

April 23, 2007

Mr. John Hill  
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**SUBJECT: Draft Final Construction Completion Report for the Ash Landfill Operable Unit;  
Seneca Army Depot Activity, Contract FA8903-04-D-8675, Delivery Order 0012,  
CDRL A001C**

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Dear Mr. Hill:

Parsons Infrastructure & Technology Group Inc. (Parsons) is pleased to submit the Draft Final Construction Completion Report for the Ash Landfill Operable Unit at Seneca Army Depot Activity (SEDA) in Romulus, New York. Responses to USEPA comments received on April 11, 2007 and responses to NYSDEC comments received on March 17, 2007 on the Draft Construction Completion Report for the Ash Landfill Operable Unit are included as Appendix E of the subject document. An entire electronic version and paper copy of replacement pages only are provided for your review.

This work was performed in accordance with the Scope of Work (SOW) for Contract No. FA8903-04-D-8675, Task Order No. 0012.

Parsons appreciates the opportunity to provide you with the Draft Final Construction Completion Report for this work. Should you have any questions, please do not hesitate to call me at (617) 449-1405 to discuss them.

Sincerely,



Todd Heino, P.E.  
Program Manager

Enclosures

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April 23, 2007

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**SUBJECT: Draft Final Construction Completion Report for the Ash Landfill Operable Unit;  
Seneca Army Depot Activity; EPA Site ID# NY0213820830; NY Site ID# 8-50-006**

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Dear Mr. Vazquez/Mr. Gupta/Mr. Sergott:

Parsons Infrastructure & Technology Group Inc. (Parsons) is pleased to submit the Draft Final Construction Completion Report for the Ash Landfill Operable Unit at Seneca Army Depot Activity (SEDA) in Romulus, New York (EPA Site ID# NY0213820830 and NY Site ID# 8-50-006). Responses to USEPA comments received on April 11, 2007 and responses to NYSDEC comments received on March 17, 2007 on the Draft Construction Completion Report for the Ash Landfill Operable Unit are included as Appendix E of the subject document. An entire electronic version and paper copy of replacement pages only are provided for your review.

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**US Army Corps of Engineers**



**Air Force Center for  
Environmental Excellence**

00641



**Seneca Army Depot Activity  
Romulus, New York**



**DRAFT FINAL  
CONSTRUCTION COMPLETION REPORT  
FOR THE ASH LANDFILL OPERABLE UNIT  
SENECA ARMY DEPOT ACTIVITY**

AFCEE CONTRACT NO. FA8903-04-D-8675  
TASK ORDER NO. 0012  
CDRL A001C  
EPA SITE ID# NY0213820830  
NY SITE ID# 8-50-006

**PARSONS**  
APRIL 2007

**DRAFT FINAL CONSTRUCTION COMPLETION REPORT**

**FOR THE ASH LANDFILL OPERABLE UNIT  
SENECA ARMY DEPOT ACTIVITY, ROMULUS, NY**

**April 2007**

**Prepared for:**

**AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE,  
BROOKS CITY-BASE, TEXAS**

**and**

**SENECA ARMY DEPOT ACTIVITY  
ROMULUS, NY**

**Contract Number FA8903-04-D-8675 Task Order 0012**

**EPA Site ID# NY0213820830**

**NY Site ID# 8-50-006**

**Prepared by:**

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## ACRONYMS AND ABBREVIATIONS

µg/Kg	Microgram per kilogram
AFCEE	Air Force Center for Environmental Excellence
ARAR	Applicable or Relevant and Appropriate Requirement
bgs	below ground surface
BRAC	Base Realignment and Closure
BTEX	Benzene, toluene, ethylbenzene, xylene
CAMP	Community Air Monitoring Plan
CCR	Construction Completion Report
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
COC	Contaminant of Concern
COR	Contracting Officer's Representative
cPAH	Carcinogenic Polycyclic Aromatic Hydrocarbon
CQP	Construction Quality Plan
cy	cubic yard
FFA	Federal Facility Agreement
FSP	Field Sampling Plan
GPS	Global positioning system
HSP	Health and Safety Plan
IAG	Interagency Agreement
lf	linear feet
LTM	long-term monitoring
mg/Kg	Milligram per kilogram
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NAD	North American Datum
NPL	National Priorities List
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
NYSEG	New York State Electric and Gas
PAH	Polycyclic Aromatic Hydrocarbon
PCB	polycyclic biphenyl
PCMMP	Post-Closure Monitoring and Maintenance Plan
PM	Project Manager
POC	Point of contact
PPE	Personal Protective Equipment
QAPP	Quality Assurance Program Plan

**ACRONYMS AND ABBREVIATIONS (continued)**

QA/QC	Quality Assurance/Quality Control
RA	Remedial Action
RC	Remedy Complete
RCRA	Resource Conservation and Recovery Act
RDR	Remedial Design Report
RDWP	Remedial Design Work Plan
RI	Remedial Investigation
RIP	Remedy-in-Place
ROD	Record of Decision
RTK	Real-time kinematic
SAP	Sampling and Analysis Plan
SEDA	Seneca Army Depot Activity
sf	square feet
SHSO	Site Health and Safety Officer
SM	Site Manager
SOP	Standard Operating Procedure
SVOC	Semivolatile Organic Compound
SWMU	Solid Waste Management Unit
TAGM	Technical and Administrative Guidance Memorandum
TCLP	Toxicity Characteristic Leaching Procedure
UGFPO	Underground Facilities Protective Organization
USEPA	U.S. Environmental Protection Agency
VOC	Volatile Organic Compound

## EXECUTIVE SUMMARY

This Construction Completion Report (CCR) for the Ash Landfill Operable Unit is intended to provide record documentation of remedial action (RA) construction activities for the Ash Landfill. These activities were conducted in accordance with the *Record of Decision for the Ash Landfill Operable Unit, Final* (Parsons, July 2004) and the *Remedial Design Report for the Ash Landfill Operable Unit, Revised Final* (Parsons, September 2006).

Seneca Army Depot Activity (SEDA or the Depot) is a 10,587-acre former military facility located in Seneca County near Romulus, NY, and has been owned by the United States Government and operated by the Department of the Army since 1941. In October 1995, SEDA was designated as a facility to be closed under the provisions of the Base Realignment and Closure (BRAC) process. The Ash Landfill Operable Unit (OU) is located in the southwestern portion of SEDA and is comprised of five solid waste management units (SWMUs): the Incinerator Cooling Water Pond (SEAD-3), the Ash Landfill (SEAD-6), the Non-Combustible Fill Landfill (NCFL) (SEAD-8), the Debris Piles (SEAD-14), and the Abandoned Solid Waste Incinerator Building (SEAD-15). The ROD for this operable unit did not prescribe any action at the Abandoned Solid Waste Incinerator Building (SEAD-15); therefore, it was not included as part of the RA.

A removal action addressing contaminated soils at the site (Non-Time Critical Removal Action conducted in 1995) and two treatability studies addressing contaminated groundwater (Zero Valent Iron Treatability Study conducted in 1998 and Biowall Pilot Study conducted in 2005) at the site have been conducted as part of the Remedial Investigation/Feasibility Study (RI/FS) process at the site. A Remedial Design Report (RDR), issued in September 2006, outlined the remedial action to be taken on the basis of the ROD issued in July 2005. The components of the RA as outlined in the RDR include the following:

- Installation of three dual biowall systems (A1/A2, B1/B2, C1/C2) constructed similarly to those installed during the Biowall Pilot Study to address chlorinated solvent contamination in groundwater. These systems involve the excavation of three pairs of trenches down to bedrock, intercepting the TCE plume. Each trench is 3 feet in width and filled with an organic substrate (mulch/sand mixture coated with soybean oil) that enhances biodegradation of chlorinated solvents;
- Regrading of the Incinerator Cooling Water Pond (ICWP - SEAD-3), formerly used to cool ash and residue from the incinerator on site. Regrading would prevent accumulation of water within this pond;
- Construction and establishment of a 12-inch vegetative cover (soil capable of sustaining vegetative growth) over the Ash Landfill (SEAD-6);
- Construction and establishment of a 12-inch vegetative cover over the NCFL (SEAD-8);

- Excavation and disposal of Debris Piles A, B, and C, areas where debris was burned on the site (SEAD-14).

In September and October of 2006, RA activities were conducted as outlined above with minor modifications as described below. Post-construction activities include (1) potential re-vegetation of the Ash Landfill and NCFL if vegetation is not established during the next growing season and (2) long-term groundwater monitoring to assess the progress of groundwater treatment at the site.

### **Biowalls**

Biowalls A1/A2, B1/B2, and C1/C2 were constructed perpendicular to the chlorinated solvent plume in the locations prescribed in the RDR. The entire length of Biowalls A1/A2 and the northern portion of B1/B2 were combined into a single double-width trench (minimum of 6 feet in width) due to unstable soil conditions encountered, which caused trench widening. All trenches were excavated to competent bedrock. Due to the increase in trench dimensions for all the biowalls, approximately 68% more mulch than planned in the design was installed within the trenches. This additional mulch provides added substrate for enhancement of biodegradation of chlorinated ethenes in the aquifer.

Approximately 2,840 linear feet (lf) of biowalls were constructed in the areas downgradient of the Ash Landfill at depths ranging from 7 feet below ground surface (bgs) to 18.5 feet bgs.

### **Incinerator Cooling Water Pond**

The Incinerator Water Cooling Pond was regraded to match existing grades.

### **Ash Landfill and NCFL Vegetative Cover**

A soil cover comprised of mulch, biowall trench spoils and off-site topsoil, was placed over the 2.2 acres of the Ash Landfill. The Ash Landfill required 3,549 cy of fill to achieve a 12-inch cover and 4,380 cy was placed (831 cy excess soil used). Biowall trench spoils and off-site topsoil were placed over the 3.4 acre NCFL. The NCFL required 5,485 cy of fill to achieve a 12-inch cover and 6,015 cy was placed (530 cy excess soil used).

### **Debris Piles**

A total of 1,548 tons (~1,200 cubic yards) of debris was excavated from the three Debris Pile areas and disposed of off-site at Seneca Meadows.

## 1.0 INTRODUCTION

This Construction Completion Report (CCR) for the Ash Landfill Operable Unit, (SEAD-3, SEAD-6, SEAD-8, & SEAD-14), located at the Seneca Army Depot Activity (SEDA or the Depot) in Seneca County near Romulus, New York, details the work completed and provides record documentation of remedial action (RA) construction activities completed as proposed in the Remedial Design Report (RDR).

This CCR describes RA activities including sample collection and laboratory test results, record survey data, record (as-built) drawings, and photo documentation to demonstrate compliance with the requirements set forth by the following documents that received regulatory (Agency) concurrence:

- *Proposed Plan for the Ash Landfill, Final.* (Parsons, December 2002).
- *Record of Decision (ROD) for the Ash Landfill Operable Unit, Final.* (Parsons, July 2004).
- *Sampling and Analysis Plan for Seneca Army Depot Activity (SAP), Revised Final.* (Parsons, April 2006).
- *Remedial Design Report (RDR) for the Ash Landfill Operable Unit, Revised Final.* (Parsons, September 2006).

The ROD did not prescribe any action at the Abandoned Solid Waste Incinerator Building (SEAD-15) and therefore, was not included as part of this RA.

The activities described by this CCR comply with the applicable or relevant and appropriate requirements (ARARs), as referenced in the ROD and RDR. This document has been prepared for the Air Force Center for Environmental Excellence (AFCEE) under Contract No. FA8903-04-D-8675, Task Order No. 0012.

### 1.1 Purpose of the Construction Completion Report

The purpose of this CCR is to document that all construction activities associated with RA implementation were completed in accordance with the RDR unless otherwise noted.

The RA involved installation of (i) in-situ biowalls, (ii) construction and establishment of vegetative soil covers over the Ash Landfill and Non-Combustible Fill Landfill, (iii) grading of the Incinerator Cooling Water Pond and (iv) removal and disposal of Debris Piles.

Construction activities documented within this report were performed in accordance with the RDR, which included a Field Sampling Plan (FSP) and a Construction Quality Plan (CQP), and all associated compliance and reference documents. This CCR will document that all required construction activities were completed.



## 1.2 Site Location and History

### 1.2.1 Site Location

SEDA is a 10,587-acre former military facility located in Seneca County near Romulus, New York, which has been owned by the United States Government and operated by the Department of the Army since 1941. A location map for SEDA is shown in **Figure 1**. SEDA is located between Seneca Lake and Cayuga Lake in Seneca County and is bordered by New York State Highway 96 on the east, New York State Highway 96A on the west, and sparsely populated farmland on the north and south.

The Ash Landfill OU is comprised of five solid waste management units (SWMUs). As shown in **Figure 1**, the five SWMUs that comprise the Ash Landfill OU are the Incinerator Cooling Water Pond (SEAD-3), the Ash Landfill (SEAD-6), the Non-Combustible Fill Landfill (NCFL) (SEAD-8), the Debris Piles (SEAD-14), and the Abandoned Solid Waste Incinerator Building (SEAD-15). Incinerator dust wipe samples were collected from the Abandoned Solid Waste Incinerator Building (SEAD-15) during the Phase I RI. The results of the RI indicated the building was not of environmental concern and further CERCLA action is not required; therefore, the ROD for this operable unit did not prescribe any action at the Abandoned Solid Waste Incinerator Building and it was not included as part of the CERCLA RA.

### 1.2.2 Site History

Since its inception in 1941, SEDA's primary mission was the receipt, storage, maintenance, and supply of military items. SEDA was proposed for the National Priorities List (NPL) in July 1989. In August 1990, SEDA was finalized and listed under Group 14 on the Federal Section of the NPL. To facilitate resolution of contamination issues at SEDA, the United States Environmental Protection Agency (USEPA), New York State Department of Environmental Conservation (NYSDEC), and the Army entered into a Federal Facilities Agreement (FFA), also known as the Interagency Agreement (IAG). This agreement stated that future investigations would be based on Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) guidelines, and that the Resource Conservation and Recovery Act (RCRA) was considered an Applicable or Relevant and Appropriate Requirement (ARAR) pursuant to Section 121 of CERCLA. In October 1995, SEDA was designated as a facility to be closed under the provisions of the Base Realignment and Closure (BRAC) process.

Prior to the development of the Ash Landfill OU, the land in this area was used for farming. From 1941 (the date SEDA was constructed) to 1974, uncontaminated trash was burned in a series of burn pits near the abandoned incinerator building (Building 2207). According to a U.S. Army Environmental Hygiene Agency (USAEHA) Interim Final Report, Groundwater Contamination Survey No. 38-26-0868-88 (July 1987), the ash from the refuse burning pits was buried in the Ash Landfill (SEAD-6) from 1941 until the late 1950's or early 1960's.

The incinerator was built in 1974. Between 1974 and 1979, materials intended for disposal were transported to the incinerator. Nearly all of the approximately 18 tons of refuse generated per week on the Depot were incinerated. The source for the refuse was domestic waste from depot activities and family housing. Large items that could not be burned were disposed of at the NCFL (SEAD-8). The NCFL has an area of 3.4 acres and is located southeast of the incinerator building (immediately south of the SEDA railroad line). The NCFL was used as a disposal site for non-combustible materials, including construction debris, from 1969 until 1977.

Ash and other residue from the incinerator were temporarily disposed in an unlined cooling pond (SEAD-3) immediately north of the incinerator building. The cooling pond consisted of an unlined bermed area, approximately 50 feet in diameter, with berms approximately 4-feet high. When the pond filled, the fly ash and residues were removed, transported, and buried in the adjacent Ash Landfill east of the cooling pond. The refuse was dumped in piles and occasionally spread and compacted. No daily or final cover was applied during operation. The active area of the Ash Landfill extended at least 500 feet north of the incinerator building, near a bend in a dirt road, based on an undated aerial photograph of the incinerator during operation. A fire destroyed the incinerator on May 8, 1979, and the landfill was subsequently closed. The landfill was apparently covered with native soils of various thicknesses but was not closed with an engineered cover or cap. The Debris Piles, also referred to as Refuse Burning Pits (SEAD-14), are small, localized, surface features that are visibly discernable and do not extend into the subsurface, located to the north and east of the Ash Landfill. A grease pit disposal area near the eastern boundary of the site was used for disposal of cooking grease; analytical data collected during the RI indicated that the grease pits did not require further action.

### **1.3 Contaminants of Concern and Previous Actions Taken**

The nature and extent of the constituents of concern at the Ash Landfill OU were evaluated through a comprehensive remedial investigation (RI) program. It was determined that surface water and sediment were not media of concern and did not require remediation. During the RI, a groundwater contaminant plume, emanating from the northern end of the Ash Landfill, was delineated. The primary constituents of concern at the Ash Landfill are volatile organic compounds (VOCs) in the groundwater and VOCs, primarily chlorinated and aromatic compounds, semivolatile organic compounds (SVOCs), polycyclic aromatic hydrocarbons (PAHs), and, to a lesser degree, metals in the soil. Release of the constituents of concern is believed to have occurred during the former activities at the Ash Landfill OU, as described above.

#### Soil

VOCs, specifically trichloroethene (TCE), were detected in the soil in the “Bend in the Road” area, located northwest of the Ash Landfill. Between 1994 and 1995, the Army conducted a Non-Time Critical Removal Action (NTCRA), also known as an Interim Removal Measure (IRM), to address VOC and PAH soil contamination in areas near the “Bend in the Road”. This area is believed to be

the source of the groundwater plume. The NTCRA was successful in reducing risk due to future exposure to these soils and prevented continued leaching of VOCs to groundwater associated with this operable unit. In the years that have passed since the NTCRA, the positive benefits of the NTCRA have been observed in that the concentration of VOCs in groundwater near the original source area has decreased by two orders of magnitude. Further remediation for VOCs in the soil at the "Bend in the Road" was not required.

The other compounds of significance detected in the soils were PAHs and metals. PAHs were detected at concentrations above NYSDEC's Technical and Administrative Guidance Memorandum (TAGM) values in the NCFL and in the Debris Piles present around the former Ash Landfill. In general, the highest PAH concentrations were detected in the NCFL and small Debris Pile surface soils. The metals detected at elevated concentrations (significantly above TAGMs) in soils were copper, lead, mercury, and zinc. These elevated concentrations were found in the Ash Landfill, the NCFL, and the Debris Piles, and the highest concentrations of metals were detected at the surface of the Debris Piles. These piles are small, localized, surface features that are visibly discernable and do not extend into the subsurface.

### Groundwater

The primary potential impact to human health and the environment is the groundwater plume, approximately 1,100 feet long by 625 feet wide, containing dissolved concentrations of TCE, 1,2-dichloroethene (DCE), and vinyl chloride (VC) that originated in the "Bend in the Road" area near the northwestern edge of the Ash Landfill. The nearest exposure points for groundwater are the three farmhouse wells, located approximately 1,250 feet from the leading edge of the plume. At least one of the farmhouse wells draws water from the till/weathered shale aquifer and the remaining two wells draw water from the bedrock aquifer. Vertically, the plume is restricted to the upper till/weathered shale aquifer and is not present in the deeper competent shale aquifer. As noted above, the source of the plume was removed by the NTCRA.

In December 1998, a 650-foot long permeable reactive zero valent iron (ZVI) wall was installed approximately 100 feet east of the railroad tracks near the property line. The wall was installed as a demonstration project to show that the reactive iron wall could be effective in reducing the concentrations of chlorinated ethenes through reductive dechlorination. The ZVI wall was successful in controlling the level of chlorinated ethenes migrating from the site and is currently providing some migration control at the site.

According to the ROD for the Ash Landfill OU, migration of the groundwater contaminant plume would be controlled by the installation of three *in situ* permeable reactive barriers (PRBs) (Parsons, 2004). The ROD was written to allow flexibility in selecting the most effective medium for the PRB. In the interest of identifying a medium that optimizes cost effectiveness while maintaining performance at a level equal to or better than ZVI, a different treatment medium, mulch, was

evaluated for the full-scale implementation of migration control. The use of mulch was evaluated because the:

- Cost of iron had tripled and the use of reactive iron was no longer cost-effective; and
- Use of mulch in reactive walls was found to be as effective as iron at other sites and had gained regulatory acceptance for treatment of chlorinated ethene plumes.

Mulch is an organic substance used to stimulate anaerobic biodegradation of chlorinated ethenes. This substrate is mixed with coarse sand and emplaced in a trench or excavation in a permeable reactive biowall configuration. Biodegradable vegetable oils are added to the mulch mixture to increase the availability of soluble organic matter. This treatment method relies on the flow of groundwater under a natural hydraulic gradient through the biowall to promote contact with slowly-soluble organic matter. As the groundwater flows through the organic matter within the biowall, a treatment zone is established not only within the biowall, but downgradient of it, as the organic matter migrates with the groundwater and anaerobic microbial processes are established.

Degradation of the organic substrate by microbial processes in the subsurface provides a number of breakdown products, including metabolic acids (e.g., butyric and acetic acids). The breakdown products and acids produced by degradation of mulch in a saturated subsurface environment provide secondary fermentable substrates for generation of hydrogen, the primary electron donor utilized in anaerobic reductive dechlorination of chlorinated ethenes. Thus, a mulch biowall has the potential to stimulate reductive dechlorination of chlorinated ethenes for many years. If needed, mulch biowalls can be periodically recharged with liquid substrates (e.g., vegetable oils) to extend the life of the biowall.

In July 2005, two pilot-scale mulch biowalls were installed near the source area to demonstrate that biowalls were at least equally as effective as the ZVI wall at degrading chlorinated ethenes and their daughter products (Parsons, 2000). The pilot study showed that mulch biowalls were cost effective in degrading chlorinated ethenes and their daughter products and mulch was selected as the medium for full scale implementation during the RA.

## 1.4 Report Organization

**Section 1** of this report serves as an introduction to the CCR and provides site history. **Section 2** summarizes the construction activities, including the earthwork and sample collection and analysis. **Section 3** presents a summary of deviations from the design presented in the RDR. **Section 4** summarizes post-construction activities. References are provided in **Section 5**.

**Appendix A** provides disposal documentation for the Debris Piles. **Appendix B** presents analytical results for the trench spoils, Debris Piles, and the fill material. **Appendix C** contains the daily construction reports, QA/QC documentation, and photographic documentation. **Appendix D** provides the record drawings (as-builts).

## 2.0 CONSTRUCTION ACTIVITIES

This section documents construction-phase activities associated with the RA implementation. Construction activities described here began with mobilization of Parsons' field crew and an earthwork subcontractor, Sessler Excavating and Wrecking (Sessler) of Waterloo, New York, on September 5, 2006. All construction activities, with the exception of the new monitoring well installations, were completed by October 27, 2006, at which time Sessler demobilized from the site. On November 7, 2006, SJB Services Inc. mobilized to the site and completed the new well installation on November 14, 2006. All site preparation, construction, and site restoration activities that took place at SEDA were documented in daily reports (**Appendix C**).

The components of the RA as outlined in the RDR include the following:

- Installation of three dual biowall systems (A1/A2, B1/B2, C1/C2) entailing the excavation of six trenches perpendicular to the TCE plume and backfilling of these trenches with a mulch/sand mixture;
- Regrading of the Incinerator Cooling Water Pond (ICWP), SEAD-3;
- Construction and establishment of a 12-inch vegetative cover over the Ash Landfill, SEAD-6;
- Construction and establishment of a 12-inch vegetative cover over the NCFL, SEAD-8;
- Excavation and disposal of Debris Piles A, B, and C, SEAD-14.

This section describes the construction activities associated with each of these components as well as site preparation and site restoration activities.

### 2.1 Site Preparation Activities

Site preparation activities included a pre-construction meeting; a health and safety kick-off meeting; establishment of site access and security; surveying and staking the biowall locations, staking the vegetative cover areas and excavation areas; well protection; utility clearance; and equipment examinations.

Underground Facilities Protective Organization, UGFPO, was contacted for utility clearance prior to beginning work. The only utility in the area was a suspected 6-inch water line shown in **Figure 1**. The suspected water line was later determined to be an abandoned water line running in the area of the biowalls. The Town of Romulus Water Department confirmed that this line was abandoned. The Water Department directed Parsons to dig through the line. They indicated that there was no need to protect the line during excavation. A portion of the water line was cut by the Water Department in the vicinity of the A1/A2 and B1/B2 trenches. These cuts were surveyed and are marked **Drawing D-2** in **Appendix D**.

## 2.2 Biowall Construction

### 2.2.1 Biowall Locations

The RDR specified the installation of three dual biowall systems (i.e. a total of six biowalls), installed in pairs to reduce the mass flux of contaminant across each successive biowall system and provide a redundancy for capturing any contaminant mass (i.e., DCE and VC) that may pass through the initial treatment zone. The biowall pairs are shown in **Drawing D-2** in **Appendix D**. A discussion of each of the three biowall pairs is presented in the following paragraphs.

**Biowalls A1/A2:** Biowalls A1 and A2 were designated source walls installed to (1) reduce the high level of TCE present in the groundwater at this location and (2) decrease the level of electron receptors native to the aquifer (e.g., sulfates), thereby “jump starting” conditions conducive to anaerobic degradation of chlorinated compounds before reaching the middle walls. During construction, Biowalls A1 and A2 were installed in the location specified in the design. As explained below in **Section 2.2.2**, the two biowalls comprising the dual biowall system were combined into one double wide biowall due to difficulties encountered during excavation.

**Biowalls B1/B2:** Biowalls B1 and B2, the middle walls, are extensions of the pilot study walls and extend across the chlorinated solvent plume from 50 feet beyond the northern 10 ppm chlorinated ethene contour line to the southern 10 ppm chlorinated ethene contour line as shown in **Drawing D-2** in **Appendix D**. These middle walls provide an added carbon source to sustain the reduction zone and maintain anaerobic conditions that were “jump started” in Biowalls A1/A2, which allows for intermediate by-products such as DCE to be reduced more readily.

During construction, Biowalls B1 and B2 were installed as designed with one exception. As explained below in **Section 2.2.2**, the two biowalls comprising the dual biowall system were combined into one double wide biowall on the northern end for 135 feet due to difficulties encountered during excavation.

**Biowalls C1/C2:** Biowalls C1 and C2 provide a final source of substrate to sustain anaerobic conditions such that TCE and DCE levels are further reduced. This last biowall pair is approximately 400 feet upgradient of the site boundary. Any VC that remains in the aquifer beyond the treatment zone established by Biowalls C1 and C2 will encounter an aerobic zone and have adequate residence time within the aquifer to aerobically degrade prior to approaching the fence line of the site. VC degrades rapidly under aerobic conditions.

During construction, Biowalls C1 and C2 were installed as two separate walls in the location specified in the design.

The as-built construction drawings are shown on **Drawings D-1** thru **D-4** in **Appendix D**.

### 2.2.2 Excavation

The biowalls were installed as described in the RDR by excavating a linear trench down to competent bedrock and backfilling this trench with a mixture of mulch and sand to ground surface.

Prior to construction, the end points and mid-points of each biowall pair were staked out in accordance with the survey points provided in the RDR. The biowalls were excavated with standard excavating equipment using an excavator with a 3-foot wide bucket. The excavator bucket was equipped with rock teeth to remove the weathered shale. The trenches were excavated to the depth necessary to reach the competent shale in the area. Competent shale was reached when the excavator was observed to scrape the bottom layer of the excavation and was unable to penetrate further. Scraping was typically accompanied by a dust cloud formed from the friction of the bucket teeth against the bedrock. Photos of the smoke produced during the bedrock scraping are included in the daily reports (**Appendix C**). Parsons' Construction Manager (CM) observed that the weathered shale had been removed and bedrock had been scraped prior to the placement of any mulch backfill. Depth measurements were collected every 50 feet. The trench measurements are shown on **Table D-1** in **Appendix D**. Biowall plan profiles and depth profiles are included in **Drawings D-3** and **D-4** of **Appendix D**.

The minimum design trench width for the single trenches was 3-feet. The bucket on the excavator was 3-feet wide and approximately 6-inches were needed on either side of the bucket during its extraction from the trench; therefore, the minimum width of the trench bottom was 4 feet. The trench width for the double width trenches (i.e. Biowalls A1/A2 and the northernmost 135 feet of B1) was a minimum of 6 feet as measured by Parsons' CM.

Virtually no excavation water was produced in the trenches due to the tight formation, and no dewatering was necessary.

**Table 1** shows the actual dimensions and excavation volumes for each Biowall as well as the final disposition location of the excavation spoils. The RD dimensions anticipated for each biowall pair and the actual constructed dimensions are discussed below and shown in **Table 2**. In total, 6,259 cubic yards (cy) of biowall trench was excavated. This differs from the total design excavation of 4,009 cy. The excavation quantity and wall dimension differences are discussed below.

**Biowalls A1/A2:** Biowalls A1 and A2 were combined and comprise a single wall, 375 lf long. The soil conditions in the area of the A1/A2 trench were wet, unstable, and highly organic. Because of these conditions, the trench walls were weaker and collapsed during excavation creating a wide trench up to 17.5 feet wide at the top in places. Although the use of trench boxes was specified in the RDR to maintain the 3-foot design width, it was decided that the creation of a single double wide trench would be just as effective from a treatment standpoint and would avoid field delays that may have been experienced in using trench boxes. The anticipated depth in the RDR was 11 feet. During construction, competent shale was encountered between 10 and 18 feet deep. This additional depth

increased the overall volume of the excavation for Biowalls A1/A2 to 1,462 cy for the combined trench. This volume was approximately 60% more than the RDR estimated volume for the A1/A2 dual biowall system, 904 cy, as shown in **Table 2**. The additional volume excavated was primarily due to the greater width and depths encountered during excavation.

**Biowalls B1/B2:** Similar to the conditions described for Biowalls A1/A2, wet, unstable conditions were encountered during the excavation in the northern end of Biowall B1. Because of this condition, the trench walls were weaker and collapsed during excavation creating a double-wide trench up to 10-foot wide in places at the top. Since the trench was wide, it was decided to create a single double-wide trench that would serve as the northernmost portion of the B1 and B2 trenches. By creating this single double-wide trench that had a minimum width of 6 feet, at least the same amount of mulch backfill was placed in the ground that would have been placed in the side-by-side trenches having a minimum width of 3 feet each. The length of the single double-wide portion of the trench, referred to as Biowall B1/B2, was 135 feet. Biowall B1 continued from the end of Biowall B1/B2 another 535 feet. Biowall B2 began 135 feet south of its original northern endpoint and continued another 540 feet. Biowall B1 intercepted the eastern pilot study wall and approximately 40 feet of this wall was incorporated into Biowall B1. Likewise, Biowall B2 intercepted the western pilot study wall and approximately 50 feet of this wall was incorporated into Biowall B2. **Table 2** shows that the actual length of the Biowall B1 and B2 sections met the design lengths. **Drawing D-2, D-3, and D-4** in **Appendix D** show the location, width, and depth profiles of all the biowalls.

As shown in **Table 2**, the depth of Biowalls B1/B2 varied from 8 to 18.5 feet (versus the design depth of 11 feet) and the width averaged between 4.5 and 12 feet (versus the design width of 3 feet). The total excavation volume for the Biowalls B1/B2 was 2,861 cy. This was over 50% more than the design excavation volume of 1,699 cy. The additional volume excavated was primarily due to the greater width and depths encountered during excavation.

**Biowalls C1/C2:** Biowalls C1 and C2 are each 560 lf long. The trench depth ranged from 7 to 11.5 feet versus the design depth of 11 feet and the width of each biowall averaged from 3.0 to 9.0 feet versus the design width of 3 feet. Soils were more stable in the location of the C1 and C2 trenches and two distinct trenches were constructed as designed. The total excavation volume of the C1 and C2 trenches is 1,936 cy, approximately 40% more than the design excavation volume of 1,406 cy. The additional volume excavated was primarily due to the greater width encountered during excavation.

Depth, length, and width measurements were measured in the field and the data collected is presented in **Table D-1** (Appendix D). The as-built information is summarized on **Drawings D-1 through D-4** in **Appendix D**.

**Trench Spoils:** Soil (trench spoils) excavated during the biowall installation was placed on the side of the excavation in a windrow parallel to the biowall. The trench spoils were sampled as described in the **Section 2.8.2** below. As specified in the RDR, the criterion for use of trench spoils on site was



a TCE value less than the NYS TAGM for TCE, 700 mg/kg. Soil analytical results were below this value, indicating that all trench spoils were suitable for use as on-site cover material. **Table 1** shows the final disposition of the trench spoils from each biowall excavation. Analytical results are provided in **Appendix B**.

### 2.2.3 Mulch Backfill

The mulch backfill consisted of a mixture of shredded plant material generated during seasonal landscaping/farming operations (i.e., tree/brush removal, silage). Mulch was provided by two suppliers. The majority of the mulch (approximately 5,000 cy) was provided by Ricelli Enterprises of Syracuse, NY. An additional 120 cy of mulch was provided by Clifton Recycling Inc. of Syracuse, NY. The mulch was delivered in 100- cy or 60- cy trailers and stockpiled to allow the mulch to partially compost. An estimated 420 cy of mulch was lost during the mixing process, leaving 4,700 cy of mulch placed within the trenches.

Sand used in the mulch backfill was supplied by a commercial sand and gravel dealer, Dendis Sand and Gravel, located on State Route 96 in Junius, NY in Seneca County. The sand was a poorly-graded coarse sand that was delivered in 15- or 22-cy loads. A total of 3,401 cy of sand was delivered. An estimated 230 cy of sand was lost during the mixing process, leaving 3,171 cy of sand placed within the trenches.

Soybean oil was food-grade oil supplied by Sheppard Grain of Phelps, NY and was delivered to the site in 3500-gallon tanker trucks. A total of 15,596 gallons of oil was used in the mulch mixture.

Prior to mixing with sand, the mulch was coated with a food-grade vegetable oil (soybean oil). The soybean oil was poured over the mulch in batches. In order to manufacture, for example, 1,500 cy of mulch mixture, the following process was performed. Approximately 3,500 gallons of oil was poured from the tanker truck and mixed with about 1,100 cy (typically 11 loads) of mulch using a backhoe. This quantity of mulch was then mixed with approximately 750 cy of sand. As specified in the RDR, a volume of mulch approximately 40% more than the volume of sand (referred to as a mixing factor of 1.4) was necessary to achieve a 50% by volume mixture of mulch and sand. This additional mulch volume was needed since the mulch will compact and the sand will fill in the void spaces within the mulch matrix. A backhoe was then used to mix the oil into the mulch. Mixing the mulch, sand, and oil in these proportions resulted in a 50% by volume mixture of mulch and sand with oil occupying 3% of the mixture's pore volume as specified in the RDR.

Parsons' CM visually inspected the backfill mixing process to determine when the mixture was adequately homogenized. Following a visual determination of homogenization, grab samples were collected from each of the mulch mixture stockpiles designated for the three biowall pairs and analyzed in the field for the volume and weight ratio of sand to organic material. For the purposes of testing, a portion of the mixture was coated with oil after the mulch and sand were mixed such that the application of the soybean oil would not affect the testing procedure. The target volumetric mulch

mixture ratio of 50 percent organic material and 50 percent sand, with an allowable variation of  $\pm 10$  percent was achieved as shown on **Table C-2** of **Appendix C**. The mulch mixture QC was performed by collecting and compositing grab samples until approximately five quarts of sample mixture had been collected. The sample was then passed through a number 6 mesh sieve (0.132 inch opening). Material passing the number 6 mesh sieve was mostly sand, with some fine-grained organics from the mulch material. Material retained on the number 6 mesh sieve was primarily organic material. The volume and weight measurements for percent passing and percent retained on the number 6 mesh sieve was recorded in the field.

The table below summarizes the total quantities used and compares them to the design specifications.

<b>Material</b>	<b>Quantity Installed</b>	<b>% of Total Mulch Mixture</b>	<b>Design Specification</b>
Mulch	4,700 <sup>1</sup> cy delivered mulch adj. for 1.5 mixing factor = 3,088 cy after mixing	49%	50% (2,800 cy delivered adj. for a 1.4 mixing factor = 2,000 cy)
Sand	3,171 <sup>2</sup> cy	51%	50% (2,000 cy)
Soybean Oil	15,596 <sup>3</sup> gal.	3% pore vol.	3% pore vol. (9,700 gal.)
Total Mulch/Sand/Oil Mixture	6,259 cy		4,000 cy

<sup>1</sup>Total volume of mulch delivered minus percentage lost on ground surface during mixing/transfer. Exact mixing factor is 1.522.

<sup>2</sup>Total volume of sand delivered minus percentage lost on ground surface during mixing/transfer.

<sup>3</sup>Total estimated volume of soybean oil delivered.

The design specified the installation of 4,000 cy of mulch mixture containing 2,800 cy of mulch in the three dual biowalls. As the table above indicates, 6,259 cy of mulch mixture containing 4,700 cy of mulch was installed. Since field testing and field quantities used showed that the mulch comprised approximately 50% by volume of the mixture, this resulted in a mixing factor of 1.5, meaning 50% more mulch was added rather than the 40% more specified in the design. Although the additional mulch mixture was added as a result of larger trench volumes due to the instability of the soils during trench excavation, the additional volume of mulch mixture ensures that sufficient organic substrate, beyond what was specified in the RDR, is available to the microorganisms responsible for anaerobic degradation of the chlorinated ethenes within the contaminant plume.

### 2.2.4 Soil Cover/Capping

A 12-inch soil cover was placed over the entire length of the biowalls as specified in the RDR. The purpose of this cover is to impede surface water from preferentially flowing into the biowall. Trench spoils were used as the cover material and were compacted with the backhoe. It is anticipated that the mulch backfill within the trenches will settle over time and the cover will eventually settle to ground surface.

### 2.3 Incinerator Cooling Water Pond

The Incinerator Cooling Water Pond (ICWP) was regraded to meet the surrounding grade to prevent the accumulation of water in this inactive pond, as specified in the RDR. Prior to regrading, the vegetation that had grown on the berms surrounding the ICWP was removed with an excavator. The soil berm was then regraded with a dozer to match the surrounding grade. Because the bottom of the ICWP was essentially at grade, no additional soil was needed to backfill the pond. Soil compaction of the base of the ICWP and the surrounding soils was achieved by three passes of a dozer. No compaction testing was required. The ICWP was seeded with a standard meadow mix to promote vegetation and prevent erosion.

### 2.4 Ash Landfill – Vegetative Cover Construction

A minimum of 12-inches of mulch, trench spoils, and top soil from an off-site borrow source was placed over the Ash Landfill to the limits shown on **Drawing D-1 (Appendix D)**. Off-site soil used to cover the landfills was obtained from an off-site borrow source, a commercial sand and gravel dealer, Dendis Sand and Gravel, located on State Route 96 in Junius, NY in Seneca County. The Dendis Site is a gravel pit located in a heavily wooded area. A sample was collected, as described in **Section 2.8.1** in accordance with the RDR. The analytical results were compared to NYSDEC TAGM 4046 and it was verified that the analytical results met the TAGM concentration requirements specified in the RDR. **Table B-4** in **Appendix B** summarizes the borrow source analytical testing.

Prior to placement of the vegetative cover, 480 cy of mulch was spread over the entire Ash Landfill. This organic substrate was placed over the landfill, where groundwater concentrations of TCE have been high historically, to enhance the overall biodegradation process. As precipitation infiltrates through this matrix down to the groundwater, the organic substrate will aid in the biodegradation of contaminants below the ground surface. The 12-inch vegetative cover was constructed in two lifts. First, a total of 2,550 cy of trench spoils was used to complete the initial 8-inch layer of cover. This volume was calculated by taking the trench spoils used for the Ash Landfill cover (2,318 cy – see **Table 1**) and increasing the volume by a conservative expansion factor of 10%. The final 4-inches of cover consisted of 300 cy of topsoil saved from the trench excavations (estimated based on stockpile dimensions) and 1,050 cy of topsoil obtained from the off-site source (measured based on delivery tickets). The cover material was placed with a dozer, and soil compaction was achieved by three passes of a dozer as specified in the RDR.

Placement of 12-inches of approved fill material over the Ash Landfill was observed by the Parsons' CM. The soil cover thickness was verified following placement by visual observation utilizing grade stakes. Grade stakes were placed on a 100-foot by 100-foot grid system. Markers were connected to the stakes at a height of 13 inches to ensure that the minimum depth requirements would be met. Fill was placed until the markers were reached. Additionally, holes were dug every 100-foot by 100-foot grid and the depth of the cover was verified. All depth measurements were greater than 12 inches. Depth verification measurements are provided in **Table C-1** of **Appendix C**.

A mass balance was performed to verify that the correct volumes of material were used to construct the covers. As shown on **Table 3**, the ALF required 3,549 cy of fill to achieve 12 inches and 4,380 cy of trench spoils, mulch and topsoil was placed (831 cy excess used). Photos of the grade stake procedure are included in the photo log (**Appendix C**). Depth measurements are documented in **Table C-1** of **Appendix C**.

The soil cover was seeded with a standard meadow mix to promote vegetation and prevent erosion as specified in the RDR. Vegetation serves to reduce erosion through wind or overland water flow, enhance evapotranspiration, and improve run-off water quality.

## **2.5 Non-Combustible Fill Landfill – Vegetative Cover Construction**

### **2.5.1 Clearing**

The NCFL work area was cleared to allow for cover construction. Grass and small brush was mowed and the cuttings left in-place. Large trees from the NCLF were removed and mulched. The tree mulch was spread around the perimeter of the NCFL at the toe of the slope.

### **2.5.2 Erosion Control**

Temporary erosion controls in the form of silt fencing was erected on the north boundary of the NCLF. The silt fencing prevented the migration of topsoil silt from the NCLF into the ditch along Smith Farm Road. Silt fence was also constructed across the ditch along Smith Farm Road, west of the work area. The silt fencing around the NCFL remains in place and will not be removed until inspection demonstrates that proper vegetation has been established.

### **2.5.3 Cover**

A minimum of 12 inches of soil cover material was placed over the NCFL to the limits shown on **Drawing D-1** (**Appendix D**). The 12-inch vegetative cover was constructed in two lifts. First, a total of 4,005 cy of trench spoils was used to complete the initial 8-inch layer of cover. This volume was calculated by adding the excavation volumes of trenches C1, C2, combined B1/B2 and the southern portions of B1 and B2 (3,641 cy – see **Table 1**) and increasing the volume by a conservative expansion factor of 10%. The final 4-inches of cover consisted of 2,010 cy of topsoil obtained from the off-site source (measured based on delivery tickets). The off-site topsoil source is described in

**Section 2.4** above and **Section 2.8.1** below. The cover material was placed with a dozer and soil compaction was achieved by three passes of a dozer as specified in the RDR.

Placement of 12-inches of approved fill material over the NCFL was observed by Parsons' CM. The soil cover thickness was verified following placement by visual observation utilizing grade stakes. Grade stakes were placed on a 100 by 100-foot grid system. Markers were connected to the stakes at a height of 13 inches to ensure that the minimum depth requirements would be met. Fill was placed until the markers were reached. Additionally, holes were dug every 100-foot by 100-foot grid and the depth of the cover was verified. All depth measurements were greater than 12 inches. Depth verification measurements are provided in **Table C-1** of **Appendix C**.

A mass balance was performed to verify that the correct volumes of material were used to construct the covers. As shown on **Table 3**, the NCFL required 5,485 cy of fill to achieve 12 inches and 6,015 cy of trench spoils and topsoil was placed (530 cy excess used).

The soil cover was seeded with a meadow mix to promote vegetation and prevent erosion. Vegetation serves to reduce erosion through wind or overland water flow, enhance evapotranspiration, and improve run-off water quality.

## **2.6 Debris Pile Removal**

### **2.6.1 Excavation**

Prior to excavation of the Debris Piles A, B, and C, the vegetation around the work areas was removed with a tractor-towed brush hog. The limits of Debris Piles, estimated in the RDR, were surveyed and staked in the field prior to excavation. Visual debris from the Debris Piles was removed with an excavator equipped with a bucket up to the staked limits. The original volume of excavation estimate was 700 cy for all three piles. During the RA, very little debris was encountered in Debris Piles B and C (approximately 100 cy in each). However, in Debris Pile A, approximately 1,000 cy of debris was removed from within and beyond the staked limits of this pile. As directed in the RDR, excavation of the piles ceased on a visual basis, as determined by the Engineer. The total volume of debris removed was approximately 1,200 cy (1,548 tons). The final limits of the excavations are shown on **Drawing D-2 (Appendix D)**.

### **2.6.2 Debris Pile Characterization and Disposal**

One composite sample was collected for disposal characterization of the Debris Piles as described in **Section 2.8.3** in accordance with the RDR. The composite sample was taken by combining one discreet grab sample from each of the three Debris Piles, as required by the disposal facility and outlined in the RDR. All detected analytes were below the disposal facility acceptance limits. The complete analytical data are included in **Table B-5** of **Appendix B**. The analytical results confirmed that the Debris Piles were suitable for off-site disposal to a Subtitle D non-hazardous facility. A

waste profile was generated and the material was accepted by Seneca Meadows landfill in Waterloo, NY.

The Debris Piles were excavated and stockpiled prior to off-site disposal. The stockpiles were placed on polyethylene sheeting and covered while waiting for landfill waste profile approval. The material was subsequently loaded into dump trucks supplied by WeCare Transportation of Weedsport, NY under subcontract to Sessler.

Approximately 1,548 tons (1,200 cy) of material was hauled off-site to Seneca Meadows Landfill. Information in the manifests and weigh tickets are summarized in **Table A-1**. Copies of all manifests and weigh tickets are included in **Appendix A**.

### **2.6.3 Debris Pile Site Restoration**

Due to the shallow nature of the Debris Piles, backfill was not required. The edges of the excavation areas were smoothed to remove potential trip hazards. The Debris Pile excavation areas were regraded with a dozer. These areas will naturally vegetate since they are in the middle of a densely vegetated area. The silt fencing surrounding the Debris Piles was removed since the immediate area is densely vegetated and flat and there was no risk of erosion.

## **2.7 Monitoring Well Installation**

After construction activities, seven wells were installed in and around the biowalls for the purposes of monitoring the performance and effectiveness of the biowalls. Well installation was completed on November 10, 2006. The RDR had specified the installation of three monitoring wells, MWT-23, MWT-24, and MWT-25. However, during the construction activities, certain pilot study wells near Biowalls B1/B2 that were part of the long-term monitoring (LTM) plan were unavoidably damaged and abandoned. **Section 3.6** describes which wells were abandoned and replaced and describes the changes in the LTM plan made as a result of the change in monitoring well locations. Monitoring wells MWT-26, MWT-27, MWT-28 and MWT-29 were installed across Biowalls B1 and B2 as shown on **Figure 2** and **Drawing D-2** of **Appendix D**. MWT-23, MWT-27, and MWT-28 were installed within Biowalls C2, B1 and B2, respectively. These wells were installed down to the competent bedrock and screened within the mulch/sand fill. All other wells were installed to competent bedrock and screened within the weathered shale formation.

## **2.8 Field Sampling**

### **2.8.1 Borrow Source**

An off-site borrow pit was used to provide topsoil on the Ash Landfill and NCFL. The off-site borrow pit was the Dendis Sand and Gravel pit, located on State Route 96 in Junius, NY in Seneca County. The Dendis Site is a gravel pit located in a heavily wooded area. As specified in the RDR, one grab sample of material from the pit representative of the topsoil was collected for

characterization to ensure that the soil is clean. The sample was sent to a laboratory to be analyzed for VOCs, SVOCs, and metals as required in the RDR. The results were then compared to TAGM values. See **Table B-4** in **Appendix B**.

### 2.8.2 Trench Spoils

Soil excavated from the trenches was staged in windrows parallel to each of the trenches. As per the RDR, one sample was collected from the trench spoils per 150 LF of biowall excavated within the 100 µg/L total chlorinated ethene contour line for groundwater as delineated on **Drawing D-2** in **Appendix D**. A total of 19 samples were collected from the trench spoils. The soil samples were sent to laboratory for VOC analysis. The TCE results were compared to the NYSDEC TAGM value of 0.7 mg/kg. Results are provided in **Table B-3** of **Appendix B**. All TCE concentrations were well below the 0.7 mg/kg TAGM value with the exception of sample ID ALBW10020 which was 6.6 mg/kg. This sample was collected from the southern end of C1. Based on the fact that no TCE was present in samples collected from trench spoils closer to the original source, these results were questionable. Therefore, two additional samples were collected from the same trench spoils. The results from these two samples, ALBW10036 and ALBW 10037, indicated that no TCE was detected (less than 0.005 mg/kg). Therefore, it was concluded that all trench spoils were less than the TAGM value and were determined to be usable on-site as fill for the vegetative covers.

### 2.8.3 Debris Pile Waste Characterization

One composite sample was collected for disposal characterization of the Debris Piles, as described in **Section 2.8.2** in accordance with the RDR. The composite sample was taken by combining one discreet grab sample from each of the three Debris Piles, as required by the disposal facility and outlined in the RDR. The disposal characterization sample was analyzed for Toxicity Characteristic Leaching Procedure (TCLP) VOC, SVOC, pesticides, polycyclic biphenyls (PCBs), herbicides, metals, reactivity, flashpoint, and pH. All detected analytes were below the disposal facility acceptance limits. The complete analytical data are included in **Table B-5** of **Appendix B**. The analytical results confirmed that the Debris Piles were suitable for off-site disposal to a Subtitle D non-hazardous facility. A waste profile was generated and the material was accepted by Seneca Meadows landfill in Waterloo, NY.

## 2.9 Health and Safety

Prior to the commencement of construction, a health and safety indoctrination meeting was held at SEDA on September 5, 2006. Parsons employees, and the earthwork subcontractor, attended the health and safety meeting. A review of the project health and safety requirements and procedures outlined in the "Project Safety Plan and Site-Specific Health and Safety Plan for Remediation of the Seneca Army Depot Activity" (Parsons, 2005) was performed. Project coordination and communication and the scope of work were discussed.

At the start of each work day, all on-site workers attended a daily health and safety briefing conducted by Sessler's Superintendent. These "tailgate" meetings were mandatory for all subcontractors and Parsons personnel working at the site. At each meeting, the SHSO discussed personal protective equipment (PPE) needs for that day and any potential hazards associated with the day's scheduled activities. The topics covered and all attendees at each daily briefing were documented, and the records were stored in the project files.

No accidents, injuries or illnesses were reported.

## **2.10 Site Restoration**

Prior to demobilization, site restoration activities including revegetation of disturbed areas, equipment and personnel demobilization, removal of trash and waste, and final inspection procedures took place. In addition, a final survey was conducted. All coordinates, including elevations, were surveyed, by Parsons' personnel, using a Trimble 5700 Real-Time Kinematic (RTK) global positioning system (GPS) unit. As-built drawings are attached in **Appendix D**.



### 3.0 SUMMARY OF DEVIATIONS FROM DESIGN

Based on site conditions in the field, the final design implemented in the field during the RA deviated from the proposed design presented in the RDR. These deviations are summarized below.

#### 3.1 Biowall Construction

The soil conditions in the area of the northernmost B1 trench were wet, unstable, and highly organic. Because of this condition, the trench walls were weaker and collapsed during excavation creating a wide trench up to 18 feet wide in places at the top. Since the trench was wide, it was decided to create a single trench that would serve as the northernmost side by side B1 and B2 trenches. By creating this single double-wide trench that had a minimum width of 6 feet, at least the same amount of mulch backfill was placed in the ground as would have been placed in the side by side trenches. The length of this portion of the trench was 135 feet.

Similarly, the A1 and A2 biowalls were located in an area where the soil was very soft and wet. This area also would not support side by side 3-foot wide trenches. Therefore, A1 and A2 were constructed as a single double-wide trench. Like B1, the width of trench A1/A2 was a minimum of 6-foot wide so that the same amount of mulch material could be placed in the ground as two side-by-side trenches.

**Table 2** shows that 2,800 cy of raw mulch was needed to construct the reactive walls at the 3-foot design width. As shown on **Table 2**, 4,701 cy of raw mulch or approximately 68% more mulch was incorporated into the biowalls. Since the biowalls work through the biodegradation of mulch material, the installed system will be more effective than planned since an additional 68% of mulch material is available for biodegradation.

Preserving the existing water line that runs east/west near the southern ends of trenches A1/A2 and B1/B2 was not necessary. The Town of Romulus Water Department confirmed that this line was abandoned and directed Parsons to dig through the line. They indicated that there was no need to protect the line during excavation. A portion of the water line was cut by the Water Department in the vicinity of the A1/A2 and B1/B2 trenches. These cuts were surveyed and are marked on **Drawing D-2** in **Appendix D**.

#### 3.2 Incinerator Cooling Water Pond

During regrading of the Incinerator Cooling Water Pond, no additional soil from on-site or off-site sources was needed since the bottom elevation of the Pond was even with the surrounding grade.

#### 3.3 Ash Landfill Vegetative Cover

The vegetative cover that was placed on the Ash Landfill was thicker than the required 12-inch cover. As shown in **Table 3**, the ALF required 3,549 cy of fill to achieve 12 inches and 4,380 cy was placed

(831 cy excess used). The QC measurements collected in the field ranged from 13 to 16 inches as shown in **Table C-1** in **Appendix C**.

### **3.4 Non-Combustible Fill Landfill**

The vegetative cover that was placed on the NCFL was thicker than the required 12-inch cover. As shown in **Table 3**, the NCFL required 5,485 cy of fill to achieve 12 inches and 6,015 cy was placed (530 cy excess used). The QC measurements collected in the field ranged from 12 to 16 inches as shown in **Table C-1** in **Appendix C**.

### **3.5 Debris Piles**

In the RA, 700 cy of debris was estimated to exist within Debris Piles A, B, and C. Approximately 1,200 cy of debris were removed from the three piles, the majority of which was found in Debris Pile A (1,000 cy). The debris extended outside the established boundary of Debris Pile A.

### **3.6 Monitoring Wells**

During construction activities of the B1 and B2 biowalls, several wells that were part of the post closure monitoring and maintenance plan were destroyed and abandoned. MWT-12R, MWT-13, MWT-15 and MWT-17R were wells that were to be monitored to assess the biowall process and determine when the mulch fill may need replacement. Abandonment of these wells was unavoidable during construction. As a result, four new wells were installed 70 feet to the south for the same purpose. MWT-26 was installed upgradient of both walls. MWT-27 and MWT-28 were installed within B1 and B2 respectively and MWT-29 was installed downgradient of both walls. These wells will replace the four listed above in the post closure monitoring and maintenance plan.

In addition, PT-18 located within the Ash Landfill was damaged during capping of this area. This well was abandoned and replaced as close as possible to the original location. The well has been renamed PT-18A. **Figure 2** provides a site plan showing the area where the wells described in this section were abandoned and replaced.

#### 4.0 POST-CONSTRUCTION ACTIVITIES

The following post-construction activities will be performed:

- In the spring of 2007, Parsons will confirm that vegetation is re-established at the Ash Landfill, the Non-Combustible Fill Landfill, the Incinerator Cooling Water Pond, and the Debris Piles, and the silt fencing surrounding the NCFL will be removed at that time. If necessary, Parsons will reseed the areas where vegetation is not established, and;
- LTM of groundwater will commence in January 2007. The monitoring will be performed in accordance with the Post-Closure Monitoring and Maintenance Plan (PCMMP), presented as Section 7 of the RDR with the modifications as described in **Section 3.6** of this report. **Figure 3** shows the wells that will be sampled as part of this LTM effort.

## 5.0 REFERENCES

*Proposed Plan for the Ash Landfill, Final*, (Parsons, December 2002).

*Record of Decision for the Ash Landfill Operable Unit, Final*, (Parsons, July 2004).

*Remedial Design Report for the Ash Landfill Operable Unit, Revised Final*. (Parsons, September 2006).

*Sampling and Analysis Plan for Seneca Army Depot Activity (SAP), Revised Final*. (Parsons, April 2006).

*Project Safety Plan and Site-Specific Health and Safety Plan for Remediation of the Seneca Army Depot Activity, Final* (Parsons, May 2005).

*Feasibility Memorandum for Groundwater Remediation Alternatives Using Zero Valent Iron Reactive Wall at the Ash Landfill, Draft* (Parsons, 2000).

**Table 1  
Biowall Construction Dimensions  
Ash Landfill Construction Completion Report  
Seneca Army Depot Activity**

<b>Biowall</b>	<b>Length (lf)</b>	<b>Depth (ft)</b>	<b>Range of Widths at Top (ft)<sup>1</sup></b>	<b>Biowall Excavation Volume (cy)</b>	<b>Final Disposition of Trench Spoils</b>
A1/A2	375	10 to 18	8.5 to 17.5	1,462	Ash Landfill
B1/B2 -combined wall north of the pilot study wall	135	13 to 18.5	10	633	NCFL
B1(N) - north of the pilot wall	225	8 to 11.5	5 to 9	491	Ash Landfill
B1 (S) - south of the pilot wall	310	8.5 to 11	4.5 to 8	489	NCFL
B2 (N) - north of the pilot wall	225	9 to 12	5 to 12	665	Ash Landfill
B2 (S) - south of the pilot wall	315	8 to 11	4.5 to 10	583	NCFL
C1	560	7 to 11	4.5 to 7	917	NCFL
C2	560	7 to 11.5	3 to 9	1,019	NCFL

Totals 2,705 6,259

Trench spoils used for NCFL cover = 3,641  
 Trench spoils used for Ash Landfill cover = 2,318  
 Trench spoils used for Ash Landfill topsoil = 300  
6,259

Notes:

NCFL = Non-Combustible Fill Landfill

All trench spoils were re-used as part of the Ash Landfill or the NCFL vegetative covers.

1 - Bottom width of all trenches was a minimum of 4 feet since a 3-foot wide bucket with 6-inch clearance on each side was used for excavatio

The width of biowall A1/A2 and combined B1/B2 was a minimum of 6 feet.

**Table 2  
As-Built Vs. Design Data for Biowalls  
Ash Landfill Construction Completion Report  
Seneca Army Depot Activity**

Biowall ID	Trench Length (lf)		Trench Depth (ft)		Trench Width (ft)		Excavation Volume (cy)		Mulch Volume (cy)		Sand Volume (cy)		Oil Volume (gallons)	
	Design	Actual	Design (avg)	Actual	Design (avg)	Actual	Design	Actual	Design	Actual	Design	Actual	Design	Actual
A1	370		11		3	-	452		317		226		1,506	
A2	<u>370</u>		<u>11</u>		<u>3</u>	<u>-</u>	<u>452</u>		<u>317</u>		<u>226</u>		<u>1,506</u>	
A1/A2 Combined	370	375	11	10 to 18	6	8.5 to 17.5	904	1,462	633	1,097	452	731	3,012	3,604
B1/B2	NA	135	11	13 to 18.5	6	10		633		481		317		1,583
B1(1)	670	535	11	8.2 to 11.5	3	5 to 9	849	980	595	735	425	500	2,829	2,450
B2(1)	<u>675</u>	<u>540</u>	11	8 to 12	3	4.5 to 12	<u>849</u>	<u>1,248</u>	<u>595</u>	<u>936</u>	425	637	2,829	3,121
B1/B2 Combined	1,345	1,345 <sup>(1)</sup>					1,699	2,861	1,189	2,152				
C1	575	560	11	7 to 11	3	4.5 to 7	703	917	489	687	349	467	2,340	2,292
C2	<u>575</u>	<u>560</u>	11	7 to 11.5	3	3 to 9	<u>703</u>	<u>1,019</u>	<u>489</u>	<u>764</u>	349	520	2,340	2,548
C1/C2 Combined	1,150	1,120					1,406	1,936	978	1,452				
Totals	2,865	2,840					4,009	6,259	2,800	4,701	2,000	3,171	13,350	15,596

Notes:

1. The actual trench length for B1/B2 combined counts the length of the B1/B2 portion twice, since the B1/B2 double wall portion counts for both B1 and B2.

**Table 3  
Biowall Excavation/Fill Mass Balance  
Ash Landfill Construction Completion Report  
Seneca Army Depot Activity**

<b>Ash Landfill</b>			
<b>Fill Requirements - Ash Landfill</b>			
<b>Material</b>	<b>Area (ac)</b>	<b>Area (sf)</b>	<b>Volume Required</b>
ALF - Fill	2.2	95,832	2,366 cy
ALF - Topsoil	2.2	95,832	1,183 cy
Total Req'd for 12-inch cover			3,549 cy
<b>Fill Placement - Ash Landfill</b>			
<b>Material</b>	<b>Source</b>		<b>Volume Placed</b>
ALF - Fill	:From trench spoils <sup>2</sup>		2,550 cy
ALF - Fill	:Mulch from off-site <sup>3</sup>		480 cy
ALF - Topsoil	:From trench spoils - top 2'		300 cy
ALF - Topsoil	:From off-site		1,050 cy
			4,380 cy
<b>Non-Combustible Fill Landfill</b>			
<b>Fill Requirements - NCFL</b>			
<b>Material</b>	<b>Area (ac)</b>	<b>Area (sf)</b>	<b>Volume Required</b>
NCFL - Fill	3.4	148,104	3,657 cy
NCFL - Topsoil	3.4	148,104	1,828 cy
Total Req'd for 12-inch cover			5,485 cy
<b>Fill Placement - NCFL</b>			
<b>Material</b>	<b>Source</b>		<b>Volume Placed</b>
NCFL - Fill	:From trench spoils <sup>1</sup>		4,005 cy
NCFL - Topsoil	:From off-site		2,010 cy
			6,015 cy

Notes:

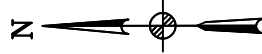
ALF = Ash Landfill

NCFL = Non-Combustible Fill Landfill

<sup>1</sup>Volume excavated from Trenches C1, C2, combined B1/B2 and southern portions of B1 and B2 times an expansion factor of 10%.

<sup>2</sup>Volume excavated from Trenches A1/A2 and the northern portions of B1 and B2 times an expansion factor of 10%.

<sup>3</sup>Volume of mulch delivered divided by compressibility factor of 1.5.



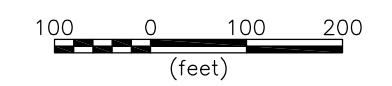
SITE PLAN  
NTS



**LEGEND:**

- PAVED ROAD
- DIRT ROAD
- GROUND CONTOUR AND ELEVATION
- TREE
- WETLAND & DESIGNATION
- BRUSH
- CHAIN LINK FENCE
- UTILITY POLE
- APPROXIMATE LOCATION OF FIRE HYDRANT
- FUEL OR UNDERGROUND STORAGE TANK
- SURVEY MONUMENT
- MONITORING WELL AND DESIGNATION
- RAILROAD TRACKS
- WATER MAIN
- APPROXIMATE EXTENT OF IRM SOIL TREATMENT
- APPROXIMATE AREA REQUIRING LAND USE CONTROLS

**NOTE:**  
FIGURE SHOWS PRE-CONSTRUCTION CONDITIONS



**PARSONS**



CLIENT/PROJECT TITLE  
**SENECA ARMY DEPOT  
ASH LANDFILL  
COMPLETION REPORT**

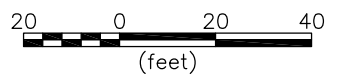
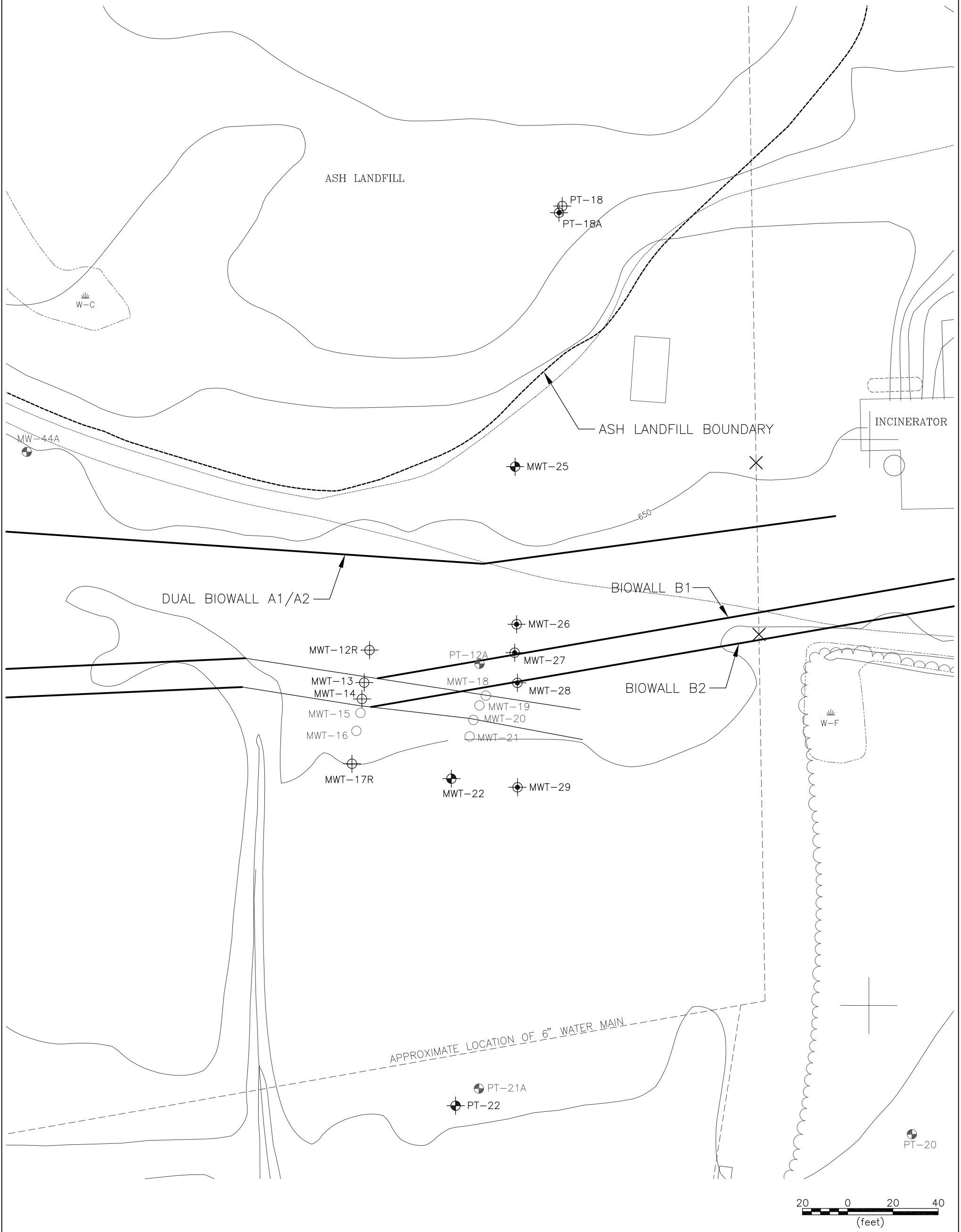
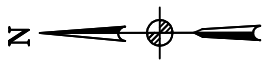
DEPT. ENVIRONMENTAL ENGINEERING Dwg. No. 744538-01400

**FIGURE 1  
ASH LANDFILL  
SITE MAP**

SCALE 1" = 200' DATE JANUARY 2007 REV A

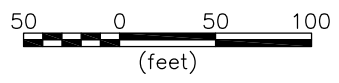
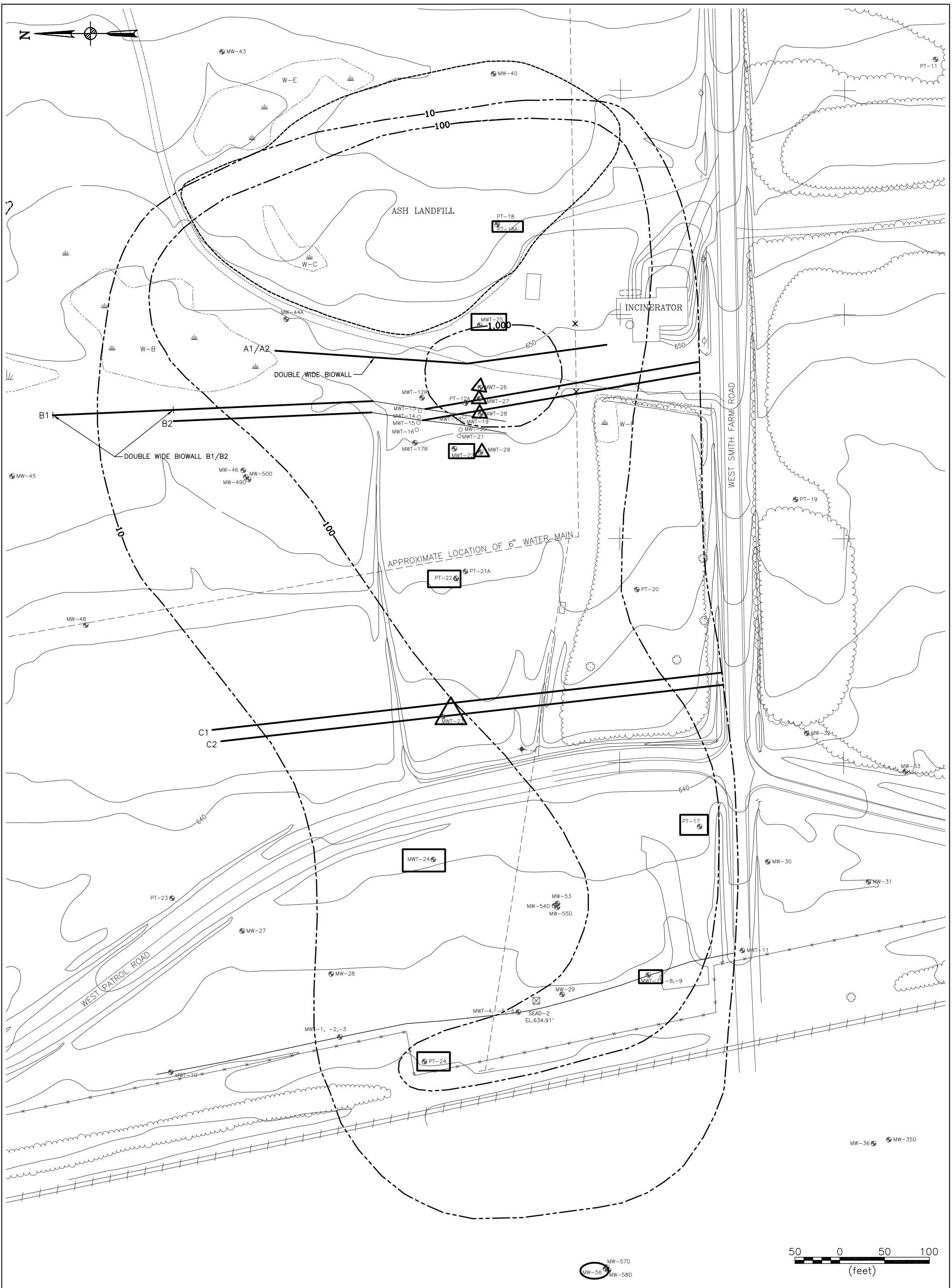
P:\PIT\Projects\Seneca PBC\Remedial Design\Ash Landfill\Draft Design\Cad\As Built\Figure 1.dwg





LEGEND:	
	PAVED ROAD
	DIRT ROAD
	GROUND CONTOUR AND ELEVATION
	TREE
	WETLAND & DESIGNATION
	RAILROAD TRACKS
	BRUSH
	CHAIN LINK FENCE
	UTILITY POLE
	FUEL OR UNDERGROUND STORAGE TANK
	SURVEY MONUMENT
	APPROXIMATE LOCATION OF WATER MAIN
	BIOWALL
	EXISTING TREATMENT WALL
	PT-12A MONITORING WELL AND DESIGNATION (NOT PART OF L.T.M.)
	MWT-16 ABANDONED MONITORING WELL
	PT-22 PROPOSED FOR L.T.M. DURING DESIGN AND RETAINED FOR L.T.M.
	MWT-12R PROPOSED FOR L.T.M. DURING DESIGN - ABANDONED DURING RA
	MWT-26 NEW MONITORING WELL INSTALLED TO REPLACE ABANDONED WELL ABANDONED DURING RA - PART OF L.T.M.

<b>CLIENT/PROJECT TITLE</b> <b>SENECA ARMY DEPOT</b> ASH LANDFILL COMPLETION REPORT	
DEPT. ENVIRONMENTAL ENGINEERING	Dwg. No. 744538-01400
<b>FIGURE 2</b> CHANGES TO L.T.M. WELL LOCATIONS	
SCALE 1" = 40'	DATE JANUARY 2007
	REV B



**LEGEND:**

- |  |                                 |  |                                      |  |                                                             |
|--|---------------------------------|--|--------------------------------------|--|-------------------------------------------------------------|
|  | PAVED ROAD                      |  | BRUSH                                |  | APPROXIMATE LOCATION OF WATER MAIN                          |
|  | DIRT ROAD                       |  | CHAIN LINK FENCE                     |  | PROPOSED BIOWALL                                            |
|  | GROUND CONTOUR AND ELEVATION    |  | UTILITY POLE                         |  | EXISTING TREATMENT WALL                                     |
|  | TREE                            |  | APPROXIMATE LOCATION OF FIRE HYDRANT |  | GROUNDWATER ISOCONTOUR (UG/L)                               |
|  | WETLAND & DESIGNATION           |  | FUEL OR UNDERGROUND STORAGE TANK     |  | OFF-SITE PERFORMANCE MONITORING WELL IN L.T.M. PROGRAM      |
|  | MONITORING WELL AND DESIGNATION |  | SURVEY MONUMENT                      |  | ON-SITE PLUME PERFORMANCE MONITORING WELL IN L.T.M. PROGRAM |
|  | RAILROAD TRACKS                 |  | ABANDONED MONITORING WELL            |  | BIOWALL PROCESS MONITORING WELL IN L.T.M. PROGRAM           |



**PARSONS**



CLIENT/PROJECT TITLE  
**SENECA ARMY DEPOT  
 ASH LANDFILL  
 COMPLETION REPORT**

DEPT. ENVIRONMENTAL ENGINEERING Dwg. No. 744538-01400

**FIGURE 3  
 LONG TERM MONITORING  
 WELL LOCATIONS**

SCALE 1" = 100' DATE JANUARY 2007 REV B

## **Appendix A**

### **Disposal Documentation**

- Table A-1 Debris Pile Disposal Manifest Summary
- Copies of Non-Hazardous Manifests and Weigh Tickets

**Table A-1  
Debris Pile Disposal Manifest Summary  
Ash Landfill Completion Report  
Seneca Army Depot Activity**

<b>LOAD #</b>	<b>DATE</b>	<b>MANIFEST #</b>	<b>WEIGH TICKET #</b>	<b>QTY (TONS)</b>	<b>DISPOSAL FACILITY</b>	<b>TRANSPORTER</b>
1	10/24/2006	BW01	1454877	35.61	Seneca Meadows	We Care
2	10/24/2006	BW02	1455162	34.81	Seneca Meadows	We Care
3	10/24/2006	BW03	1454981	37.69	Seneca Meadows	We Care
4	10/24/2006	BW04	1455086	39.72	Seneca Meadows	We Care
5	10/24/2006	BW05	1454908	36.49	Seneca Meadows	We Care
6	10/24/2006	BW06	1455019	36.04	Seneca Meadows	We Care
7	10/24/2006	BW07	1455122	38.40	Seneca Meadows	We Care
8	10/24/2006	BW08	1455237	37.02	Seneca Meadows	We Care
9	10/24/2006	BW09	1455352	38.10	Seneca Meadows	We Care
10	10/24/2006	BW16A	1455108	29.16	Seneca Meadows	We Care
11	10/24/2006	BW17	1455257	33.21	Seneca Meadows	We Care
12	10/24/2006	BW18	1455265	36.62	Seneca Meadows	We Care
13	10/24/2006	BW19	1455374	35.65	Seneca Meadows	We Care
14	10/24/2006	BW22	1455349	34.64	Seneca Meadows	We Care
15	10/25/2006	BW10	1455589	36.24	Seneca Meadows	We Care
16	10/25/2006	BW11	1455694	38.41	Seneca Meadows	We Care
17	10/25/2006	BW12	1455923	37.70	Seneca Meadows	We Care
18	10/25/2006	BW13	1455793	34.34	Seneca Meadows	We Care
19	10/25/2006	BW14	1455608	36.66	Seneca Meadows	We Care
20	10/25/2006	BW15	1455927	32.51	Seneca Meadows	We Care
21	10/25/2006	BW20	1455504	35.52	Seneca Meadows	We Care
22	10/25/2006	BW21	1455576	36.49	Seneca Meadows	We Care
23	10/25/2006	BW24	1455689	36.71	Seneca Meadows	We Care
24	10/25/2006	BW25	1455795	34.85	Seneca Meadows	We Care
25	10/25/2006	BW26	1455938	36.58	Seneca Meadows	We Care
26	10/25/2006	BW28	1455530	38.52	Seneca Meadows	We Care
27	10/25/2006	BW29	1455974	37.17	Seneca Meadows	We Care
28	10/26/2006	BW16B	1456458	40.53	Seneca Meadows	We Care
29	10/26/2006	BW23	1456358	40.28	Seneca Meadows	We Care
30	10/26/2006	BW27	1456258	38.74	Seneca Meadows	We Care
31	10/26/2006	BW30	1456580	39.05	Seneca Meadows	We Care
32	10/26/2006	BW31	1456649	33.72	Seneca Meadows	We Care
33	10/26/2006	BW32	1456289	40.19	Seneca Meadows	We Care
34	10/26/2006	BW33	1456139	38.55	Seneca Meadows	We Care
35	10/26/2006	BW34	1456372	41.06	Seneca Meadows	We Care
36	10/26/2006	BW35	1456487	40.10	Seneca Meadows	We Care
37	10/26/2006	BW36	1456552	38.11	Seneca Meadows	We Care
38	10/26/2006	BW37	1456614	40.59	Seneca Meadows	We Care
39	10/26/2006	BW38	1456632	19.40	Seneca Meadows	We Care
40	10/27/2006	BW39	1456836	40.51	Seneca Meadows	We Care
41	10/27/2006	BW40	1456866	37.35	Seneca Meadows	We Care
42	10/27/2006	BW41	1456927	44.47	Seneca Meadows	We Care
	<b>TOTALS</b>			<b>1,547.51 tons</b>		

#1

Please print or type  
(Form designed for use on ellipse (12-pitch) typewriter.)

**NON-HAZARDOUS  
WASTE MANIFEST**

1. Generator's US EPA ID No.

NY 021.302.0930

Manifest Doc. No.

BW 01.

2. Page 1  
of

3. Generator's Name and Mailing Address

SENECA ARMY DEPT ACTIVITY  
5786 RT 91 ROUTE 91, NY 14541

4. Generator's Phone ( 517 ) 569-1309

5. Transporter 1 Company Name

WE CARE TRANSPORTATION, LLC

6. US EPA ID Number

A. Transporter's Phone

(315) 659-1937

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

SENECA METALS INC  
1106 CALDWAY RD  
WATERLOO NY 13105

10. US EPA ID Number

C. Facility's Phone

(315) 539-5624

11. Waste Shipping Name and Description

a. NON HAZARDOUS CONTAMINATED SOIL

12. Containers

No. Type

13. Total Quantity

14. Unit Wt/Vol

35.61 Tons

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

WASTE APPROVAL # ~~5062~~  
0608013

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

Printed/Typed Name

STEPHEN ABSOLOM

Signature

[Signature]

Month Day Year

10 20 06

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Bruce

Signature

[Signature]

Month Day Year

10 20 06

GENERATOR

TRANSPORTER

FACILITY



Ticket# 1454877  
Date: 10/24/2006  
Time: 07:41:44 - 07:50:16

SENECA BEADOWS, INC.  
1705 SAGAMORE RD  
WATERLOO, NY 13165  
Ph: (315) 535-5624 Fax: (315) 539-3097

Customer: 15LMS / L M SESSLERS EXCA  
Carrier: 7020 / MEDARE TRANSPORTAT  
Profile: 20060005-15LMS / 15LMS-2006000  
Gross: 107500LBS  
Tare: 36400LBS  
Net: 71200LBS

Origin: 116 / SENECA  
Truck: W03756  
Comment:

Quantity

35.6100 Tons

Washes & Services  
W0501 / B/R-CONTAM SOIL

Weightmaster

050607

Driver:

BW01

Please print or type  
(Form designed for use on elite (12-pitch) typewriter.)

### NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.  
NY0213820830

Manifest Doc. No.  
BW02

2. Page 1  
of 1

3. Generator's Name and Mailing Address  
Seneca Army Depot Activity  
5786 State Rte. 96, Romulus, NY 14541

4. Generator's Phone ( 607 ) 869-1309

5. Transporter 1 Company Name  
WE CARE TRANSPORTATION, LLC

6. US EPA ID Number

A. Transporter's Phone  
(315) 689-1937

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address  
Seneca Meadows Landfill  
1786 Salaman Road  
Waterloo, NY 13165

10. US EPA ID Number

C. Facility's Phone

8-4532-00023

315-539-5624

11. Waste Shipping Name and Description

12. Containers  
No. Type

13. Total  
Quantity

14. Unit  
Wt/Vol

a. NON HAZARDOUS CONTAMINATED SOIL

34.81

T&V

b.  
c.  
d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

WASTE APPROVAL # ~~3062~~  
06080B

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

Printed/Typed Name  
Stephen Absolon

Signature  
*Stephen Absolon*

Month Day Year  
10 20 06

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature  
*[Signature]*

Month Day Year  
10 21 06

GENERATOR

TRANSPORTER

FACILITY

197521

Geneca Meadows, Inc.  
1786 Saloman Rd.  
Waterloo, NY 13165  
Ph: (315) 539-5624 Fax: (315) 539-3097

Ticket: 1455162  
Date: 10/24/2006  
Time: 11:53:15 - 12:05:31

Customer: 15LMS / L M SESSLERS EXCA

Carrier: 7020 / WEGARE TRANSPORTAT  
Profile: 2006000R-15LMS / 15LMS-2006000  
Cust Ref: 197521

Origin: 116 / GENECA  
Truck: 005756  
Comment:

Gross: 105900LBS  
Tare: 36360LBS  
Net: 69620LBS

Wastes & Services

Quantity

BCS01 / BYR-CONTAM SOIL

34.8100 Tons

Bwo2

Weightmaster: RUSS 450014

Driver:

#2



Please print or type  
(Form designed for use on elite (12-pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. NY0213820830	Manifest Doc. No. BWO3	2. Page 1 of 1
-------------------------------------	--	----------------------------------------------	---------------------------	-------------------

3. Generator's Name and Mailing Address Seneca Army Depot Activity 5786 State Rte. 96, Romulus, NY 14541				
4. Generator's Phone ( 607 ) 869-1309				

5. Transporter 1 Company Name WE CANE TRANSPORTATION, LLC	6. US EPA ID Number	A. Transporter's Phone (315) 689-1937
--------------------------------------------------------------	---------------------	------------------------------------------

7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
-------------------------------	---------------------	------------------------

9. Designated Facility Name and Site Address Seneca Meadows Landfill 1786 Salzman Road Waterloo, NY 13165	10. US EPA ID Number 8-4532-00023	C. Facility's Phone 315-539-5624
--------------------------------------------------------------------------------------------------------------------	--------------------------------------	-------------------------------------

11. Waste Shipping Name and Description	12. Containers		13. Total Quantity	14. Unit Wt/Vol
	No.	Type		
a. NON HAZARDOUS CONTAMINATED SOIL			37.69	TON
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above	E. Handling Codes for Wastes Listed Above
-------------------------------------------------------	-------------------------------------------

15. Special Handling Instructions and Additional Information WASTE APPROVAL # <del>3062</del> 060808
------------------------------------------------------------------------------------------------------------

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

Printed/Typed Name Stephen Absolom	Signature <i>Stephen Absolom</i>	Month Day Year 10 20 06
---------------------------------------	-------------------------------------	----------------------------

17. Transporter 1 Acknowledgement of Receipt of Materials	Printed/Typed Name	Signature	Month Day Year
-----------------------------------------------------------	--------------------	-----------	----------------

18. Transporter 2 Acknowledgement of Receipt of Materials	Printed/Typed Name	Signature	Month Day Year
-----------------------------------------------------------	--------------------	-----------	----------------

19. Discrepancy Indication Space
----------------------------------

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.		
Printed/Typed Name	Signature	Month Day Year 10 20 06

GENERATOR  
TRANSPORTER  
FACILITY

Seneca Meadows, Inc.  
1786 Salomani Rd.  
Waterloo, NY 13165  
Ph: (315) 539-5624 Fax: (315) 539-3097

Customer: 15LMS / L M SELLERS EXCA  
Carrier: 7020 / WEGARE TRANSPORTAT  
Profile: 20060808-15LMS / 15LMS-2006000  
Gust Ref: 197522

Driver: 116 / SENECA  
Truck: WC5756

Comment:

Wastes & Services:

BCS01 / B/R-CONTAIN SOIL

Ticket#: 1454981  
Date: 10/24/2006  
Time: 09:06:40 - 09:12:58

Gross: 111700LBS  
Tare: 36400LBS  
Net: 75300LBS

3003

Quantity

37.6900 Tons

Weightmaster: CARRIE 450047

Driver:

BW04

Please print or type  
(Form designed for use on elite (12-pitch) typewriter.)

**NON-HAZARDOUS  
WASTE MANIFEST**

1. Generator's US EPA ID No.  
NY0213820830

Manifest Doc. No.  
BW04

2. Page 1  
of 1

3. Generator's Name and Mailing Address  
Seneca Army Depot Activity  
5786 State Rte. 96, Romulus, NY 14541

4. Generator's Phone (607) 869-1309

5. Transporter 1 Company Name  
WE CARE TRANSPORTATION, LLC

6. US EPA ID Number

A. Transporter's Phone  
(315) 681-1937

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address  
Seneca Meadows Landfill  
1786 Salzman Road  
Waterloo, NY 13165

10. US EPA ID Number  
8-4532-00023

C. Facility's Phone  
315-539-5624

11. Waste Shipping Name and Description

12. Containers  
No. Type

13. Total Quantity

14. Unit Wt/Vol

a. NON HAZARDOUS CONTAMINATED SOIL

39.72 TON

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information  
WASTE APPROVAL # ~~3042~~  
060808

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

Printed/Typed Name  
Stephen Absolon

Signature  
*Stephen Absolon*

Month Day Year  
10 20 06

17. Transporter 1 Acknowledgement of Receipt of Materials  
Printed/Typed Name

Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials  
Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.  
Printed/Typed Name

Signature

Month Day Year

GENERATOR

TRANSPORTER

FACILITY



Seneca Meadows, Inc.  
1786 Salzman Rd.  
Waterloo, NY 13165  
Ph: (315) 539-5624 Fax: (315) 539-3097

Customer: 15LMS / L M SESSLERS EXCA

Origin: 116 / SENECA  
Truck: WC5756  
Comment:

Ticket: 1455006  
Date: 10/24/2006  
Time: 10:25:10 - 10:45:03

Carrier: 7020 / WEGARE TRANSPORTAT  
Profiler: 20060008-15LMS / 15LMS-2006000  
Gross: 115560LBS  
Tare: 36420LBS  
Net: 79140LBS

Carrier: 7020 / WEGARE TRANSPORTAT  
Profiler: 20060008-15LMS / 15LMS-2006000  
Cust Ref: 197523

Wastes & Services

BCS01 / B/R-CONTAM SOIL

Quantity

39.7200 Tons

3004

Weightmaster: CARRIE 450047

Driver:

#4

BW05

Please print or type (Form designed for use on elite (12-pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. NY0213820530	Manifest Doc. No. BW05	2. Page 1 of 1
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3. Generator's Name and Mailing Address Seneca Army Depot Activity 5786 State Rte. 96, Romulus, NY 14541				
4. Generator's Phone ( 607 ) 869-1309				
5. Transporter 1 Company Name WE CARE TRANSPORTATION	6. US EPA ID Number	A. Transporter's Phone (315) 689-1937		
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone		
9. Designated Facility Name and Site Address Seneca Meadows Landfill 1786 Salmon Road Waterloo, NY 13165		10. US EPA ID Number 8-4532-00023	C. Facility's Phone 315-539-5624	

11. Waste Shipping Name and Description	12. Containers		13. Total Quantity	14. Unit Wt/Vol
	No.	Type		
a. NON HAZARDOUS CONTAMINATED SOIL			36.49	Ton
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above	E. Handling Codes for Wastes Listed Above
-------------------------------------------------------	-------------------------------------------

15. Special Handling Instructions and Additional Information  
WASTE APPROVAL # ~~0062~~  
060808

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

Printed/Typed Name Stephen Absolon	Signature <i>Stephen Absolon</i>	Month Day Year 10   20   06
---------------------------------------	-------------------------------------	--------------------------------

17. Transporter 1 Acknowledgement of Receipt of Materials	Printed/Typed Name	Signature	Month Day Year
-----------------------------------------------------------	--------------------	-----------	----------------

18. Transporter 2 Acknowledgement of Receipt of Materials	Printed/Typed Name	Signature	Month Day Year
-----------------------------------------------------------	--------------------	-----------	----------------

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.		
Printed/Typed Name	Signature <i>[Signature]</i>	Month Day Year 10   20   06

GENERATOR

TRANSPORTER

FACILITY



Seneca Meadows, Inc.  
1786 Salzman Rd.  
Waterloo, NY 13165  
PH: (315) 539-5624 Fax: (315) 539-8097

Customer: 15LMS / L M SESSLERS EXCA

Origin: 116 / SENECA  
Truck: WC5737

Comments:

Wastes & Services

BCS01 / B/R-CONTAM SOIL

Ticket#: 1454908  
Date: 10/24/2006  
Time: 07:52:10 - 08:18:24

Carrier: 7020 / WECARE TRANSPORTAT  
Profile: 20060808-15LMS / 15LMS-20060808

Gross: 109700LBS  
Tare: 36720LBS  
Net: 72980LBS

Cust Ref: 197519

Quantity

36.4900 Tons

BWOS

Driver:

Weightmaster: GARRIE 456047

*[Handwritten Signature]*

#5

BW06

Print or type on this form (12-pitch typewriter.)

# NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NY0213520830

Manifest Doc. No. 2. Page 1 of 1

3. Generator's Name and Mailing Address  
Seneca Army Depot Activity  
5785 State Rte. 96, Romulus, NY 14541

4. Generator's Phone ( 607 ) 869-1309

6. US EPA ID Number

A. Transporter's Phone  
315-699-1937

5. Transporter 1 Company Name  
WE CARE TRANSPORTATION

8. US EPA ID Number

B. Transporter's Phone

7. Transporter 2 Company Name

10. US EPA ID Number

C. Facility's Phone

315-539-5624

9. Designated Facility Name and Site Address  
Seneca Meadows Landfill  
1786 Salzman Road  
Waterloo, NY 13165

8-4532-00023

12. Containers	13. Total Quantity	14. Unit Wt/Vol
No.	Type	
		36.04 TON

11. Waste Shipping Name and Description

a. NON HAZARDOUS CONTAMINATED SOIL

GENERATOR

E. Handling Codes for Wastes Listed Above

D. Additional Descriptions for Materials Listed Above

15. Special Handling Instructions and Additional Information

WASTE APPROVAL # 3062  
06080B

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

Printed/Typed Name  
Stephen Absolon

Signature  
*Stephen Absolon*

Month Day Year  
10 20 06

17. Transporter 1 Acknowledgement of Receipt of Materials  
Printed/Typed Name

Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials  
Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year  
10 20 06

12-BLS-C5 Rev.

GENERATOR'S COPY

TRANSPORTER

FACILITY



STP  
RECEIVED

W 92  
JO 31

197510

Seneca Meadows, Inc.  
1706 Salzman Rd.  
Waterloo, NY 13165  
Ph: (315) 539-5624 Fax: (315) 539-3097

Customer: 15LMS / L M SESSLERS EXCA

Origin: 116 / SENECA  
Truck: WC5757  
Comment:

Carrier: 7020 / WECORE TRANSPORTAT  
Profile: 20060808-15LMS / 15LMS-20060808  
Cust Ref: 197510

Ticket: 1455019  
Date: 10/24/2006  
Time: 09:27:46 -- 09:50:07

Gross: 108760.165  
Tare: 36600.165  
Net: 72000.000

Wastes & Services

WC501 / B/R-CONTAM SOIL

Quantity

36.0400 Tons

36.06

Weightmaster: CARRIE 450047

Driver:



BW07

Please print or type  
(Form designed for use on elite (12-pitch) typewriter.)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. NY0213820830	Manifest Doc. No. BW07	2. Page 1 of 1
3. Generator's Name and Mailing Address Seneca Army Depot Activity 5786 State Rte. 96, Romulus, NY 14541				
4. Generator's Phone (607) 869-1309				
5. Transporter 1 Company Name WE CART TRANSPORTATION	6. US EPA ID Number	A. Transporter's Phone (315) 689-1937		
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone		
9. Designated Facility Name and Site Address Seneca Meadows Landfill 1786 Salzman Road Waterloo, NY 13165		10. US EPA ID Number 8-4532-00023	C. Facility's Phone 315-539-5624	
11. Waste Shipping Name and Description		12. Containers	13. Total Quantity	14. Unit Wt/Vol
a. NON HAZARDOUS CONTAMINATED SOIL		No.	Type	38.40 TBN
b.				
c.				
d.				
D. Additional Descriptions for Materials Listed Above		E. Handling Codes for Wastes Listed Above		
15. Special Handling Instructions and Additional Information WASTE APPROVAL # <del>3062</del> 060808				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name Stephen Absolon		Signature <i>Stephen Absolon</i>		Month Day Year 10 20 06
17. Transporter 1 Acknowledgement of Receipt of Materials				
Printed/Typed Name		Signature		Month Day Year
18. Transporter 2 Acknowledgement of Receipt of Materials				
Printed/Typed Name		Signature		Month Day Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name BW		Signature <i>[Signature]</i>		Month Day Year 10 24 06

GENERATOR

TRANSPORTER

FACILITY

Seneca Meadows, Inc.  
1786 Salaman Rd.  
Waterloo, NY 13165  
PH: (315) 539-5624 FAX: (315) 539-3097

Customer: 15LMS / L. M. SESSLERS EXCA

Origin: 116 / SENEGA

Truck: WC5757

Comment:

Ticket: 1455122  
Date: 10/24/2006  
Time: 10:56:58 - 11:20:17

Carrier: 7020 / WECARE TRANSPORTAT  
Profile: 20060008-15LMS / 15LMS-20060000  
Gross: 113420LBS  
Tare: 36620LBS  
Net: 76800LBS

Quantity

38.4000 Tons

Roof

Wastes & Services

BC501 / B/R-CONTAM SOIL

Weightmaster: CARRIE 450047

Driver:

*Diary D. Sa*

BW08

Please print or type  
(Form designed for use on elite (12-pitch) typewriter.)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. NY0213620830	Manifest Doc. No. BW08	2. Page 1 of 1
3. Generator's Name and Mailing Address Seneca Army Depot Activity 5785 State Rte. 96, Romulus, NY 14541				
4. Generator's Phone (607) 869-1309				
5. Transporter 1 Company Name WE CARE TRANSPORTATION	6. US EPA ID Number	A. Transporter's Phone (315) 689-1937		
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone		
9. Designated Facility Name and Site Address Seneca Meadows Landfill 1786 Salmon Road Waterloo, NY 13165	10. US EPA ID Number 8-4532-00023	C. Facility's Phone 315-539-5624		
11. Waste Shipping Name and Description		12. Containers	13. Total Quantity	14. Unit Wt/Vol
a. NON HAZARDOUS CONTAMINATED SOIL		No.	Type	37.02 TON
b.				
c.				
d.				
D. Additional Descriptions for Materials Listed Above		E. Handling Codes for Wastes Listed Above		
15. Special Handling Instructions and Additional Information WASTE APPROVAL # <del>3012</del> 06080B				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name Stephen Absolon		Signature <i>Stephen Absolon</i>		Month Day Year 10 20 06
17. Transporter 1 Acknowledgement of Receipt of Materials				
Printed/Typed Name		Signature		Month Day Year
18. Transporter 2 Acknowledgement of Receipt of Materials				
Printed/Typed Name		Signature		Month Day Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name		Signature <i>[Signature]</i>		Month Day Year 10 14 06

GENERATOR  
TRANSPORTER  
FACILITY



Ticket: 1455237  
Date: 10/24/2006  
Time: 12:31:10 - 13:12:30

Seneca Meadows, Inc.  
1706 Salzman Rd.  
Waterloo, NY 13165  
Ph: (315) 539-5624 Fax: (315) 539-3097

Carrier: 7020 / WECARE TRANSPORTAT  
Profile: 2006000B-15LMS / 15LMS-2006000  
Gross: 110640LBS  
Tare: 36600LBS  
Net: 74040LBS

Customer: 15LMS / L H SESSLERS EXCA  
Cust Ref: 197516

Origin: 116 / GENECA  
Truck: 005757  
Comment:

Bwos

Quantity

37.0200 Tons

Wastes & Services

B0501 / B/R-CONTAM SOIL

Driver:

Weightmaster: RUS 450014

BW09

Please print or type (Form designed to be used on elite (12-pitch) typewriter)

<b>NON-HAZARDOUS WASTE MANIFEST</b>	1. Generator's US EPA ID No. NY0213920930	Manifest Doc. No. BW09	2. Page 1 of 1
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3. Generator's Name and Mailing Address Seneca Army Depot Activity 5786 State Rte. 96, Romulus, NY 14541	4. Generator's Phone (607) 869-1309
----------------------------------------------------------------------------------------------------------------	-------------------------------------

5. Transporter 1 Company Name WE CARE TRANSPORTATION	6. US EPA ID Number	A. Transporter's Phone (315) 689-1937
---------------------------------------------------------	---------------------	------------------------------------------

7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
-------------------------------	---------------------	------------------------

9. Designated Facility Name and Site Address Seneca Meadows Landfill 1786 Salaman Road Waterloo, NY 13165	10. US EPA ID Number 8-4532-00023	C. Facility's Phone 315-539-5524
--------------------------------------------------------------------------------------------------------------------	--------------------------------------	-------------------------------------

11. Waste Shipping Name and Description	12. Containers		13. Total Quantity	14. Unit Wt/Vol
	No.	Type		
a. NON HAZARDOUS CONTAMINATED SOIL			38.10	Ton
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above	E. Handling Codes for Wastes Listed Above
-------------------------------------------------------	-------------------------------------------

15. Special Handling Instructions and Additional Information  
WASTE APPROVAL # ~~3002~~  
060808

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

Printed/Typed Name Stephen Absolon	Signature <i>Stephen Absolon</i>	Month Day Year 10 20 06
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17. Transporter 1 Acknowledgement of Receipt of Materials	Printed/Typed Name	Signature	Month Day Year
-----------------------------------------------------------	--------------------	-----------	----------------

18. Transporter 2 Acknowledgement of Receipt of Materials	Printed/Typed Name	Signature	Month Day Year
-----------------------------------------------------------	--------------------	-----------	----------------

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.	Printed/Typed Name	Signature <i>[Signature]</i>	Month Day Year 10 20 06
----------------------------------------------------------------------------------------------------------------------------------	--------------------	---------------------------------	----------------------------

GENERATOR TRANSPORTER FACILITY



Seneca Meadows, Inc.  
1786 Salcman Rd.  
Watertown, NY 13165  
Ph: (315) 539-5624 Fax: (315) 539-3097

Customer: 15LBS / L M SELLERS EXCA

Origin: 116 / SENECA  
Truck: W05757  
Comments:

Carrier: 7020 / WECORE TRANSPORTAT  
Profiler: 2006000B-15LBS / 15LBS-2006000  
Gross: 112040LBS  
Tare: 36640LBS  
Net: 76200LBS

Ticket: 145535P  
Date: 10/24/2006  
Time: 14120100 - 14152131

BW 09

Quantity

38.1000 Tons

Wastes & Services

BCS01 / B/R-CONTAM SOIL

Weightmaster: CARRIE 450047

Driver:

*Signature*

Load #3

#10

BW16 A

Please print or type  
(Form designed for use on 11lb (12-pitch) typewriter)

**NON-HAZARDOUS  
WASTE MANIFEST**

1. Generator's US EPA ID No.  
NY0213820830

Manifest Doc. No.  
04116

2. Page 1  
of 1

↑ GENERATOR  
↓ TRANSPORTER  
FACILITY

3. Generator's Name and Mailing Address  
Seneca Army Depot Activity  
5785 State Rte. 95, Romulus, NY 14541

4. Generator's Phone ( 607 ) 869-1309

5. Transporter 1 Company Name  
ONE CALL TRANSPORTATION

6. US EPA ID Number

A. Transporter's Phone  
(315) 689-1937

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address  
Seneca Meadows Landfill  
1785 Salzman Road  
Waterloo, NY 13165

10. US EPA ID Number  
B-4532-00023

C. Facility's Phone  
315-539-5624

11. Waste Shipping Name and Description

12. Containers  
No. Type

13. Total  
Quantity

14. Unit  
Wt/Vol

a. NON HAZARDOUS CONTAMINATED SOIL

...

29.16

...

b.

...

...

...

c.

...

...

...

d.

...

...

...

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information  
WASTE APPROVAL # ~~3012~~  
060808

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

Printed/Typed Name  
Stephen Absolon

Signature  
Month Day Year  
10 20 06

17. Transporter 1 Acknowledgement of Receipt of Materials  
Printed/Typed Name  
Timothy H...

Signature  
Month Day Year  
10 24 06

18. Transporter 2 Acknowledgement of Receipt of Materials  
Printed/Typed Name

Signature  
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature  
Month Day Year  
10 24 06

Seneca Meadows, Inc.  
1786 Salaman Rd.  
Waterloo, NY 13165  
Ph: (315) 539-5624 Fax: (315) 539-3097

Customer: 15LMS / L.M. SELLERS EXCA

Origin: 116 / SENECA  
Truck: WCE004

Comment:

Wastes & Services

EC501 / E/R-CONTAM SOIL

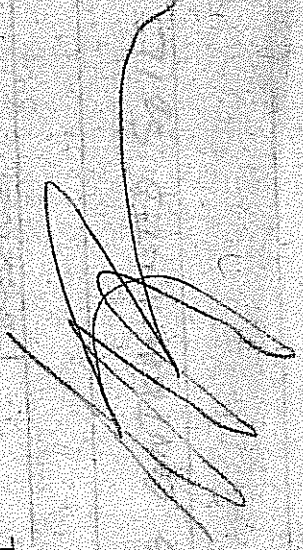
Ticket#: 1455108  
Date: 10/24/2006  
Time: 10:19:20 - 11:05:22

Carrier: 7020 / WECARE TRANSPORTAT  
Profile: 20060808-15LMS / 15LMS-2006080  
Gross: 93060LBS  
Tare: 34740LBS  
Net: 58320LBS

Bw/c A

Quantity

29.1600 Tons



Driver:

Weightmaster: GARTE 450047



BW17

Please print or type  
(Form designed for use on elite (12-pitch) typewriter.)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. NY0213820830	Manifest Doc. No. BW17	2. Page 1 of 1
3. Generator's Name and Mailing Address Seneca Army Depot Activity 5786 State Rte. 96, Romulus, NY 14541				
4. Generator's Phone ( 607 ) 869-1309				
5. Transporter 1 Company Name INE CARE TRANSPORTATION		6. US EPA ID Number		A. Transporter's Phone 315 689-1937
7. Transporter 2 Company Name		8. US EPA ID Number		B. Transporter's Phone
9. Designated Facility Name and Site Address Seneca Meadows Landfill 1786 Salzman Road Waterloo, NY 13165			10. US EPA ID Number 8-4532-00023	C. Facility's Phone 315-539-5624
11. Waste Shipping Name and Description			12. Containers	13. Total Quantity
			No.	Type
a. NON HAZARDOUS CONTAMINATED SOIL				
b. # 1455257 # 1455301				3321 TON
c.				
d.				
D. Additional Descriptions for Materials Listed Above			E. Handling Codes for Wastes Listed Above	
15. Special Handling Instructions and Additional Information WASTE APPROVAL # <del>3062</del> 060805				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name Stephen Absolon		Signature <i>Stephen Absolon</i>		Month Day Year 10 20 06
17. Transporter 1 Acknowledgement of Receipt of Materials				
Printed/Typed Name Timothy Hiel		Signature <i>Timothy Hiel</i>		Month Day Year 10 24 06
18. Transporter 2 Acknowledgement of Receipt of Materials				
Printed/Typed Name		Signature		Month Day Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name		Signature <i>[Signature]</i>		Month Day Year 10 24 06

GENERATOR

TRANSPORTER

FACILITY

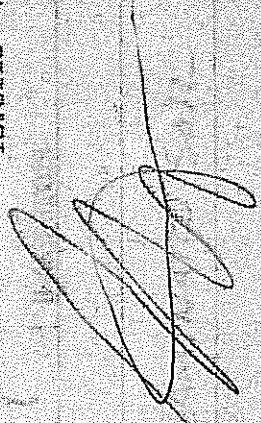
Ticket: 1455301  
Date: 10/24/2006  
Time: 13:44:57 - 14:07:46

Seneca Meadows, Inc.  
1786 Salzman Rd.  
Waterloo, NY 13165  
PH (315) 539-5624 Fax (315) 539-3097

Customer: 15LMS / L M SESSLERS EXCA      Carrier: 7020 / WECARE TRANSPORTAI  
Profile: 20060800-15LMS / 15LMS-2006080  
Cust Ref: 196890      Gross: 74340LBS Manual  
Tare: 36720LBS  
Net: 37620LBS

Origin: 116 / SENECA  
Truck: WC2004  
Comment: REST OF LOAD FROM EARLIER

Wastes & Services      Quantity      Bwt  
BCS01 / B/R-CONTAM SOIL      18.0100      Tons



Weightmaster: CARRIE 450047

Driver:

Seneca Meadows, Inc.  
1786 Salcman Rd.  
Waterloo, NY 13165  
Ph: (315) 539-5624 Fax: (315) 539-3097

\*\*\*\*\* Reprint Ticket \*\*\*\*\*

Ticket: 1455257  
Date: 10/24/2006  
Time: 12:49:07 - 13:30:59

# 11

Customer: 15LMS / L M SESSLERS EXCA Carrier: 7020 / WECARE TRANSPORTAT  
Profile: 2006080B-15LMS / 15LMS-2006080

Cust Ref: 196890

Gross: 103140LBS  
Tare: 74340LBS  
Net: 28800LBS

Origin: 116 / SENECA  
Truck: WC2804

Comment:

Wastes & Services	Quantity
BCS01 / B/R-CONTAM SOIL	14.4000 Tons

BW 17

Weighmaster: RUSS 450014

Driver: \_\_\_\_\_

14.40

18.81

33.21 Tons

BW 18

Please print or type  
(Form designed for use on elite (12-pitch) typewriter.)

### NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.  
NY0213820830

Manifest Doc. No.  
SW 18

2. Page 1  
of 1

3. Generator's Name and Mailing Address  
Seneca Army Depot Activity  
5786 State Rte. 96, Romulus, NY 14541

4. Generator's Phone ( 607 ) 869-1309

5. Transporter 1 Company Name  
WE CARE TRANSPORTATION

6. US EPA ID Number

A. Transporter's Phone  
(315) 689-1937

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address  
Seneca Meadows Landfill  
1786 Saloman Road  
Waterloo, NY 13165

10. US EPA ID Number

C. Facility's Phone

8-4532-00023

315-539-5624

11. Waste Shipping Name and Description

12. Containers  
No. Type

13. Total  
Quantity

14. Unit  
Wt/Vol

a. NON HAZARDOUS CONTAMINATED SOIL

3662

100

11. Waste Shipping Name and Description		12. Containers		13. Total Quantity	14. Unit Wt/Vol
		No.	Type		
a. NON HAZARDOUS CONTAMINATED SOIL				3662	100
b.					
c.					
d.					

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

WASTE APPROVAL # ~~3072~~  
060805

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

Printed/Typed Name  
Stephen Absolon

Signature  
*Stephen Absolon*

Month Day Year  
10 20 16

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name  
Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name  
Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name  
Signature  
*Chris Lewis*

Month Day Year  
11 22 16

GENERATOR

TRANSPORTER

FACILITY



Ticket: 1455265  
Date: 10/24/2006  
Time: 13:15:27 - 13:35:59

Seneca Meadows, Inc.  
1786 Salmon Rd.  
Waterville, NY 13165  
Ph: (315) 539-5624 Fax: (315) 539-3097

Customer: 15LMS / L M SELLERS EXCA  
Carrier: 7020 / WECARE TRANSPORTAT  
Profile: 20060803-13LMS / 15LMS-2006000  
Gross: 10940LBS  
Tare: 36240LBS  
Net: 73240LBS

Origin: 116 / SENECA  
Truck: W3256  
Comment:

Bw 12

Quantity

36.6200 Tons

Wastes & Services

60501 / B/R-CONTAM SOIL

Driver:

Weightmaster: RUSS 450014

#12

BW19

Please print or type  
(Form designed for use on elite (12-pitch) typewriter.)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. NY0213820830	Manifest Doc. No. BW19	2. Page 1 of 1
3. Generator's Name and Mailing Address Seneca Army Depot Activity 5786 State Rte. 96, Romulus, NY 14541				
4. Generator's Phone ( 607 ) 869-1309				
5. Transporter 1 Company Name VICARE TRANSPORTATION	6. US EPA ID Number	A. Transporter's Phone 1315 689-1937		
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone		
9. Designated Facility Name and Site Address Seneca Meadows Landfill 1786 Salzman Road Waterloo, NY 13165	10. US EPA ID Number 8-4532-00023	C. Facility's Phone 315-539-5624		
11. Waste Shipping Name and Description		12. Containers	13. Total Quantity	14. Unit Wt/Vol
a. NEW HAZARDOUS CONTAMINATED SOIL		No.	Type	35,05 TON
b.				
c.				
d.				
D. Additional Descriptions for Materials Listed Above		E. Handling Codes for Wastes Listed Above		
15. Special Handling Instructions and Additional Information WASTE APPROVAL # <del>3002</del> 060808				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name Stephen Absolon		Signature <i>S. Absolon</i>		Month Day Year 10 20 06
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature		Month Day Year
Printed/Typed Name		Signature		Month Day Year
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Month Day Year
Printed/Typed Name		Signature		Month Day Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name		Signature <i>[Signature]</i>		Month Day Year 10 27 06

GENERATOR

TRANSPORTER

FACILITY

Seneca Meadows, Inc.  
1786 Saltman Rd.  
Waterloo, NY 13165  
Ph: (315) 539-5624 Fax: (315) 539-3097

Customer: 15LMS / L M SESSLERS EXDA

Origin: 116 / SENECA  
Trucks: W05756  
Comment:

Ticket#: 1455374  
Date: 10/24/2006  
Time: 14:52:03 - 15:12:43

Carrier: 7020 / WECARE TRANSPORTAT  
Profile: 2006080R-15LMS / 15LMS-2006000  
Cust Ref: 197525

Gross: 107520LBS  
Tare: 36220LBS  
Net: 71300LBS

Wastes & Services

EC001 / B/R-CONTAM SOIL

Quantity

35.6500 Tons

B-019

Weightmaster: CARRIE 450047

Driver:

#13



Please print or type  
(Form designed for use on ellipse (12-pitch) typewriter.)

# NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.  
NY0213820839

Manifest Doc. No. *BML 22*  
2. Page 1  
of 1

3. Generator's Name and Mailing Address  
**Seneca Army Depot Activity**  
5786 State Rte. 96, Romulus, NY 14541  
4. Generator's Phone ( *607* ) *869-1309*

5. Transporter 1 Company Name  
*VIC CARLE TRANSPORTATION*

6. US EPA ID Number

A. Transporter's Phone  
*1315 689-1937*

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address  
**Seneca Meadows Landfill**  
1786 Salzman Road  
Waterloo, NY 13165

10. US EPA ID Number  
*8-4532-00023*

C. Facility's Phone  
*315-539-5624*

11. Waste Shipping Name and Description

a. *NON HAZARDOUS CONTAMINATED SOIL*

12. Containers  
No. Type

13. Total Quantity  
*34.64*

14. Unit  
Wt/Vol  
*Tons*

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information  
*WASTE APPROVAL # ~~3002~~  
060808*

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

Printed/Typed Name

Signature

Month Day Year

*Stephen Absolon*

*[Signature]*

*10 20 06*

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

*Patty Gilson #0001012*

*[Signature]*

*10 24 06*

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year

GENERATOR

TRANSPORTER

FACILITY



TO REORDER CALL 1-800-327-6868

Seneca Meadows, Inc.  
1786 Salzman Rd.  
Waterloo, NY 13165  
Ph: (315) 539-5624 Fax: (315) 539-3097

Customer: 15LMS / L M SESSLERS EXCA

Carrier: 7020 / WECARE TRANSPORTAT  
Profile: 2006000B-15LMS / 15LMS-2006000  
Cust Ref: 197496

Origin: 116 / SENECA  
Truck: WC6936  
Comments:

Ticket: 1455349  
Date: 10/24/2006  
Time: 14:18:50 - 14:48:37

Gross: 104060LBS  
Tare: 35580LBS  
Net: 69280LBS

Wastes & Services

BC901 / B/R-CONTAM SOIL

Quantity

34.6400 Tons

BWZZ

#14

Weightmaster: CARRIE 450047

Driver:

Please print or type  
(Form designed for use on elite (12-pitch) typewriter.)

BW10

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. 180213820830	Manifest Doc. No. SW10	2. Page 1 1
3. Generator's Name and Mailing Address Seneca Army Depot Activity 5786 State Rte. 96, Romulus, NY 14541				
4. Generator's Phone (607) 869-1309				
5. Transporter 1 Company Name WE CARE TRANSPORTATION		6. US EPA ID Number		A. Transporter's Phone (315) 689 1937
7. Transporter 2 Company Name		8. US EPA ID Number		B. Transporter's Phone
9. Designated Facility Name and Site Address Seneca Meadows Landfill 1786 Salzman Road Waterloo, NY 13165		10. US EPA ID Number 18-4532-00023		C. Facility's Phone 315-539-5624
11. Waste Shipping Name and Description			12. Containers	13. Total Quantity
a. NON HAZARDOUS CONTAMINATED SOIL			No.	Type
				36124
b.				
c.				
d.				
D. Additional Descriptions for Materials Listed Above			E. Handling Codes for Wastes Listed Above	
15. Special Handling Instructions and Additional Information WASTE APPROVAL # <del>3062</del> 060808				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name Stephen Absolon		Signature <i>Stephen Absolon</i>		Month Day Year 10 20 06
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name <i>Brian</i>		Signature <i>[Signature]</i>
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name		Signature
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name		Signature <i>[Signature]</i>		Month Day Year 10 20 06

GENERATOR  
TRANSPORTER  
FACILITY

Seneca Meadows, Inc.  
1706 Salcman Rd.  
Waterloo, NY 13165  
Ph: (315) 539-5624 Fax: (315) 539-3097

Ticket: 1455589  
Date: 10/25/2006  
Time: 09:05:13 - 09:31:37

Customer: 15LMS / L N SESSLERS EXCA

Carrier: 7020 / WECARE TRANSPORTAT  
Profile: ~~20060808~~-15LMS / 15LMS-2006080

198087

Gross: 110220LBS  
Tare: 37740LBS  
Net: 72480LBS

Origin: 116 / SENECA  
Truck: WC5756  
Comments:

Wastes & Services	Quantity
BCS01 / B/R-CONTAM SOIL	36.2400 Tons

BW10

Weighmaster: CARRIE 450047

Driver:



BW11

Please print or type  
(Form designed for use on elite (12-pitch) typewriter.)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. NY0213820630	Manifest Doc. No. BW11	2. Page 1 of 1
3. Generator's Name and Mailing Address Seneca Army Depot Activity 5786 State Rte. 96, Romulus, NY 14541				
4. Generator's Phone (607) 869-1309				
5. Transporter 1 Company Name WE CARE TRANSPORTATION		6. US EPA ID Number		A. Transporter's Phone 1315 689-1737
7. Transporter 2 Company Name		8. US EPA ID Number		B. Transporter's Phone
9. Designated Facility Name and Site Address Seneca Meadows Landfill 1786 Salzman Road Waterloo, NY 13165			10. US EPA ID Number 8-4532-00023	C. Facility's Phone 315-539-5624
11. Waste Shipping Name and Description			12. Containers	13. Total Quantity
a. NEW HAZARDOUS CONTAMINATED SOIL			No.	Type
				38.41
b.				
c.				
d.				
D. Additional Descriptions for Materials Listed Above			E. Handling Codes for Wastes Listed Above	
15. Special Handling Instructions and Additional Information WASTE APPROVAL # <del>3212</del> 060805				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name Stephen Absolon		Signature <i>Stephen Absolon</i>		Month Day Year 10 20 06
17. Transporter 1 Acknowledgement of Receipt of Materials				
Printed/Typed Name Brenda Lynn		Signature <i>Brenda Lynn</i>		Month Day Year . . .
18. Transporter 2 Acknowledgement of Receipt of Materials				
Printed/Typed Name		Signature		Month Day Year . . .
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name <i>By</i>		Signature <i>[Signature]</i>		Month Day Year 10 25 06

GENERATOR

TRANSPORTER

FACILITY

Seneca Meadows, Inc.  
1706 Salzman Rd.  
Waterloo, NY 13165  
Ph: (315) 539-5624 Fax: (315) 539-3097

Ticket: 1455694  
Date: 10/25/2006  
Time: 10:36:45 - 11:07:18

Customer: 15LMS / L M SESSLERS EXCA

Carrier: 7020 / WECARE TRANSPORTAT

Profile: 20060808-15LMS / 15LMS-20060808

Cust Ref: 190089

Gross: 113560LBS

Tare: 36740LBS

Net: 76820LBS

Origin: 116 / SENECA

Truck: WC5756

Comments:

Wastes & Services

Quantity

BW 11

BCS01 / B/R-CONTAM SOIL

38.4100 Tons

Weighmaster: CARRIE 450047

Driver:

Please print or type (Form designed for use on ellipse (12-pitch) typewriter.)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. NY0213820830	Manifest Doc. No. BW 12	2. Page 1 of 1
3. Generator's Name and Mailing Address Seneca Army Depot Activity 5786 State Rte. 95, Romulus, NY 14541				
4. Generator's Phone ( 607 ) 869-1309				
5. Transporter 1 Company Name WE CARE TRANSPORTATION	6. US EPA ID Number	A. Transporter's Phone 315) 689-1937		
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone		
9. Designated Facility Name and Site Address Seneca Meadows Landfill 1786 Salzman Road Waterloo, NY 13165	10. US EPA ID Number 8-4532-00023	C. Facility's Phone 315-539-5624		
11. Waste Shipping Name and Description		12. Containers	13. Total Quantity	14. Unit Wt/Vol
a. NON HAZARDOUS CONTAMINATED SOIL		No.	Type	37.70 TON
b.				
c.				
d.				
D. Additional Descriptions for Materials Listed Above		E. Handling Codes for Wastes Listed Above		
15. Special Handling Instructions and Additional Information WASTE APPROVAL # <del>3602</del> 06080B				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name Stephen Absolon		Signature <i>Stephen Absolon</i>		Month Day Year 10 20 06
17. Transporter 1 Acknowledgement of Receipt of Materials				
Printed/Typed Name Brad Ceylan		Signature <i>Brad Ceylan</i>		Month Day Year
18. Transporter 2 Acknowledgement of Receipt of Materials				
Printed/Typed Name		Signature		Month Day Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 10.				
Printed/Typed Name		Signature <i>[Signature]</i>		

GENERATOR

TRANSPORTER

FACILITY



Seneca Meadows, Inc.  
1706 Salcman Rd.  
Waterloo, NY 13165  
Ph: (315) 539-5624 Fax: (315) 539-3097

Customer: 15LMS / L M SELLERS EXCA

Origin: 116 / SENECA  
Truck: WC5756  
Comment:

Carrier: 7020 / WECARE TRANSPORTAT  
Profile: 20060808-15LMS / 15LMS-20060808  
Cust Ref: 197609

Gross: 111000LBS Manual  
Tare: 36480LBS  
Net: 75400LBS

Wastes & Services

B001 / B/R-CONTAM SOIL

Quantity

37.7000 Tons

BW1Z

Ticket: 1455923

Date: 10/25/2006

Time: 13:57:07 - 14:24:11

Weightmaster: LYDIA 450104

Driver:

Contaminated Soil

#17

Please print or type  
(Form designed for use on elite (12 pitch) typewriter.)

**NON-HAZARDOUS  
WASTE MANIFEST**

1. Generator's US EPA ID No.  
NY0213820330

Manifest Doc. No.  
BW13

2. Page 1  
of 1

3. Generator's Name and Mailing Address  
Seneca Army Depot Activity  
5785 State Rte. 96, Romulus, NY 14541

4. Generator's Phone (607) 869-1309

5. Transporter 1 Company Name  
WE CARE TRANSPORTATION

6. US EPA ID Number

A. Transporter's Phone  
(315) 689-1937

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address  
Seneca Meadows Landfill  
1786 Salzman Road  
Waterloo, NY 13165

10. US EPA ID Number  
8-4532-00023

C. Facility's Phone  
315-539-5624

11. Waste Shipping Name and Description

12. Containers  
No. Type

13. Total  
Quantity

14. Unit  
Wt/Vol

a. NON HAZARDOUS CONTAMINATED SOIL

34.34 TON

b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

WASTE APPROVAL # ~~060808~~  
060808

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

Printed/Typed Name

Signature

Month Day Year

Stephen Absolon

*Stephen Absolon*

11 10 06

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

*Brian Leeburn*

*[Signature]*

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year

*[Signature]*

10 25 07

GENERATOR

TRANSPORTER

FACILITY

Seneca Meadows, Inc.  
1786 Salzman Rd.  
Waterloo, NY 13165  
Ph: (315) 539-5624 Fax: (315) 539-3097

Ticket: 1455793  
Date: 10/25/2006  
Time: 12:19:50 - 12:37:53

Customer: 15LMS / L M SESSLERS EXCA

Carrier: 7020 / WECARE TRANSPORTAT

Profile: 20060808-15LMS / 15LMS-2006080

Cust Ref: 198088

Gross: 105300LBS

Tare: 36700LBS

Net: 68600LBS

Origin: 116 / SENECA

Truck: WC5756

Comments:

Wastes & Services


Quantity

BW13

BCS01 / B/R-CONTAM SOIL

34.3400 Tons

Weighmaster: RUSS 450014

Driver: 

Please print or type  
(Form designed for use on site (12-pitch) typewriter.)

**NON-HAZARDOUS  
WASTE MANIFEST**

1. Generator's US EPA ID No.  
NY0213820830

Manifest Doc. No.  
BW14

2. Page 1  
of 1

3. Generator's Name and Mailing Address  
Seneca Army Depot Activity  
5786 State Rte. 96, Romulus, NY 14541  
4. Generator's Phone ( 607 ) 869-1309

5. Transporter 1 Company Name  
WE CARE TRANSPORTATION

6. US EPA ID Number

A. Transporter's Phone  
(315) 689-1937

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address  
Seneca Meadows Landfill  
1786 Salzman Road  
Waterloo, NY 13165

10. US EPA ID Number  
8-4532-00023

C. Facility's Phone  
315-539-5624

11. Waste Shipping Name and Description

12. Containers  
No. Type

13. Total  
Quantity

14. Unit  
Wt/Vol

a. NON HAZARDOUS CONTAMINATED SOIL

36.66 TON

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information  
WASTE APPROVAL # ~~3062~~  
06080B

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

Printed/Typed Name

Signature

Month Day Year

Stephen Absolon

*Stephen Absolon*

10 20 06

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

Jim Caley

*Jim Caley*

11 01 25 10 6

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year

10 25 10

GENERATOR

TRANSPORTER

FACILITY



Seneca Meadows, Inc.  
1786 Salzman Rd.  
Waterloo, NY 13165  
Ph: (315) 539-5624 Fax: (315) 539-3097

Customer: 15LHS / L M SESOLERS EXCA  
Origin: 116 / SENECA  
Truck: WC3710  
Comment:

Ticket: 1455600  
Date: 10/25/2006  
Time: 09:31:26 - 09:56:20  
Carrier: 7000 / WEDAKE TRANSPORTAT  
Profile: 2006000B-15LHS / 15LHS-2006000  
Gross: 111700.00  
Tare: 36380.00  
Net: 75320.00

Wastes & Services  
BCS01 / B/R-CONTAM SOIL  
Quantity  
36.6600 Tons  
BW / 4

Weighmaster: CARRIE 450047

Driver:

*Jim Colby*

#19

BW15

Please print or type  
(Form designed for use on elite (12-pitch) typewriter.)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. NY0213820830	Manifest Doc. No. BW15	2. Page 1 of 1
3. Generator's Name and Mailing Address Seneca Army Depot Activity 5786 State Rte. 96, Romulus, NY 14541		#147419		
4. Generator's Phone ( 607 ) 869-1309				
5. Transporter 1 Company Name WIE CARE TRANSPORTATION	6. US EPA ID Number	A. Transporter's Phone (315) 689-1937		
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone		
9. Designated Facility Name and Site Address Seneca Meadows Landfill 1786 Salmon Road Waterloo, NY 13165	10. US EPA ID Number 8-4532-00023	C. Facility's Phone 315-539-5624		
11. Waste Shipping Name and Description		12. Containers		13. Total Quantity
a.		No.	Type	14. Unit Wt/Vol
NON HAZARDOUS CONTAMINATED SOIL				32.51
b. # 1455927				170
c.				
d.				
D. Additional Descriptions for Materials Listed Above		E. Handling Codes for Wastes Listed Above		
15. Special Handling Instructions and Additional Information WASTE APPROVAL # <del>3052</del> 060808				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name Stephen Absolon		Signature [Signature]		Month Day Year 10 20 06
17. Transporter 1 Acknowledgement of Receipt of Materials				
Printed/Typed Name Patty Gilfus # 6936/D618		Signature [Signature]		Month Day Year 10 25 06
18. Transporter 2 Acknowledgement of Receipt of Materials				
Printed/Typed Name		Signature		Month Day Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name		Signature [Signature]		Month Day Year 10 25 06

GENERATOR

TRANSPORTER

FACILITY



TO REORDER CALL 1-800-927-6868

Seneca Meadows, Inc.  
1786 Salzman Rd.  
Watertown, NY 13165  
Ph: (315) 539-5624 Fax: (315) 539-3097

Customer: 15LMS / L M SESSLERS EXCA

Origin: 116 / SENECA  
Truck: WC6936  
Comment:

Ticket: 1455927  
Date: 10/25/2006  
Time: 13:49:27 - 14:20:23

Carrier: 7020 / WEGARE TRANSPORTAT  
Profile: 20060808-15LMS / 15LMS-2006000  
Cust Ref: 197499

Gross: 36000LBS  
Tare: 30980LBS  
Net: 65020LBS

Wastes & Services

PC501 / B/R-CONTAM SOIL

Quantity

32.5100 Tons

EWS

Weightmaster: LYDIA 450104

Driver:

#2

Please print or type  
(Form designed for use on allie (12-pitch) typewriter.)

<b>NON-HAZARDOUS WASTE MANIFEST</b>	1. Generator's US EPA ID No. NY0213820830	Manifest Doc. No. BW 20	2. Page 1 of 1
-----------------------------------------	----------------------------------------------	----------------------------	-------------------

3. Generator's Name and Mailing Address Seneca Army Depot Activity 5786 State Rte. 96, Romulus, NY 14541
4. Generator's Phone ( 607 ) 869-1309

5. Transporter 1 Company Name WE CARE TRANSPORTATION	6. US EPA ID Number	A. Transporter's Phone 315 681-1937
---------------------------------------------------------	---------------------	----------------------------------------

7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
-------------------------------	---------------------	------------------------

9. Designated Facility Name and Site Address Seneca Meadows Landfill 1786 Saloran Road Waterloo, NY 13165	10. US EPA ID Number 8-4532-00023	C. Facility's Phone 315-539-5624
--------------------------------------------------------------------------------------------------------------------	--------------------------------------	-------------------------------------

11. Waste Shipping Name and Description	12. Containers		13. Total Quantity	14. Unit Wt/Vol
	No.	Type		
a. NON HAZARDOUS CONTAMINATED SOIL			3552	Tons
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above	E. Handling Codes for Wastes Listed Above
-------------------------------------------------------	-------------------------------------------

15. Special Handling Instructions and Additional Information WASTE APPROVAL # <del>3062</del> 06080B
------------------------------------------------------------------------------------------------------------

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

Printed/Typed Name Stephen Absolon	Signature <i>Stephen Absolon</i>	Month Day Year 10 20 06
---------------------------------------	-------------------------------------	----------------------------

17. Transporter 1 Acknowledgement of Receipt of Materials		
Printed/Typed Name Brad Leysen	Signature <i>Brad Leysen</i>	Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials		
Printed/Typed Name	Signature	Month Day Year

19. Discrepancy Indication Space
----------------------------------

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.		
Printed/Typed Name By	Signature <i>By</i>	Month Day Year 10 20 06

GENERATOR  
TRANSPORTER  
FACILITY

Seneca Meadows, Inc.  
1786 Salcman Rd.  
Waterloo, NY 13165  
Ph: (315) 539-5624 Fax: (315) 539-3097

Ticket: 1455504  
Date: 10/25/2006  
Time: 07:33:25 - 07:54:44

Customer: 15LMS / L M SESSLERS EXCA

Carrier: 7020 / WECARE TRANSPORTAT

Profile: 20060808-15LMS / 15LMS-20060808

Cust Ref: 197526

Gross: 108320LBS

Tare: 37280LBS

Net: 71040LBS

Origin: 116 / SENECA

Truck: WC5756

Comment:

Wastes & Services

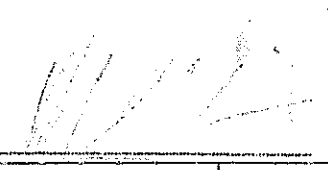
Quantity

BW 20

BCS01 / B/R-CONTAN SOIL

35.5200 Tons

Weighmaster: CARRIE 450047

Driver: 

Please print or type  
(Form designed for use on elite (12-pitch) typewriter.)

**NON-HAZARDOUS  
WASTE MANIFEST**

1. Generator's US EPA ID No.

NY0213920830

Manifest Doc. No.

BW 21

2. Page 1

of 1

3. Generator's Name and Mailing Address

Seneca Army Depot Activity  
5786 State Rte. 96, Romulus, NY 14541

4. Generator's Phone

(607) 869-1309

5. Transporter 1 Company Name

WIC CARE TRANSPORTATION

6.

US EPA ID Number

A. Transporter's Phone

(315) 681-1937

7. Transporter 2 Company Name

8.

US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

Seneca Meadows Landfill  
1786 Salzman Road  
Waterloo, NY 13165

10.

US EPA ID Number

C. Facility's Phone

8-4532-0022

315-536-5624

11. Waste Shipping Name and Description

a. NON HAZARDOUS CONTAMINATED SOIL

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

WASTE APPROVAL # ~~3002~~  
060805

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

Printed/Typed Name

Signature

Month Day Year

Stephen Absolon

*Stephen Absolon*

10 20 06

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

*[Signature]*

10 25 06

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year

*[Signature]*

10 25 06

GENERATOR

TRANSPORTER

FACILITY

#22

Seneca Meadows, Inc.  
1786 Salzman Rd.  
Waterloo, NY 13165  
Ph: (315) 539-5624 Fax: (315) 539-3097

Ticket: 1458576  
Date: 10/25/2006  
Time: 08:02:46 - 09:11:45

Customer: 15LMS / L M SESSLERS EXCA

Carrier: 7020 / WECARE TRANSPORTAT

Profile: 20060800-15LMS / 15LMS-20060800

Cust Ref: 205332

Gross: 110260LBS

Tare: 37200LBS

Net: 72980LBS

Origin: 116 / SENECA

Truck: WC5757

Comment:

Wastes & Services

Quantity

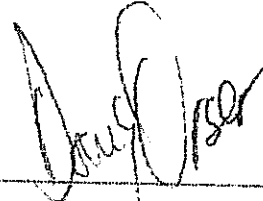
Bw 21

BCS01 / B/R-CONTAM SOIL

36.4900 Tons

Weighmaster: CARRIE 450047

Driver:



Please print or type  
(Form designed for use on elite (12-pitch) typewriter.)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. NY0213820330	Manifest Doc. No. BW24	2. Page 1 of 1
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3. Generator's Name and Mailing Address Seneca Army Depot Activity 5785 State Rte. 95, Romulus, NY 14541	
4. Generator's Phone ( 607 ) 869-1309	

5. Transporter 1 Company Name ONE CARE TRANSPORTATION	6. US EPA ID Number	A. Transporter's Phone (315) 689-1937
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone

9. Designated Facility Name and Site Address Seneca Meadows Landfill 1786 Saloran Road Waterloo, NY 13165		10. US EPA ID Number 8-4532-00023	C. Facility's Phone 315-539-5624
--------------------------------------------------------------------------------------------------------------------	--	--------------------------------------	-------------------------------------

11. Waste Shipping Name and Description	12. Containers		13. Total Quantity	14. Unit Wt/Vol
	No.	Type		
a. NON HAZARDOUS CONTAMINATED SOIL			36.71	Ton
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above	E. Handling Codes for Wastes Listed Above
-------------------------------------------------------	-------------------------------------------

15. Special Handling Instructions and Additional Information  
WASTE APPROVAL # ~~3002~~  
060808

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

Printed/Typed Name Stephen Absolon	Signature <i>Stephen Absolon</i>	Month Day Year 10 20 06
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17. Transporter 1 Acknowledgement of Receipt of Materials	Printed/Typed Name	Signature <i>Doug Voser</i>	Month Day Year 10 20 06
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18. Transporter 2 Acknowledgement of Receipt of Materials	Printed/Typed Name	Signature	Month Day Year
-----------------------------------------------------------	--------------------	-----------	----------------

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.		
Printed/Typed Name	Signature <i>[Signature]</i>	Month Day Year 10 25 06

GENERATOR

TRANSPORTER

FACILITY



Seneca Meadows, Inc.  
786 Saleman Rd.  
Waterloo, NY 13165  
Ph: (315) 539-5624 Fax: (315) 539-3097

Ticket: 1455609  
Date: 10/25/2006  
Time: 10:22:05 - 11:03:51

Customer: 15LMS / L W SESSLERS EXCA

Carrier: 7020 / WECARE TRANSPORTAT  
Profile: 20060000B-15LMS / 15LMS-20060000

Origin: 116 / SENECA  
Truck: WC5757  
Comment:

198016

Gross: 110620LBS  
Tare: 37200LBS  
Net: 73420LBS

Wastes & Services	Quantity	BW 24
BCS01 / B/R-CONTAM SOIL	36.7100 Tons	

Weighmaster: CARRIE 450047

Driver: *[Signature]*

Please print or type  
(Form designed for use on alpha (12-pitch) typewriter.)

**NON-HAZARDOUS  
WASTE MANIFEST**

1. Generator's US EPA ID No.  
NY0213820830

Manifest Doc. No.  
BWZS

2. Page 1  
of 1

3. Generator's Name and Mailing Address  
Seneca Army Depot Activity  
5786 State Rte. 96, Romulus, NY 14541  
4. Generator's Phone ( 607 ) 859-1309

5. Transporter 1 Company Name  
WE CARE TRANSPORTATION

6. US EPA ID Number

A. Transporter's Phone  
(315) 689-1937

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address  
Seneca Meadows Landfill  
1786 Saloman Road  
Waterloo, NY 13165

10. US EPA ID Number

B-4532-00023

C. Facility's Phone

315-539-5624

11. Waste Shipping Name and Description

12. Containers  
No. Type

13. Total  
Quantity

14. Unit  
Wt/Vol

a. NON HAZARDOUS CONTAMINATED SOIL

34.85 Tons

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

WASTE APPROVAL # 3062  
060803

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

Printed/Typed Name  
Stephen Absolon

Signature  
SM Absolon

Month Day Year  
10 20 06

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

By: [Signature]

Signature

[Signature]

Month Day Year  
11 9 04

GENERATOR  
FACILITY



Please print or type  
(Form designed for use on elite (12-pitch) typewriter.)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. NY0213820830	Manifest Doc. No. SW 26	2. Page 1 of 1
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3. Generator's Name and Mailing Address Seneca Army Depot Activity 5786 State Rte. 96, Romulus, NY 14541				
4. Generator's Phone ( 607 ) 869-1309				

5. Transporter 1 Company Name WE CARE TRANSPORTATION	6. US EPA ID Number	A. Transporter's Phone (315) 689-1937
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone

9. Designated Facility Name and Site Address Seneca Meadows Landfill 1786 Salzman Road Waterloo, NY 13165		10. US EPA ID Number 8-4532-00023	C. Facility's Phone 315-539-5624
--------------------------------------------------------------------------------------------------------------------	--	--------------------------------------	-------------------------------------

11. Waste Shipping Name and Description	12. Containers		13. Total Quantity	14. Unit Wt/Vol
	No.	Type		
a. NON HAZARDOUS CONTAMINATED SOIL			36.58	Tons
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above	E. Handling Codes for Wastes Listed Above
-------------------------------------------------------	-------------------------------------------

15. Special Handling Instructions and Additional Information  
WASTE APPROVAL # ~~3000~~  
060805

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

Printed/Typed Name Stephen Absolon	Signature <i>SM Absolon</i>	Month Day Year 10 20 06
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17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
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18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
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19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature <i>[Signature]</i>	Month Day Year 10 20 06
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GENERATOR TRANSPORTER FACILITY

Seneca Meadows, Inc.  
1786 Salcman Rd.  
Waterloo, NY 13165  
Ph: (315) 539-5624 Fax: (315) 539-3097

Ticket: 1455938  
Date: 10/25/2006  
Time: 14:01:48 - 14:36:50

Customer: 15LMS / L M SESSLERS EXCA

Carrier: 7020 / WECARE TRANSPORTAT  
Profile: 20060808-15LMS / 15LMS-2006080

Origin: 116 / SENECA  
Truck: WC5757  
Comment:

Cust Ref: 198079

Gross: 109840LBS  
Tare: 36680LBS  
Net: 73160LBS

Wastes & Services

Quantity

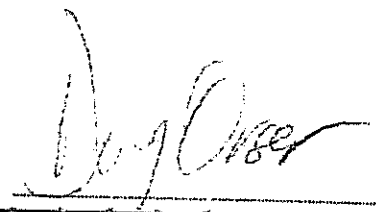
BW 26

BCS01 / B/R-CONTAM SOIL

36.5800 Tons

Weighmaster: LYDIA 450104

Driver:



Please print or type  
(Form designed for use on a 12 pitch typewriter)

**NON-HAZARDOUS  
WASTE MANIFEST**

1. Generator's US EPA ID No.  
NY0213820830

Manifest Doc. No.  
BN 28

2. Page 1  
of 1

3. Generator's Name and Mailing Address  
Seneca Army Depot Activity  
5786 State Rte. 96, Romulus, NY 14541

4. Generator's Phone ( 607 ) 869-1309

5. Transporter 1 Company Name  
WE CARE TRANSPORTATION

6. US EPA ID Number

A. Transporter's Phone  
(315) 689-1937

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address  
Seneca Meadows Landfill  
1786 Saloran Road  
Watertown, NY 13165

10. US EPA ID Number

8-4532-00023

C. Facility's Phone

315-539-5624

11. Waste Shipping Name and Description

12. Containers

13. Total Quantity

14. Unit Wt/Vol

a. NON HAZARDOUS CONTAMINATED SOIL

No.

Type

38.52

TON

No.	Type	Total Quantity	Unit Wt/Vol
a.		38.52	TON
b.			
c.			
d.			

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

WASTE APPROVAL # ~~3052~~  
060808

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

Printed/Typed Name

Stephen Absolom

Signature

*Stephen Absolom*

Month Day Year

10 | 20 | 06

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Jim Caley

Signature

*Jim Caley*

Month Day Year

10 | 25 | 06

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

*[Signature]*

Month Day Year

10 | 25 | 06

GENERATOR

TRANSPORTER

FACILITY



Seneca Meadows, Inc.  
1786 Salzman Rd.  
Watertown, NY 13165  
Ph: (315) 539-5624 Fax: (315) 539-3097

Customer: 15LMS / L M SESSLERS EXCA

Origin: 116 / SENEGA  
Truck: WC3710

Comments:

Wastes & Services

PC801 / B/R-CONTAM SOIL

Ticket: 1455530  
Date: 10/25/2006  
Time: 07:45:33 - 08:24

Carrier: 7020 / MECARE TRANSPORTAT  
Profile: 20060007-15LMS / 15LMS-2006000

Gross: 113060LBS  
Tare: 36820LBS  
Net: 77040LBS

Cust Ref: 190081

Quantity

38.5200

Tons

BW 28

Weightmaster: CARRIE 450047

Driver:

*Jim Colby*

#26

Please print or type  
(Form designed for use on 8 1/2 inch typewriter.)

**NON-HAZARDOUS  
WASTE MANIFEST**

1. Generator's US EPA ID No.  
NY0213820830

Manifest Doc. No. 2. Page 1  
BW 29 of 1

3. Generator's Name and Mailing Address  
Seneca Army Depot Activity  
5786 State Rte. 96, Romulus, NY 14541

4. Generator's Phone ( 607 ) 869-1309

5. Transporter 1 Company Name  
WE CARE TRANSPORTATION

6. US EPA ID Number

A. Transporter's Phone  
(315) 689-1937

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address

Seneca Meadows Landfill  
1786 Saloran Road  
Waterloo, NY 13165

10. US EPA ID Number

8-4532-00023

C. Facility's Phone

315-530-5624

11. Waste Shipping Name and Description

a. NON HAZARDOUS CONTAMINATED SOIL

12. Containers  
No. Type 13. Total Quantity 14. Unit Wt/Vol

37.17 TON

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

WASTE APPROVAL # ~~5555~~  
060808

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

Printed/Typed Name

Signature

Month Day Year

Stephen Absolon

*Stephen Absolon*

10 20 06

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

DOANE McNeill

*Doane McNeill*

10 25 06

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year

GENERATOR

TRANSPORTER

FACILITY

Seneca Meadows, Inc.  
1786 Salcman Rd.  
Waterloo, NY 13165  
Ph: (315) 539-5624 Fax: (315) 539-3097

Ticket: 1455974  
Date: 10/25/2006  
Time: 14:30:07 - 15:02:00

Customer: 15LMS / L M SESSLERS EXCA

Carrier: 7020 / WECARE TRANSPORTAT

Profile: 20060000-15LMS / 15LMS-20060000

Cust Ref: 197503

Gross: 107900LBS

Tare: 33560LBS

Net: 74340LBS

Origin: 116 / SENECA

Truck: WC6934

Comment:

Wastes & Services

Quantity

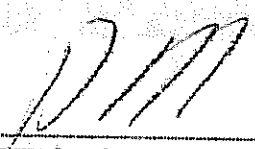
17

37  
BW29

BCS01 / B/R-CONTAM SOIL

37.1700 Tons

Weighmaster: LYDIA 450104

Driver: 

Please print or type  
(Form designed for use on elite (12-pitch) typewriter.)

BW16 B

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. NY0213820830	Manifest Doc. No. BW16	2. Page 1 of 1
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3. Generator's Name and Mailing Address Seneca Army Depot Activity 5786 State Rte. 96, Romulus, NY 14541		
4. Generator's Phone ( 607 ) 869-1309		
5. Transporter 1 Company Name WE CARE TRANSPORTATION	6. US EPA ID Number	A. Transporter's Phone (315) 689-1737
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
9. Designated Facility Name and Site Address Seneca Meadows Landfill 1786 Saloman Road Watertown, NY 13165		10. US EPA ID Number R-4532-00023
		C. Facility's Phone 315-530-5624

11. Waste Shipping Name and Description	12. Containers		13. Total Quantity	14. Unit Wt/Vol
	No.	Type		
a. <i>NON HAZARDOUS CONTAMINATED SOIL</i>			40.53	Tons
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above	E. Handling Codes for Wastes Listed Above
-------------------------------------------------------	-------------------------------------------

15. Special Handling Instructions and Additional Information  
*WASTE APPROVAL # 3062  
 06-20-06*

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

Printed/Typed Name <i>Stephen Absolon</i>	Signature <i>SM Absolon</i>	Month Day Year 10   20   06
Printed/Typed Name	Signature <i>[Signature]</i>	Month Day Year 10   26   06
Printed/Typed Name	Signature	Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature <i>[Signature]</i>	Month Day Year 10   26   06
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GENERATOR  
TRANSPORTER  
FACILITY

Seneca Meadows, Inc.  
1786 Salzman Rd.  
Waterloo, NY 13165  
Ph: (315) 539-5624 Fax: (315) 539-3097

Ticket: 1456458  
Date: 10/26/2006  
Time: 12:07:54 - 12:35:38

Customer: 15LMS / L M SESSLERS EXCA

Carrier: 7020 / WECARE TRANSPORTAT

Profile: 20060808-15LMS / 15LMS-2006080

Cust Ref: 198095

Gross: 117920LBS

Tare: 36860LBS

Net: 81060LBS

Origin: 116 / SENECA

Truck: WCS757

Comment:

Wastes & Services

Quantity

Bw 16

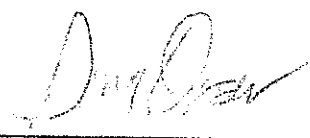
B

BCS01 / B/R-CONTAM SOIL

40.5300 Tons

Weighmaster: LYDIA 450104

Driver:



*Contaminated Soil*

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Please print or type  
(Form designed for use on elite (12-pitch) typewriter.)

**NON-HAZARDOUS  
WASTE MANIFEST**

1. Generator's US EPA ID No. NY0213820830	Manifest Doc. No. B.W. 2.3	2. Page 1 of 1
----------------------------------------------	-------------------------------	-------------------

3. Generator's Name and Mailing Address Seneca Army Depot Activity 5786 State Rte. 96, Romulus, NY 14541	4. Generator's Phone ( 607 ) 869-1309
----------------------------------------------------------------------------------------------------------------	---------------------------------------

5. Transporter 1 Company Name WE CARE TRANSPORTATION	6. US EPA ID Number	A. Transporter's Phone (315) 689-1937
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone

9. Designated Facility Name and Site Address Seneca Meadows Landfill 1786 Salzman Road Waterloo, NY 13165	10. US EPA ID Number 8-4532-00023	C. Facility's Phone 315-539-5624
--------------------------------------------------------------------------------------------------------------------	--------------------------------------	-------------------------------------

11. Waste Shipping Name and Description	12. Containers		13. Total Quantity	14. Unit Wt/Vol
	No.	Type		
a. NON HAZARDOUS CONTAMINATED SOIL			40.28	TON
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above	E. Handling Codes for Wastes Listed Above
-------------------------------------------------------	-------------------------------------------

15. Special Handling Instructions and Additional Information  
WASTE APPROVAL # ~~3062~~  
060808

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

Printed/Typed Name Stephen Absolon	Signature <i>[Signature]</i>	Month Day Year 10 20 06
---------------------------------------	---------------------------------	----------------------------

17. Transporter 1 Acknowledgement of Receipt of Materials	Printed/Typed Name	Signature <i>[Signature]</i>	Month Day Year 10 20 06
-----------------------------------------------------------	--------------------	---------------------------------	----------------------------

18. Transporter 2 Acknowledgement of Receipt of Materials	Printed/Typed Name	Signature	Month Day Year
-----------------------------------------------------------	--------------------	-----------	----------------

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.	Printed/Typed Name	Signature <i>[Signature]</i>	Month Day Year 10 20 06
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GENERATOR  
TRANSPORTER  
FACILITY



Seneca Meadows, Inc.  
16 Salzman Rd.  
Perth Amboy, NY 13165  
(315) 539-5624 Fax: (315) 539-3097

Ticket: 1456358  
Date: 10/26/2006  
Time: 10:42:29 - 11:01:00

Customer: 15LMS / L M SESSLERS EXCA

Carrier: 7020 / WECARE TRANSPORTAT  
Profile: 2006080B-15LMS / 15LMS-2006080  
Cust Ref: 198078

Gross: 117320LBS  
Tare: 36760LBS  
Net: 80560LBS

Origin: 116 / SENECA  
Truck: WC5757  
Equipment:

Wastes & Services

Quantity

BW 23

Waste: 15LMS - R-CONTAM SOIL

From: 40.2800 Tons

Shipped:

Street:

City: *Romulus*

DESCRIPTION

Driver: *[Signature]*

EIGHT  
(to change)

Please print or type  
(Form designed for use on elite (12-pitch) typewriter.)

**NON-HAZARDOUS  
WASTE MANIFEST**

1. Generator's US EPA ID No. NY0213820830	Manifest Doc. No. BWL 27	2. Page 1 of 1
----------------------------------------------	-----------------------------	-------------------

3. Generator's Name and Mailing Address Seneca Army Depot Activity 5786 State Rte. 96, Romulus, NY 14541		
4. Generator's Phone ( 607 ) 869-1309		
5. Transporter 1 Company Name WECARRE TRANSPORTATION	6. US EPA ID Number	A. Transporter's Phone (315) 689-1137
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
9. Designated Facility Name and Site Address Seneca Meadows Landfill 1786 Salzman Road Waterloo, NY 13165		10. US EPA ID Number 8-4532-00023
		C. Facility's Phone 315-539-5624

11. Waste Shipping Name and Description	12. Containers		13. Total Quantity	14. Unit Wt/Vol
	No.	Type		
a. NON HAZARDOUS CONTAMINATED SOIL			38.74	Ton
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above	E. Handling Codes for Wastes Listed Above
-------------------------------------------------------	-------------------------------------------

15. Special Handling Instructions and Additional Information  
WASTE APPROVAL # ~~3762~~  
060803

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

Printed/Typed Name Stephen Absolon	Signature <i>Stephen Absolon</i>	Month Day Year 10 20 06
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name	Signature <i>Doug Criser</i>	Month Day Year
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name	Signature	Month Day Year 10 Add

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in item 19.		
Printed/Typed Name	Signature <i>Buy</i>	Month Day Year 10 20 06

GENERATOR

TRANSPORTER

FACILITY

#30

Seneca Meadows, Inc.  
1786 Salcman Rd.  
Waterloo, NY 13165  
Ph: (315) 539-5624 Fax: (315) 539-3097

Ticket: 1456258  
Date: 10/26/2006  
Time: 07:44:05 - 09:30:08

Customer: 15LMS / L M SESSLERS EXCA

Carrier: 7020 / WECARE TRANSPORTAT  
Profile: 20060808-15LMS / 15LMS-2006080

Cust Ref: 199077

Gross: 114220LBS  
Tare: 36740LBS  
Net: 77480LBS

Origin: 116 / SENECA

Truck: WC5757

Comment:

Wastes & Services

Quantity

BW 27

BC501 / B/R-CONTAM SOIL

38.7400 Tons

Weighmaster: CARRIE 450047

Driver:

*Doug [Signature]*

Please print or type  
(Form designed for use on elite (12-pitch) typewriter.)

<b>NON-HAZARDOUS WASTE MANIFEST</b>	1. Generator's US EPA ID No. NY0213820830	Manifest Doc. No. BW 30	2. Page 1 of 1
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3. Generator's Name and Mailing Address Seneca Army Depot Activity 5786 State Rte. 96, Romulus, NY 14541	4. Generator's Phone ( 607 ) 859-1309
----------------------------------------------------------------------------------------------------------------	---------------------------------------

5. Transporter 1 Company Name WE CANE TRANSPORTATION	6. US EPA ID Number	A. Transporter's Phone 1315 689-1737
---------------------------------------------------------	---------------------	-----------------------------------------

7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone
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9. Designated Facility Name and Site Address Seneca Meadows Landfill 1786 Salzman Road Waterloo, NY 13165	10. US EPA ID Number 8-4532-00023	C. Facility's Phone 315-539-5624
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11. Waste Shipping Name and Description	12. Containers		13. Total Quantity	14. Unit Wt/Vol
	No.	Type		
a. <i>ARISE HAZARDOUS CONTAMINATED SOIL</i>			<i>39.05</i>	<i>Ton</i>
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above	E. Handling Codes for Wastes Listed Above
-------------------------------------------------------	-------------------------------------------

15. Special Handling Instructions and Additional Information <i>WASTE APPROVAL # 3052 060808</i>
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16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name <i>Stephen Absolon</i>	Signature <i>[Signature]</i>	Month <i>10</i>	Day <i>20</i>	Year <i>08</i>
----------------------------------------------	---------------------------------	--------------------	------------------	-------------------

17. Transporter 1 Acknowledgement of Receipt of Materials				
Printed/Typed Name	Signature <i>[Signature]</i>	Month <i>12</i>	Day <i>16</i>	Year <i>08</i>

18. Transporter 2 Acknowledgement of Receipt of Materials				
Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space
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20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name	Signature <i>[Signature]</i>	Month <i>11</i>	Day <i>17</i>	Year <i>08</i>

GENERATOR

TRANSPORTER

FACILITY

Seneca Meadows, Inc.  
1786 Salcman Rd.  
Waterloo, NY 13165  
Ph: (315) 539-5624 Fax: (315) 539-3097

Ticket: 1456580  
Date: 10/26/2006  
Time: 13:57:06 - 14:22:21

Customer: 15LMS / L M SESSLERS EXCA

Carrier: 7020 / WECARE TRANSPORTAT

Profile: 20060808-15LMS / 15LMS-2006080

Cust Ref: 198094

Origin: 116 / SENECA  
Truck: WC5757  
Comment:

Gross: 114800LBS  
Tare: 36700LBS  
Net: 78100LBS

Wastes & Services

Quantity

BW30

BCS01 / B/R-CONTAM SOIL

39.0500 Tons

Weighmaster: CARRIE 450047

Driver: 

Please print or type  
(Form designed for use on elite (12-pitch) typewriter.)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. NY0213820830	Manifest Doc. No. B.W. 31.	2. Page 1 of 1
3. Generator's Name and Mailing Address Seneca Army Depot Activity 5786 State Rte. 96, Romulus, NY 14541		4. Generator's Phone 607 869-1309		
5. Transporter 1 Company Name VICTORY TRANSPORTATION DIV	6. US EPA ID Number	A. Transporter's Phone (315) 689-1937		
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone		
9. Designated Facility Name and Site Address Seneca Meadows Landfill 1786 Salomon Road Watertown, NY 13165		10. US EPA ID Number 18-4532-00023	C. Facility's Phone 315-539-5624	
11. Waste Shipping Name and Description		12. Containers	13. Total Quantity	14. Unit Wt/Vol
a. NON HAZARDOUS CONTAMINATED SOIL		No.	Type	3372 Tons
b.				
c.				
d.				
D. Additional Descriptions for Materials Listed Above		E. Handling Codes for Wastes Listed Above		
15. Special Handling Instructions and Additional Information WASTE APPROVAL # 3652 060800				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name Stephen Absolon		Signature <i>Stephen Absolon</i>		Month Day Year 10 20 00
17. Transporter 1 Acknowledgement of Receipt of Materials				
Printed/Typed Name		Signature <i>[Signature]</i>		Month Day Year
18. Transporter 2 Acknowledgement of Receipt of Materials				
Printed/Typed Name		Signature		Month Day Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in item 19.				
Printed/Typed Name		Signature <i>[Signature]</i>		Month Day Year 10 20 00

GENERATOR

TRANSPORTER

FACILITY



#32

Seneca Meadows, Inc.  
1786 Salcman Rd.  
Waterloo, NY 13165  
Ph: (315) 539-5624 Fax: (315) 539-3097

Ticket: 1456649  
Date: 10/26/2006  
Time: 14:34:01 - 15:20:06

Customer: 15LMS / L M SESSLERS EXCA

Carrier: 7020 / WECARE TRANSPORTAT  
Profile: 2006080B-15LMS / 15LMS-2006080  
Cust Ref: 198093

Gross: 104020LBS  
Tare: 36580LBS  
Net: 67440LBS

Origin: 116 / SENECA  
Truck: WC4372  
Comment:

Wastes & Services

Quantity

Bw31

BCS01 / B/R-CONTAM SOIL

33.7200 Tons

Weighmaster: RUSS 450014

Driver: 

Please print or type  
(Form designed for use on elite (12-pitch) typewriter.)

### NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NY0213820830	Manifest Doc. No. BW 32	2. Page 1 of 1
----------------------------------------------	----------------------------	-------------------

3. Generator's Name and Mailing Address Seneca Army Depot Activity 5786 State Rte. 96, Romulus, NY 14541	
4. Generator's Phone ( 607 ) 869-1309	
5. Transporter 1 Company Name WE CARE TRANSPORTATION	6. US EPA ID Number
7. Transporter 2 Company Name	8. US EPA ID Number
9. Designated Facility Name and Site Address Seneca Meadows Landfill 1786 Salmon Road Waterloo, NY 13165	10. US EPA ID Number 8-4532-00023
A. Transporter's Phone (315) 689-1937	
B. Transporter's Phone	
C. Facility's Phone 315-539-5624	

11. Waste Shipping Name and Description	12. Containers		13. Total Quantity	14. Unit Wt/Vol
	No.	Type		
a. NON HAZARDOUS CONTAMINATED SOIL			40.19	Tch
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above	E. Handling Codes for Wastes Listed Above
-------------------------------------------------------	-------------------------------------------

15. Special Handling Instructions and Additional Information  
WASTE APPROVAL # ~~3002~~  
060800

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

Printed/Typed Name Stephen Absolon	Signature <i>Stephen Absolon</i>	Month Day Year 10 20 06
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17. Transporter 1 Acknowledgement of Receipt of Materials	Signature <i>[Signature]</i>	Month Day Year .
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18. Transporter 2 Acknowledgement of Receipt of Materials	Signature	Month Day Year .
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19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.		
Printed/Typed Name	Signature <i>[Signature]</i>	Month Day Year 10 26 06

GENERATOR

TRANSPORTER

FACILITY

Seneca Meadows, Inc.  
1786 Salcman Rd.  
Waterloo, NY 13165  
Ph: (315) 539-5624 Fax: (315) 539-3097

Ticket: 1456289  
Date: 10/26/2006  
Time: 08:55:53 - 09:49:48

Customer: 15LMS / L M SESSLERS EXCA

Carrier: 7020 / WECARE TRANSPORTAT

Profile: 20060808-15LMS / 15LMS-2006080

Cust Ref: 198106

Gross: 116440LBS

Tare: 36060LBS

Net: 80380LBS

Origin: 116 / SENECA

Truck: WCS756

Comment:

Wastes & Services	Quantity	
BCS01 / B/R-CONTAM SOIL	40.1900	Tons

BW 32

Weighmaster: CARRIE 450047

Driver: 

Please print or type  
(Form designed for use on elite (12-pitch) typewriter.)

**NON-HAZARDOUS  
WASTE MANIFEST**

1. Generator's US EPA ID No.  
NY0213820830

Manifest Doc. No. 2. Page 1  
BV 33 of 1

3. Generator's Name and Mailing Address  
Seneca Army Depot Activity  
5786 State Rte. 96, Romulus, NY 14541  
4. Generator's Phone ( 607 ) 869-1309

5. Transporter 1 Company Name  
WIE CRANE TRANSPORTATION

6. US EPA ID Number

A. Transporter's Phone  
(315) 689-1937

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address  
Seneca Meadows Landfill  
1786 Salzman Road  
Waterloo, NY 13165

10. US EPA ID Number  
8-4532-00023

C. Facility's Phone  
315-539-5624

11. Waste Shipping Name and Description

12. Containers  
No. Type  
13. Total Quantity  
14. Unit Wt/Vol

a. NON HAZARDOUS CONTAMINATED SOIL

38.55 Tons

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information  
WASTE APPROVAL # ~~3012~~  
060808

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

Printed/Typed Name  
Stephen Absolon

Signature  
[Signature]

Month Day Year  
10 20 06

17. Transporter 1 Acknowledgement of Receipt of Materials  
Printed/Typed Name  
Bond [Signature]

Signature  
[Signature]

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials  
Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature  
[Signature]

Month Day Year

GENERATOR

TRANSPORTER

FACILITY

#34

Ma Meadows, Inc.  
Salcman Rd.  
Ioo, NY 13165  
(315) 539-5624 Fax: (315) 539-3097

Ticket: 1456139  
Date: 10/26/2006  
Time: 07:35:24 - 07:49:27

mer: 15LMS / L M SESSLERS EXCA

Carrier: 7020 / WECARE TRANSPORTAT  
Profile: 20060808-15LMS / 15LMS-2006080  
Cust Ref: 198105

Gross: 113520LBS  
Tare: 36420LBS  
Net: 77100LBS

gin: 116 / SENECA  
ck: WC5756  
nt:

ites & Services

Quantity

Bw33

01 / B/R-CONTAM SOIL

38.5500 Tons

aster: CARRIE 450047

Driver:



1716-1

Please print or type  
(Form designed for use on elite (12-pitch) typewriter.)

**NON-HAZARDOUS  
WASTE MANIFEST**

1. Generator's US EPA ID No.  
NY0213820830

Manifest Doc. No.  
BW 34

2. Page 1  
of 1

3. Generator's Name and Mailing Address  
Seneca Army Depot Activity  
5786 State Rte. 96, Romulus, NY 14541  
4. Generator's Phone (607) 869-1309

5. Transporter 1 Company Name  
WE SAKI TRANSPORTATION

6. US EPA ID Number

A. Transporter's Phone  
(315) 689-1937

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address  
Seneca Meadows Landfill  
1786 Salaman Road  
Waterloo, NY 13165

10. US EPA ID Number  
B-4532-00023

C. Facility's Phone  
315-539-5624

11. Waste Shipping Name and Description

12. Containers  
No. Type

13. Total  
Quantity

14. Unit  
W/Vol

a. NON-HAZARDOUS CONTAMINATED SOIL

41.06

Ton

b.

c.

d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information  
WASTE APPROVAL # ~~3021~~  
060800

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

Printed/Typed Name  
Stephen Absolon

Signature  
*Stephen Absolon*

Month Day Year  
10 20 01

17. Transporter 1 Acknowledgement of Receipt of Materials  
Printed/Typed Name

Signature

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials  
Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature  
*Stephen Absolon*

Month Day Year  
10 20 01

GENERATOR

TRANSPORTER

FACILITY

Seneca Meadows, Inc.  
1786 Salzman Rd.  
Waterloo, NY 13165  
Ph: (315) 539-5624 Fax: (315) 539-3097

Ticket: 1456372  
Date: 10/26/2006  
Time: 10:55:37 - 11:15:15

Customer: 15LMS / L M SESSLERS EXCA

Carrier: 7020 / WECARE TRANSPORTAT  
Profile: 2006080B-15LMS / 15LMS-2006080

198104

Gross: 118060LBS  
Tare: 35940LBS  
Net: 82120LBS

Origin: 116 / SENECA  
Truck: WC5756  
Comment:

Wastes & Services

Quantity

BW 34

BC501 / B/R-CONTAM SOIL

41.0600 Tons

Weighmaster: CARRIE 450047

Drivers:

Restricted Soil





Please print or type  
(Form designed for use on elite (12-pitch) typewriter.)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. NY0213820830	Manifest Doc. No. NY 35	2. Page 1 of 1
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3. Generator's Name and Mailing Address Seneca Army Depot Activity 5786 State Rte. 96, Romulus, NY 14541	
4. Generator's Phone ( 607 ) 869-1309	

5. Transporter 1 Company Name WIE CARE TRANSPORTATION	6. US EPA ID Number	A. Transporter's Phone (315) 689-1937
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone

9. Designated Facility Name and Site Address Seneca Meadows Landfill 1786 Salmon Road Waterloo, NY 13165	10. US EPA ID Number 8-4532-00023	C. Facility's Phone 315-539-5624
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11. Waste Shipping Name and Description	12. Containers		13. Total Quantity	14. Unit W/Vol
	No.	Type		
a. NON-HAZARDOUS CONTAMINATED SOIL			40.10	Ton
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above	E. Handling Codes for Wastes Listed Above
-------------------------------------------------------	-------------------------------------------

15. Special Handling Instructions and Additional Information  
WASTE APPROVAL # ~~3051~~  
060800

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

Printed/Typed Name Stephen Absolon	Signature <i>[Signature]</i>	Month 10	Day 20	Year 06
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17. Transporter 1 Acknowledgement of Receipt of Materials	Printed/Typed Name <i>[Signature]</i>	Signature <i>[Signature]</i>	Month .	Day .	Year .
-----------------------------------------------------------	------------------------------------------	---------------------------------	------------	----------	-----------

18. Transporter 2 Acknowledgement of Receipt of Materials	Printed/Typed Name	Signature	Month .	Day .	Year .
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19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name	Signature	Month 10	Day 20	Year 06

GENERATOR  
TRANSPORTER  
FACILITY

#36

Seneca Meadows, Inc.  
1786 Salcman Rd.  
Waterloo, NY 13165  
Ph: (315) 539-5624 Fax: (315) 539-3097

Ticket: 1456487  
Date: 10/26/2006  
Time: 12:24:25 - 12:54:50

Customer: 15LMS / L M SESSLERS EXCA

Carrier: 7020 / WECARE TRANSPORTAT

Profile: 2006000B-15LMS / 15LMS-2006000

Cust Ref: 198103

Gross: 116060LBS

Tare: 35860LBS

Net: 80200LBS

Origin: 116 / SENECA

Truck: WC5756

Comment:

Wastes & Services

Quantity

Bw 35

BCS01 / B/R-CONTAM SOIL

40.1000 Tons

Weighmaster: LYDIA 450104

Driver:



Please print or type  
(Form designed for use on nine (12-pitch) typewriter.)

<b>*NON-HAZARDOUS WASTE MANIFEST*</b>	1. Generator's US EPA ID No. NY0213820830	Manifest Doc. No. BW.36.	2. Page 1 of 1
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3. Generator's Name and Mailing Address Seneca Army Depot Activity 5786 State Rte. 96, Romulus, NY 14541			
4. Generator's Phone (607) 869-1309			
5. Transporter 1 Company Name WE CARE TRANSPORTATION	6. US EPA ID Number	A. Transporter's Phone (315) 689-1937	
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone	
9. Designated Facility Name and Site Address Seneca Meadows Landfill 1786 Salzman Road Waterloo, NY 13165		10. US EPA ID Number 8-4532-00023	C. Facility's Phone 315-520-5624

11. Waste Shipping Name and Description	12. Containers		13. Total Quantity	14. Unit Wt/Vol
	No.	Type		
a. NEW HAZARDOUS CONTAMINATED SOIL			38.11	Tons
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above	E. Handling Codes for Wastes Listed Above
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15. Special Handling Instructions and Additional Information  
WASTE APPROVAL # ~~3412~~  
060808

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

Printed/Typed Name Stephen Absolon	Signature <i>Stephen Absolon</i>	Month Day Year 10 20 06
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17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name Jenny Gilson #0936/D0182	Signature <i>Jenny Gilson</i>	Month Day Year 10 20 06
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18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
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19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature <i>[Signature]</i>	Month Day Year 10 20 06
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GENERATOR

TRANSPORTER

FACILITY

Seneca Meadows, Inc.  
1786 Salcman Rd.  
Waterloo, NY 13165  
Ph: (315) 539-5624 Fax: (315) 539-3097

Ticket: 1456552  
Date: 10/26/2006  
Time: 13:18:06 - 13:55:51

Customer: 15LMS / L M SESSLERS EXCA

Carrier: 7020 / WECARE TRANSPORTAT

Profile: 2006080B-15LMS / 15LMS-2006080

Cust Ref: 197500

Gross: 106960LBS

Tare: 30740LBS

Net: 76220LBS

Origin: 116 / SENECA

Truck: WC6936

Comment:

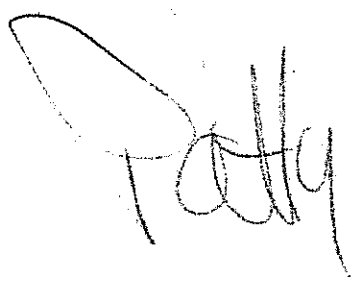
Wastes & Services

Quantity

BW 36

BCS01 / B/R-CONTAM SOIL

38.1100 Tons



Weighmaster: CARRIE 450047

Driver:

Please print or type  
(Form designed for use on elite (12-pitch) typewriter.)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. NY0213820830	Manifest Doc. No. 20137	2. Page 1 of 1
3. Generator's Name and Mailing Address Seneca Army Depot Activity 5785 State Rte. 96, Romulus, NY 14541				
4. Generator's Phone ( 607 ) 869-1309				
5. Transporter 1 Company Name VIE CARTE TRANSPORTATION		6. US EPA ID Number		A. Transporter's Phone 1315 689-1737
7. Transporter 2 Company Name		8. US EPA ID Number		B. Transporter's Phone
9. Designated Facility Name and Site Address Seneca Meadows Landfill 1785 Salomon Road Waterloo, NY 13165		10. US EPA ID Number 8-4532-00023		C. Facility's Phone 315-539-5624
11. Waste Shipping Name and Description			12. Containers	13. Total Quantity
a. NON HAZARDOUS CONTAMINATED SOIL			No.	Type
				40.59
b.				
c.				
d.				
D. Additional Descriptions for Materials Listed Above			E. Handling Codes for Wastes Listed Above	
15. Special Handling Instructions and Additional Information WASTE APPROVAL # 3052 060800				
16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.				
Printed/Typed Name Stephen Absolon		Signature <i>Stephen Absolon</i>		Month Day Year 10 20 06
17. Transporter 1 Acknowledgement of Receipt of Materials				
Printed/Typed Name <i>[Signature]</i>		Signature <i>[Signature]</i>		Month Day Year . . .
18. Transporter 2 Acknowledgement of Receipt of Materials				
Printed/Typed Name		Signature		Month Day Year . . .
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.				
Printed/Typed Name		Signature <i>[Signature]</i>		Month Day Year 10 26 06

GENERATOR  
TRANSPORTER  
FACILITY

Seneca Meadows, Inc.  
1786 Salzman Rd.  
Waterloo, NY 13165  
Ph: (315) 539-5624 Fax: (315) 539-3097

Ticket: 1456614  
Date: 10/26/2006  
Time: 14:17:01 - 14:48:18

Customer: 15LMS / L M SESSLERS EXCA

Carrier: 7020 / WECARE TRANSPORTAT

Profile: 20060808-15LMS / 15LMS-2006080

Cust Ref: 198096

Gross: 116940LBS

Tare: 35760LBS

Net: 81180LBS

Origin: 116 / SENECA

Truck: WC5756

Comment:

Wastes & Services

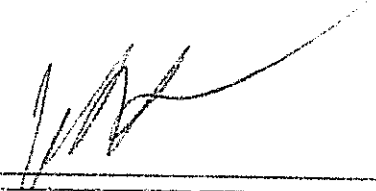
Quantity

BW 37

BCS01 / B/R-CONTAM SOIL

40.5900 Tons

Weighmaster: CARRIE 450047

Drivers: 

Please print or type  
(Form designed for use on elite (12-pitch) typewriter.)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. NY0213820830	Manifest Doc. No. BW 38	2. Page 1 of 1
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3. Generator's Name and Mailing Address Seneca Army Depot Activity 5786 State Rte. 96, Romulus, NY 14541	
4. Generator's Phone ( 607 ) 869-1309	

5. Transporter 1 Company Name NEW HAZ TRANSPORTATION	6. US EPA ID Number	A. Transporter's Phone (315) 684-1937
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone

9. Designated Facility Name and Site Address Seneca Meadows Landfill 1786 Salmon Road Waterloo, NY 13165		10. US EPA ID Number 8-4532-00023	C. Facility's Phone 315-539-5624
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11. Waste Shipping Name and Description	12. Containers		13. Total Quantity	14. Unit Wt/Vol
	No.	Type		
a. NEW HAZARDOUS CONTAMINATED SOIL			19.40	Ton
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above	E. Handling Codes for Wastes Listed Above
-------------------------------------------------------	-------------------------------------------

15. Special Handling Instructions and Additional Information  
WASTE APPROVAL # 3062  
060808

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

Printed/Typed Name Stephen Absolon	Signature <i>Stephen Absolon</i>	Month Day Year 10 20 06
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17. Transporter 1 Acknowledgement of Receipt of Materials	Printed/Typed Name	Signature	Month Day Year
-----------------------------------------------------------	--------------------	-----------	----------------

18. Transporter 2 Acknowledgement of Receipt of Materials	Printed/Typed Name	Signature	Month Day Year
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19. Discrepancy Indication Space  
FUGLY POWER

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in item 19.		
Printed/Typed Name	Signature	Month Day Year

GENERATOR  
TRANSPORTER  
FACILITY



Seneca Meadows, Inc.  
1786 Salcman Rd.  
Waterloo, NY 13165  
Ph: (315) 539-5624 Fax: (315) 539-3097

Ticket: 1456632  
Date: 10/26/2006  
Time: 14:32:46 - 15:06:35

Customer: 15LMS / L M SESSLERS EXCA

Carrier: 7020 / WECARE TRANSPORTAT

Profile: 2006080B-15LMS / 15LMS-2006080

Cust Ref: 197535

Gross: 76920LBS

Origin: 116 / SENECA

Truck: WC9003

Tare: 38120LBS

Comment:

Net: 38800LBS

Wastes & Services

Quantity

BW 38

BCS01 / B/R-CONTAM SOIL

19.4000 Tons

Weighmaster: RUSS 450014

Driver:

*Eugene Pate*

Please print or type  
(Form designed for use on elite (12-pitch) typewriter.)

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. NY0213820830	Manifest Doc. No. EW 39	2. Page 1 of 1
-------------------------------------	--	----------------------------------------------	----------------------------	-------------------

3. Generator's Name and Mailing Address Seneca Army Depot Activity 5786 State Rte. 96, Romulus, NY 14541	
4. Generator's Phone (607) 869-1309	

5. Transporter 1 Company Name WE CARE TRANSPORTATION	6. US EPA ID Number	A. Transporter's Phone (315) 689-1937
7. Transporter 2 Company Name	8. US EPA ID Number	B. Transporter's Phone

9. Designated Facility Name and Site Address Seneca Meadows Landfill 1786 Saloman Road Waterloo, NY 13165		10. US EPA ID Number 8-4532-00023	C. Facility's Phone 315-539-5624
--------------------------------------------------------------------------------------------------------------------	--	--------------------------------------	-------------------------------------

11. Waste Shipping Name and Description	12. Containers		13. Total Quantity	14. Unit Wt/Vol
	No.	Type		
a. NON HAZARDOUS CONTAMINATED SOIL			40.51	Ton
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above	E. Handling Codes for Wastes Listed Above
-------------------------------------------------------	-------------------------------------------

15. Special Handling Instructions and Additional Information  
WASTE REMOVAL # ~~3019~~  
060808

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

Printed/Typed Name Stephen Absolon	Signature <i>Stephen Absolon</i>	Month Day Year 10 20 06
---------------------------------------	-------------------------------------	----------------------------

17. Transporter 1 Acknowledgement of Receipt of Materials		
Printed/Typed Name <i>Bud Ly...</i>	Signature <i>Bud Ly...</i>	Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials		
Printed/Typed Name	Signature	Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.		
Printed/Typed Name	Signature <i>Wandlers</i>	Month Day Year 10 20 06

GENERATOR

TRANSPORTER

FACILITY

Seneca Meadows, Inc.  
1786 Salzman Rd.  
Waterloo, NY 13165  
Ph: (315) 539-5624 Fax: (315) 539-3097

Ticket: 1456836  
Date: 10/27/2006  
Time: 07:28:11 - 08:07:27

Customer: 15LMS / L M SESSLERS EXCA

Carrier: 7020 / WECARE TRANSPORTAT  
Profile: 20060808-15LMS / 15LMS-2006080

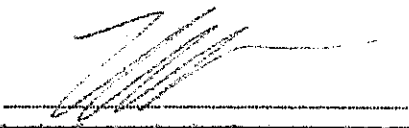
Cust Ref: 197534

Gross: 117500LBS  
Tare: 36400LBS  
Net: 81020LBS

Origin: 116 / SENECA  
Truck: WC5756  
Comment:

Wastes & Services	Quantity	
BCS01 / B/R-CONTAM SOIL	40.5100 Tons	BW 39

Weighmaster: CARRIE 450047

Driver: 



Please print or type  
(Form designed for use on elite (12-pitch) typewriter)

**NON-HAZARDOUS  
WASTE MANIFEST**

1. Generator's US EPA ID No.  
NY0213820830

Manifest Doc. No.  
EW 40

2. Page 1  
of 1

3. Generator's Name and Mailing Address  
Seneca Army Depot Activity  
5785 State Rte. 96, Romulus, NY 14541  
4. Generator's Phone (607 ) 869-1309

5. Transporter 1 Company Name  
WE HIRE TRANSPORTATION

6. US EPA ID Number

A. Transporter's Phone  
315 529-1937

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address  
Seneca Meadows Landfill  
1785 Salzman Road  
Waterloo, NY 13165

10. US EPA ID Number  
8-4532-00023

C. Facility's Phone  
315-539-5624

11. Waste Shipping Name and Description

12. Containers  
No. Type

13. Total  
Quantity

14. Unit  
Wt/Vol

a. NON HAZARDOUS CONTAMINATED SOIL

..

37.35

Ton

b.

..

..

..

c.

..

..

..

d.

..

..

..

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information  
WASTE APPROVAL # 3062  
060808

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

Printed/Typed Name  
Stephen Absolon

Signature  
[Signature]

Month Day Year  
10 20 08

17. Transporter 1 Acknowledgement of Receipt of Materials  
Printed/Typed Name

Signature  
[Signature]

Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials  
Printed/Typed Name

Signature  
[Signature]

Month Day Year  
10 27 08

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature  
[Signature]

Month Day Year  
10 27 08

GENERATOR

TRANSPORTER

FACILITY

Seneca Meadows, Inc.  
1786 Salcman Rd.  
Waterloo, NY 13165  
Ph: (315) 539-5624 Fax: (315) 539-3097

Ticket: 1456066  
Date: 10/27/2006  
Time: 07:43:48 - 08:37:42

Customer: 15LMS / L M SESSLERS EXCA

Carrier: 7020 / WECARE TRANSPORTAT  
Profile: 20060808-15LMS / 15LMS-20060808  
Cust Ref: 196357

Gross: 111400LBS /  
Tare: 36700LBS  
Net: 74700LBS

Origin: 116 / SENECA  
Truck: WC5757  
Comment:

Wastes & Services	Quantity	BW 40
BCS01 / B/R-CONTAM SOIL	37.3500 Tons	

Weighmaster: CARRIE 450047

Driver:

Please print or type  
(Form designed for use on elite (12-pitch) typewriter.)

**NON-HAZARDOUS  
WASTE MANIFEST**

1. Generator's US EPA ID No.  
NY0213820830

Manifest Doc. No.  
EW 41

2. Page 1  
of 1

3. Generator's Name and Mailing Address  
Seneca Army Depot Activity  
5786 State Rte. 96, Romulus, NY 14541  
4. Generator's Phone ( 607 ) 869-1309

5. Transporter 1 Company Name  
WE CARE TRANSPORTATION

6. US EPA ID Number

A. Transporter's Phone  
315 689-1937

7. Transporter 2 Company Name

8. US EPA ID Number

B. Transporter's Phone

9. Designated Facility Name and Site Address  
Seneca Meadows Landfill  
1786 Salmon Road  
Waterloo, NY 13165

10. US EPA ID Number  
8-4532-00023

C. Facility's Phone  
315-539-5624

11. Waste Shipping Name and Description

12. Containers  
No. Type

13. Total  
Quantity

14. Unit  
W/Vol

a. NON HAZARDOUS CONTAMINATED SOIL

44.47 TONS

b.  
c.  
d.

D. Additional Descriptions for Materials Listed Above

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

WASTE APPROVAL # 3022  
060808

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

Printed/Typed Name

Signature

Month Day Year  
10 20 06

Stephen Absolon

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

Bradley

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year  
10 27 06

GENERATOR

TRANSPORTER

FACILITY

# 92

Seneca Meadows, Inc.  
1786 Salzman Rd.  
Waterloo, NY 13165  
Ph: (315) 539-5624 Fax: (315) 539-3097

Ticket: 1456927  
Date: 10/27/2006  
Time: 09:24:58 - 09:41:08

Customer: 15LMS / L M SESSLERS EXCA

Carrier: 7020 / WECARE TRANSPORTAT  
Profile: 2006080B-15LMS / 15LMS-2006080  
Cust Ref: 197533

Gross: 125400LBS

Tare: 36460LBS

Net: 88940LBS

Origin: 116 / SENECA

Truck: WC5756

Comment:

Wastes & Services

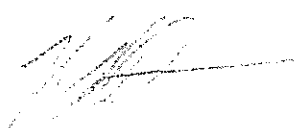
Quantity

BW 41

BCS01 / B/R-CONTAM SOIL

44.4700 Tons

Weighmaster: CARRIE 450047

Driver: 

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## **Appendix B**

### **Analytical Results**

- Summary of Data Usability Associated with Ash Landfill Remedial Action
- Table B-1 Summary of Method Blank Noncompliance Results
- Table B-2 Summary of Initial Calibration and Continuing Calibration Verification Noncompliance Results
- Table B-3 Summary of Trench Spoil Results
- Table B-4 Off-Site Fill Material Sample Results
- Table B-5 Disposal Characterization Sample Results
- Laboratory Packages (COCs, Case Narratives, and Laboratory Data)

**INTEROFFICE MEMORANDUM**

**TO:** Jackie Travers **PROJECT NO:** 744538-02100  
**FROM:** Chunhua Liu **FILE NO:**  
**DATE:** November 10, 2006 **CC:** file  
**SUBJECT:** Summary of Data Usability Associated  
with Ash Landfill Remedial Action

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This memo presents an overall summary of data usability associated with the Ash Landfill Remedial Action (RA). The data reviewed are from three sample delivery groups (SDGs) submitted by Severn Trent Laboratory (STL) Buffalo, Amherst, NY (091406, A06-B134, and A06-B011). Volatile organic compounds (VOC) were analyzed for each SDG using SW848 8260B Method. Two SDGs submitted by STL Buffalo (A06-B246 and A06-B622) were not evaluated. These packages included data characterizing fill and Debris Pile waste for disposal purposes. Validation of these types of data packages are not typically performed.

Data Validation was performed by Parsons chemist and completed under the guidelines set forth in the “USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review”, 1999; “Region 2 RCRA and CERCLA Data Validation Standard Operating Procedures (SOPs)”, and New York State Department of Environmental Conservation (NYSDEC) Contract Laboratory Program Analytical Services Protocol (ASP), with consideration for the methodology requirements and the site-specific requirements presented in the Revised Final Generic Site-Wide Sampling and Analysis Plan for the Seneca Army Depot Activity (Parsons, 2006) and Final Remedial Design Work Plan for the Ash Landfill Operable Unit (Parsons, 2006). The data evaluation included performance of a completeness audit and a review of the following parameters: holding times, sample preservations, percentage of solids, quality control (QC) results of calibration, method blanks, matrix spike/matrix spike duplicate (MS/MSD) analyses, laboratory control sample performances, field duplicates, surrogate recoveries, instrument performance, chromatograms and mass spectrums, internal standard recovery, and reporting limits. In performing the data validation, the raw data were spot-checked in accordance with the Region 2 SOPs to evaluate whether there is any transcription error.

**1. OVERALL SUMMARY OF DATA USABILITY**

The data reviewed were determined to be all usable.

**2. ACCURACY**

Accuracy was evaluated by reviewing the percent recovery (%R) of the Matrix Spike (MS) and Matrix Spike Duplicate (MSD), Laboratory Control Spike (LCS), and surrogate spikes. In addition, method blank results were reviewed to evaluate any potential contamination.

## 2.1 MS/MSD Results

MS/MSD analyses were conducted for ALBW10031 in SDG A06-B011. All MS/MSD recoveries were within the laboratory established limits and the Seneca project advisory limits of 70-130% except that chlorobenzene recovery in the MS and MSD was 69%, slightly below the laboratory limit of 76% and the project advisory limit. No action was taken to qualify the results based on the MS/MSD results.

## 2.2 LCS Results

Laboratory control sample results for all three SDGs were within the laboratory established QC limits and the project advisory limits of 70-130%. No action was taken to qualify the results based on the LCS results.

## 2.3 Surrogate Recovery Results

Surrogate spike analyses were conducted for all samples in the three SDGs and all the surrogate spike recoveries were within the laboratory limits and the project limits of 70-130%. No action was taken to qualify the results based on the surrogate recovery results.

## 2.4 Method Blank Sample Results

Method blank samples were analyzed for each SDG. Table B-1 presents a summary of the method blank noncompliance results. In summary, methylene chloride was detected in all method blank samples with the exception of VBLK30 for the three SDGs discussed in this memorandum. All samples in the three SDGs with the exception of ALBW10020DL were qualified in accordance with the Region 2 SOPs. Acetone and toluene were detected in one of the method blanks in SDG 091406 (i.e., VBLK33) and the acetone and toluene results for the associated samples (i.e., ALBW10020, ALBW10021, ALBW10022, and ALBW10023) were qualified in accordance with the Region 2 SOPs.

## 3. PRECISION

Precision is determined by evaluating the Relative Percent Difference (RPD) or difference of the parent/field duplicate (FD), MS/MSD, and LCS/LCSD. The 50% RPD was specified as the precision limit in the Seneca Generic Site-Wide SAP. For sample results within five times of reporting limits, the difference was compared with two times of the reporting limits.

One field duplicate pair was collected during the RA. The results of the duplicate pair (ALBW10031 and ALBW10035 in SDG A06-B011) were comparable. With the exception of methylene chloride, no VOCs were detected in either sample. Methylene chloride results in both samples were qualified as nondetects based on the contamination in the method blank.

MS/MSD analyses were conducted for ALBW10031 in SDG A06-B011. The RPDs of MS/MSD for all analytes were below the laboratory established limits and the project limit of 50%.

No LCSD samples were available for any samples in the three SDGs.

#### **4. REPRESENTATIVENESS AND OTHER TECHNICAL ISSUES**

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Sample Package Completeness and Deliverables
- Sample Preservation and Technical Holding Time
- Laboratory Transcription Error
- Other Quality Assurance/Quality Control (QA/QC) Results

##### **4.1 Sample Package Completeness and Deliverables**

The data packages submitted by STL Buffalo are sufficient for the data validation conducted for this project. All the requirements for sample package completeness and deliverables were met.

##### **4.2 Sample Preservation and Technical Holding Time**

All samples were analyzed within 14 days from collection. The laboratory reports indicated the samples were all received in good conditions with cooler temperatures ranged from 2 °C to 5.8 °C upon receipt by the laboratory. Solids percentage was greater than 50% for all samples evaluated.

##### **4.3 Laboratory Transcription Error**

The raw data were spot-checked in accordance with the Region 2 SOPs and no transcription error was observed.

##### **4.4 Other QA/QC Results**

###### **4.4.1 Instrument Performance**

GC/MS instrument performance check was performed for the three SDGs and the GC/MS performance met the analytical method requirements for all SDGs.

###### **4.4.2 TCL/TIC Results**

For the detected TCLs, a comparison of the sample relative ion intensities with those from the reference spectra was conducted. The relative ion intensities generally agreed within 20% for the detected TCLs with the exception of methyl acetate in ALBW10020DL and dichlorodifluoromethane in ALBW10036

and ALBW10037. A review of the spectra indicated the relative intensities of the major 2~3 characteristic ions generally agreed with the corresponding reference spectra. As a result, no action was taken based on the relative ion intensity results.

One tentatively identified compound (TIC) was reported in each of the following samples: ALBW10020, ALBW10020DL, and ALBW10022. The concentrations ranged from 5 µg/Kg to 320 µg/Kg and CAS numbers were not identified for the TICs.

#### 4.4.3 Reporting Limits

The lowest calibration standard was used as the reporting limit.

#### 4.4.4 Calibration

Initial calibration and continuing calibration verification were conducted for all SDGs. Calibration noncompliances were observed for some samples and the detailed information is presented in Table B-2. It should be noted that the data were validated based on the calibration results in accordance with the EPA Region 2 SOPs.

#### 4.4.5 Internal Standard

The recovery areas of the internal standards for all samples evaluated were within the project QC limits and the retention times of the internal standards were all within 30 seconds of the standard retention times.

**Attachment 1**

**DEFINITIONS OF DATA QUALIFIERS – ORGANICS**

- U The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- N The analysis indicates the presence of an analyte for which there is presumptive evidence to make a “tentative identification.”
- NJ The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated numerical value represents its approximate concentration.
- UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

**Table B-1  
Summary of Method Blank Noncompliance Results  
Ash Landfill Remedial Action  
Seneca Army Depot Activity**

<b>SDG</b>	<b>Analytes Detected</b>	<b>Sample Affected</b>	<b>Blank Concentration</b>	<b>Action</b>
091406	Methylene Chloride	ALBW10016, ALBW10017, ALBW10018, ALBW10019, ALBW10020, ALBW10021, ALBW10022, and ALBW10023	>RL	All detects were reported as nondetects.
	Acetone	ALBW10020, ALBW10021, ALBW10022, and ALBW10023	<RL	Acetone was not detected in the associated samples with the exception of ALBW10023. Acetone result for ALBW10023 was reported as nondetect.
	Toluene	ALBW10020, ALBW10021, ALBW10022, and ALBW10023	<RL	No action as toluene was not detected in the associated samples.
A06-B011	Methylene Chloride	All samples in the SDG (i.e., ALBW10024 through ALBW10035).	>RL	All detects were reported as nondetects.
A06-B134	Methylene Chloride	All samples in the SDG (i.e., ALBW10036 and ALBW10037).	>RL	All detects were reported as nondetects.

RL = Reporting Limit



**Table B-2  
Summary of Initial Calibration and Continuing Calibration Verification Noncompliance Results  
Ash Landfill Remedial Action  
Seneca Army Depot Activity**

SDG	Time of Calibration	Analytes with RSD% or D% Outside Limits	Associated Samples	Qualification	Qualification Rationale
<b>Initial Calibration</b>					
091406	9/13/06 14:43-16:45 (Instrument HP5973F)	bromomethane (40%) methylene chloride (51%) vinyl acetate (22%) surrogate p- bromofluorobenzene (17%)	ALBW10020, ALBW10021, ALBW10022, ALBW10023	No action.	Bromomethane or vinyl acetate was not detected in any associated samples; The originally reported methylene chloride results were all below the RLs and the results were qualified as nondetects based on the blank contamination; All surrogate recoveries were within the project limits. As a result, no action was taken for the associated samples based on the initial calibration results.
	9/13/06 14:43-16:45 (Instrument HP5973P)	methylene chloride (45%) acetone (20%) toluene (21%)	ALBW10016, ALBW10017, ALBW10018, ALBW10019	UJ all methylene chloride results	Acetone or toluene was not detected in any associated samples. Therefore, no action was taken for the acetone or toluene results. Methylene chloride results were originally reported above the RLs and were qualified as nondetects based on the blank contamination. The results were qualified UJ.
	9/20/06 08:33-10:27 (Instrument HP5973Q)	bromomethane (46%) methylene chloride (27%) bromoform (15.5%) dichlorodifluoromethane (19%)	ALBW10020DL	UJ methylene chloride result	Bromomethane, bromoform, or dichlorodifluoromethane was not detected in the associated sample. Therefore, no action was taken based on the initial calibration results. Methylene chloride result was originally reported above the RL and was qualified as nondetect based on the blank contamination. The result was qualified UJ.

**Table B-2**  
**Summary of Initial Calibration and Continuing Calibration Verification Noncompliance Results**  
**Ash Landfill Remedial Action**  
**Seneca Army Depot Activity**

SDG	Time of Calibration	Analytes with RSD% or D% Outside Limits	Associated Samples	Qualification	Qualification Rationale
A06-B011	9/26/06 10:47-13:06 (Instrument HP5973F)	methylene chloride (27%) acetone (19%) trans-1,2-dichloroethene (19%) 1,1,1-trichloroethane (15.3%) carbon tetrachloride (24%) trans-1,3-dichloropropene (19%) bromoform (21%) 1,2-dibromo-3-chloropropane (20%)	All samples in this SDG (ALBW10024 through ALBW10035)	J acetone result in ALBW10033; UJ methylene chloride results that were originally reported above RLs.	Methylene chloride was detected in all associated samples but the results were qualified as nondetects based on the blank contamination. The methylene chloride results that were originally reported above the RLs were qualified UJ. No action was taken for the methylene chloride results that were originally reported below the RLs. Acetone was detected in ALBW10033 and the result was qualified J. The other reference analytes were not detected in any associated samples; therefore, no action was taken for the other affected analytical results.
A06-B134		methyl acetate (16%) methylcyclohexane (15.5%) surrogate 1,2-dichloroethane-D4	ALBW10036, ALBW10037	UJ methylene chloride results; no action for results for other affected analytes	Methylene chloride results were originally reported above the RLs and were qualified as nondetects based on the blank contamination. The results were qualified UJ. The other referenced analytes were not detected in any associated samples; therefore, no action was taken for the other affected analytical results.

**Table B-2  
Summary of Initial Calibration and Continuing Calibration Verification Noncompliance Results  
Ash Landfill Remedial Action  
Seneca Army Depot Activity**

SDG	Time of Calibration	Analytes with RSD% or D% Outside Limits	Associated Samples	Qualification	Qualification Rationale
<b>Continuing Calibration Verification</b>					
091406	9/21/06 21:56 (Instrument HP5973F)	methylene chloride (22%) 1,1-dichloroethane (50%), trans-1,2-dichloroethene (63%) vinyl acetate (44%) methyl acetate (31%) methyl-t-butyl ether (55%)	ALBW10020, ALBW10021, ALBW10022, ALBW10023	UJ nondetects and J detects	
	9/14/06 10:49 (Instrument HP5973P)	methylene chloride (23%) methyl acetate (21%)	ALBW10016, ALBW10017, ALBW10018, ALBW10019	UJ nondetects and J detects	
	9/24/06 12:25 (Instrument HP5973Q)	chloroethane (22%) carbon tetrachloride (21%) surrogate p- bromofluorobenzene (25%)	ALBW10020DL	chloroethane and carbon tetrachloride for ALBW10020DL were qualified UJ.	All surrogate recoveries were within the project limits; therefore, no action was taken based on the p- bromofluorobenzene continuing calibration verification result for ALBW10020DL.
A06-B011	9/27/2006 21:54 (Instrument HP5973F)	methylene chloride (35%) trans-1,2-dichloroethene (23%) dichlorodifluoromethane (50%)	All samples in this SDG (ALBW10024 through ALBW10035)	UJ nondetects and J detects	
A06-B134	9/29/06 10:41 (Instrument HP5973F)	carbon disulfide (30%) vinyl acetate (30%) 1,1,2-trichloro-1,2,2- trifluoroethane (42%) dichlorodifluoromethane (23%)	ALBW10036, ALBW10037	UJ nondetects and J detects	

Note:

Qualification applies to associated samples (4th column) only.

RL = Reporting Limit

RSD% = Percentage of Relative Standard Deviation

D% = Percentage of Difference

**Table B-3**  
**Summary of Trench Spoil Results**  
**Ash Landfill Construction Completion Report**  
**Seneca Army Depot Activity**

**Biowalls A1 and A2**

**Length of Section Requiring Sampling: 750 feet. Required No. Samples: 5 No. Collected: 6 plus one duplicate**

No.	Trench ID	Sample ID	Description	Location Description	TCE Results (µg/Kg)	Final Disposition
1	A1/A2	ALBW10029	Trench spoils	150 ft from North end	6 U	ALF
2	A1/A2	ALBW10030	Trench spoils	300 ft from North end	6 U	ALF
3	A1/A2	ALBW10031	Trench spoils	150 ft from North end	6 U	ALF
4	A1/A2	ALBW10032	Trench spoils	300 ft from North end	5 U	ALF
5	A1/A2	ALBW10033	Trench spoils	450 ft from North end	5 U	ALF
6	A1/A2	ALBW10034	Trench spoils	450 ft from North end	5 U	ALF
7	A1/A2	ALBW10035	Trench spoils	Duplicate of ALBW10031	6 U	ALF

**Biowalls B1 and B2**

**Length of Section Requiring Sampling: 950 feet. Required No. Samples: 7 No. Collected: 8**

No.	Trench ID	Sample ID	Description	Location Description	TCE Results (µg/Kg)	Final Disposition
1	B1 N	ALBW10021	Trench spoils	250 ft from North end	5 U	NCFL
2	B1 N	ALBW10022	Trench spoils	325 ft from North end	4 U	ALF
3	B2 N	ALBW10023	Trench spoils	150 ft from North end	4 U	ALF
4	B1 S	ALBW10024	Trench spoils	50 ft from pilot study wall	4 U	ALF
5	B2 S	ALBW10025	Trench spoils	100 ft south of pilot study wall	13	NCFL
6	B2 S	ALBW10026	Trench spoils	200 ft south of pilot study wall	4 U	NCFL
7	B1 S	ALBW10027	Trench spoils	150 ft south of pilot study wall	5 U	NCFL
8	B1 S	ALBW10028	Trench spoils	200 ft south of pilot study wall	4 U	NCFL

**Biowalls C1 and C2**

**Length of Section Requiring Sampling: 460 feet. Required No. Samples: 4 No. Collected: 5 plus 2 re-samples**

No.	Trench ID	Sample ID	Description	Location Description	TCE Results (µg/Kg)	Final Disposition
1	C1	ALBW10016	Trench spoils	350 feet from North end	5 U	NCFL
2	C1	ALBW10017	Trench spoils	450 feet from North end	6 U	NCFL
3	C2	ALBW10018	Trench spoils	350 feet from North end	1 J	NCFL
4	C2	ALBW10019	Trench spoils	450 feet from North end	5 U	NCFL
5	C1	ALBW10020	Trench spoils	500 feet from North end	6600	NCFL
6	C1	ALBW10036	Trench spoils	Re-sample of ALBW10020	5 U	NCFL
7	C1	ALBW10037	Trench spoils	Re-sample of ALBW10020	5 U	NCFL

**Notes:**

NYSDEC TAGM = 700 µg/kg  
ALF = Ash Landfill  
NCFL = Non-Combustible Fill Landfill  
RL=5 ug/kg

**Table B-4**  
**Off-Site Fill Material Sample ALFM10000**  
**Ash LF Completion Report**  
**Seneca Army Depot Activity**

Facility	ASH LANDFILL
Location ID	Ash Landfill
Matrix	SOIL
Sample ID	ALFM10000
Sample Depth to Top of Sample	0
Sample Depth to Bottom of Sample	0.2
Sample Date	9/28/2006
Sample Type	SA
Study ID	REMEDIAL ACTION

Parameter	Units	TAGM	
		Criteria <sup>1</sup>	Value (Q)
<b>Volatile Organic Compounds</b>			
1,1,1-Trichloroethane	UG/KG	800	6 U
1,1,2,2-Tetrachloroethane	UG/KG	600	6 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/KG		6 U
1,1,2-Trichloroethane	UG/KG		6 U
1,1-Dichloroethane	UG/KG	200	6 U
1,1-Dichloroethene	UG/KG	400	6 U
1,2,4-Trichlorobenzene	UG/KG	3400	6 U
1,2-Dibromo-3-chloropropane	UG/KG		6 U
1,2-Dibromoethane	UG/KG		6 U
1,2-Dichlorobenzene	UG/KG	7900	6 U
1,2-Dichloroethane	UG/KG	100	6 U
1,2-Dichloropropane	UG/KG		6 U
1,3-Dichlorobenzene	UG/KG	1600	6 U
1,4-Dichlorobenzene	UG/KG	8500	6 U
Acetone	UG/KG	200	33 U
Benzene	UG/KG	60	6 U
Bromodichloromethane	UG/KG		6 U
Bromoform	UG/KG		6 U
Carbon disulfide	UG/KG	2700	6 U
Carbon tetrachloride	UG/KG	600	6 U
Chlorobenzene	UG/KG	1700	6 U
Chlorodibromomethane	UG/KG		6 U
Chloroethane	UG/KG	1900	6 U
Chloroform	UG/KG	300	6 U
Cis-1,2-Dichloroethene	UG/KG		6 U
Cis-1,3-Dichloropropene	UG/KG		6 U
Cyclohexane	UG/KG		6 U
Dichlorodifluoromethane	UG/KG		6 U
Ethyl benzene	UG/KG	5500	6 U
Isopropylbenzene	UG/KG		6 U
Methyl Acetate	UG/KG		6 U
Methyl Tertbutyl Ether	UG/KG		6 U
Methyl bromide	UG/KG		6 U
Methyl butyl ketone	UG/KG		33 U
Methyl chloride	UG/KG		6 U
Methyl cyclohexane	UG/KG		6 U
Methyl ethyl ketone	UG/KG	300	33 U
Methyl isobutyl ketone	UG/KG	1000	33 U
Methylene chloride	UG/KG	100	13 B
Styrene	UG/KG		6 U
Tetrachloroethene	UG/KG	1400	6 U
Toluene	UG/KG	1500	6 U
Total Xylenes	UG/KG	1200	20 U
Trans-1,2-Dichloroethene	UG/KG	300	6 U
Trans-1,3-Dichloropropene	UG/KG		6 U
Trichloroethene	UG/KG	700	6 U
Trichlorofluoromethane	UG/KG		6 U
Vinyl acetate	UG/KG		33 U
Vinyl chloride	UG/KG	200	13 U
<b>Semivolatile Organic Compounds</b>			
1,1'-Biphenyl	UG/KG		430 U
2,4,5-Trichlorophenol	UG/KG	100	1000 U
2,4,6-Trichlorophenol	UG/KG		430 U
2,4-Dichlorophenol	UG/KG	400	430 U
2,4-Dimethylphenol	UG/KG		430 U
2,4-Dinitrophenol	UG/KG	200	2100 U

**Table B-4**  
**Off-Site Fill Material Sample ALFM10000**  
**Ash LF Completion Report**  
**Seneca Army Depot Activity**

Facility	ASH LANDFILL
Location ID	Ash Landfill
Matrix	SOIL
Sample ID	ALFM10000
Sample Depth to Top of Sample	0
Sample Depth to Bottom of Sample	0.2
Sample Date	9/28/2006
Sample Type	SA
Study ID	REMEDIAL ACTION

TAGM			
Parameter	Units	Criteria <sup>1</sup>	Value (Q)
2,4-Dinitrotoluene	UG/KG		430 U
2,6-Dinitrotoluene	UG/KG	1000	430 U
2-Chloronaphthalene	UG/KG		430 U
2-Chlorophenol	UG/KG	800	430 U
2-Methylnaphthalene	UG/KG	36400	430 U
2-Methylphenol	UG/KG	100	430 U
2-Nitroaniline	UG/KG	430	2100 U
2-Nitrophenol	UG/KG	330	430 U
3,3'-Dichlorobenzidine	UG/KG		2100 U
3-Nitroaniline	UG/KG	500	2100 U
4,6-Dinitro-2-methylphenol	UG/KG		2100 U
4-Bromophenyl phenyl ether	UG/KG		430 U
4-Chloro-3-methylphenol	UG/KG	240	430 U
4-Chloroaniline	UG/KG	220	430 U
4-Chlorophenyl phenyl ether	UG/KG		430 U
4-Methylphenol	UG/KG	900	14 J
4-Nitroaniline	UG/KG		2100 U
4-Nitrophenol	UG/KG	100	2100 U
Acenaphthene	UG/KG	50000	430 U
Acenaphthylene	UG/KG	41000	430 U
Acetophenone	UG/KG		430 U
Anthracene	UG/KG	50000	430 U
Atrazine	UG/KG		430 U
Benzaldehyde	UG/KG		430 U
Benzo(a)anthracene	UG/KG	224	430 U
Benzo(a)pyrene	UG/KG	61	430 U
Benzo(b)fluoranthene	UG/KG	1100	430 U
Benzo(ghi)perylene	UG/KG	50000	430 U
Benzo(k)fluoranthene	UG/KG	1100	430 U
Bis(2-Chloroethoxy)methane	UG/KG		430 U
Bis(2-Chloroethyl)ether	UG/KG		430 U
Bis(2-Chloroisopropyl)ether	UG/KG		430 U
Bis(2-Ethylhexyl)phthalate	UG/KG	50000	430 U
Butylbenzylphthalate	UG/KG	50000	430 U
Caprolactam	UG/KG		430 U
Carbazole	UG/KG		430 U
Chrysene	UG/KG	400	430 U
Di-n-butylphthalate	UG/KG	8100	430 U
Di-n-octylphthalate	UG/KG	50000	430 U
Dibenz(a,h)anthracene	UG/KG	14	430 U
Dibenzofuran	UG/KG	6200	430 U
Diethyl phthalate	UG/KG	7100	430 U
Dimethylphthalate	UG/KG	2000	430 U
Fluoranthene	UG/KG	50000	430 U
Fluorene	UG/KG	50000	430 U
Hexachlorobenzene	UG/KG	410	430 U
Hexachlorobutadiene	UG/KG		430 U
Hexachlorocyclopentadiene	UG/KG		430 U
Hexachloroethane	UG/KG		430 U
Indeno(1,2,3-cd)pyrene	UG/KG	3200	430 U
Isophorone	UG/KG	4400	430 U
N-Nitrosodiphenylamine	UG/KG		430 U
N-Nitrosodipropylamine	UG/KG		430 U
Naphthalene	UG/KG	13000	430 U
Nitrobenzene	UG/KG	200	430 U
Pentachlorophenol	UG/KG	1000	2100 U
Phenanthrene	UG/KG	50000	430 U

**Table B-4**  
**Off-Site Fill Material Sample ALFM10000**  
**Ash LF Completion Report**  
**Seneca Army Depot Activity**

Facility	ASH LANDFILL
Location ID	Ash Landfill
Matrix	SOIL
Sample ID	ALFM10000
Sample Depth to Top of Sample	0
Sample Depth to Bottom of Sample	0.2
Sample Date	9/28/2006
Sample Type	SA
Study ID	REMEDIAL ACTION

TAGM			
Parameter	Units	Criteria <sup>1</sup>	Value (Q)
Phenol	UG/KG	30	430 U
Pyrene	UG/KG	50000	430 U
<b>Metals</b>			
Aluminum	MG/KG	19300	5620
Antimony	MG/KG	5.9	0.46 U
Arsenic	MG/KG	8.2	2.4
Barium	MG/KG	300	29
Beryllium	MG/KG	1.1	0.21 B
Cadmium	MG/KG	2.3	0.08 B
Calcium	MG/KG	121000	8100
Chromium	MG/KG	29.6	6.6
Cobalt	MG/KG	30	2.7
Copper	MG/KG	33	5.7 E
Iron	MG/KG	36500	7740
Lead	MG/KG	24.8	6
Magnesium	MG/KG	21500	3180
Manganese	MG/KG	1060	189
Nickel	MG/KG	49	5.3
Potassium	MG/KG	2380	415
Selenium	MG/KG	2	0.59 U
Silver	MG/KG	0.75	0.08 U
Sodium	MG/KG	172	30.5 B
Thallium	MG/KG	0.7	0.44 U
Vanadium	MG/KG	150	10.7
Zinc	MG/KG	110	25.4

Note:

(1) NYSDEC Technical and Administrative Guidance Memorandum (TAGM) HWR-94-4046, Revised January 24, 1994,

U = compound was not detected

J or B = the reported value is greater than or equal to instrument detection limit, but less than quantitation limit.

E = the reported value is an estimate or not reported due to the presence of interferences.



**Table B-5**  
**Disposal Characterization Sample ALDW10000**  
**Ash LF Completion Report**  
**Seneca Army Depot Activity**

Facility	ASH LANDFILL
Location ID	Ash Landfill
Matrix	DCS-SOIL
Sample ID	ALDW10000
Sample Depth to Top of Sample	0
Sample Depth to Bottom of Sample	0.2
Sample Date	10/5/2006
Sample Type	SA
Study ID	REMEDIAL ACTION

Parameter	Units	Criteria	
		Level <sup>1</sup>	Value (Q)
<b>TCLP VOAs</b>			
TCLP 1,1-Dichloroethene	MG/L	700	0.05 U
TCLP 1,2-Dichloroethane	MG/L	500	0.05 U
TCLP Benzene	MG/L	500	0.05 U
TCLP Carbon tetrachloride	MG/L	500	0.05 U
TCLP Chlorobenzene	MG/L	100000	0.05 U
TCLP Chloroform	MG/L	6000	0.05 U
TCLP Methyl ethyl ketone	MG/L	200000	0.25 U
TCLP Tetrachloroethene	MG/L	700	0.05 U
TCLP Trichloroethene	MG/L	500	0.05 U
TCLP Vinyl chloride	MG/L	200	0.05 U
<b>TCLP SVOCs</b>			
TCLP 1,4-Dichlorobenzene	MG/L	7500	0.04 U
TCLP 2,4,5-Trichlorophenol	MG/L		0.04 U
TCLP 2,4,6-Trichlorophenol	MG/L	2000	0.04 U
TCLP 2,4-Dinitrotoluene	MG/L	100	0.04 U
TCLP 2-Methylphenol	MG/L		0.04 U
TCLP 3-Methylphenol	MG/L		0.04 U
TCLP 4-Methylphenol	MG/L		0.04 U
TCLP Hexachlorobenzene	MG/L	100	0.04 U
TCLP Hexachlorobutadiene	MG/L		0.04 U
TCLP Hexachloroethane	MG/L		0.04 U
TCLP Nitrobenzene	MG/L	2000	0.04 U
TCLP Pentachlorophenol	MG/L	100000	0.2 U
TCLP Pyridine	MG/L	5000	0.1 U
<b>TCLP Pesticides</b>			
TCLP Endrin	MG/L	20	0.00005 U
TCLP Gamma-BHC/Lindane	MG/L	400	0.00005 U
TCLP Heptachlor	MG/L	8	0.00005 U
TCLP Heptachlor epoxide	MG/L	8	0.00005 U
TCLP Methoxychlor	MG/L		0.00005 U
TCLP Toxaphene	MG/L	500	0.001 U
<b>PCBs</b>			
Aroclor-1016	UG/KG		21 U
Aroclor-1221	UG/KG		21 U
Aroclor-1232	UG/KG		21 U
Aroclor-1242	UG/KG		21 U
Aroclor-1248	UG/KG		21 U
Aroclor-1254	UG/KG	10000	21 U
Aroclor-1260	UG/KG	10000	21 U
<b>TCLP Inorganics</b>			
TCLP Arsenic	MG/L	5000	0.01 U
TCLP Barium	MG/L	100000	2.2
TCLP Cadmium	MG/L	1000	0.06
TCLP Chromium	MG/L	5000	0.063
TCLP Lead	MG/L	5000	1.6
TCLP Mercury	MG/L	200	0.0002 U
TCLP Selenium	MG/L	1000	0.015 U
TCLP Silver	MG/L	5000	0.003 U
<b>Wet Chemistry</b>			
Flashpoint	°F		>200
Reactive Cyanide	MG/KG		10 U
Reactive Sulfide	MG/KG		10 U

Note:

(1) TCLP regulatory limits are based on 40 CFR 261.23 and 40 CFR 261.24.  
(2) The analytical results were not validated and the qualifiers presented were provided by the laboratory.

U = compound was not detected

J = the reported value is an estimated concentration

UJ = the compound was not detected; the associated reporting limit is approximate

STL Buffalo  
10 Hazelwood Drive, Suite 106  
Amherst, NY 14228

Tel: 716 691 2600 Fax: 716 691 7991  
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ANALYTICAL REPORT

Job#: A06-B011

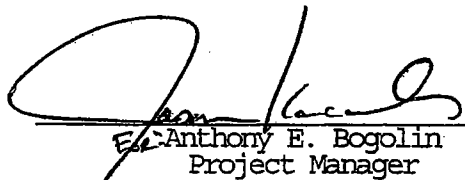
STL Project#: NY5A9493

Site Name: SENECA AD

Task: Seneca Army Depot Ash Landfill Biowall Monitoring

Chunhua Liu Sc.D.  
Parsons  
150 Federal Street, 4th Floor  
Boston, MA 02110

STL Buffalo



Anthony E. Bogolin  
Project Manager

09/29/2006

## NON-CONFORMANCE SUMMARY

Job#: A06-B011STL Project#: NY5A9493Site Name: SENECA ADGeneral Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A06-B011

Sample Cooler(s) were received at the following temperature(s); 2.0 °C  
All samples were received in good condition.

GC/MS Volatile Data

The analyte Methylene chloride was detected in the Method Blank VBLK37 (A6B2712602) at a level above the project established reporting limit. Samples had levels of Methylene chloride less than ten times that of the Method Blank value. All sample detections for Methylene chloride may potentially be due to laboratory contamination and should be evaluated accordingly. All associated sample detections were qualified with a "B".

The recovery of the analyte Chlorobenzene in the Matrix Spike and in the Matrix Spike Duplicate of sample ALEW10031 exceeded quality control limits. The Matrix Spike Blank recoveries were compliant, so no corrective action was performed.

Initial calibration standard curve A6I0001976-1 exhibited the %RSD of several compounds as greater than 15%. However, the mean RSD of all compounds is 10.79%.

\*\*\*\*\*

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.



**ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD**

**STL Buffalo**

COC : 25-09-06-1

STL Buffalo  
10 Hazelwood Drive, Suite 106  
Amherst, NY 14228  
Ph: 716-691-2600  
Fax: 716-691-7991  
Website: www.stl-inc.com

Unknown

PROJECT & CLIENT INFORMATION		Project State	
PROJECT REFERENCE NAME Ash Landfill Remedial Action	PROJECT NO. 744538-02100	NY	
STL (LAB) PROJECT MANAGER Tony Bgolin	P.C. NUMBER 744538-30001-00	CONTRACT/Quote NO. 744538-30001-00	
CLIENT (SITE) PM Jacqueline Travers/Chunhua Liu	CLIENT PHONE 617-448-1567 (C. Liu)	CLIENT FAX 617-946-9777	
CLIENT NAME Parsons	CLIENT EMAIL chunhua.liu@parsons.com		
CLIENT ADDRESS 150 Federal Street, Boston, MA 02110 Samplers Signature & Initials:			

LABORATORY SAMPLE ID		SAMPLE IDENTIFICATION		FIELD FILTERED		SAMPLE TYPE		MATRIX	
LABORATORY SAMPLE ID	DATE	TIME		FIELD FILTERED	SAMPLE TYPE	MATRIX	REQUIRED ANALYSES	NUMBER OF CONTAINERS SUBMITTED	REMARKS
9/25/2006	1613	ALBW10024	Grab	N	S			1	1. Run straight sample analysis (without dilution) for every sample. 2. Use CLP OLM03.2 TCL list for VOCs and SVOCs. 3. Each VOC sample includes 2 encores and 1 jar.
9/25/2006	1615	ALBW10025	Grab	N	S		1		
9/25/2006	1625	ALBW10026	Grab	N	S		1		
9/25/2006	1622	ALBW10027	Grab	N	S		1		
9/25/2006	1630	ALBW10028	Grab	N	S		1		
9/25/2006	17:10	ALBW10029	Grab	N	S		1		
9/25/2006	17:00	ALBW10030	Grab	N	S		1		
9/25/2006	1703	ALBW10031	Grab	N	S		1		
9/25/2006	16:55	ALBW10032	Grab	N	S		1		

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
<i>[Signature]</i>	9/25/06	1810			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
<i>[Signature]</i>	9/26/06	0925	<i>[Signature]</i>	9/26/06	0925

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	LABORATORY SEAL NO.	LABORATORY USE ONLY	LABORATORY REMARKS:
			YES NO	00		2.0.c

**ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD**

**STL Buffalo**

STL Buffalo  
10 Hazelwood Drive, Suite 106  
Amherst, NY 14228  
Ph: 716-691-2800  
Fax: 716-691-7991  
Website: www.stl-inc.com

COC: 25-09-06-1

Unknown

**PROJECT & CLIENT INFORMATION**

PROJECT REFERENCE/NAME: Ash Landfill Remedial Action  
STL (LAB) PROJECT MANAGER: Tony Bogolin  
CLIENT (SITE) PM: Jacqueline Travers/Chunhua Liu  
CLIENT NAME: Parsons  
CLIENT ADDRESS: 150 Federal Street, Boston, MA 02110  
Samplers Signature & Initials:

**PROJECT STATE**

NY  
CONTRACT/Quote NO. 744538-30001-00  
CLIENT FAX 617-646-9777  
CLIENT EMAIL chunhua.liu@parsons.com

**REQUIRED ANALYSES**

VOCs - Method 8260B					
8					

Final Report Type (Check at least one): ASP2000  
Category B  
EDD 32 calendar days  
TAT/ DATE DUE 3 calendar days Per  
OAP/Quote  
EXPEDITED REPORT (circle one)  
FAX EMAIL POST Other  
TAT/ DATE DUE

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

REMARKS  
1. Run straight sample analysis (without dilution) for every sample.  
2. Use CLP OLM03.2 TCL list for VOCs and SVOCs.  
3. Each VOC sample includes 2 encores and 1 jar.

LABORATORY SAMPLE ID

SAMPLED ON DATE	TIME	SAMPLE IDENTIFICATION	SAMPLE TYPE	FIELD FILTERED	MATRIX	NUMBER OF CONTAINERS SUBMITTED	REMARKS
9/25/2006	16:50	ALBW10033	Grab	N	S	1	Preservative
9/25/2006	16:45	ALBW10034	Grab	N	S	1	
9/25/2006	17:08	ALBW10035	Grab	N	S	1	
9/25/2006	17:03	ALBW10031MS	Grab	N	S	1	
9/25/2006	17:03	ALBW10031MSD	Grab	N	S	1	

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
<i>[Signature]</i>	9/25/06	1810			

RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
<i>[Signature]</i>	9/26/06	0925			

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT YES NO	LABORATORY SEAL NO.	LABORATORY REMARKS:
			YES NO		2.0 °C

METHOD 8260 - TCL VOLATILE ORGANICS  
ANALYSIS DATA SHEET

8/277

Client No.

ALBW10024

Lab Name: STL Buffalo Contract: 744538

Lab Code: RECNY Case No.:        SAS No.:        SDG No.:       

Matrix: (soil/water) SOIL Lab Sample ID: A6B01101

Sample wt/vol: 6.67 (g/mL) G Lab File ID: F2494.RR

Level: (low/med) LOW Date Samp/Recv: 09/25/2006 09/26/2006

% Moisture: not dec. 13 Heated Purge: Y Date Analyzed: 09/28/2006

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume:        (uL) Soil Aliquot Volume:        (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
67-64-1	Acetone	22		U
71-43-2	Benzene	4		U
75-27-4	Bromodichloromethane	4		U
75-25-2	Bromoform	4		U
74-83-9	Bromomethane	4		U
78-93-3	2-Butanone	22		U
75-15-0	Carbon Disulfide	4		U
56-23-5	Carbon Tetrachloride	4		U
108-90-7	Chlorobenzene	4		U
75-00-3	Chloroethane	4		U
67-66-3	Chloroform	4		U
74-87-3	Chloromethane	4		U
110-82-7	Cyclohexane	4		U
106-93-4	1,2-Dibromoethane	4		U
124-48-1	Dibromochloromethane	4		U
96-12-8	1,2-Dibromo-3-chloropropane	4		U
95-50-1	1,2-Dichlorobenzene	4		U
541-73-1	1,3-Dichlorobenzene	4		U
106-46-7	1,4-Dichlorobenzene	4		U
75-71-8	Dichlorodifluoromethane	4		U
75-34-3	1,1-Dichloroethane	4		U
107-06-2	1,2-Dichloroethane	4		U
75-35-4	1,1-Dichloroethene	4		U
156-59-2	cis-1,2-Dichloroethene	4		U
156-60-5	trans-1,2-Dichloroethene	4		U
78-87-5	1,2-Dichloropropane	4		U
10061-01-5	cis-1,3-Dichloropropene	4		U
10061-02-6	trans-1,3-Dichloropropene	4		U
100-41-4	Ethylbenzene	4		U
591-78-6	2-Hexanone	22		U
98-82-8	Isopropylbenzene	4		U
79-20-9	Methyl acetate	4		U
108-87-2	Methylcyclohexane	4		U
75-09-2	Methylene chloride	6		B

METHOD 8260 - TCL VOLATILE ORGANICS  
ANALYSIS DATA SHEET

9/277

Client No.

ALBW10024

Lab Name: STL Buffalo Contract: 744538

Lab Code: RECNY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: A6B01101

Sample wt/vol: 6.67 (g/mL) G Lab File ID: F2494.RR

Level: (low/med) LOW Date Samp/Recv: 09/25/2006 09/26/2006

% Moisture: not dec. 13 Heated Purge: Y Date Analyzed: 09/28/2006

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

108-10-1-----	4-Methyl-2-pentanone	22	U
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)	4	U
100-42-5-----	Styrene	4	U
79-34-5-----	1,1,2,2-Tetrachloroethane	4	U
127-18-4-----	Tetrachloroethene	4	U
108-88-3-----	Toluene	4	U
120-82-1-----	1,2,4-Trichlorobenzene	4	U
71-55-6-----	1,1,1-Trichloroethane	4	U
79-00-5-----	1,1,2-Trichloroethane	4	U
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	4	U
75-69-4-----	Trichlorofluoromethane	4	U
79-01-6-----	Trichloroethene	4	U
108-05-4-----	Vinyl acetate	22	U
75-01-4-----	Vinyl chloride	9	U
1330-20-7-----	Total Xylenes	13	U

METHOD 8260 - TCL VOLATILE ORGANICS  
TENTATIVELY IDENTIFIED COMPOUNDS

10/277

Client No.

ALBW10024

Lab Name: STL Buffalo Contract: 744538

Lab Code: RECNY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: A6B01101

Sample wt/vol: 6.67 (g/mL) G Lab File ID: F2494.RR

Level: (low/med) LOW Date Samp/Recv: 09/25/2006 09/26/2006

% Moisture: not dec. 13.0 Date Analyzed: 09/28/2006

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q



METHOD 8260 - TCL VOLATILE ORGANICS  
ANALYSIS DATA SHEET

11/277

Client No.

ALEW10025

Lab Name: STL Buffalo Contract: 744538

Lab Code: RECNY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: A6B01102

Sample wt/vol: 6.48 (g/mL) G Lab File ID: F2495.RR

Level: (low/med) LOW Date Samp/Recv: 09/25/2006 09/26/2006

% Moisture: not dec. 10 Heated Purge: Y Date Analyzed: 09/28/2006

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
67-64-1	Acetone		21	U
71-43-2	Benzene		4	U
75-27-4	Bromodichloromethane		4	U
75-25-2	Bromofom		4	U
74-83-9	Bromomethane		4	U
78-93-3	2-Butanone		21	U
75-15-0	Carbon Disulfide		4	U
56-23-5	Carbon Tetrachloride		4	U
108-90-7	Chlorobenzene		4	U
75-00-3	Chloroethane		4	U
67-66-3	Chloroform		4	U
74-87-3	Chloromethane		4	U
110-82-7	Cyclohexane		4	U
106-93-4	1,2-Dibromoethane		4	U
124-48-1	Dibromochloromethane		4	U
96-12-8	1,2-Dibromo-3-chloropropane		4	U
95-50-1	1,2-Dichlorobenzene		4	U
541-73-1	1,3-Dichlorobenzene		4	U
106-46-7	1,4-Dichlorobenzene		4	U
75-71-8	Dichlorodifluoromethane		4	U
75-34-3	1,1-Dichloroethane		4	U
107-06-2	1,2-Dichloroethane		4	U
75-35-4	1,1-Dichloroethene		4	U
156-59-2	cis-1,2-Dichloroethene		4	U
156-60-5	trans-1,2-Dichloroethene		4	U
78-87-5	1,2-Dichloropropane		4	U
10061-01-5	cis-1,3-Dichloropropene		4	U
10061-02-6	trans-1,3-Dichloropropene		4	U
100-41-4	Ethylbenzene		4	U
591-78-6	2-Hexanone		21	U
98-82-8	Isopropylbenzene		4	U
79-20-9	Methyl acetate		4	U
108-87-2	Methylcyclohexane		4	U
75-09-2	Methylene chloride		3	BJ

METHOD 8260 - TCL VOLATILE ORGANICS  
ANALYSIS DATA SHEET

12/277

Client No.

ALBW10025

Lab Name: STL Buffalo

Contract: 744538

Lab Code: RECNV Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL

Lab Sample ID: A6B01102

Sample wt/vol: 6.48 (g/mL) G

Lab File ID: F2495.RR

Level: (low/med) LOW

Date Samp/Recv: 09/25/2006 09/26/2006

% Moisture: not dec. 10 Heated Purge: Y

Date Analyzed: 09/28/2006

GC Column: DB-624 ID: 0.18 (mm)

Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
108-10-1-----	4-Methyl-2-pentanone	21		U
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)	4		U
100-42-5-----	Styrene	4		U
79-34-5-----	1,1,2,2-Tetrachloroethane	4		U
127-18-4-----	Tetrachloroethene	4		U
108-88-3-----	Toluene	4		U
120-82-1-----	1,2,4-Trichlorobenzene	4		U
71-55-6-----	1,1,1-Trichloroethane	4		U
79-00-5-----	1,1,2-Trichloroethane	4		U
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	4		U
75-69-4-----	Trichlorofluoromethane	4		U
79-01-6-----	Trichloroethene	13		
108-05-4-----	Vinyl acetate	21		U
75-01-4-----	Vinyl chloride	8		U
1330-20-7-----	Total Xylenes	13		U

METHOD 8260 - TCL VOLATILE ORGANICS  
TENTATIVELY IDENTIFIED COMPOUNDS

13/277

Client No.

ALEW10025

Lab Name: STL Buffalo

Contract: 744538

Lab Code: RECN Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL

Lab Sample ID: A6B01102

Sample wt/vol: 6.48 (g/mL) G

Lab File ID: F2495.RR

Level: (low/med) LOW

Date Samp/Recv: 09/25/2006 09/26/2006

% Moisture: not dec. 10.2

Date Analyzed: 09/28/2006

GC Column: DB-624 ID: 0.18 (mm)

Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q

MEIHOD 8260 - TCL VOLATILE ORGANICS  
ANALYSIS DATA SHEET

14/277

Client No.

ALBW10026

Lab Name: STL Buffalo

Contract: 744538

Lab Code: RECNY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: A6B01103

Sample wt/vol: 6.26 (g/mL) G Lab File ID: F2496.RR

Level: (low/med) LOW Date Samp/Recv: 09/25/2006 09/26/2006

% Moisture: not dec. 3 Heated Purge: Y Date Analyzed: 09/28/2006

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	UG/KG	Q
67-64-1	Acetone	21	U
71-43-2	Benzene	4	U
75-27-4	Bromodichloromethane	4	U
75-25-2	Bromoform	4	U
74-83-9	Bromomethane	4	U
78-93-3	2-Butanone	21	U
75-15-0	Carbon Disulfide	4	U
56-23-5	Carbon Tetrachloride	4	U
108-90-7	Chlorobenzene	4	U
75-00-3	Chloroethane	4	U
67-66-3	Chloroform	4	U
74-87-3	Chloromethane	4	U
110-82-7	Cyclohexane	4	U
106-93-4	1,2-Dibromomethane	4	U
124-48-1	Dibromochloromethane	4	U
96-12-8	1,2-Dibromo-3-chloropropane	4	U
95-50-1	1,2-Dichlorobenzene	4	U
541-73-1	1,3-Dichlorobenzene	4	U
106-46-7	1,4-Dichlorobenzene	4	U
75-71-8	Dichlorodifluoromethane	4	U
75-34-3	1,1-Dichloroethane	4	U
107-06-2	1,2-Dichloroethane	4	U
75-35-4	1,1-Dichloroethene	4	U
156-59-2	cis-1,2-Dichloroethene	4	U
156-60-5	trans-1,2-Dichloroethene	4	U
78-87-5	1,2-Dichloropropane	4	U
10061-01-5	cis-1,3-Dichloropropene	4	U
10061-02-6	trans-1,3-Dichloropropene	4	U
100-41-4	Ethylbenzene	4	U
591-78-6	2-Hexanone	21	U
98-82-8	Isopropylbenzene	4	U
79-20-9	Methyl acetate	4	U
108-87-2	Methylcyclohexane	4	U
75-09-2	Methylene chloride	2	BJ

METHOD 8260 - TCL VOLATILE ORGANICS  
ANALYSIS DATA SHEET

15/277

Client No.

ALBW10026

Lab Name: STL Buffalo Contract: 744538

Lab Code: RECNY Case No.:        SAS No.:        SDG No.:       

Matrix: (soil/water) SOIL Lab Sample ID: A6B01103

Sample wt/vol: 6.26 (g/mL) G Lab File ID: F2496.RR

Level: (low/med) LOW Date Samp/Recv: 09/25/2006 09/26/2006

% Moisture: not dec. 3 Heated Purge: Y Date Analyzed: 09/28/2006

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume:        (uL) Soil Aliquot Volume:        (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

108-10-1-----	4-Methyl-2-pentanone	21	U
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)	4	U
100-42-5-----	Styrene	4	U
79-34-5-----	1,1,2-Tetrachloroethane	4	U
127-18-4-----	Tetrachloroethene	4	U
108-88-3-----	Toluene	4	U
120-82-1-----	1,2,4-Trichlorobenzene	4	U
71-55-6-----	1,1,1-Trichloroethane	4	U
79-00-5-----	1,1,2-Trichloroethane	4	U
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	4	U
75-69-4-----	Trichlorofluoromethane	4	U
79-01-6-----	Trichloroethene	4	U
108-05-4-----	Vinyl acetate	21	U
75-01-4-----	Vinyl chloride	8	U
1330-20-7-----	Total Xylenes	12	U

METHOD 8260 - TCL VOLATILE ORGANICS  
TENTATIVELY IDENTIFIED COMPOUNDS

16/277

Client No.

ALBW10026

Lab Name: STL Buffalo

Contract: 744538

Lab Code: RECN Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL

Lab Sample ID: A6B01103

Sample wt/vol: 6.26 (g/mL) G

Lab File ID: F2496.RR

Level: (low/med) LOW

Date Samp/Recv: 09/25/2006 09/26/2006

% Moisture: not dec. 3.3

Date Analyzed: 09/28/2006

GC Column: DB-624 ID: 0.18 (mm)

Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q

METHOD 8260 - TCL VOLATILE ORGANICS  
ANALYSIS DATA SHEET

17/277

Client No.

ALBW10027

Lab Name: STL Buffalo Contract: 744538

Lab Code: RECNY Case No.:        SAS No.:        SDG No.:       

Matrix: (soil/water) SOIL Lab Sample ID: A6B01104

Sample wt/vol: 6.22 (g/mL) G Lab File ID: F2497.RR

Level: (low/med) LOW Date Samp/Recv: 09/25/2006 09/26/2006

% Moisture: not dec. 15 Heated Purge: Y Date Analyzed: 09/28/2006

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume:        (uL) Soil Aliquot Volume:        (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
67-64-1	Acetone		24	U
71-43-2	Benzene		5	U
75-27-4	Bromodichloromethane		5	U
75-25-2	Bromoform		5	U
74-83-9	Bromomethane		5	U
78-93-3	2-Butanone		24	U
75-15-0	Carbon Disulfide		5	U
56-23-5	Carbon Tetrachloride		5	U
108-90-7	Chlorobenzene		5	U
75-00-3	Chloroethane		5	U
67-66-3	Chloroform		5	U
74-87-3	Chloromethane		5	U
110-82-7	Cyclohexane		5	U
106-93-4	1,2-Dibromoethane		5	U
124-48-1	Dibromochloromethane		5	U
96-12-8	1,2-Dibromo-3-chloropropane		5	U
95-50-1	1,2-Dichlorobenzene		5	U
541-73-1	1,3-Dichlorobenzene		5	U
106-46-7	1,4-Dichlorobenzene		5	U
75-71-8	Dichlorodifluoromethane		5	U
75-34-3	1,1-Dichloroethane		5	U
107-06-2	1,2-Dichloroethane		5	U
75-35-4	1,1-Dichloroethene		5	U
156-59-2	cis-1,2-Dichloroethene		5	U
156-60-5	trans-1,2-Dichloroethene		5	U
78-87-5	1,2-Dichloropropane		5	U
10061-01-5	cis-1,3-Dichloropropene		5	U
10061-02-6	trans-1,3-Dichloropropene		5	U
100-41-4	Ethylbenzene		5	U
591-78-6	2-Hexanone		24	U
98-82-8	Isopropylbenzene		5	U
79-20-9	Methyl acetate		5	U
108-87-2	Methylcyclohexane		5	U
75-09-2	Methylene chloride		3	BJ

METHOD 8260 - TCL VOLATILE ORGANICS  
ANALYSIS DATA SHEET

18/277

Client No.

ALBW10027

Lab Name: SIL Buffalo

Contract: 744538

Lab Code: RECNY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: A6B01104

Sample wt/vol: 6.22 (g/mL) G Lab File ID: F2497.RR

Level: (low/med) LOW Date Samp/Recv: 09/25/2006 09/26/2006

% Moisture: not dec. 15 Heated Purge: Y Date Analyzed: 09/28/2006

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

108-10-1-----	4-Methyl-2-pentanone	24	U
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)	5	U
100-42-5-----	Styrene	5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	5	U
127-18-4-----	Tetrachloroethene	5	U
108-88-3-----	Toluene	5	U
120-82-1-----	1,2,4-Trichlorobenzene	5	U
71-55-6-----	1,1,1-Trichloroethane	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	5	U
75-69-4-----	Trichlorofluoromethane	5	U
79-01-6-----	Trichloroethene	5	U
108-05-4-----	Vinyl acetate	24	U
75-01-4-----	Vinyl chloride	9	U
1330-20-7-----	Total Xylenes	14	U



METHOD 8260 - TCL VOLATILE ORGANICS  
TENTATIVELY IDENTIFIED COMPOUNDS

19/277

Client No.

ALBW10027

Lab Name: SIL Buffalo Contract: 744538

Lab Code: RECNY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: A6B01104

Sample wt/vol: 6.22 (g/mL) G Lab File ID: F2497.RR

Level: (low/med) LOW Date Samp/Recv: 09/25/2006 09/26/2006

% Moisture: not dec. 14.7 Date Analyzed: 09/28/2006

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0 CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q

METHOD 8260 - TCL VOLATILE ORGANICS  
ANALYSIS DATA SHEET

20/277

Client No.

ALBW10028

Lab Name: STL Buffalo Contract: 744538

Lab Code: RECNY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: A6B01105

Sample wt/vol: 6.30 (g/mL) G Lab File ID: F2498.RR

Level: (low/med) LOW Date Samp/Recv: 09/25/2006 09/26/2006

% Moisture: not dec. 9 Heated Purge: Y Date Analyzed: 09/28/2006

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
67-64-1	Acetone	22		U
71-43-2	Benzene	4		U
75-27-4	Bromodichloromethane	4		U
75-25-2	Bromoform	4		U
74-83-9	Bromomethane	4		U
78-93-3	2-Butanone	22		U
75-15-0	Carbon Disulfide	4		U
56-23-5	Carbon Tetrachloride	4		U
108-90-7	Chlorobenzene	4		U
75-00-3	Chloroethane	4		U
67-66-3	Chloroform	4		U
74-87-3	Chloromethane	4		U
110-82-7	Cyclohexane	4		U
106-93-4	1,2-Dibromoethane	4		U
124-48-1	Dibromochloromethane	4		U
96-12-8	1,2-Dibromo-3-chloropropane	4		U
95-50-1	1,2-Dichlorobenzene	4		U
541-73-1	1,3-Dichlorobenzene	4		U
106-46-7	1,4-Dichlorobenzene	4		U
75-71-8	Dichlorodifluoromethane	1		J
75-34-3	1,1-Dichloroethane	4		U
107-06-2	1,2-Dichloroethane	4		U
75-35-4	1,1-Dichloroethene	4		U
156-59-2	cis-1,2-Dichloroethene	4		U
156-60-5	trans-1,2-Dichloroethene	4		U
78-87-5	1,2-Dichloropropane	4		U
10061-01-5	cis-1,3-Dichloropropene	4		U
10061-02-6	trans-1,3-Dichloropropene	4		U
100-41-4	Ethylbenzene	4		U
591-78-6	2-Hexanone	22		U
98-82-8	Isopropylbenzene	4		U
79-20-9	Methyl acetate	4		U
108-87-2	Methylcyclohexane	4		U
75-09-2	Methylene chloride	3		BJ

METHOD 8260 - TCL VOLATILE ORGANICS  
ANALYSIS DATA SHEET

21/277

Client No.

ALBW10028

Lab Name: STL Buffalo Contract: 744538

Lab Code: RECNY Case No.:        SAS No.:        SDG No.:       

Matrix: (soil/water) SOIL Lab Sample ID: A6B01105

Sample wt/vol: 6.30 (g/mL) G Lab File ID: F2498.RR

Level: (low/med) LOW Date Samp/Recv: 09/25/2006 09/26/2006

% Moisture: not dec. 9 Heated Purge: Y Date Analyzed: 09/28/2006

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume:        (uL) Soil Aliquot Volume:        (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
108-10-1-----	4-Methyl-2-pentanone		22	U
1634-04-4-----	Methyl-t-Butyl Ether (MIBE)		4	U
100-42-5-----	Styrene		4	U
79-34-5-----	1,1,2,2-Tetrachloroethane		4	U
127-18-4-----	Tetrachloroethene		4	U
108-88-3-----	Toluene		4	U
120-82-1-----	1,2,4-Trichlorobenzene		4	U
71-55-6-----	1,1,1-Trichloroethane		4	U
79-00-5-----	1,1,2-Trichloroethane		4	U
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane		4	U
75-69-4-----	Trichlorofluoromethane		4	U
79-01-6-----	Trichloroethene		4	U
108-05-4-----	Vinyl acetate		22	U
75-01-4-----	Vinyl chloride		9	U
1330-20-7-----	Total Xylenes		13	U

METHOD 8260 - TCL VOLATILE ORGANICS  
TENTATIVELY IDENTIFIED COMPOUNDS

22/277

Client No.

ALBW10028

Lab Name: STL Buffalo Contract: 744538

Lab Code: RECNY Case No.:        SAS No.:        SDG No.:       

Matrix: (soil/water) SOIL Lab Sample ID: A6B01105

Sample wt/vol: 6.30 (g/mL) G Lab File ID: F2498.RR

Level: (low/med) LOW Date Samp/Recv: 09/25/2006 09/26/2006

% Moisture: not dec. 8.7 Date Analyzed: 09/28/2006

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume:        (uL) Soil Aliquot Volume:        (uL)

Number TICs found: 0 CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q

METHOD 8260 - TCL VOLATILE ORGANICS  
ANALYSIS DATA SHEET

23/277

Client No.

ALEW10029

Lab Name: STL Buffalo Contract: 744538

Lab Code: RECONY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: A6B01106

Sample wt/vol: 4.67 (g/mL) G Lab File ID: F2499.RR

Level: (low/med) LOW Date Samp/Recv: 09/25/2006 09/26/2006

% Moisture: not dec. 7 Heated Purge: Y Date Analyzed: 09/28/2006

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
67-64-1	Acetone		29	U
71-43-2	Benzene		6	U
75-27-4	Bromodichloromethane		6	U
75-25-2	Bromoform		6	U
74-83-9	Bromomethane		6	U
78-93-3	2-Butanone		29	U
75-15-0	Carbon Disulfide		6	U
56-23-5	Carbon Tetrachloride		6	U
108-90-7	Chlorobenzene		6	U
75-00-3	Chloroethane		6	U
67-66-3	Chloroform		6	U
74-87-3	Chloromethane		6	U
110-82-7	Cyclohexane		6	U
106-93-4	1,2-Dibromoethane		6	U
124-48-1	Dibromochloromethane		6	U
96-12-8	1,2-Dibromo-3-chloropropane		6	U
95-50-1	1,2-Dichlorobenzene		6	U
541-73-1	1,3-Dichlorobenzene		6	U
106-46-7	1,4-Dichlorobenzene		6	U
75-71-8	Dichlorodifluoromethane		6	U
75-34-3	1,1-Dichloroethane		6	U
107-06-2	1,2-Dichloroethane		6	U
75-35-4	1,1-Dichloroethene		6	U
156-59-2	cis-1,2-Dichloroethene		2	J
156-60-5	trans-1,2-Dichloroethene		6	U
78-87-5	1,2-Dichloropropane		6	U
10061-01-5	cis-1,3-Dichloropropene		6	U
10061-02-6	trans-1,3-Dichloropropene		6	U
100-41-4	Ethylbenzene		6	U
591-78-6	2-Hexanone		29	U
98-82-8	Isopropylbenzene		6	U
79-20-9	Methyl acetate		6	U
108-87-2	Methylcyclohexane		6	U
75-09-2	Methylene chloride		3	BJ

METHOD 8260 - TCL VOLATILE ORGANICS  
ANALYSIS DATA SHEET

24/277

Client No.

ALBW10029

Lab Name: SIL Buffalo

Contract: 744538

Lab Code: RECNY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL

Lab Sample ID: A6B01106

Sample wt/vol: 4.67 (g/mL) G

Lab File ID: F2499.RR

Level: (low/med) LOW

Date Samp/Recv: 09/25/2006 09/26/2006

% Moisture: not dec. 7 Heated Purge: Y

Date Analyzed: 09/28/2006

GC Column: DB-624 ID: 0.18 (mm)

Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
108-10-1-----	4-Methyl-2-pentanone		29	U
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)		6	U
100-42-5-----	Styrene		6	U
79-34-5-----	1,1,2,2-Tetrachloroethane		6	U
127-18-4-----	Tetrachloroethene		6	U
108-88-3-----	Toluene		6	U
120-82-1-----	1,2,4-Trichlorobenzene		6	U
71-55-6-----	1,1,1-Trichloroethane		6	U
79-00-5-----	1,1,2-Trichloroethane		6	U
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane		6	U
75-69-4-----	Trichlorofluoromethane		6	U
79-01-6-----	Trichloroethene		6	U
108-05-4-----	Vinyl acetate		29	U
75-01-4-----	Vinyl chloride		11	U
1330-20-7-----	Total Xylenes		17	U

METHOD 8260 - TCL VOLATILE ORGANICS  
TENTATIVELY IDENTIFIED COMPOUNDS

25/277

Client No.

ALEW10029

Lab Name: STL Buffalo Contract: 744538

Lab Code: RECNY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: A6B01106

Sample wt/vol: 4.67 (g/mL) G Lab File ID: F2499.RR

Level: (low/med) LOW Date Samp/Recv: 09/25/2006 09/26/2006

% Moisture: not dec. 6.9 Date Analyzed: 09/28/2006

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0 CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q

METHOD 8260 - TCL VOLATILE ORGANICS  
ANALYSIS DATA SHEET

26/277

Client No.

ALBW10030

Lab Name: STL Buffalo Contract: 744538

Lab Code: RECNY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: A6B01107

Sample wt/vol: 4.57 (g/mL) G Lab File ID: F2500.RR

Level: (low/med) LOW Date Samp/Recv: 09/25/2006 09/26/2006

% Moisture: not dec. 5 Heated Purge: Y Date Analyzed: 09/28/2006

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
67-64-1	Acetone		29	U
71-43-2	Benzene		6	U
75-27-4	Bromodichloromethane		6	U
75-25-2	Bromofom		6	U
74-83-9	Bromomethane		6	U
78-93-3	2-Butanone		29	U
75-15-0	Carbon Disulfide		6	U
56-23-5	Carbon Tetrachloride		6	U
108-90-7	Chlorobenzene		6	U
75-00-3	Chloroethane		6	U
67-66-3	Chloroform		6	U
74-87-3	Chloromethane		6	U
110-82-7	Cyclohexane		6	U
106-93-4	1,2-Dibromoethane		6	U
124-48-1	Dibromochloromethane		6	U
96-12-8	1,2-Dibromo-3-chloropropane		6	U
95-50-1	1,2-Dichlorobenzene		6	U
541-73-1	1,3-Dichlorobenzene		6	U
106-46-7	1,4-Dichlorobenzene		6	U
75-71-8	Dichlorodifluoromethane		6	U
75-34-3	1,1-Dichloroethane		6	U
107-06-2	1,2-Dichloroethane		6	U
75-35-4	1,1-Dichloroethene		6	U
156-59-2	cis-1,2-Dichloroethene		6	U
156-60-5	trans-1,2-Dichloroethene		6	U
78-87-5	1,2-Dichloropropane		6	U
10061-01-5	cis-1,3-Dichloropropene		6	U
10061-02-6	trans-1,3-Dichloropropene		6	U
100-41-4	Ethylbenzene		6	U
591-78-6	2-Hexanone		29	U
98-82-8	Isopropylbenzene		6	U
79-20-9	Methyl acetate		6	U
108-87-2	Methylcyclohexane		6	U
75-09-2	Methylene chloride		3	BJ



METHOD 8260 - TCL VOLATILE ORGANICS  
ANALYSIS DATA SHEET

27/277

Client No.

ALEWL0030

Lab Name: STL Buffalo Contract: 744538

Lab Code: REQNY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: A6B01107

Sample wt/vol: 4.57 (g/mL) G Lab File ID: F2500.RR

Level: (low/med) LOW Date Samp/Recv: 09/25/2006 09/26/2006

% Moisture: not dec. 5 Heated Purge: Y Date Analyzed: 09/28/2006

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
108-10-1	4-Methyl-2-pentanone	29		U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	6		U
100-42-5	Styrene	6		U
79-34-5	1,1,2,2-Tetrachloroethane	6		U
127-18-4	Tetrachloroethene	6		U
108-88-3	Toluene	6		U
120-82-1	1,2,4-Trichlorobenzene	6		U
71-55-6	1,1,1-Trichloroethane	6		U
79-00-5	1,1,2-Trichloroethane	6		U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6		U
75-69-4	Trichlorofluoromethane	6		U
79-01-6	Trichloroethene	6		U
108-05-4	Vinyl acetate	29		U
75-01-4	Vinyl chloride	11		U
1330-20-7	Total Xylenes	17		U

METHOD 8260 - TCL VOLATILE ORGANICS  
TENTATIVELY IDENTIFIED COMPOUNDS

28/277

Client No.

ALBW10030

Lab Name: STL Buffalo

Contract: 744538

Lab Code: RECN Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL

Lab Sample ID: A6B01107

Sample wt/vol: 4.57 (g/mL) G

Lab File ID: F2500.RR

Level: (low/med) LOW

Date Samp/Recv: 09/25/2006 09/26/2006

% Moisture: not dec. 4.8

Date Analyzed: 09/28/2006

GC Column: DB-624 ID: 0.18 (mm)

Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q

METHOD 8260 - TCL VOLATILE ORGANICS  
ANALYSIS DATA SHEET

29/277

Client No.

ALBW10031

Lab Name: STL Buffalo Contract: 744538

Lab Code: RECNY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: A6B01108

Sample wt/vol: 4.17 (g/mL) G Lab File ID: F2501.RR

Level: (low/med) LOW Date Samp/Recv: 09/25/2006 09/26/2006

% Moisture: not dec. 7 Heated Purge: Y Date Analyzed: 09/28/2006

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
67-64-1	Acetone		32	U
71-43-2	Benzene		6	U
75-27-4	Bromodichloromethane		6	U
75-25-2	Bromoform		6	U
74-83-9	Bromomethane		6	U
78-93-3	2-Butanone		32	U
75-15-0	Carbon Disulfide		6	U
56-23-5	Carbon Tetrachloride		6	U
108-90-7	Chlorobenzene		6	U
75-00-3	Chloroethane		6	U
67-66-3	Chloroform		6	U
74-87-3	Chloromethane		6	U
110-82-7	Cyclohexane		6	U
106-93-4	1,2-Dibromoethane		6	U
124-48-1	Dibromochloromethane		6	U
96-12-8	1,2-Dibromo-3-chloropropane		6	U
95-50-1	1,2-Dichlorobenzene		6	U
541-73-1	1,3-Dichlorobenzene		6	U
106-46-7	1,4-Dichlorobenzene		6	U
75-71-8	Dichlorodifluoromethane		6	U
75-34-3	1,1-Dichloroethane		6	U
107-06-2	1,2-Dichloroethane		6	U
75-35-4	1,1-Dichloroethene		6	U
156-59-2	cis-1,2-Dichloroethene		6	U
156-60-5	trans-1,2-Dichloroethene		6	U
78-87-5	1,2-Dichloropropane		6	U
10061-01-5	cis-1,3-Dichloropropene		6	U
10061-02-6	trans-1,3-Dichloropropene		6	U
100-41-4	Ethylbenzene		6	U
591-78-6	2-Hexanone		32	U
98-82-8	Isopropylbenzene		6	U
79-20-9	Methyl acetate		6	U
108-87-2	Methylcyclohexane		6	U
75-09-2	Methylene chloride		3	BJ

METHOD 8260 - TCL VOLATILE ORGANICS  
ANALYSIS DATA SHEET

30/277

Client No.

ALBW10031

Lab Name: STL Buffalo Contract: 744538

Lab Code: RECNY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: A6B01108

Sample wt/vol: 4.17 (g/mL) G Lab File ID: F2501.RR

Level: (low/med) LOW Date Samp/Recv: 09/25/2006 09/26/2006

% Moisture: not dec. 7 Heated Purge: Y Date Analyzed: 09/28/2006

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
108-10-1	4-Methyl-2-pentanone	32		U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	6		U
100-42-5	Styrene	6		U
79-34-5	1,1,2,2-Tetrachloroethane	6		U
127-18-4	Tetrachloroethene	6		U
108-88-3	Toluene	6		U
120-82-1	1,2,4-Trichlorobenzene	6		U
71-55-6	1,1,1-Trichloroethane	6		U
79-00-5	1,1,2-Trichloroethane	6		U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6		U
75-69-4	Trichlorofluoromethane	6		U
79-01-6	Trichloroethene	6		U
108-05-4	Vinyl acetate	32		U
75-01-4	Vinyl chloride	13		U
1330-20-7	Total Xylenes	19		U

METHOD 8260 - TCL VOLATILE ORGANICS  
TENTATIVELY IDENTIFIED COMPOUNDS

31/277

Client No.

ALBW10031

Lab Name: STL Buffalo Contract: 744538

Lab Code: RECNY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: A6B01108

Sample wt/vol: 4.17 (g/mL) G Lab File ID: F2501.RR

Level: (low/med) LOW Date Samp/Recv: 09/25/2006 09/26/2006

% Moisture: not dec. 6.9 Date Analyzed: 09/28/2006

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0 CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q

METHOD 8260 - TCL VOLATILE ORGANICS  
ANALYSIS DATA SHEET

32/277

Client No.

ALBW10032

Lab Name: STL Buffalo Contract: 744538

Lab Code: RECNY Case No.:        SAS No.:        SDG No.:       

Matrix: (soil/water) SOIL Lab Sample ID: A6B01109

Sample wt/vol: 5.57 (g/mL) G Lab File ID: F2504.RR

Level: (low/med) LOW Date Samp/Recv: 09/25/2006 09/26/2006

% Moisture: not dec. 9 Heated Purge: Y Date Analyzed: 09/28/2006

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume:        (uL) Soil Aliquot Volume:        (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
67-64-1	Acetone	25		U
71-43-2	Benzene	5		U
75-27-4	Bromodichloromethane	5		U
75-25-2	Bromoform	5		U
74-83-9	Bromomethane	5		U
78-93-3	2-Butanone	25		U
75-15-0	Carbon Disulfide	5		U
56-23-5	Carbon Tetrachloride	5		U
108-90-7	Chlorobenzene	5		U
75-00-3	Chloroethane	5		U
67-66-3	Chloroform	5		U
74-87-3	Chloromethane	5		U
110-82-7	Cyclohexane	5		U
106-93-4	1,2-Dibromoethane	5		U
124-48-1	Dibromochloromethane	5		U
96-12-8	1,2-Dibromo-3-chloropropane	5		U
95-50-1	1,2-Dichlorobenzene	5		U
541-73-1	1,3-Dichlorobenzene	5		U
106-46-7	1,4-Dichlorobenzene	5		U
75-71-8	Dichlorodifluoromethane	5		U
75-34-3	1,1-Dichloroethane	5		U
107-06-2	1,2-Dichloroethane	5		U
75-35-4	1,1-Dichloroethene	5		U
156-59-2	cis-1,2-Dichloroethene	1		J
156-60-5	trans-1,2-Dichloroethene	5		U
78-87-5	1,2-Dichloropropane	5		U
10061-01-5	cis-1,3-Dichloropropene	5		U
10061-02-6	trans-1,3-Dichloropropene	5		U
100-41-4	Ethylbenzene	5		U
591-78-6	2-Hexanone	25		U
98-82-8	Isopropylbenzene	5		U
79-20-9	Methyl acetate	5		U
108-87-2	Methylcyclohexane	5		U
75-09-2	Methylene chloride	3		BJ

METHOD 8260 - TCL VOLATILE ORGANICS  
ANALYSIS DATA SHEET

33/277

Client No.

ALBW10032

Lab Name: STL Buffalo

Contract: 744538

Lab Code: RECNY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL

Lab Sample ID: A6B01109

Sample wt/vol: 5.57 (g/mL) G

Lab File ID: F2504.RR

Level: (low/med) LOW

Date Samp/Recv: 09/25/2006 09/26/2006

% Moisture: not dec. 9 Heated Purge: Y

Date Analyzed: 09/28/2006

GC Column: DB-624 ID: 0.18 (mm)

Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
108-10-1	4-Methyl-2-pentanone	25		U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5		U
100-42-5	Styrene	5		U
79-34-5	1,1,2,2-Tetrachloroethane	5		U
127-18-4	Tetrachloroethene	5		U
108-88-3	Toluene	5		U
120-82-1	1,2,4-Trichlorobenzene	5		U
71-55-6	1,1,1-Trichloroethane	5		U
79-00-5	1,1,2-Trichloroethane	5		U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5		U
75-69-4	Trichlorofluoromethane	5		U
79-01-6	Trichloroethene	5		U
108-05-4	Vinyl acetate	25		U
75-01-4	Vinyl chloride	10		U
1330-20-7	Total Xylenes	15		U

METHOD 8260 - TCL VOLATILE ORGANICS  
TENTATIVELY IDENTIFIED COMPOUNDS

34/277

Client No.

ALBW10032

Lab Name: STL Buffalo Contract: 744538

Lab Code: RECN Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: A6B01109

Sample wt/vol: 5.57 (g/mL) G Lab File ID: F2504.RR

Level: (low/med) LOW Date Samp/Recv: 09/25/2006 09/26/2006

% Moisture: not dec. 8.8 Date Analyzed: 09/28/2006

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0 CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q



METHOD 8260 - TCL VOLATILE ORGANICS  
ANALYSIS DATA SHEET

35/277

Client No.

ALBW10033

Lab Name: STL Buffalo

Contract: 744538

Lab Code: RECNY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL

Lab Sample ID: A6B01110

Sample wt/vol: 5.34 (g/mL) G

Lab File ID: F2505.RR

Level: (low/med) LOW

Date Samp/Recv: 09/25/2006 09/26/2006

% Moisture: not dec. 5 Heated Purge: Y

Date Analyzed: 09/28/2006

GC Column: DB-624 ID: 0.18 (mm)

Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
67-64-1	Acetone		6	J
71-43-2	Benzene		5	U
75-27-4	Bromodichloromethane		5	U
75-25-2	Bromofom		5	U
74-83-9	Bromomethane		5	U
78-93-3	2-Butanone		24	U
75-15-0	Carbon Disulfide		5	U
56-23-5	Carbon Tetrachloride		5	U
108-90-7	Chlorobenzene		5	U
75-00-3	Chloroethane		5	U
67-66-3	Chloroform		5	U
74-87-3	Chloromethane		5	U
110-82-7	Cyclohexane		5	U
106-93-4	1,2-Dibromoethane		5	U
124-48-1	Dibromochloromethane		5	U
96-12-8	1,2-Dibromo-3-chloropropane		5	U
95-50-1	1,2-Dichlorobenzene		5	U
541-73-1	1,3-Dichlorobenzene		5	U
106-46-7	1,4-Dichlorobenzene		5	U
75-71-8	Dichlorodifluoromethane		5	U
75-34-3	1,1-Dichloroethane		5	U
107-06-2	1,2-Dichloroethane		5	U
75-35-4	1,1-Dichloroethene		5	U
156-59-2	cis-1,2-Dichloroethene		3	J
156-60-5	trans-1,2-Dichloroethene		5	U
78-87-5	1,2-Dichloropropane		5	U
10061-01-5	cis-1,3-Dichloropropene		5	U
10061-02-6	trans-1,3-Dichloropropene		5	U
100-41-4	Ethylbenzene		5	U
591-78-6	2-Hexanone		24	U
98-82-8	Isopropylbenzene		5	U
79-20-9	Methyl acetate		5	U
108-87-2	Methylcyclohexane		5	U
75-09-2	Methylene chloride		3	BJ

METHOD 8260 - TCL VOLATILE ORGANICS  
ANALYSIS DATA SHEET

36/277

Client No.

ALBWL0033

Lab Name: STL Buffalo Contract: 744538

Lab Code: RECNY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: A6B01110

Sample wt/vol: 5.34 (g/mL) G Lab File ID: F2505.RR

Level: (low/med) LOW Date Samp/Recv: 09/25/2006 09/26/2006

% Moisture: not dec. 5 Heated Purge: Y Date Analyzed: 09/28/2006

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

108-10-1	4-Methyl-2-pentanone	24	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5	U
100-42-5	Styrene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
71-55-6	1,1,1-Trichloroethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
79-01-6	Trichloroethene	5	U
108-05-4	Vinyl acetate	24	U
75-01-4	Vinyl chloride	10	U
1330-20-7	Total Xylenes	15	U

METHOD 8260 - TCL VOLATILE ORGANICS  
TENTATIVELY IDENTIFIED COMPOUNDS

37/277

Client No.

ALBW10033

Lab Name: STL Buffalo Contract: 744538

Lab Code: RECNY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: A6B01110

Sample wt/vol: 5.34 (g/mL) G Lab File ID: F2505.RR

Level: (low/med) LOW Date Samp/Recv: 09/25/2006 09/26/2006

% Moisture: not dec. 4.5 Date Analyzed: 09/28/2006

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q

METHOD 8260 - TCL VOLATILE ORGANICS  
ANALYSIS DATA SHEET

38/277

Client No.

ALBW10034

Lab Name: STL Buffalo Contract: 744538

Lab Code: RECN Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: A6B01111

Sample wt/vol: 4.77 (g/mL) G Lab File ID: F2506.RR

Level: (low/med) LOW Date Samp/Recv: 09/25/2006 09/26/2006

% Moisture: not dec. 4 Heated Purge: Y Date Analyzed: 09/28/2006

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
67-64-1	Acetone	27		U
71-43-2	Benzene	5		U
75-27-4	Bromodichloromethane	5		U
75-25-2	Bromoform	5		U
74-83-9	Bromomethane	5		U
78-93-3	2-Butanone	27		U
75-15-0	Carbon Disulfide	5		U
56-23-5	Carbon Tetrachloride	5		U
108-90-7	Chlorobenzene	5		U
75-00-3	Chloroethane	5		U
67-66-3	Chloroform	5		U
74-87-3	Chloromethane	5		U
110-82-7	Cyclohexane	5		U
106-93-4	1,2-Dibromoethane	5		U
124-48-1	Dibromochloromethane	5		U
96-12-8	1,2-Dibromo-3-chloropropane	5		U
95-50-1	1,2-Dichlorobenzene	5		U
541-73-1	1,3-Dichlorobenzene	5		U
106-46-7	1,4-Dichlorobenzene	5		U
75-71-8	Dichlorodifluoromethane	2		J
75-34-3	1,1-Dichloroethane	5		U
107-06-2	1,2-Dichloroethane	5		U
75-35-4	1,1-Dichloroethene	5		U
156-59-2	cis-1,2-Dichloroethene	5		U
156-60-5	trans-1,2-Dichloroethene	5		U
78-87-5	1,2-Dichloropropane	5		U
10061-01-5	cis-1,3-Dichloropropene	5		U
10061-02-6	trans-1,3-Dichloropropene	5		U
100-41-4	Ethylbenzene	5		U
591-78-6	2-Hexanone	27		U
98-82-8	Isopropylbenzene	5		U
79-20-9	Methyl acetate	5		U
108-87-2	Methylcyclohexane	5		U
75-09-2	Methylene chloride	6		B

METHOD 8260 - TCL VOLATILE ORGANICS  
ANALYSIS DATA SHEET

39/277

Client No.

ALBW10034

Lab Name: STL Buffalo

Contract: 744538

Lab Code: RECNY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL

Lab Sample ID: A6B01111

Sample wt/vol: 4.77 (g/mL) G

Lab File ID: F2506.RR

Level: (low/med) LOW

Date Samp/Recv: 09/25/2006 09/26/2006

% Moisture: not dec. 4 Heated Purge: Y

Date Analyzed: 09/28/2006

GC Column: DB-624 ID: 0.18 (mm)

Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
108-10-1-----	4-Methyl-2-pentanone		27	U
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)		5	U
100-42-5-----	Styrene		5	U
79-34-5-----	1,1,2,2-Tetrachloroethane		5	U
127-18-4-----	Tetrachloroethene		5	U
108-88-3-----	Toluene		5	U
120-82-1-----	1,2,4-Trichlorobenzene		5	U
71-55-6-----	1,1,1-Trichloroethane		5	U
79-00-5-----	1,1,2-Trichloroethane		5	U
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane		5	U
75-69-4-----	Trichlorofluoromethane		5	U
79-01-6-----	Trichloroethene		5	U
108-05-4-----	Vinyl acetate		27	U
75-01-4-----	Vinyl chloride		11	U
1330-20-7-----	Total Xylenes		16	U

METHOD 8260 - TCL VOLATILE ORGANICS  
TENTATIVELY IDENTIFIED COMPOUNDS

40/277

Client No.

ALBW10034

Lab Name: STL Buffalo Contract: 744538

Lab Code: REONY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL

Lab Sample ID: A6B01111

Sample wt/vol: 4.77 (g/mL) G

Lab File ID: F2506.RR

Level: (low/med) LOW

Date Samp/Recv: 09/25/2006 09/26/2006

% Moisture: not dec. 4.3

Date Analyzed: 09/28/2006

GC Column: DB-624 ID: 0.18 (mm)

Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q

METHOD 8260 - TCL VOLATILE ORGANICS  
ANALYSIS DATA SHEET

41/277

Client No.

ALBW10035

Lab Name: STL Buffalo

Contract: 744538

Lab Code: RECNY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: A6B01112

Sample wt/vol: 4.31 (g/mL) G Lab File ID: F2507.RR

Level: (low/med) LOW Date Samp/Recv: 09/25/2006 09/26/2006

% Moisture: not dec. 8 Heated Purge: Y Date Analyzed: 09/28/2006

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
67-64-1	Acetone		31	U
71-43-2	Benzene		6	U
75-27-4	Bromodichloromethane		6	U
75-25-2	Bromoform		6	U
74-83-9	Bromomethane		6	U
78-93-3	2-Butanone		31	U
75-15-0	Carbon Disulfide		6	U
56-23-5	Carbon Tetrachloride		6	U
108-90-7	Chlorobenzene		6	U
75-00-3	Chloroethane		6	U
67-66-3	Chloroform		6	U
74-87-3	Chloromethane		6	U
110-82-7	Cyclohexane		6	U
106-93-4	1,2-Dibromoethane		6	U
124-48-1	Dibromochloromethane		6	U
96-12-8	1,2-Dibromo-3-chloropropane		6	U
95-50-1	1,2-Dichlorobenzene		6	U
541-73-1	1,3-Dichlorobenzene		6	U
106-46-7	1,4-Dichlorobenzene		6	U
75-71-8	Dichlorodifluoromethane		3	J
75-34-3	1,1-Dichloroethane		6	U
107-06-2	1,2-Dichloroethane		6	U
75-35-4	1,1-Dichloroethene		6	U
156-59-2	cis-1,2-Dichloroethene		6	U
156-60-5	trans-1,2-Dichloroethene		6	U
78-87-5	1,2-Dichloropropane		6	U
10061-01-5	cis-1,3-Dichloropropene		6	U
10061-02-6	trans-1,3-Dichloropropene		6	U
100-41-4	Ethylbenzene		6	U
591-78-6	2-Hexanone		31	U
98-82-8	Isopropylbenzene		6	U
79-20-9	Methyl acetate		6	U
108-87-2	Methylcyclohexane		6	U
75-09-2	Methylene chloride		6	B

METHOD 8260 - TCL VOLATILE ORGANICS  
ANALYSIS DATA SHEET

42/277

Client No.

ALBW10035

Lab Name: STL Buffalo

Contract: 744538

Lab Code: RECNY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL

Lab Sample ID: A6B01112

Sample wt/vol: 4.31 (g/mL) G

Lab File ID: F2507.RR

Level: (low/med) LOW

Date Samp/Recv: 09/25/2006 09/26/2006

% Moisture: not dec. 8 Heated Purge: Y

Date Analyzed: 09/28/2006

GC Column: DB-624 ID: 0.18 (mm)

Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

108-10-1-----	4-Methyl-2-pentanone	31	U
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)	6	U
100-42-5-----	Styrene	6	U
79-34-5-----	1,1,2,2-Tetrachloroethane	6	U
127-18-4-----	Tetrachloroethene	6	U
108-88-3-----	Toluene	6	U
120-82-1-----	1,2,4-Trichlorobenzene	6	U
71-55-6-----	1,1,1-Trichloroethane	6	U
79-00-5-----	1,1,2-Trichloroethane	6	U
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	6	U
75-69-4-----	Trichlorofluoromethane	6	U
79-01-6-----	Trichloroethene	6	U
108-05-4-----	Vinyl acetate	31	U
75-01-4-----	Vinyl chloride	12	U
1330-20-7-----	Total Xylenes	19	U



METHOD 8260 - TCL VOLATILE ORGANICS  
TENTATIVELY IDENTIFIED COMPOUNDS

43/277

Client No.

ALBW10035

Lab Name: STL Buffalo Contract: 744538

Lab Code: RECNY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: A6B01112

Sample wt/vol: 4.31 (g/mL) G Lab File ID: F2507.RR

Level: (low/med) LOW Date Samp/Recv: 09/25/2006 09/26/2006

% Moisture: not dec: 7.6 Date Analyzed: 09/28/2006

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0 CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q

**STL Buffalo**  
10 Hazelwood Drive, Suite 106  
Amherst, NY 14228

Tel: 716 691 2600 Fax: 716 691 7991  
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ANALYTICAL REPORT

Job#: A06-B134

STL Project#: NY5A9493

Site Name: SENECA AD

Task: Seneca Army Depot Ash Landfill Biowall Monitoring

Chunhua Liu Sc.D.  
Parsons  
150 Federal Street, 4th Floor  
Boston, MA 02110

STL Buffalo

  
\_\_\_\_\_  
Anthony E. Bogoffin  
Project Manager

10/02/2006

## NON-CONFORMANCE SUMMARY

Job#: A06-B134STL Project#: NY5A9493Site Name: SENECA ADGeneral Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A06-B134

Sample Cooler(s) were received at the following temperature(s); 4.0 °C  
All samples were received in good condition.

GC/MS Volatile Data

The analyte Methylene Chloride was detected in Method Blank VBLK39 (A6B2723302) at a level above the project established reporting limit. Samples had levels of Methylene Chloride less than ten times that of the Method Blank value. All sample detections for Methylene Chloride may potentially be due to laboratory contamination and should be evaluated accordingly. All associated sample detections were qualified with a "B".

Initial calibration standard curve A6I0001976-1 exhibited the %RSD of several compounds as greater than 15%. However, the mean RSD of all compounds is 10.79%.

\*\*\*\*\*

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

R



**STL ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD**

**STL Buffalo**

STL Buffalo  
 10 Hazelwood Drive, Suite 106  
 Amherst, NY 14228  
 Ph: 716-691-2600  
 Fax: 716-691-7991  
 Website: www.stl-inc.com

Unknown

**PROJECT & CLIENT INFORMATION**

PROJECT REFERENCE NAME: Ash Landfill Remedial Action  
 PROJECT NO.: 744538-02100  
 P.O. NUMBER: 744538-30001-00  
 (STL) LAB PROJECT MANAGER: Tony Bogolin  
 CLIENT (SITE) PM: Jacqueline Travers/Chunhua Liu  
 CLIENT PHONE: 617-449-1567 (C. Liu)  
 CLIENT FAX: 617-946-9777  
 CLIENT EMAIL: chunhua.liu@parsons.com  
 CLIENT ADDRESS: 150 Federal Street, Boston, MA 02110  
 Samplers Signature & Initials:

REQUIRED ANALYSES  
 VOCs - Method 8260B

Lab Disposal

Final Report Type (Circle at least one): ASP2000 Category B  
 EDD 30 calendar days  
 TAT/ DATE DUE 3 calendar days Per  
 OAPI/Quote  
 EXPEDITED REPORT (circle one)  
 FAX EMAIL POST Other  
 TAT/ DATE DUE

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLED ON DATE	TIME	SAMPLE IDENTIFICATION	LABORATORY SAMPLE ID	SAMPLE TYPE	FIELD FILTERED	MATRIX	NUMBER OF CONTAINERS SUBMITTED		REMARKS
							8		
9/27/2006	11:05	ALBW10036		Grab	N S		1		1. Run straight sample analysis (without dilution) for every sample.
9/27/2006	11:15	ALBW10037		Grab	N S		1		2. Use CLP OLM03.2 TCL list for VOCs and SVOCs.
LAST Sample									
Preservative									

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
<i>[Signature]</i>	9/26/06	1648			
<i>[Signature]</i>	9/28/06	0845			

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT YES NO	LABORATORY SEAL NO.	LABORATORY REMARKS:
<i>[Signature]</i>			YES NO		4.0°C

METHOD 8260 - TCL VOLATILE ORGANICS  
ANALYSIS DATA SHEET

8/146

Client No.

ALBW10036

Lab Name: STL Buffalo

Contract: 744538

Lab Code: RECNY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: A6B13401

Sample wt/vol: 5.18 (g/mL) G Lab File ID: F2534.RR

Level: (low/med) LOW Date Samp/Recv: 09/27/2006 09/28/2006

% Moisture: not dec. 9 Heated Purge: Y Date Analyzed: 09/29/2006

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
67-64-1	Acetone	27		U
71-43-2	Benzene	5		U
75-27-4	Bromodichloromethane	5		U
75-25-2	Bromoform	5		U
74-83-9	Bromomethane	5		U
78-93-3	2-Butanone	27		U
75-15-0	Carbon Disulfide	5		U
56-23-5	Carbon Tetrachloride	5		U
108-90-7	Chlorobenzene	5		U
75-00-3	Chloroethane	5		U
67-66-3	Chloroform	5		U
74-87-3	Chloromethane	5		U
110-82-7	Cyclohexane	5		U
106-93-4	1,2-Dibromoethane	5		U
124-48-1	Dibromochloromethane	5		U
96-12-8	1,2-Dibromo-3-chloropropane	5		U
95-50-1	1,2-Dichlorobenzene	5		U
541-73-1	1,3-Dichlorobenzene	5		U
106-46-7	1,4-Dichlorobenzene	5		U
75-71-8	Dichlorodifluoromethane	3		J
75-34-3	1,1-Dichloroethane	5		U
107-06-2	1,2-Dichloroethane	5		U
75-35-4	1,1-Dichloroethene	5		U
156-59-2	cis-1,2-Dichloroethene	2		J
156-60-5	trans-1,2-Dichloroethene	5		U
78-87-5	1,2-Dichloropropane	5		U
10061-01-5	cis-1,3-Dichloropropene	5		U
10061-02-6	trans-1,3-Dichloropropene	5		U
100-41-4	Ethylbenzene	5		U
591-78-6	2-Hexanone	27		U
98-82-8	Isopropylbenzene	5		U
79-20-9	Methyl acetate	5		U
108-87-2	Methylcyclohexane	5		U
75-09-2	Methylene chloride	9		B

METHOD 8260 - TCL VOLATILE ORGANICS  
ANALYSIS DATA SHEET

9/146

Client No.

ALEW10036

Lab Name: STL Buffalo

Contract: 744538

Lab Code: RECNY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL

Lab Sample ID: A6B13401

Sample wt/vol: 5.18 (g/mL) G

Lab File ID: F2534.RR

Level: (low/med) LOW

Date Samp/Recv: 09/27/2006 09/28/2006

% Moisture: not dec. 9 Heated Purge: Y

Date Analyzed: 09/29/2006

GC Column: DB-624 ID: 0.18 (mm)

Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

108-10-1-----	4-Methyl-2-pentanone	27	U
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)	5	U
100-42-5-----	Styrene	5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	5	U
127-18-4-----	Tetrachloroethene	5	U
108-88-3-----	Toluene	5	U
120-82-1-----	1,2,4-Trichlorobenzene	5	U
71-55-6-----	1,1,1-Trichloroethane	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	5	U
75-69-4-----	Trichlorofluoromethane	5	U
79-01-6-----	Trichloroethene	5	U
108-05-4-----	Vinyl acetate	27	U
75-01-4-----	Vinyl chloride	11	U
1330-20-7-----	Total Xylenes	16	U

METHOD 8260 - TCL VOLATILE ORGANICS  
TENTATIVELY IDENTIFIED COMPOUNDS

10/146

Client No.

ALBW10036

Lab Name: STL Buffalo Contract: 744538

Lab Code: RECN Case No.:        SAS No.:        SDG No.:       

Matrix: (soil/water) SOIL Lab Sample ID: A6B13401

Sample wt/vol: 5.18 (g/mL) G Lab File ID: F2534.RR

Level: (low/med) LOW Date Samp/Recv: 09/27/2006 09/28/2006

% Moisture: not dec. 9.4 Date Analyzed: 09/29/2006

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume:        (uL) Soil Aliquot Volume:        (uL)

Number TICs found: 0 CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q

METHOD 8260 - TCL VOLATILE ORGANICS  
ANALYSIS DATA SHEET

11/146

Client No.

ALBW10037

Lab Name: STL Buffalo Contract: 744538

Lab Code: RECNY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: A6B13402

Sample wt/vol: 5.24 (g/mL) G Lab File ID: F2535.RR

Level: (low/med) LOW Date Samp/Recv: 09/27/2006 09/28/2006

% Moisture: not dec. 10 Heated Purge: Y Date Analyzed: 09/29/2006

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
67-64-1	Acetone		26	U
71-43-2	Benzene		5	U
75-27-4	Bromodichloromethane		5	U
75-25-2	Bromoform		5	U
74-83-9	Bromomethane		5	U
78-93-3	2-Butanone		26	U
75-15-0	Carbon Disulfide		5	U
56-23-5	Carbon Tetrachloride		5	U
108-90-7	Chlorobenzene		5	U
75-00-3	Chloroethane		5	U
67-66-3	Chloroform		5	U
74-87-3	Chloromethane		5	U
110-82-7	Cyclohexane		5	U
106-93-4	1,2-Dibromoethane		5	U
124-48-1	Dibromochloromethane		5	U
96-12-8	1,2-Dibromo-3-chloropropane		5	U
95-50-1	1,2-Dichlorobenzene		5	U
541-73-1	1,3-Dichlorobenzene		5	U
106-46-7	1,4-Dichlorobenzene		5	U
75-71-8	Dichlorodifluoromethane		3	J
75-34-3	1,1-Dichloroethane		5	U
107-06-2	1,2-Dichloroethane		5	U
75-35-4	1,1-Dichloroethene		5	U
156-59-2	cis-1,2-Dichloroethene		5	U
156-60-5	trans-1,2-Dichloroethene		5	U
78-87-5	1,2-Dichloropropane		5	U
10061-01-5	cis-1,3-Dichloropropene		5	U
10061-02-6	trans-1,3-Dichloropropene		5	U
100-41-4	Ethylbenzene		5	U
591-78-6	2-Hexanone		26	U
98-82-8	Isopropylbenzene		5	U
79-20-9	Methyl acetate		5	U
108-87-2	Methylcyclohexane		5	U
75-09-2	Methylene chloride		9	B



METHOD 8260 - TCL VOLATILE ORGANICS  
ANALYSIS DATA SHEET

12/146

Client No.

ALBW10037

Lab Name: STL Buffalo Contract: 744538

Lab Code: RECNY Case No.:        SAS No.:        SDG No.:       

Matrix: (soil/water) SOIL Lab Sample ID: A6B13402

Sample wt/vol: 5.24 (g/mL) G Lab File ID: F2535.RR

Level: (low/med) LOW Date Samp/Recv: 09/27/2006 09/28/2006

% Moisture: not dec. 10 Heated Purge: Y Date Analyzed: 09/29/2006

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume:        (uL) Soil Aliquot Volume:        (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG Q
108-10-1-----	4-Methyl-2-pentanone	26	U
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)	5	U
100-42-5-----	Styrene	5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	5	U
127-18-4-----	Tetrachloroethene	5	U
108-88-3-----	Toluene	5	U
120-82-1-----	1,2,4-Trichlorobenzene	5	U
71-55-6-----	1,1,1-Trichloroethane	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	5	U
75-69-4-----	Trichlorofluoromethane	5	U
79-01-6-----	Trichloroethene	5	U
108-05-4-----	Vinyl acetate	26	U
75-01-4-----	Vinyl chloride	10	U
1330-20-7-----	Total Xylenes	16	U

METHOD 8260 - TCL VOLATILE ORGANICS  
TENTATIVELY IDENTIFIED COMPOUNDS

13/146

Client No.

ALBW10037

Lab Name: STL Buffalo Contract: 744538

Lab Code: RECNV Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: A6B13402

Sample wt/vol: 5.24 (g/mL) G Lab File ID: F2535.RR

Level: (low/med) LOW Date Samp/Recv: 09/27/2006 09/28/2006

% Moisture: not dec. 9.6 Date Analyzed: 09/29/2006

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q

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SEVERN  
TRENT

STL

STL Buffalo  
10 Hazelwood Drive, Suite 106  
Amherst, NY 14228

Tel: 716 691 2600 Fax: 716 691 7991  
www.stl-inc.com


ANALYTICAL REPORT

Job#: A06-B246

STL Project#: NY5A9493  
Site Name: SENECA AD  
Task: Seneca Army Depot Ash Landfill Biowall Monitoring

Chunhua Liu Sc.D.  
Parsons  
150 Federal Street, 4th Floor  
Boston, MA 02110

STL Buffalo



---

Anthony H. Bogolin  
Project Manager

10/06/2006

## NON-CONFORMANCE SUMMARY

Job#: A06-B246STL Project#: NY5A9493Site Name: SENECA ADGeneral Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A06-B246

Sample Cooler(s) were received at the following temperature(s); 2.0 °C

At client's request, the sample ID for sample ALBW10038 was changed to ALFM10000.

GC/MS Volatile Data

The analyte Dichlorodifluoromethane was detected in Method Blank VBLK42 (A6B2745702) at a concentration below the project established reporting limit. No corrective action is necessary for any values in Method Blanks that are below the requested reporting limits.

The analyte Methylene Chloride was detected in Method Blank VBLK42 (A6B2745702) at a concentration above the project established reporting limit. Associated samples had concentrations of Methylene Chloride at less than ten times that detected in the Method Blank. All sample detections for Methylene Chloride are flagged accordingly and may potentially be due to laboratory contamination. All associated sample detections were qualified with a "B".

For Method 8260, the spike recoveries of Benzene, Chlorobenzene, Toluene, and Trichloroethene in the Matrix Spike and the recoveries of Chlorobenzene, Toluene, and Trichloroethene in the Matrix Spike Duplicate performed on sample ALFM10000 exceeded quality control limits. The associated Matrix Spike Blank recoveries are compliant.

Initial calibration standard curve A6I0001976 exhibited a percent Relative Standard Deviation (%RSD) for several compounds of greater than 15%. However, the mean RSD of all compounds is 10.79%.

GC/MS Semivolatile Data

Linear regression was used to calibrate all analytes that were greater than 15% RSD in the initial calibrations A6I0001972 and A6I0001804.

Metals Data

The CCB, analyzed at (07:50), exhibited results above the detection limit for Iron and Manganese. However, the sample was bracketed by compliant CCB's, therefore, no corrective action was necessary.

The Serial Dilution of sample ALFM10000 exceeded the quality control limits for Copper. However, the Post Spike of this sample was compliant. Therefore, no corrective action is necessary.

Wet Chemistry Data

No deviations from protocol were encountered during the analytical procedures.

\*\*\*\*\*

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.



## DATA QUALIFIER PAGE

*These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.*

### ORGANIC DATA QUALIFIERS

- ND or U Indicates compound was analyzed for, but not detected.
- J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
- C This flag applies to pesticide results where the identification has been confirmed by GC/MS.
- B This flag is used when the analyte is found in the associated blank, as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
- D This flag identifies all compounds identified in an analysis at the secondary dilution factor.
- N Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
- P This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
- A This flag indicates that a TIC is a suspected aldol-condensation product.
- † Indicates coelution.
- \* Indicates analysis is not within the quality control limits.

### INORGANIC DATA QUALIFIERS

- ND or U Indicates element was analyzed for, but not detected. Report with the detection limit value.
- J or B Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
- N Indicates spike sample recovery is not within the quality control limits.
- S Indicates value determined by the Method of Standard Addition.
- E Indicates a value estimated or not reported due to the presence of interferences.
- H Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
- \* Indicates the spike or duplicate analysis is not within the quality control limits.
- + Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

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 Coc 28-09-06-1  
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551694



**ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD**

**STL Buffalo**

STL Buffalo  
 10 Hazelwood Drive, Suite 106  
 Amherst, NY 14228  
 Ph: 716-691-2600  
 Fax: 716-691-7991  
 Website: www.stl-inc.com

Unknown

PROJECT & CLIENT INFORMATION		Project State																																				
PROJECT REFERENCE NAME Asst. Landfill Remedial Action	PROJECT NO. 744538-02100	NY																																				
STL (LAB) PROJECT MANAGER Tony Bogoffin	P.O. NUMBER 744538-30001-00	CONTRACT/QUOTE NO. 744538-30001-00																																				
CLIENT (SITE) PM Jacqueline Travers/Chunhua Liu	CLIENT PHONE 617-449-1567 (C. Liu)	CLIENT FAX 617-946-8777																																				
CLIENT NAME Parsons	CLIENT EMAIL chunhua.liu@parsons.com																																					
CLIENT ADDRESS 150 Federal Street, Boston, MA 02110 Samplers Signature & Initials:																																						
LABORATORY SAMPLE ID																																						
SAMPLED ON DATE		SAMPLE IDENTIFICATION																																				
9/28/2006		800 ALBW40038 Ns 9/29/06																																				
Last sample		ALFM 10000																																				
<table border="1"> <thead> <tr> <th colspan="2">REQUIRED ANALYSES</th> <th colspan="4">NUMBER OF CONTAINERS SUBMITTED</th> <th rowspan="2">REMARKS</th> </tr> <tr> <th>Method 6010B - Iron, Phosphorus, Potassium</th> <th>VOCs - Method 8260B</th> <th>SVOCs - Method 8270C</th> <th>7471A Cyanide - Method 6010B</th> <th>pesticides, herbicides, metals, reactivity, corrosivity, ignitability, PCBs</th> <th>Grain size analysis</th> <th></th> </tr> </thead> <tbody> <tr> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td>1. Run straight sample analysis (without dilution) for every sample. 2. Use CLP OLM03.2 TCL list for VOCs and SVOCs. 3. Each VOC sample includes 2 encores and 1 jar.</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Preservative</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Ice</td> </tr> </tbody> </table>				REQUIRED ANALYSES		NUMBER OF CONTAINERS SUBMITTED				REMARKS	Method 6010B - Iron, Phosphorus, Potassium	VOCs - Method 8260B	SVOCs - Method 8270C	7471A Cyanide - Method 6010B	pesticides, herbicides, metals, reactivity, corrosivity, ignitability, PCBs	Grain size analysis			X	X	X	X		1. Run straight sample analysis (without dilution) for every sample. 2. Use CLP OLM03.2 TCL list for VOCs and SVOCs. 3. Each VOC sample includes 2 encores and 1 jar.							Preservative							Ice
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						Preservative																																
						Ice																																
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RECEIVED BY: (SIGNATURE) [Signature]		DATE 9/29/06	TIME 0930	RECEIVED BY: (SIGNATURE)	DATE	TIME																																
RECEIVED FOR LABORATORY BY: (SIGNATURE)		DATE	TIME	LABORATORY SEAL NO.																																		
				8																																		
		LABORATORY REMARKS: 2.00c																																				

METHOD 8260 - TCL VOLATILE ORGANICS  
ANALYSIS DATA SHEET

Client No.

ALFM10000

Lab Name: STL BuffaloContract: 744538Lab Code: RECN Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_Matrix: (soil/water) SOILLab Sample ID: A6B24601Sample wt/vol: 5.00 (g/mL) GLab File ID: F2606.RRLevel: (low/med) LOWDate Samp/Recv: 09/28/2006 09/29/2006% Moisture: not dec. 23 Heated Purge: YDate Analyzed: 10/03/2006GC Column: DB-624 ID: 0.53 (mm)Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
67-64-1-----	Acetone		33	U
71-43-2-----	Benzene		6	U
75-27-4-----	Bromodichloromethane		6	U
75-25-2-----	Bromoform		6	U
74-83-9-----	Bromomethane		6	U
78-93-3-----	2-Butanone		33	U
75-15-0-----	Carbon Disulfide		6	U
56-23-5-----	Carbon Tetrachloride		6	U
108-90-7-----	Chlorobenzene		6	U
75-00-3-----	Chloroethane		6	U
67-66-3-----	Chloroform		6	U
74-87-3-----	Chloromethane		6	U
110-82-7-----	Cyclohexane		6	U
106-93-4-----	1,2-Dibromoethane		6	U
124-48-1-----	Dibromochloromethane		6	U
96-12-8-----	1,2-Dibromo-3-chloropropane		6	U
95-50-1-----	1,2-Dichlorobenzene		6	U
541-73-1-----	1,3-Dichlorobenzene		6	U
106-46-7-----	1,4-Dichlorobenzene		6	U
75-71-8-----	Dichlorodifluoromethane		6	U
75-34-3-----	1,1-Dichloroethane		6	U
107-06-2-----	1,2-Dichloroethane		6	U
75-35-4-----	1,1-Dichloroethene		6	U
156-59-2-----	cis-1,2-Dichloroethene		6	U
156-60-5-----	trans-1,2-Dichloroethene		6	U
78-87-5-----	1,2-Dichloropropane		6	U
10061-01-5----	cis-1,3-Dichloropropene		6	U
10061-02-6----	trans-1,3-Dichloropropene		6	U
100-41-4-----	Ethylbenzene		6	U
591-78-6-----	2-Hexanone		33	U
98-82-8-----	Isopropylbenzene		6	U
79-20-9-----	Methyl acetate		6	U
108-87-2-----	Methylcyclohexane		6	U
75-09-2-----	Methylene chloride		13	B



METHOD 8260 - TCL VOLATILE ORGANICS  
ANALYSIS DATA SHEET

Client No.

ALFMI0000

Lab Name: STL BuffaloContract: 744538Lab Code: RECNV Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_Matrix: (soil/water) SOILLab Sample ID: A6B24601Sample wt/vol: 5.00 (g/mL) GLab File ID: F2606.RRLevel: (low/med) LOWDate Samp/Recv: 09/28/2006 09/29/2006% Moisture: not dec. 23 Heated Purge: YDate Analyzed: 10/03/2006GC Column: DB-624 ID: 0.53 (mm)Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
108-10-1-----	4-Methyl-2-pentanone		33	U
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)		6	U
100-42-5-----	Styrene		6	U
79-34-5-----	1,1,2,2-Tetrachloroethane		6	U
127-18-4-----	Tetrachloroethene		6	U
108-88-3-----	Toluene		6	U
120-82-1-----	1,2,4-Trichlorobenzene		6	U
71-55-6-----	1,1,1-Trichloroethane		6	U
79-00-5-----	1,1,2-Trichloroethane		6	U
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane		6	U
75-69-4-----	Trichlorofluoromethane		6	U
79-01-6-----	Trichloroethene		6	U
108-05-4-----	Vinyl acetate		33	U
75-01-4-----	Vinyl chloride		13	U
1330-20-7-----	Total Xylenes		20	U

11\694

METHOD 8260 - TCL VOLATILE ORGANICS  
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

ALFM10000

Lab Name: STL Buffalo Contract: 744538

Lab Code: RECN Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: A6B24601

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F2606.RR

Level: (low/med) LOW Date Samp/Recv: 09/28/2006 09/29/2006

% Moisture: not dec. 23.4 Date Analyzed: 10/03/2006

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 1 CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 110-54-3	HEXANE	2.75	8	JN

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS  
ANALYSIS DATA SHEET

12\694

Client No.

ALFM10000

Lab Name: STL Buffalo Contract: 744538

Lab Code: RECNY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: A6B24601

Sample wt/vol: 30.23 (g/mL) G Lab File ID: X12161.RR

Level: (low/med) LOW Date Samp/Recv: 09/28/2006 09/29/2006

% Moisture: 23 decanted: (Y/N) N Date Extracted: 10/03/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/04/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

83-32-9-----	Acenaphthene	430	U
208-96-8-----	Acenaphthylene	430	U
98-86-2-----	Acetophenone	430	U
120-12-7-----	Anthracene	430	U
1912-24-9-----	Atrazine	430	U
100-52-7-----	Benzaldehyde	430	U
56-55-3-----	Benzo (a) anthracene	430	U
205-99-2-----	Benzo (b) fluoranthene	430	U
207-08-9-----	Benzo (k) fluoranthene	430	U
191-24-2-----	Benzo (ghi) perylene	430	U
50-32-8-----	Benzo (a) pyrene	430	U
92-52-4-----	Biphenyl	430	U
111-91-1-----	Bis (2-chloroethoxy) methane	430	U
111-44-4-----	Bis (2-chloroethyl) ether	430	U
108-60-1-----	2,2'-Oxybis (1-Chloropropane)	430	U
117-81-7-----	Bis (2-ethylhexyl) phthalate	430	U
101-55-3-----	4-Bromophenyl phenyl ether	430	U
85-68-7-----	Butyl benzyl phthalate	430	U
105-60-2-----	Caprolactam	430	U
106-47-8-----	4-Chloroaniline	430	U
59-50-7-----	4-Chloro-3-methylphenol	430	U
91-58-7-----	2-Chloronaphthalene	430	U
95-57-8-----	2-Chlorophenol	430	U
7005-72-3-----	4-Chlorophenyl phenyl ether	430	U
86-74-8-----	Carbazole	430	U
218-01-9-----	Chrysene	430	U
53-70-3-----	Dibenzo (a,h) anthracene	430	U
132-64-9-----	Dibenzofuran	430	U
84-74-2-----	Di-n-butyl phthalate	430	U
91-94-1-----	3,3'-Dichlorobenzidine	2100	U
120-83-2-----	2,4-Dichlorophenol	430	U
84-66-2-----	Diethyl phthalate	430	U

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS  
ANALYSIS DATA SHEET

13\694

Client No.

ALFML0000

Lab Name: STL Buffalo Contract: 744538

Lab Code: RECNY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: A6B24601

Sample wt/vol: 30.23 (g/mL) G Lab File ID: X12161.RR

Level: (low/med) LOW Date Samp/Recv: 09/28/2006 09/29/2006

% Moisture: 23 decanted: (Y/N) N Date Extracted: 10/03/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/04/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
105-67-9	2,4-Dimethylphenol	430		U
131-11-3	Dimethyl phthalate	430		U
534-52-1	4,6-Dinitro-2-methylphenol	2100		U
51-28-5	2,4-Dinitrophenol	2100		U
121-14-2	2,4-Dinitrotoluene	430		U
606-20-2	2,6-Dinitrotoluene	430		U
117-84-0	Di-n-octyl phthalate	430		U
206-44-0	Fluoranthene	430		U
86-73-7	Fluorene	430		U
118-74-1	Hexachlorobenzene	430		U
87-68-3	Hexachlorobutadiene	430		U
77-47-4	Hexachlorocyclopentadiene	430		U
67-72-1	Hexachloroethane	430		U
193-39-5	Indeno(1,2,3-cd)pyrene	430		U
78-59-1	Isophorone	430		U
91-57-6	2-Methylnaphthalene	430		U
95-48-7	2-Methylphenol	430		U
106-44-5	4-Methylphenol	14		J
91-20-3	Naphthalene	430		U
88-74-4	2-Nitroaniline	2100		U
99-09-2	3-Nitroaniline	2100		U
100-01-6	4-Nitroaniline	2100		U
98-95-3	Nitrobenzene	430		U
88-75-5	2-Nitrophenol	430		U
100-02-7	4-Nitrophenol	2100		U
86-30-6	N-nitrosodiphenylamine	430		U
621-64-7	N-Nitroso-Di-n-propylamine	430		U
87-86-5	Pentachlorophenol	2100		U
85-01-8	Phenanthrene	430		U
108-95-2	Phenol	430		U
129-00-0	Pyrene	430		U
95-95-4	2,4,5-Trichlorophenol	1000		U

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS  
ANALYSIS DATA SHEET

14694

Client No.

ALFM10000

Lab Name: STL Buffalo Contract: 744538

Lab Code: RECNV Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: A6B24601

Sample wt/vol: 30.23 (g/mL) G Lab File ID: X12161.RR

Level: (low/med) LOW Date Samp/Recv: 09/28/2006 09/29/2006

% Moisture: 23 decanted: (Y/N) N Date Extracted: 10/03/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/04/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/KG Q
88-06-2-----	2,4,6-Trichlorophenol	430	U

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS  
TENTATIVELY IDENTIFIED COMPOUNDS

15694

Client No.

ALFM10000

Lab Name: STL Buffalo Contract: 744538

Lab Code: RECNY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_

Matrix: (soil/water) SOIL Lab Sample ID: A6B24601

Sample wt/vol: 30.23 (g/mL) G Lab File ID: X12161.RR

Level: (low/med) LOW Date Samp/Recv: 09/28/2006 09/29/2006

% Moisture: 23.4 decanted: (Y/N) N Date Extracted: 10/03/2006

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 10/04/2006

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

Number TICs found: 9

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	6.40	210	J
2.	UNKNOWN	15.32	240	J
3. 112-95-8	ETICOSANE	15.88	350	JN
4.	UNKNOWN ALKANE	16.25	240	J
5.	UNKNOWN ALKANE	16.38	400	J
6.	UNKNOWN ALKANE	16.79	280	J
7. 630-04-6	HENIRIACONTANE	16.94	530	JN
8.	UNKNOWN ALKANE	17.59	190	J
9. 83-46-5	.BETA.SITOSTEROL	17.92	790	JN

STL BUFFALO

Parsons Inc.

-1-

## INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

ALFM10000

Contract: NY05-159

Lab Code: STLBLFO

Case No.:

SAS No.:

SDG NO.: A06-B246

Matrix (soil/water): SOIL

Lab Sample ID: AD657620

Level (low/med): LOW

Date Received: 9/29/2006

% Solids: 77

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5620			P
7440-36-0	Antimony	0.46	U		P
7440-38-2	Arsenic	2.4			P
7440-39-3	Barium	29.0			P
7440-41-7	Beryllium	0.21	B		P
7440-43-9	Cadmium	0.08	B		P
7440-70-2	Calcium	8100			P
7440-47-3	Chromium	6.6			P
7440-48-4	Cobalt	2.7			P
7440-50-8	Copper	5.7	E		P
7439-89-6	Iron	7740			P
7439-92-1	Lead	6.0			P
7439-95-4	Magnesium	3180			P
7439-96-5	Manganese	189			P
7440-02-0	Nickel	5.3			P
7440-09-7	Potassium	415			P
7782-49-2	Selenium	0.59	U		P
7439-97-6	Mercury	0.016	B		CV
7440-22-4	Silver	0.08	U		P
7440-23-5	Sodium	30.5	B		P
7440-28-0	Thallium	0.44	U		P
7440-62-2	Vanadium	10.7			P
7440-66-6	Zinc	25.4			P

Color Before: BROWN

Clarity Before: CLOUDY

Texture: TOPSOIL

Color After: YELLOW

Clarity After: CLDY/FI

Artifacts:

Comments:

Wet Chemistry Analysis

17694

Client Sample No.

ALFM10000

Lab Name: STL Buffalo

Contract: 744538

Lab Code: RECN

Case No.: \_\_\_\_\_

SAS No.: \_\_\_\_\_

SDG No.: \_\_\_\_\_

Matrix (soil/water): SOIL

Lab Sample ID: A6B24601

% Solids: 76.6

Date Samp/Recv: 09/28/2006 09/29/2006

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Ash Content	%	95.6				D-482-80	10/03/2006
Cyanide - Total	MG/KG	1.3	U			9012A	10/03/2006

Comments:

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**STL Buffalo**10 Hazelwood Drive, Suite 106  
Amherst, NY 14228Tel: 716 691 2600 Fax: 716 691 7991  
www.stl-inc.com

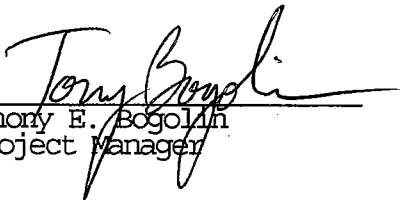
## ANALYTICAL REPORT

Job#: A06-B622

STL Project#: NY5A9521

Site Name: Parsons Seneca Army Depot (Parsons project 744538)Task: SEDA Ash Landfill TCLP analysisChunhua Liu Sc.D.  
Parsons  
150 Federal Street, 4th Floor  
Boston, MA 02110

STL Buffalo

  
\_\_\_\_\_  
Anthony E. Bogolyn  
Project Manager

10/19/2006

## NON-CONFORMANCE SUMMARY

Job#: A06-B622STL Project#: NY5A9521Site Name: Parsons Seneca Army Depot (Parsons project 744538)General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A06-B622

Sample Cooler(s) were received at the following temperature(s); 2.0 °C

Client sample ID was changed to ALDW10000 per Chunhua Liu on October 6, 2006.

GC/MS Volatile Data

No deviations from protocol were encountered during the analytical procedures.

GC/MS Semivolatile Data

The analytes 3-Methylphenol and 4-Methylphenol coelute and can not be analytically separated. The reported concentrations for these analytes are therefore a "total" number, rather than individual quantitated values.

GC Extractable Data

For method 8151, several compounds exhibited a percent difference greater than 15% from the expected amount in the associated continuing calibrations. The average of all analytes is within 15% and the associated laboratory quality control recoveries are compliant. No corrective action was required.

Metals Data

The analyte Barium was detected in the TCLP Extractor Blank (A6B2779901) at a level above the project established reporting limit. However, the sample had a level of Barium greater than ten times that of the TCLP Extractor Blank value, therefore, no corrective action was necessary.

Wet Chemistry Data

The U.S. EPA has determined the applicability of the Reactive Cyanide and Sulfide tests to be limited in part due to the poor recoveries obtainable with their procedures. The April 1998 memorandum entitled 'Withdrawal of Cyanide and Sulfide Reactivity Guidance' details the justification for this determination. Therefore, in conjunction with these test results, the U.S. EPA recommends the data user apply process or waste knowledge to determine if their waste exhibits the characteristic of reactivity.

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The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

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**STL ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD**  
**STL Buffalo**  
 10 Hazelwood Drive, Suite 106  
 Amherst, NY 14228  
 Ph: 716-691-2600  
 Fax: 716-691-7991  
 Website: www.stl-inc.com

Unknown

Lab Disposal

Project State: NY  
 PROJECT NO. 744538-02100  
 P.O. NUMBER 744538-30001-00  
 CONTRACT/QUOTE NO. 744538-30001-00  
 CLIENT PHONE 617-449-1567 (C. Liu)  
 CLIENT FAX 617-946-9777  
 CLIENT EMAIL chunhua.liu@parsons.com

STL (LAB) PROJECT MANAGER  
 Tony Bogolin

CLIENT (SITE) PM  
 Jacqueline Traverso/Chunhua Liu

CLIENT NAME  
 Parsons

CLIENT ADDRESS  
 150 Federal Street, Boston, MA 02110  
 Samplers Signature & Initials:

REQUIRED ANALYSES

Method 6010B - Iron, Phosphorus, Potassium	8	8	8	8	8
VOCs - Method 8260B	8	8	8	8	8
SVOCs - Method 8270C	8	8	8	8	8
Organics - Method 8010B, 7471A	8	8	8	8	8
TCAP - VOC, SVOC, pesticides, herbicides, metals, reactives, cyanides, ignitability, PCBs	8	8	8	8	8
Grain size analysis	8	8	8	8	8
TOC Analysis	8	8	8	8	8

Final Report Type (Circle at least one): ASP2000  
 Category B  
 EEO 30 calendar days  
 TAT/DATE DUE & calendar days Per  
 CAP/Quote  
 EXPEDITED REPORT (circle one)  
 FAX EMAIL POST Other  
 TAT/DATE DUE

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

LABORATORY SAMPLE ID	SAMPLE TYPE	FIELD FILTERED	MATRIX	Grab	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	DATE	TIME
1500 ALBW10039	N	S		Grab	10/5/2006	1500	<i>[Signature]</i>	<i>[Signature]</i>	10/6/06	0500	<i>[Signature]</i>	<i>[Signature]</i>		
Last sample														

REMARKS  
 1. Run straight sample analysis (without dilution) for every sample.  
 2. Use CLP OLM03.2 TCL list for VOCs and SVOCs.  
 3. Each VOC sample includes 2 enclosures and 1 jar.

Preservative

1cs

LABORATORY USE ONLY	CUSTODY SEAL NO.	YES	NO
	8		

RECEIVED FOR LABORATORY BY: (SIGNATURE)  
 DATE

RECEIVED BY: (SIGNATURE)  
 DATE

RECEIVED BY: (SIGNATURE)  
 DATE

RECEIVED BY: (SIGNATURE)  
 DATE

RECEIVED BY: (SIGNATURE)  
 DATE

RECEIVED BY: (SIGNATURE)  
 DATE

2.00c

Sample ID: ALDW10000

Lab Sample ID: A6B62201

Date Collected: 10/05/2006

Time Collected: 15:00

Date Received: 10/06/2006

Project No: NY5A9521

Client No: 51465

Site No:

Parameter	Result	Flag	Detection	Units	Method	—Date/Time—	Analyst
			Limit			Analyzed	
SW8463 8260 - TCLP VOLATILES - STANDARD CRQL'							
1,1-Dichloroethene	ND		0.050	MG/L	8260	10/11/2006 12:47	JMB
1,2-Dichloroethane	ND		0.050	MG/L	8260	10/11/2006 12:47	JMB
2-Butanone	ND		0.25	MG/L	8260	10/11/2006 12:47	JMB
Benzene	ND		0.050	MG/L	8260	10/11/2006 12:47	JMB
Carbon Tetrachloride	ND		0.050	MG/L	8260	10/11/2006 12:47	JMB
Chlorobenzene	ND		0.050	MG/L	8260	10/11/2006 12:47	JMB
Chloroform	ND		0.050	MG/L	8260	10/11/2006 12:47	JMB
Tetrachloroethene	ND		0.050	MG/L	8260	10/11/2006 12:47	JMB
Trichloroethene	ND		0.050	MG/L	8260	10/11/2006 12:47	JMB
Vinyl chloride	ND		0.050	MG/L	8260	10/11/2006 12:47	JMB
SW8463 8270 - TCLP BNA EXTRACTABLES							
1,4-Dichlorobenzene	ND		0.040	MG/L	8270	10/11/2006 17:06	PM
2,4,5-Trichlorophenol	ND		0.040	MG/L	8270	10/11/2006 17:06	PM
2,4,6-Trichlorophenol	ND		0.040	MG/L	8270	10/11/2006 17:06	PM
2,4-Dinitrotoluene	ND		0.040	MG/L	8270	10/11/2006 17:06	PM
2-Methylphenol	ND		0.040	MG/L	8270	10/11/2006 17:06	PM
3-Methylphenol	ND		0.040	MG/L	8270	10/11/2006 17:06	PM
4-Methylphenol	ND		0.040	MG/L	8270	10/11/2006 17:06	PM
Hexachlorobenzene	ND		0.040	MG/L	8270	10/11/2006 17:06	PM
Hexachlorobutadiene	ND		0.040	MG/L	8270	10/11/2006 17:06	PM
Hexachloroethane	ND		0.040	MG/L	8270	10/11/2006 17:06	PM
Nitrobenzene	ND		0.040	MG/L	8270	10/11/2006 17:06	PM
Pentachlorophenol	ND		0.20	MG/L	8270	10/11/2006 17:06	PM
Pyridine	ND		0.10	MG/L	8270	10/11/2006 17:06	PM
SOIL-SW8463 8082 - PCBS							
Aroclor 1016	ND		21	UG/KG	8082	10/09/2006 00:37	AJ
Aroclor 1221	ND		21	UG/KG	8082	10/09/2006 00:37	AJ
Aroclor 1232	ND		21	UG/KG	8082	10/09/2006 00:37	AJ
Aroclor 1242	ND		21	UG/KG	8082	10/09/2006 00:37	AJ
Aroclor 1248	ND		21	UG/KG	8082	10/09/2006 00:37	AJ
Aroclor 1254	ND		21	UG/KG	8082	10/09/2006 00:37	AJ
Aroclor 1260	ND		21	UG/KG	8082	10/09/2006 00:37	AJ
SW8463 8081 - TCLP PESTICIDES (U.M. = MG/L)							
Chlordane	ND		0.00050	MG/L	8081	10/11/2006 15:53	TCH
Endrin	ND		0.00005	MG/L	8081	10/11/2006 15:53	TCH
gamma-BHC (Lindane)	ND		0.00005	MG/L	8081	10/11/2006 15:53	TCH
Heptachlor	ND		0.00005	MG/L	8081	10/11/2006 15:53	TCH
Heptachlor epoxide	ND		0.00005	MG/L	8081	10/11/2006 15:53	TCH
Methoxychlor	ND		0.00005	MG/L	8081	10/11/2006 15:53	TCH
Toxaphene	ND		0.0010	MG/L	8081	10/11/2006 15:53	TCH
SW8463 8151 - TCLP HERBICIDES							
2,4,5-TP (Silvex)	ND		0.0020	MG/L	8151	10/10/2006 18:05	TCH
2,4-D	ND		0.0020	MG/L	8151	10/10/2006 18:05	TCH

Date: 10/19/2006

Time: 15:33:07

Parsons Seneca Army Depot (Parsons project 744538)  
SEDA Ash Landfill TCLP analysis

10/39 Page: 2  
Rept: AN1178

Sample ID: ALDW10000  
Lab Sample ID: A6B62201  
Date Collected: 10/05/2006  
Time Collected: 15:00

Date Received: 10/06/2006  
Project No: NY5A9521  
Client No: 51465  
Site No:

Parameter	Result	Flag	Detection		Method	Date/Time		Analyst
			Limit	Units		Analyzed		
<b>TCLP Metals Analysis</b>								
Arsenic - Total	ND		0.010	MG/L	6010	10/09/2006	17:51	AK
Barium - Total	2.2		0.0020	MG/L	6010	10/09/2006	17:51	AK
Cadmium - Total	0.060		0.0010	MG/L	6010	10/09/2006	17:51	AK
Chromium - Total	0.063		0.0040	MG/L	6010	10/09/2006	17:51	AK
Lead - Total	1.6		0.0050	MG/L	6010	10/09/2006	17:51	AK
Mercury - Total	ND		0.00020	MG/L	7470	10/09/2006	11:29	LH
Selenium - Total	ND		0.015	MG/L	6010	10/09/2006	17:51	AK
Silver - Total	ND		0.0030	MG/L	6010	10/09/2006	17:51	AK
<b>Wet Chemistry Analysis</b>								
Corrosivity (pH)	7.27		0	S.U.	9045	10/11/2006	19:42	RLG
Flashpoint	>200		0	°F	1010	10/06/2006	13:30	SM
H2S Released From Waste	ND		10	MG/KG	SECT7.3	10/06/2006	17:00	SM
HCN Released From Waste	ND		10	MG/KG	SECT7.3	10/06/2006	17:00	SM

**STL Buffalo**

10 Hazelwood Drive, Suite 106  
Amherst, NY 14228

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ANALYTICAL REPORT

Job#: A06-A513, A06-A783

STL Project#: NY5A9493


SDG#: 091406

Site Name: SENECA AD

Task: Seneca Army Depot Ash Landfill Biowall Monitoring

Chunhua Liu Sc.D.  
Parsons  
150 Federal Street, 4th Floor  
Boston, MA 02110

STL Buffalo

  
Anthony E. Bogolin  
Project Manager

09/27/2006

## NON-CONFORMANCE SUMMARY

Job#: A06-A513,A06-A783STL Project#: NY5A9493SDG#: 091406Site Name: SENECA ADGeneral Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A06-A513

Sample Cooler(s) were received at the following temperature(s); 5.8 °C

All samples were received in good condition.

A06-A783

Sample Cooler(s) were received at the following temperature(s); 2@2.0 °C

All samples were received in good condition.

GC/MS Volatile Data

The analyte Methylene Chloride was detected in Method Blank VBLK00 (A6B2628402) at a level above the project established reporting limit. The positive detections in the samples have been qualified "B".

The analytes Acetone and Toluene were detected in Method Blank VBLK33 (A6B2673702) at a level below the project established reporting limit. No corrective action is necessary for any values in Method Blanks that are below the requested reporting limits.

The analyte Methylene Chloride was detected in Method Blank VBLK33 (A6B2673702) at a level above the project established reporting limit. The associated samples have been qualified "B".

Initial calibration standard curve A6I0001933-1 exhibited the %RSD of the compounds Methylene Chloride, Acetone and Toluene as greater than 15%. However, the mean RSD of all compounds is 10.85%.



Initial calibration standard curve A6I0001936-1 exhibited the %RSD of the compounds Bromomethane, Methylene Chloride and Vinyl Acetate and the surrogate p-Bromofluorobenzene as greater than 15%. However, the mean RSD of all compounds is 7.54%.

Initial calibration standard curve A6I0001963-1 exhibited the %RSD of the compounds Dichlorodifluoromethane, Methylene Chloride, Bromomethane and Bromoform as greater than 15%. However, the mean RSD of all compounds is 7.25%.

The dilution of sample ALBW10020 has a positive result for Methyl Acetate and the original soil analysis had no positive result.

Sample ALBW10020 DL was analyzed using medium level techniques due to high concentration of the analyte Trichloroethene.

\*\*\*\*\*

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

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 Website: www.stl-inc.com

**SEVERN TREAT** ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD  
**STL Buffalo**

**PROJECT & CLIENT INFORMATION**

PROJECT REFERENCE NAME: Ash Landfill Remedial Action  
 PROJECT NO.: 744538-02100  
 P.O. NUMBER: 744538-30001-00  
 CONTRACT/Quote NO.: 744538-30001-00  
 CLIENT (SITE) PM: Jacqueline Traversa/Chunhua Liu  
 CLIENT PHONE: 617-448-1667 (C. Liu)  
 CLIENT FAX: 617-946-9777  
 CLIENT EMAIL: chunhua.liu@parsons.com  
 CLIENT NAME: parsons  
 CLIENT ADDRESS: 150 Federal Street, Boston, MA 02110  
 Samplers Signature & Initials:

PROJECT STATE: NY  
 PROJECT NO.: 744538-02100  
 P.O. NUMBER: 744538-30001-00  
 CONTRACT/Quote NO.: 744538-30001-00  
 CLIENT (SITE) PM: Jacqueline Traversa/Chunhua Liu  
 CLIENT PHONE: 617-448-1667 (C. Liu)  
 CLIENT FAX: 617-946-9777  
 CLIENT EMAIL: chunhua.liu@parsons.com  
 CLIENT NAME: parsons  
 CLIENT ADDRESS: 150 Federal Street, Boston, MA 02110  
 Samplers Signature & Initials:

SAMPLED ON		SAMPLE IDENTIFICATION	
DATE	TIME	DATE	TIME
9/13/2006	1330	ALBW10016	
9/13/2006	1345	ALBW10017	
9/13/2006	1355	ALBW10018	
9/13/2006	1400	ALBW10019	
9/13/2006	1453	ALBW00007	

LABORATORY SAMPLE ID	FIELD FILTERED	SAMPLE TYPE	Grab	MATRIX	REQUIRED ANALYSES			REMARKS
					VOCs - Method 8260B	Final Report Type (Circle at least one): ASP2000 Category B	EDD 30 calculator dival	
	N	S	1					
	N	S	1					
	N	S	1					
	N	S	1					
	N	W	1					

1. Run straight sample analysis (without dilution) for every sample.  
 2. Use CLP OLM03.2 TCL list for VOCs.  
 3. Each VOC sample includes 2 enclosures and 1 jar.

NUMBER OF COOLERS SUBMITTED PER SHIPMENT: \_\_\_\_\_

REMARKS: \_\_\_\_\_

RELINQUISHED BY: (SIGNATURE) \_\_\_\_\_ DATE: 9/13/06 TIME: 1522

RECEIVED BY: (SIGNATURE) \_\_\_\_\_ DATE: 9/14/06 TIME: 0910

RELINQUISHED BY: (SIGNATURE) \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

RECEIVED BY: (SIGNATURE) \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

RECEIVED FOR LABORATORY BY: (SIGNATURE) \_\_\_\_\_ DATE: 9/14/06 TIME: 0910

CUSTODY INTACT YES NO  
 YES [initials] NO [initials]

LABORATORY SEAL NO. [initials]

LABORATORY REMARKS: (5.8°C) (5.8°C)

Page 1 of 1 CCL# B-09-06-1 C Liu 9/14/06



**ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD**

**STL Buffalo**

STL Buffalo  
10 Hazelwood Drive, Suite 106  
Amherst, NY 14228  
Ph: 716-691-2600  
Fax: 716-691-7991  
Website: www.stl-inc.com

UNKNOWN

REQUIRED ANALYSES  
PAGE 1 OF 1  
Lab Disposal

**PROJECT & CLIENT INFORMATION**  
PROJECT NO. 744538-02100  
P.O. NUMBER 744538-30001-00  
CLIENT PHONE 817-449-1567 (C. Liu)  
CLIENT NAME Jacqueline Travers/Chunhua Liu  
CLIENT EMAIL chunhua.liu@parsons.com  
PROJECT STATE NY  
CONTRACT/ORDER NO. 744538-30001-00  
CLIENT FAX 817-946-9777

**CLIENT ADDRESS**  
150 Federal Street, Boston, MA 02110  
Samplers Signature & Initials:

LABORATORY SAMPLE ID	SAMPLE TYPE	FIELD FILTERED	MATRIX	NUMBER OF CONTAINERS SUBMITTED	REMARKS
1330 ALBW10016	Grab	N	S	1	1. Run straight sample analysis (without dilution) for every sample.
1345 ALBW10017	Grab	N	S	1	2. Use CLP OLM03.2 TCL list for VOCs.
1355 ALBW10018	Grab	N	S	1	3. Each VOC sample includes 2 encores and 1 jar.
1400 ALBW10019	Grab	N	S	1	
1453 ALBW00007	Grab	N	S	1	Preservative

DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
9/13/2006	1330						
9/13/2006	1345						
9/13/2006	1355						
9/13/2006	1400						
9/13/2006	1453						

**LABORATORY USE ONLY**  
LABORATORY SEAL NO.  YES  NO  
RECEIVED FOR LABORATORY BY: (SIGNATURE) DATE TIME  
RELINQUISHED BY: (SIGNATURE) DATE TIME  
RECEIVED BY: (SIGNATURE) DATE TIME

**ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD**

**STL Buffalo**

STL Buffalo  
 10 Hazelwood Drive, Suite 106  
 Amherst, NY 14228  
 Ph: 716-691-2600  
 Fax: 716-691-7991  
 Website: www.stl-inc.com

**PROJECT & CLIENT INFORMATION**

PROJECT NO. 744538-02100  
 P.O. NUMBER 744538-30001-00  
 CONTRACT/Quote NO. 744538-30001-00

STL (LAB) PROJECT MANAGER Tony Bogoin

CLIENT (SITE) PM Jacquelline Travers/Chunhua Liu  
 CLIENT PHONE 617-449-1567(C. Liu)  
 CLIENT FAX 617-946-9777  
 CLIENT EMAIL chunhua.liu@parsons.com

CLIENT ADDRESS 150 Federal Street, Boston, MA 02110  
 Samplers Signature & Initials:

**REQUIRED ANALYSES**

Final Report Type (Circle at least one): ASP2000  
 Category B EDD 30.callins@stl.com  
 TAT/DATE DUE 2 calendar days Per  
 QAP/Quote EXPEDITED REPORT (circle one)  
 FAX EMAIL POST Other  
 TAT/DATE DUE

STL Buffalo  
 10 Hazelwood Drive, Suite 106  
 Amherst, NY 14228  
 Ph: 716-691-2600  
 Fax: 716-691-7991  
 Website: www.stl-inc.com

SAMPLED ON DATE	TIME	SAMPLE IDENTIFICATION	LABORATORY SAMPLE ID	SAMPLE TYPE	FIELD FILTERED	MATRIX	NUMBER OF CONTAINERS SUBMITTED				REMARKS
9/20/2006	1304	ALBW10020	Composite	N	S		1	1	1	1	1. Run straight sample analysis (without dilution) for every sample. 2. Use CLP OLM03.2 TCL list for VOCs and SVOCs. 3. Each VOC sample includes 2 encosres and 1 jar.
9/20/2006	1225	ALBW10021	Grab	N	S		1	1	1	1	
9/20/2006	1239	ALBW10022	Grab	N	S		1	1	1	1	
9/20/2006	1250	ALBW10023	Grab	N	S		1	1	1	1	
RELINQUISHED BY: (SIGNATURE) DATE TIME RELINQUISHED BY: (SIGNATURE) DATE TIME RECEIVED BY: (SIGNATURE) DATE TIME RECEIVED BY: (SIGNATURE) DATE TIME											

65/407

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE) DATE TIME CUSTODY INTACT YES NO  
 RECEIVED FOR LABORATORY BY: (SIGNATURE) DATE TIME CUSTODY INTACT YES NO

LABORATORY REMARKS:

2020C

METHOD 8260 - TCL VOLATILE ORGANICS  
ANALYSIS DATA SHEET

Client No.

ALBW10016

Lab Name: STL BuffaloContract: 744538Lab Code: RECNY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 091406Matrix: (soil/water) SOILLab Sample ID: A6A51301Sample wt/vol: 5.78 (g/mL) GLab File ID: P3391.RRLevel: (low/med) LOWDate Samp/Recv: 09/13/2006 09/14/2006% Moisture: not dec. 18 Heated Purge: YDate Analyzed: 09/14/2006GC Column: DB-624 ID: 0.53 (mm)Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
67-64-1-----	Acetone		26	U
71-43-2-----	Benzene		5	U
75-27-4-----	Bromodichloromethane		5	U
75-25-2-----	Bromoform		5	U
74-83-9-----	Bromomethane		5	U
78-93-3-----	2-Butanone		26	U
75-15-0-----	Carbon Disulfide		5	U
56-23-5-----	Carbon Tetrachloride		5	U
108-90-7-----	Chlorobenzene		5	U
75-00-3-----	Chloroethane		5	U
67-66-3-----	Chloroform		5	U
74-87-3-----	Chloromethane		5	U
110-82-7-----	Cyclohexane		5	U
106-93-4-----	1,2-Dibromoethane		5	U
124-48-1-----	Dibromochloromethane		5	U
96-12-8-----	1,2-Dibromo-3-chloropropane		5	U
95-50-1-----	1,2-Dichlorobenzene		5	U
541-73-1-----	1,3-Dichlorobenzene		5	U
106-46-7-----	1,4-Dichlorobenzene		5	U
75-71-8-----	Dichlorodifluoromethane		5	U
75-34-3-----	1,1-Dichloroethane		5	U
107-06-2-----	1,2-Dichloroethane		5	U
75-35-4-----	1,1-Dichloroethene		5	U
156-59-2-----	cis-1,2-Dichloroethene		5	U
156-60-5-----	trans-1,2-Dichloroethene		5	U
78-87-5-----	1,2-Dichloropropane		5	U
10061-01-5----	cis-1,3-Dichloropropene		5	U
10061-02-6----	trans-1,3-Dichloropropene		5	U
100-41-4-----	Ethylbenzene		5	U
591-78-6-----	2-Hexanone		26	U
98-82-8-----	Isopropylbenzene		5	U
79-20-9-----	Methyl acetate		5	U
108-87-2-----	Methylcyclohexane		5	U
75-09-2-----	Methylene chloride		7	B

METHOD 8260 - TCL VOLATILE ORGANICS  
ANALYSIS DATA SHEET

Client No.

ALBW10016

Lab Name: STL BuffaloContract: 744538Lab Code: RECNY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 091406Matrix: (soil/water) SOILLab Sample ID: A6A51301Sample wt/vol: 5.78 (g/mL) GLab File ID: P3391.RRLevel: (low/med) LOWDate Samp/Recv: 09/13/2006 09/14/2006% Moisture: not dec. 18 Heated Purge: YDate Analyzed: 09/14/2006GC Column: DB-624 ID: 0.53 (mm)Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/KG	
108-10-1-----	4-Methyl-2-pentanone		26	U
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)		5	U
100-42-5-----	Styrene		5	U
79-34-5-----	1,1,2,2-Tetrachloroethane		5	U
127-18-4-----	Tetrachloroethene		5	U
108-88-3-----	Toluene		5	U
120-82-1-----	1,2,4-Trichlorobenzene		5	U
71-55-6-----	1,1,1-Trichloroethane		5	U
79-00-5-----	1,1,2-Trichloroethane		5	U
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane		5	U
75-69-4-----	Trichlorofluoromethane		5	U
79-01-6-----	Trichloroethene		5	U
108-05-4-----	Vinyl acetate		26	U
75-01-4-----	Vinyl chloride		10	U
1330-20-7-----	Total Xylenes		16	U

METHOD 8260 - TCL VOLATILE ORGANICS  
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

ALBW10016

Lab Name: STL Buffalo Contract: 744538

Lab Code: RECN Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 091406

Matrix: (soil/water) SOIL

Lab Sample ID: A6A51301

Sample wt/vol: 5.78 (g/mL) G

Lab File ID: P3391.RR

Level: (low/med) LOW

Date Samp/Recv: 09/13/2006 09/14/2006

% Moisture: not dec. 18.1

Date Analyzed: 09/14/2006

GC Column: DB-624 ID: 0.53 (mm)

Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q

METHOD 8260 - TCL VOLATILE ORGANICS  
ANALYSIS DATA SHEET

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Client No.

ALBW10017

Lab Name: STL Buffalo Contract: 744538

Lab Code: RECNY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 091406

Matrix: (soil/water) SOIL Lab Sample ID: A6A51302

Sample wt/vol: 5.36 (g/mL) G Lab File ID: P3392.RR

Level: (low/med) LOW Date Samp/Recv: 09/13/2006 09/14/2006

% Moisture: not dec. 21 Heated Purge: Y Date Analyzed: 09/14/2006

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

67-64-1-----	Acetone	30	U
71-43-2-----	Benzene	6	U
75-27-4-----	Bromodichloromethane	6	U
75-25-2-----	Bromoform	6	U
74-83-9-----	Bromomethane	6	U
78-93-3-----	2-Butanone	30	U
75-15-0-----	Carbon Disulfide	6	U
56-23-5-----	Carbon Tetrachloride	6	U
108-90-7-----	Chlorobenzene	6	U
75-00-3-----	Chloroethane	6	U
67-66-3-----	Chloroform	6	U
74-87-3-----	Chloromethane	6	U
110-82-7-----	Cyclohexane	6	U
106-93-4-----	1,2-Dibromoethane	6	U
124-48-1-----	Dibromochloromethane	6	U
96-12-8-----	1,2-Dibromo-3-chloropropane	6	U
95-50-1-----	1,2-Dichlorobenzene	6	U
541-73-1-----	1,3-Dichlorobenzene	6	U
106-46-7-----	1,4-Dichlorobenzene	6	U
75-71-8-----	Dichlorodifluoromethane	6	U
75-34-3-----	1,1-Dichloroethane	6	U
107-06-2-----	1,2-Dichloroethane	6	U
75-35-4-----	1,1-Dichloroethene	6	U
156-59-2-----	cis-1,2-Dichloroethene	6	U
156-60-5-----	trans-1,2-Dichloroethene	6	U
78-87-5-----	1,2-Dichloropropane	6	U
10061-01-5----	cis-1,3-Dichloropropene	6	U
10061-02-6----	trans-1,3-Dichloropropene	6	U
100-41-4-----	Ethylbenzene	6	U
591-78-6-----	2-Hexanone	30	U
98-82-8-----	Isopropylbenzene	6	U
79-20-9-----	Methyl acetate	6	U
108-87-2-----	Methylcyclohexane	6	U
75-09-2-----	Methylene chloride	8	B



METHOD 8260 - TCL VOLATILE ORGANICS  
ANALYSIS DATA SHEET

Client No.

ALBW10017

Lab Name: STL BuffaloContract: 744538Lab Code: RECNY

Case No.: \_\_\_\_\_

SAS No.: \_\_\_\_\_

SDG No.: 091406Matrix: (soil/water) SOILLab Sample ID: A6A51302Sample wt/vol: 5.36 (g/mL) GLab File ID: P3392.RRLevel: (low/med) LOWDate Samp/Recv: 09/13/2006 09/14/2006% Moisture: not dec. 21 Heated Purge: YDate Analyzed: 09/14/2006GC Column: DB-624 ID: 0.53 (mm)Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
108-10-1-----	4-Methyl-2-pentanone		30	U
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)		6	U
100-42-5-----	Styrene		6	U
79-34-5-----	1,1,2,2-Tetrachloroethane		6	U
127-18-4-----	Tetrachloroethene		6	U
108-88-3-----	Toluene		6	U
120-82-1-----	1,2,4-Trichlorobenzene		6	U
71-55-6-----	1,1,1-Trichloroethane		6	U
79-00-5-----	1,1,2-Trichloroethane		6	U
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane		6	U
75-69-4-----	Trichlorofluoromethane		6	U
79-01-6-----	Trichloroethene		6	U
108-05-4-----	Vinyl acetate		30	U
75-01-4-----	Vinyl chloride		12	U
1330-20-7-----	Total Xylenes		18	U

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METHOD 8260 - TCL VOLATILE ORGANICS  
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

ALBW10017

Lab Name: STL Buffalo Contract: 744538

Lab Code: RECNY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 091406

Matrix: (soil/water) SOIL Lab Sample ID: A6A51302

Sample wt/vol: 5.36 (g/mL) G Lab File ID: P3392.RR

Level: (low/med) LOW Date Samp/Recv: 09/13/2006 09/14/2006

% Moisture: not dec. 21.5 Date Analyzed: 09/14/2006

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0 CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q

METHOD 8260 - TCL VOLATILE ORGANICS  
ANALYSIS DATA SHEET

Client No.

ALEW10018

Lab Name: STL Buffalo Contract: 744538

Lab Code: RECNV Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 091406

Matrix: (soil/water) SOIL Lab Sample ID: A6A51303

Sample wt/vol: 6.04 (g/mL) G Lab File ID: P3393.RR

Level: (low/med) LOW Date Samp/Recv: 09/13/2006 09/14/2006

% Moisture: not dec. 18 Heated Purge: Y Date Analyzed: 09/14/2006

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

67-64-1	Acetone	25	U
71-43-2	Benzene	5	U
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	5	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5	U
56-23-5	Carbon Tetrachloride	5	U
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	5	U
110-82-7	Cyclohexane	5	U
106-93-4	1,2-Dibromoethane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5	U
79-20-9	Methyl acetate	5	U
108-87-2	Methylcyclohexane	5	U
75-09-2	Methylene chloride	6	B

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METHOD 8260 - TCL VOLATILE ORGANICS  
ANALYSIS DATA SHEET

Client No.

ALBW10018

Lab Name: SIL BuffaloContract: 744538Lab Code: RECNY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 091406Matrix: (soil/water) SOILLab Sample ID: A6A51303Sample wt/vol: 6.04 (g/mL) GLab File ID: P3393.RRLevel: (low/med) LOWDate Samp/Recv: 09/13/2006 09/14/2006% Moisture: not dec. 18 Heated Purge: YDate Analyzed: 09/14/2006GC Column: DB-624 ID: 0.53 (mm)Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
108-10-1-----	4-Methyl-2-pentanone		25	U
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)		5	U
100-42-5-----	Styrene		5	U
79-34-5-----	1,1,2,2-Tetrachloroethane		5	U
127-18-4-----	Tetrachloroethene		5	U
108-88-3-----	Toluene		5	U
120-82-1-----	1,2,4-Trichlorobenzene		5	U
71-55-6-----	1,1,1-Trichloroethane		5	U
79-00-5-----	1,1,2-Trichloroethane		5	U
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane		5	U
75-69-4-----	Trichlorofluoromethane		5	U
79-01-6-----	Trichloroethene		1	J
108-05-4-----	Vinyl acetate		25	U
75-01-4-----	Vinyl chloride		10	U
1330-20-7-----	Total Xylenes		15	U

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METHOD 8260 - TCL VOLATILE ORGANICS  
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

ALBW10018

Lab Name: STL Buffalo Contract: 744538

Lab Code: RECNY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 091406

Matrix: (soil/water) SOIL Lab Sample ID: A6A51303

Sample wt/vol: 6.04 (g/mL) G Lab File ID: P3393.RR

Level: (low/med) LOW Date Samp/Recv: 09/13/2006 09/14/2006

% Moisture: not dec. 17.5 Date Analyzed: 09/14/2006

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0 CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q

METHOD 8260 - TCL VOLATILE ORGANICS  
ANALYSIS DATA SHEET

Client No.

ALEW10019

Lab Name: STL Buffalo Contract: 744538Lab Code: RECNY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 091406Matrix: (soil/water) SOIL Lab Sample ID: AGA51304Sample wt/vol: 5.95 (g/mL) G Lab File ID: P3394.RRLevel: (low/med) LOW Date Samp/Recv: 09/13/2006 09/14/2006% Moisture: not dec. 18 Heated Purge: Y Date Analyzed: 09/14/2006GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
67-64-1	Acetone	26		U
71-43-2	Benzene	5		U
75-27-4	Bromodichloromethane	5		U
75-25-2	Bromoform	5		U
74-83-9	Bromomethane	5		U
78-93-3	2-Butanone	26		U
75-15-0	Carbon Disulfide	5		U
56-23-5	Carbon Tetrachloride	5		U
108-90-7	Chlorobenzene	5		U
75-00-3	Chloroethane	5		U
67-66-3	Chloroform	5		U
74-87-3	Chloromethane	5		U
110-82-7	Cyclohexane	5		U
106-93-4	1,2-Dibromoethane	5		U
124-48-1	Dibromochloromethane	5		U
96-12-8	1,2-Dibromo-3-chloropropane	5		U
95-50-1	1,2-Dichlorobenzene	5		U
541-73-1	1,3-Dichlorobenzene	5		U
106-46-7	1,4-Dichlorobenzene	5		U
75-71-8	Dichlorodifluoromethane	5		U
75-34-3	1,1-Dichloroethane	5		U
107-06-2	1,2-Dichloroethane	5		U
75-35-4	1,1-Dichloroethene	5		U
156-59-2	cis-1,2-Dichloroethene	5		U
156-60-5	trans-1,2-Dichloroethene	5		U
78-87-5	1,2-Dichloropropane	5		U
10061-01-5	cis-1,3-Dichloropropene	5		U
10061-02-6	trans-1,3-Dichloropropene	5		U
100-41-4	Ethylbenzene	5		U
591-78-6	2-Hexanone	26		U
98-82-8	Isopropylbenzene	5		U
79-20-9	Methyl acetate	5		U
108-87-2	Methylcyclohexane	5		U
75-09-2	Methylene chloride	6		B

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METHOD 8260 - TCL VOLATILE ORGANICS  
ANALYSIS DATA SHEET

Client No.

ALBW10019

Lab Name: STL BuffaloContract: 744538Lab Code: RECNY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 091406Matrix: (soil/water) SOILLab Sample ID: A6A51304Sample wt/vol: 5.95 (g/mL) GLab File ID: P3394.RRLevel: (low/med) LOWDate Samp/Recv: 09/13/2006 09/14/2006% Moisture: not dec. 18 Heated Purge: YDate Analyzed: 09/14/2006GC Column: DB-624 ID: 0.53 (mm)Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
108-10-1-----	4-Methyl-2-pentanone	26	U	
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)	5	U	
100-42-5-----	Styrene	5	U	
79-34-5-----	1,1,2,2-Tetrachloroethane	5	U	
127-18-4-----	Tetrachloroethene	5	U	
108-88-3-----	Toluene	5	U	
120-82-1-----	1,2,4-Trichlorobenzene	5	U	
71-55-6-----	1,1,1-Trichloroethane	5	U	
79-00-5-----	1,1,2-Trichloroethane	5	U	
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane	5	U	
75-69-4-----	Trichlorofluoromethane	5	U	
79-01-6-----	Trichloroethene	5	U	
108-05-4-----	Vinyl acetate	26	U	
75-01-4-----	Vinyl chloride	10	U	
1330-20-7-----	Total Xylenes	15	U	

METHOD 8260 - TCL VOLATILE ORGANICS  
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

ALBW10019

Lab Name: STL BuffaloContract: 744538Lab Code: RECN Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 091406Matrix: (soil/water) SOILLab Sample ID: A6A51304Sample wt/vol: 5.95 (g/mL) GLab File ID: P3394.RRLevel: (low/med) LOWDate Samp/Recv: 09/13/2006 09/14/2006% Moisture: not dec. 17.6Date Analyzed: 09/14/2006GC Column: DB-624 ID: 0.53 (mm)Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q



METHOD 8260 - TCL VOLATILE ORGANICS  
ANALYSIS DATA SHEET

Client No.

ALBW10020

Lab Name: STL BuffaloContract: 744538Lab Code: RECNY

Case No.: \_\_\_\_\_

SAS No.: \_\_\_\_\_

SDG No.: 091406Matrix: (soil/water) SOILLab Sample ID: A6A78301Sample wt/vol: 4.25 (g/mL) GLab File ID: F2424.RRLevel: (low/med) LOWDate Samp/Recv: 09/20/2006 09/21/2006% Moisture: not dec. 6 Heated Purge: YDate Analyzed: 09/22/2006GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
67-64-1	Acetone		31	U
71-43-2	Benzene		6	U
75-27-4	Bromodichloromethane		6	U
75-25-2	Bromoform		6	U
74-83-9	Bromomethane		6	U
78-93-3	2-Butanone		31	U
75-15-0	Carbon Disulfide		6	U
56-23-5	Carbon Tetrachloride		6	U
108-90-7	Chlorobenzene		6	U
75-00-3	Chloroethane		6	U
67-66-3	Chloroform		6	U
74-87-3	Chloromethane		6	U
110-82-7	Cyclohexane		6	U
106-93-4	1,2-Dibromoethane		6	U
124-48-1	Dibromochloromethane		6	U
96-12-8	1,2-Dibromo-3-chloropropane		6	U
95-50-1	1,2-Dichlorobenzene		6	U
541-73-1	1,3-Dichlorobenzene		6	U
106-46-7	1,4-Dichlorobenzene		6	U
75-71-8	Dichlorodifluoromethane		6	U
75-34-3	1,1-Dichloroethane		6	U
107-06-2	1,2-Dichloroethane		6	U
75-35-4	1,1-Dichloroethene		6	U
156-59-2	cis-1,2-Dichloroethene		6	U
156-60-5	trans-1,2-Dichloroethene		6	U
78-87-5	1,2-Dichloropropane		6	U
10061-01-5	cis-1,3-Dichloropropene		6	U
10061-02-6	trans-1,3-Dichloropropene		6	U
100-41-4	Ethylbenzene		6	U
591-78-6	2-Hexanone		31	U
98-82-8	Isopropylbenzene		6	U
79-20-9	Methyl acetate		6	U
108-87-2	Methylcyclohexane		6	U
75-09-2	Methylene chloride		2	BJ

METHOD 8260 - TCL VOLATILE ORGANICS  
ANALYSIS DATA SHEET

Client No.

ALEW10020

Lab Name: STL BuffaloContract: 744538Lab Code: RECNV Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 091406Matrix: (soil/water) SOILLab Sample ID: A6A78301Sample wt/vol: 4.25 (g/mL) GLab File ID: F2424.RRLevel: (low/med) LOWDate Samp/Recv: 09/20/2006 09/21/2006% Moisture: not dec. 6 Heated Purge: YDate Analyzed: 09/22/2006GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
108-10-1-----	4-Methyl-2-pentanone		31	U
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)		6	U
100-42-5-----	Styrene		6	U
79-34-5-----	1,1,2,2-Tetrachloroethane		6	U
127-18-4-----	Tetrachloroethene		6	U
108-88-3-----	Toluene		6	U
120-82-1-----	1,2,4-Trichlorobenzene		6	U
71-55-6-----	1,1,1-Trichloroethane		6	U
79-00-5-----	1,1,2-Trichloroethane		6	U
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane		6	U
75-69-4-----	Trichlorofluoromethane		6	U
79-01-6-----	Trichloroethene		280	E
108-05-4-----	Vinyl acetate		31	U
75-01-4-----	Vinyl chloride		12	U
1330-20-7-----	Total Xylenes		19	U

METHOD 8260 - TCL VOLATILE ORGANICS  
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

ALBW10020

Lab Name: STL BuffaloContract: 744538Lab Code: RECN Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 091406Matrix: (soil/water) SOILLab Sample ID: A6A78301Sample wt/vol: 4.25 (g/mL) GLab File ID: F2424.RRLevel: (low/med) LOWDate Samp/Recv: 09/20/2006 09/21/2006% Moisture: not dec. 6.1Date Analyzed: 09/22/2006GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 1CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	2.95	6	J

METHOD 8260 - TCL VOLATILE ORGANICS  
ANALYSIS DATA SHEET

24/407

Client No.

ALBW10020 DL

Lab Name: STL Buffalo Contract: 744538

Lab Code: RECNY Case No.:        SAS No.:        SDG No.: 091406

Matrix: (soil/water) SOIL Lab Sample ID: A6A78301DL

Sample wt/vol: 4.47 (g/mL) G Lab File ID: Q5524.RR

Level: (low/med) MED Date Samp/Recv: 09/20/2006 09/21/2006

% Moisture: not dec. 6 Heated Purge: N Date Analyzed: 09/24/2006

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100.00 (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
67-64-1	Acetone	600		U
71-43-2	Benzene	120		U
75-27-4	Bromodichloromethane	120		U
75-25-2	Bromoform	120		U
74-83-9	Bromomethane	120		U
78-93-3	2-Butanone	600		U
75-15-0	Carbon Disulfide	120		U
56-23-5	Carbon Tetrachloride	120		U
108-90-7	Chlorobenzene	120		U
75-00-3	Chloroethane	120		U
67-66-3	Chloroform	120		U
74-87-3	Chloromethane	120		U
110-82-7	Cyclohexane	120		U
106-93-4	1,2-Dibromoethane	120		U
124-48-1	Dibromochloromethane	120		U
96-12-8	1,2-Dibromo-3-chloropropane	120		U
95-50-1	1,2-Dichlorobenzene	120		U
541-73-1	1,3-Dichlorobenzene	120		U
106-46-7	1,4-Dichlorobenzene	120		U
75-71-8	Dichlorodifluoromethane	120		U
75-34-3	1,1-Dichloroethane	120		U
107-06-2	1,2-Dichloroethane	120		U
75-35-4	1,1-Dichloroethene	120		U
156-59-2	cis-1,2-Dichloroethene	120		U
156-60-5	trans-1,2-Dichloroethene	120		U
78-87-5	1,2-Dichloropropane	120		U
10061-01-5	cis-1,3-Dichloropropene	120		U
10061-02-6	trans-1,3-Dichloropropene	120		U
100-41-4	Ethylbenzene	120		U
591-78-6	2-Hexanone	600		U
98-82-8	Isopropylbenzene	120		U
79-20-9	Methyl acetate	160		D
108-87-2	Methylcyclohexane	120		U
75-09-2	Methylene chloride	170		D

METHOD 8260 - TCL VOLATILE ORGANICS  
ANALYSIS DATA SHEET

Client No.

ALBW10020 DL

Lab Name: SIL BuffaloContract: 744538Lab Code: RECNY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 091406Matrix: (soil/water) SOILLab Sample ID: A6A78301DLSample wt/vol: 4.47 (g/mL) GLab File ID: Q5524.RRLevel: (low/med) MEDDate Samp/Recv: 09/20/2006 09/21/2006% Moisture: not dec. 6 Heated Purge: NDate Analyzed: 09/24/2006GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00Soil Extract Volume: 10000 (uL)Soil Aliquot Volume: 100.00 (uL)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
108-10-1-----	4-Methyl-2-pentanone		600	U
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)		120	U
100-42-5-----	Styrene		120	U
79-34-5-----	1,1,2,2-Tetrachloroethane		120	U
127-18-4-----	Tetrachloroethene		120	U
108-88-3-----	Toluene		120	U
120-82-1-----	1,2,4-Trichlorobenzene		120	U
71-55-6-----	1,1,1-Trichloroethane		120	U
79-00-5-----	1,1,2-Trichloroethane		120	U
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane		120	U
75-69-4-----	Trichlorofluoromethane		120	U
79-01-6-----	Trichloroethene		6600	D
108-05-4-----	Vinyl acetate		600	U
75-01-4-----	Vinyl chloride		240	U
1330-20-7-----	Total Xylenes		360	U

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METHOD 8260 - TCL VOLATILE ORGANICS  
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

ALEW10020 DL

Lab Name: SIL Buffalo Contract: 744538

Lab Code: RECNY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 091406

Matrix: (soil/water) SOIL Lab Sample ID: AGA78301DL

Sample wt/vol: 4.47 (g/mL) G Lab File ID: Q5524.RR

Level: (low/med) MED Date Samp/Recv: 09/20/2006 09/21/2006

% Moisture: not dec. 6.1 Date Analyzed: 09/24/2006

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100.00 (uL)

Number TICs found: 1 CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN SILOXANE	10.68	320	J

METHOD 8260 - TCL VOLATILE ORGANICS  
ANALYSIS DATA SHEET

Client No.

ALEW10021

Lab Name: STL BuffaloContract: 744538Lab Code: RECNY

Case No.: \_\_\_\_\_

SAS No.: \_\_\_\_\_

SDG No.: 091406Matrix: (soil/water) SOILLab Sample ID: AGA78302Sample wt/vol: 5.82 (g/mL) GLab File ID: F2425.RRLevel: (low/med) LOWDate Samp/Recv: 09/20/2006 09/21/2006% Moisture: not dec. 15 Heated Purge: YDate Analyzed: 09/22/2006GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
67-64-1-----	Acetone		25	U
71-43-2-----	Benzene		5	U
75-27-4-----	Bromodichloromethane		5	U
75-25-2-----	Bromoform		5	U
74-83-9-----	Bromomethane		5	U
78-93-3-----	2-Butanone		25	U
75-15-0-----	Carbon Disulfide		5	U
56-23-5-----	Carbon Tetrachloride		5	U
108-90-7-----	Chlorobenzene		5	U
75-00-3-----	Chloroethane		5	U
67-66-3-----	Chloroform		5	U
74-87-3-----	Chloromethane		5	U
110-82-7-----	Cyclohexane		5	U
106-93-4-----	1,2-Dibromoethane		5	U
124-48-1-----	Dibromochloromethane		5	U
96-12-8-----	1,2-Dibromo-3-chloropropane		5	U
95-50-1-----	1,2-Dichlorobenzene		5	U
541-73-1-----	1,3-Dichlorobenzene		5	U
106-46-7-----	1,4-Dichlorobenzene		5	U
75-71-8-----	Dichlorodifluoromethane		5	U
75-34-3-----	1,1-Dichloroethane		5	U
107-06-2-----	1,2-Dichloroethane		5	U
75-35-4-----	1,1-Dichloroethene		5	U
156-59-2-----	cis-1,2-Dichloroethene		4	J
156-60-5-----	trans-1,2-Dichloroethene		5	U
78-87-5-----	1,2-Dichloropropane		5	U
10061-01-5----	cis-1,3-Dichloropropene		5	U
10061-02-6----	trans-1,3-Dichloropropene		5	U
100-41-4-----	Ethylbenzene		5	U
591-78-6-----	2-Hexanone		25	U
98-82-8-----	Isopropylbenzene		5	U
79-20-9-----	Methyl acetate		5	U
108-87-2-----	Methylcyclohexane		5	U
75-09-2-----	Methylene chloride		2	BJ

METHOD 8260 - TCL VOLATILE ORGANICS  
ANALYSIS DATA SHEET

Client No.

ALBW10021

Lab Name: STL BuffaloContract: 744538Lab Code: RECNY

Case No.: \_\_\_\_\_

SAS No.: \_\_\_\_\_

SDG No.: 091406Matrix: (soil/water) SOILLab Sample ID: A6A78302Sample wt/vol: 5.82 (g/mL) GLab File ID: F2425.RRLevel: (low/med) LOWDate Samp/Recv: 09/20/2006 09/21/2006% Moisture: not dec. 15 Heated Purge: YDate Analyzed: 09/22/2006GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
108-10-1-----	4-Methyl-2-pentanone		25	U
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)		5	U
100-42-5-----	Styrene		5	U
79-34-5-----	1,1,2,2-Tetrachloroethane		5	U
127-18-4-----	Tetrachloroethene		5	U
108-88-3-----	Toluene		5	U
120-82-1-----	1,2,4-Trichlorobenzene		5	U
71-55-6-----	1,1,1-Trichloroethane		5	U
79-00-5-----	1,1,2-Trichloroethane		5	U
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane		5	U
75-69-4-----	Trichlorofluoromethane		5	U
79-01-6-----	Trichloroethene		5	U
108-05-4-----	Vinyl acetate		25	U
75-01-4-----	Vinyl chloride		10	U
1330-20-7-----	Total Xylenes		15	U



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METHOD 8260 - TCL VOLATILE ORGANICS  
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

ALEW10021

Lab Name: STL Buffalo Contract: 744538

Lab Code: RECNY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 091406

Matrix: (soil/water) SOIL Lab Sample ID: A6A78302

Sample wt/vol: 5.82 (g/mL) G Lab File ID: F2425.RR

Level: (low/med) LOW Date Samp/Recv: 09/20/2006 09/21/2006

% Moisture: not dec. 15.0 Date Analyzed: 09/22/2006

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0 CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q

METHOD 8260 - TCL VOLATILE ORGANICS  
ANALYSIS DATA SHEET

Client No.

ALEW10022

Lab Name: SIL BuffaloContract: 744538Lab Code: RECNY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 091406Matrix: (soil/water) SOILLab Sample ID: AGA78303Sample wt/vol: 6.30 (g/mL) GLab File ID: F2426.RRLevel: (low/med) LOWDate Samp/Recv: 09/20/2006 09/21/2006% Moisture: not dec. 12 Heated Purge: YDate Analyzed: 09/22/2006GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
67-64-1	Acetone		23	U
71-43-2	Benzene		4	U
75-27-4	Bromodichloromethane		4	U
75-25-2	Bromoform		4	U
74-83-9	Bromomethane		4	U
78-93-3	2-Butanone		23	U
75-15-0	Carbon Disulfide		4	U
56-23-5	Carbon Tetrachloride		4	U
108-90-7	Chlorobenzene		4	U
75-00-3	Chloroethane		4	U
67-66-3	Chloroform		4	U
74-87-3	Chloromethane		4	U
110-82-7	Cyclohexane		4	U
106-93-4	1,2-Dibromoethane		4	U
124-48-1	Dibromochloromethane		4	U
96-12-8	1,2-Dibromo-3-chloropropane		4	U
95-50-1	1,2-Dichlorobenzene		4	U
541-73-1	1,3-Dichlorobenzene		4	U
106-46-7	1,4-Dichlorobenzene		4	U
75-71-8	Dichlorodifluoromethane		4	U
75-34-3	1,1-Dichloroethane		4	U
107-06-2	1,2-Dichloroethane		4	U
75-35-4	1,1-Dichloroethene		4	U
156-59-2	cis-1,2-Dichloroethene		4	U
156-60-5	trans-1,2-Dichloroethene		4	U
78-87-5	1,2-Dichloropropane		4	U
10061-01-5	cis-1,3-Dichloropropene		4	U
10061-02-6	trans-1,3-Dichloropropene		4	U
100-41-4	Ethylbenzene		4	U
591-78-6	2-Hexanone		23	U
98-82-8	Isopropylbenzene		4	U
79-20-9	Methyl acetate		4	U
108-87-2	Methylcyclohexane		4	U
75-09-2	Methylene chloride		2	BJ

METHOD 8260 - TCL VOLATILE ORGANICS  
ANALYSIS DATA SHEET

Client No.

ALBW10022

Lab Name: STL Buffalo Contract: 744538Lab Code: RECNY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 091406Matrix: (soil/water) SOILLab Sample ID: A6A78303Sample wt/vol: 6.30 (g/mL) GLab File ID: F2426.RRLevel: (low/med) LOWDate Samp/Recv: 09/20/2006 09/21/2006% Moisture: not dec. 12 Heated Purge: YDate Analyzed: 09/22/2006GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
108-10-1	4-Methyl-2-pentanone		23	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)		4	U
100-42-5	Styrene		4	U
79-34-5	1,1,2,2-Tetrachloroethane		4	U
127-18-4	Tetrachloroethene		4	U
108-88-3	Toluene		4	U
120-82-1	1,2,4-Trichlorobenzene		4	U
71-55-6	1,1,1-Trichloroethane		4	U
79-00-5	1,1,2-Trichloroethane		4	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane		4	U
75-69-4	Trichlorofluoromethane		4	U
79-01-6	Trichloroethene		4	U
108-05-4	Vinyl acetate		23	U
75-01-4	Vinyl chloride		9	U
1330-20-7	Total Xylenes		14	U

METHOD 8260 - TCL VOLATILE ORGANICS  
TENTATIVELY IDENTIFIED COMPOUNDS

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Client No.

ALBW10022

Lab Name: STL Buffalo Contract: 744538

Lab Code: RECN Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 091406

Matrix: (soil/water) SOIL

Lab Sample ID: A6A78303

Sample wt/vol: 6.30 (g/mL) G

Lab File ID: F2426.RR

Level: (low/med) LOW

Date Samp/Recv: 09/20/2006 09/21/2006

% Moisture: not dec. 12.3

Date Analyzed: 09/22/2006

GC Column: DB-624 ID: 0.25 (mm)

Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 1

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	1.30	5	J

METHOD 8260 - TCL VOLATILE ORGANICS  
ANALYSIS DATA SHEET

Client No.

ALBW10023

Lab Name: STL BuffaloContract: 744538Lab Code: RECNY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 091406Matrix: (soil/water) SOILLab Sample ID: A6A78304Sample wt/vol: 6.88 (g/mL) GLab File ID: F2427.RRLevel: (low/med) LOWDate Samp/Recv: 09/20/2006 09/21/2006% Moisture: not dec. 14 Heated Purge: YDate Analyzed: 09/22/2006GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
67-64-1-----	Acetone		6	BJ
71-43-2-----	Benzene		4	U
75-27-4-----	Bromodichloromethane		4	U
75-25-2-----	Bromoform		4	U
74-83-9-----	Bromomethane		4	U
78-93-3-----	2-Butanone		21	U
75-15-0-----	Carbon Disulfide		4	U
56-23-5-----	Carbon Tetrachloride		4	U
108-90-7-----	Chlorobenzene		4	U
75-00-3-----	Chloroethane		4	U
67-66-3-----	Chloroform		4	U
74-87-3-----	Chloromethane		4	U
110-82-7-----	Cyclohexane		4	U
106-93-4-----	1,2-Dibromoethane		4	U
124-48-1-----	Dibromochloromethane		4	U
96-12-8-----	1,2-Dibromo-3-chloropropane		4	U
95-50-1-----	1,2-Dichlorobenzene		4	U
541-73-1-----	1,3-Dichlorobenzene		4	U
106-46-7-----	1,4-Dichlorobenzene		4	U
75-71-8-----	Dichlorodifluoromethane		4	U
75-34-3-----	1,1-Dichloroethane		4	U
107-06-2-----	1,2-Dichloroethane		4	U
75-35-4-----	1,1-Dichloroethene		4	U
156-59-2-----	cis-1,2-Dichloroethene		1	J
156-60-5-----	trans-1,2-Dichloroethene		4	U
78-87-5-----	1,2-Dichloropropane		4	U
10061-01-5----	cis-1,3-Dichloropropene		4	U
10061-02-6----	trans-1,3-Dichloropropene		4	U
100-41-4-----	Ethylbenzene		4	U
591-78-6-----	2-Hexanone		21	U
98-82-8-----	Isopropylbenzene		4	U
79-20-9-----	Methyl acetate		4	U
108-87-2-----	Methylcyclohexane		4	U
75-09-2-----	Methylene chloride		2	BJ

METHOD 8260 - TCL VOLATILE ORGANICS  
ANALYSIS DATA SHEET

Client No.

ALBW10023

Lab Name: SIL BuffaloContract: 744538Lab Code: RECNY Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 091406Matrix: (soil/water) SOILLab Sample ID: A6A78304Sample wt/vol: 6.88 (g/mL) GLab File ID: F2427.RRLevel: (low/med) LOWDate Samp/Recv: 09/20/2006 09/21/2006% Moisture: not dec. 14 Heated Purge: YDate Analyzed: 09/22/2006GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
108-10-1-----	4-Methyl-2-pentanone		21	U
1634-04-4-----	Methyl-t-Butyl Ether (MTBE)		4	U
100-42-5-----	Styrene		4	U
79-34-5-----	1,1,2,2-Tetrachloroethane		4	U
127-18-4-----	Tetrachloroethene		4	U
108-88-3-----	Toluene		4	U
120-82-1-----	1,2,4-Trichlorobenzene		4	U
71-55-6-----	1,1,1-Trichloroethane		4	U
79-00-5-----	1,1,2-Trichloroethane		4	U
76-13-1-----	1,1,2-Trichloro-1,2,2-trifluoroethane		4	U
75-69-4-----	Trichlorofluoromethane		4	U
79-01-6-----	Trichloroethene		4	U
108-05-4-----	Vinyl acetate		21	U
75-01-4-----	Vinyl chloride		8	U
1330-20-7-----	Total Xylenes		13	U

METHOD 8260 - TCL VOLATILE ORGANICS  
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

ALBW10023

Lab Name: STL Buffalo Contract: 744538

Lab Code: RECN Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 091406

Matrix: (soil/water) SOIL Lab Sample ID: A6A78304

Sample wt/vol: 6.88 (g/mL) G Lab File ID: F2427.RR

Level: (low/med) LOW Date Samp/Recv: 09/20/2006 09/21/2006

% Moisture: not dec. 13.8 Date Analyzed: 09/22/2006

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

Number TICs found: 0 CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q

## **Appendix C**

### **Field Documentation and Daily Reports**

- Table C-1 Depth Verification of Soil Covers
- Landfill Grid Map
- Table C-2 Mulch Composition Assessment
- Copies of Daily Field Reports



**Table C-1**  
**Depth Verification of Soil Covers**  
**Ash Landfill Completion Report**  
**Seneca Army Depot Activity**

QA/QC Requirement: 1 measurement every 100'x100' grid

**Ash Landfill**

2.2 acres = 95,832 ft  
 10 measurements required

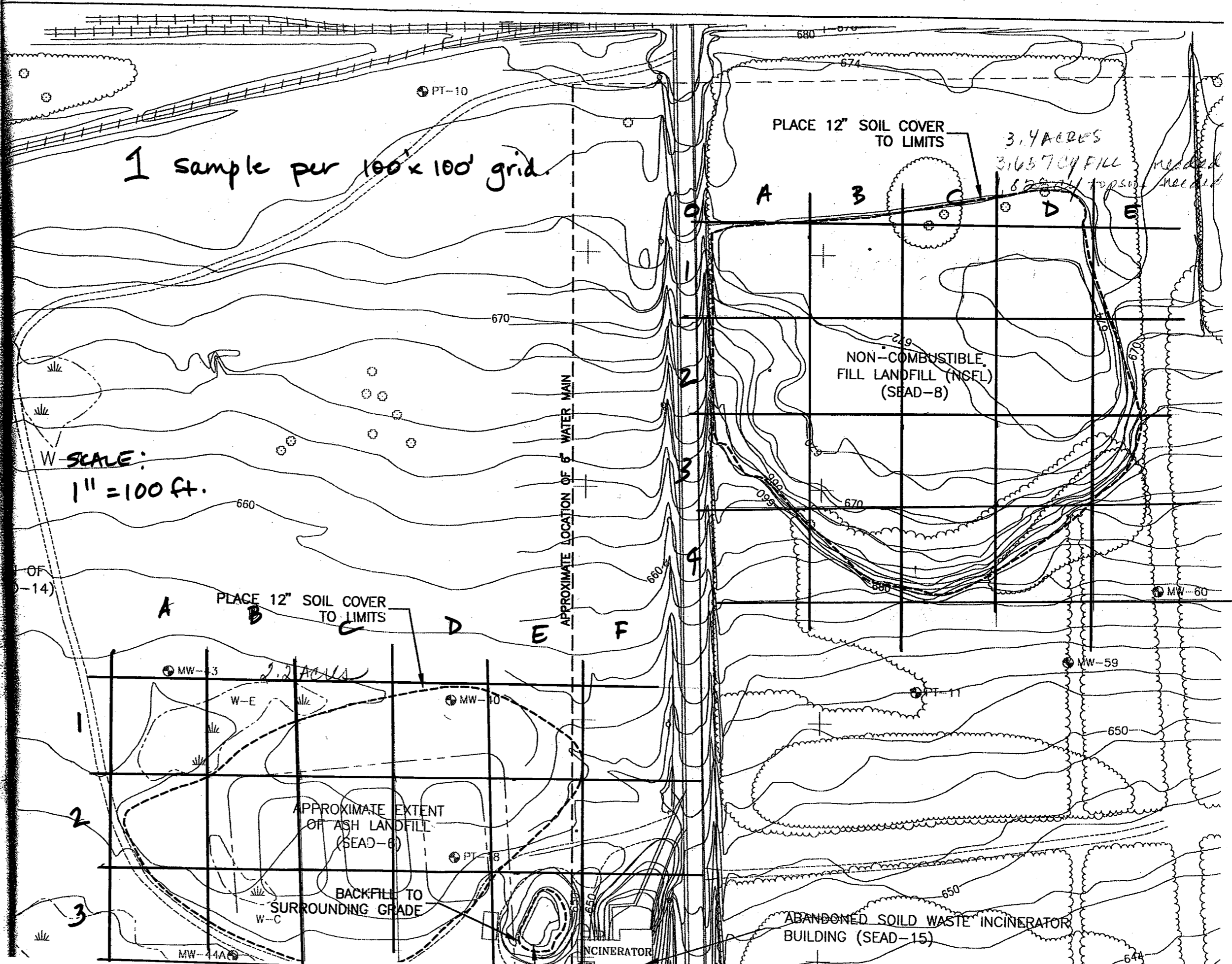
**Non-Combustible Fill Landfill**

3.4 acres = 148,104 ft  
 15 measurements required

	<b>Grid Name</b>	<b>Depth (ft)</b>	<b>Depth (in.)</b>		<b>Grid Name</b>	<b>Depth (ft)</b>	<b>Depth (in.)</b>
1	A2	1.08	13	1	A1	1.29	15.5
2	A3	1.08	13	2	A2	1.17	14
3	B1	1.08	13	3	A3	1.17	14
4	B2	1.08	13	4	B1	1.19	14.25
5	B3	1.17	14	5	B2	1.08	13
6	C1	1.33	16	6	B3	1.08	13
7	C2	1.17	14	7	B4	1.08	13
8	C3	1.08	13	8	C1	1.33	16.01
9	D1	1.08	13	9	C2	1.08	13
10	D2	1.08	13	10	C3	1.08	13
11	D3	1.17	14	11	C4	1.08	13
12	E1	1.08	13	12	D1	1.00	12
13	E2	1.17	14	13	D2	1.08	13
				14	D3	1.08	13
				15	D4	1.08	13

1 sample per 100' x 100' grid.

SCALE:  
1" = 100 ft.



PLACE 12" SOIL COVER TO LIMITS

3.4 ACRES  
31657 CY FILL  
825' H TOPSOIL

NON-COMBUSTIBLE FILL LANDFILL (NSFL) (SEAD-8)

PLACE 12" SOIL COVER TO LIMITS

APPROXIMATE EXTENT OF ASH LANDFILL (SEAD-6)

BACKFILL TO SURROUNDING GRADE

ABANDONED SOILD WASTE INCINERATOR BUILDING (SEAD-15)

INCINERATOR

APPROXIMATE LOCATION OF 6" WATER MAIN

needed  
needed

**Table C-2**  
**Mulch Composition Assessment**  
**Construction Inspection Activity**  
**Ash Landfill Completion Report**  
**Seneca Army Depot Activity**

#	Date	Biowall Pair	Material	Volume Collected (qt)	Volume Passed (qt)	Volume Retained (qt)	Volume % Mulch	Approved ?
		<b>Baseline</b>						
1	9/5/2006	C1/C2	Mulch/Sand	5.0	2.75	2.50	50%	Yes
2	9/15/2006	B1/B2	Mulch/Sand	5.0	2.50	2.75	55%	Yes
3	9/21/2006	A1/A2	Mulch/Sand	5.0	2.5	3.00	60%	Yes

Notes:

1 Composite samples were collected from the stockpiles to generate the sample tested.

2 Grab samples of the piles were collected and composited into a 5 quart bucket. .

The mixture was placed onto a #6 mesh sieve screen and manually agitated; volume was measured.

SENECA PBC1  
WORK SUMMARY

Week	Day#	Day	Date	Description	Mulch Loads	Sand Loads (tandem/trlr)	LF Mulch	Topsoil	Debris
1	1	Monday	21-Aug-06	Mowed areas - by Sessler (6 hrs)	0	0	0	0	
1	2	Tuesday	22-Aug-06	Kick-off meeting, delivered 4 -100cy trlrlds of mulch	5	0	0	0	
1	3	Wednesday	23-Aug-06	Delivered 4 -100 cy lds of mulch	3	0	0	0	
1		Thursday	24-Aug-06	No Work	0	0	0	0	
1		Friday	25-Aug-06	No Work	0	0	0	0	
2	4	Monday	28-Aug-06	Delivered 32lds of sand 3-10wheelers & 1 dump trlr	0	24	8	0	
2	5	Tuesday	29-Aug-06	Delivered 4 lds of sand & 1 ld of mulch	1	3	1	0	
2	6	Wednesday	30-Aug-06	Survey Ash LF perimeter	0	0	0	0	
2	7	Thursday	31-Aug-06	Delivered 2lds of mulch	2	0	0	0	
2		Friday	1-Sep-06	No Work	0	0	0	0	
3		Monday	4-Sep-06	Holiday - Labor Day	0	0	0	0	
3	8	Tuesday	5-Sep-06	Mobilization/Site Orientation, Sand delivery 25 lds, mulch delivery 2 lds, oil delivery 26,600lb, mixing Sand delivery ~32-lds, mulch delivery 3-lds, finished mixing 900cy mulch. Excavated & backfilled ~200lf C2.	2	20	5	0	
3	9	Wednesday	6-Sep-06	Sand delivery ~31-lds, mulch delivery 4- lds. Excavated & backfilled ~335lf C2. Soybean oil delivered. C2 completed.	3	24	8	0	
3	10	Thursday	7-Sep-06	Mulch delivery 2-lds, mixing sand/mulch.	4	24	7	0	
3	11	Friday	8-Sep-06	Excavated & backfilled C1; 535lf, 991cy; sand/mulch mixing. C1 completed.	2	0	0	0	
4	12	Monday	11-Sep-06	Excavated & backfilled 220lf of B1 at the north end, cleared the berms at the ash cooling pond	0	0	0	0	
4	13	Tuesday	12-Sep-06	Continue clearing NCLF; rec'd 5lds mulch, 2 lds topsoil (fine mulch); finish ash cooling pond	0	0	0	0	
4	14	Wednesday	13-Sep-06	Rec'd 7 lds of mulch & 1 load of oil	5	0	0	2	
4	15	Thursday	14-Sep-06	Mixing sand/mulch. Rec'd 5 loads mulch	7	0	0	0	
4	16	Friday	15-Sep-06	Rec'd 5 loads of mulch. Excavated & backfilled B1/B2 north of the 100ppb contour.	5	0	0	0	
5	17	Monday	18-Sep-06	Rec'd 5 loads of mulch. Rec'd 32 lds sand. Rec'd 4569 gal soybean oil. Finished excavating & backfilling B1/B2 north of the pilot wall.	5	24	8	0	

Summary

SENECA PBC1  
WORK SUMMARY

Week	Day#	Day	Date	Description	Mulch Loads	Sand Loads (tandem/trlr)	LF Mulch	Topsoil	Debris
5	19	Wednesday	20-Sep-06	Rec'd 7lds sand. Excavated A1/A2 trench N to S ~100lf. Mulch mixing.	0	0	6	0	
5	20	Thursday	21-Sep-06	Rec'd 28 lds sand. Excavated A1/A2 trench S to N ~275lf. Mulch mixing.	0	21	7	0	
5	21	Friday	22-Sep-06	Excavated & backfilled the southern ends of B1 & B2.	0	0	0	0	
6	22	Monday	25-Sep-06	Hauling C1/C2 trench spoils to NCLF, rec'd 12 lds sand & 3 lds mulch.	3	9	3	0	
6	23	Tuesday	26-Sep-06	Hauling C1/C2 trench spoils to NCLF.	0	0	0	0	
6	24	Wednesday	27-Sep-06	Hauling B1/B2 trench spoils to NCLF. Finished excavating & backfilling C1 & C2 & B1	0	0	0	0	
6	25	Thursday	28-Sep-06	Hauling B1/B2 trench spoils to NCLF.	0	0	0	2	
6		Friday	29-Sep-06	No Work					
7	26	Monday	2-Oct-06	Hauling B1/B2 trench spoils to NCLF. Placing mulch & A1/A2 trench spoils on the Ash LF. Rec'd 2 lds of mulch.	0	0	0	2	
7	27	Tuesday	3-Oct-06	Rec'd 6 lds of mulch. Pushing trench spoils onto Ash Landfill	0	0	0	6	
7	28	Wednesday	4-Oct-06	Finish placing 8" layer of trench spoils on Ash LF	0	0	0	0	
7		Thursday	5-Oct-06	No Work					
7		Friday	6-Oct-06	No Work					
<b>Subtotal - # Loads</b>					<b>52</b>	<b>149</b>	<b>53</b>	<b>12</b>	<b>0</b>
8	29	Monday	9-Oct-06	Topsoil delivery, excavate NW & SW Debris Piles	0	0	0	0	33
8	30	Tuesday	10-Oct-06	Topsoil delivery, excavate E Debris Pile	0	0	0	0	51
8	31	Wednesday	11-Oct-06	Topsoil delivery, excavate E Debris Pile	0	0	0	0	58
8	32	Thursday	12-Oct-06	Topsoil delivery, excavate E Debris Pile	0	0	0	0	56
8	33	Friday	13-Oct-06	Topsoil delivery, excavate E Debris Pile, general cleanup	0	0	0	0	6
<b>Subtotal - # Loads</b>					<b>52</b>	<b>149</b>	<b>53</b>	<b>12</b>	<b>204</b>
9	34	Monday	16-Oct-06	Consolidating trees around the perimeter of the NCLF.	0	0	0	0	0
9	35	Tuesday	17-Oct-06	Grinding the trees around the perimeter of the NCLF	0	0	0	0	0
9	36	Wednesday	18-Oct-06	Grinding the trees around the perimeter of the NCLF.					
9		Thursday	19-Oct-06	Demobilization of equipment.					
9		Friday	20-Oct-06	No Work					

Summary

SENECA PBC1  
WORK SUMMARY

Week	Day#	Day	Date	Description	Mulch Loads	Sand Loads (tandem/trlr)	LF Mulch	Topsoil	Debris
10		Monday	23-Oct-06	No Work					
10	37	Tuesday	24-Oct-06	Load, T&D Debris Piles - 14 lds					14
10	38	Wednesday	25-Oct-06	Load, T&D Debris Piles - 13 lds					13
10	39	Thursday	26-Oct-06	Load, T&D Debris Piles - 12 lds					12
10	40	Friday	27-Oct-06	Load, T&D Debris Piles - 3 lds					3
<b>Subtotal - # Loads</b>									<b>42</b>

MATERIAL QUANTITY SUMMARY

**Mulch for Trenchs**

	Loads	Qty/Ld	Total
From Ricelli	50	100	5,000 cy
From Clifton	<u>2</u>	60	120 cy
	52		5,120 cy

**Sand for Trenchs**

	Loads	Qty/Ld	Total
Tandem	149	15	2,235 cy
Trailer	53	22	1,166 cy
			3,401 cy

**Ash Landfill Mulch**

	Loads	Qty/Ld	Total
	12	60	720 cy

**Topsoil**

	Loads	Qty/Ld	Total
	204	15	3,060 cy

**Debris Piles**

	Loads	Qty/Ld	Total
	42	36.8	1,546 tons

**Daily Field Report  
Seneca PBC1**

JOB NAME	Ash Landfill Full Scale RA	DATE	Monday, Aug 21, 2006
CONTRACT	FA8903-04-D-8675 - AFCEE	REPORT NO.	1
PROJECT	Seneca PBC 1	WEATHER	Sun
JOB #	744538-02100	TEMPERATURE	60°-80°
CLIENT	Seneca Army Depot Activity	TIME/HRS	0800 – 14:30

**I. XI. Narrative of Work Performed** (including problems encountered and corrective actions taken):

Used a tractor and tow-behind mower to mow the Non-Combustible Fill Landfill area, the Ash Landfill area and the area west of the Ash Landfill toward the West Patrol Road. Mowed approximately 8 acres in 6 hours.

**II. Verbal discussions/Instructions:**

None.

**III. Personnel On-site**

<u>Name</u>	<u>Company/Organization</u>	<u>Role</u>
Mark Andrews	Sessler	Operator
Ben McAllister	Parsons	Site Manager
Dan Hoffner	Parsons	CM

**IV. Equipment On-site**

<u>Description</u>	<u>Model/Type</u>	<u>Qty</u>
Tractor & Mower	Case 1594/ Brush Hog	1

**XIV. Photo Documentation**

No photos today.

**Daily Field Report  
Seneca PBC1**

JOB NAME	Ash Landfill Full Scale RA	DATE	Tuesday, Aug 22, 2006
CONTRACT	FA8903-04-D-8675 - AFCEE	REPORT NO.	2
PROJECT	Seneca PBC 1	WEATHER	Sun
JOB #	744538-02100	TEMPERATURE	60°-80°
CLIENT	Seneca Army Depot Activity	TIME/HRS	0800 – 17:30

**I. XI. Narrative of Work Performed** (including problems encountered and corrective actions taken):

Began delivery of the mulch. Rec'd 4 - 100cy loads. Survey trench alignments.

**II. Verbal discussions/Instructions:**

Held Kick-off meeting. See attached meeting notes.

**III. Personnel On-site**

<u>Name</u>	<u>Company/Organization</u>	<u>Role</u>
Ben McAllister	Parsons	Site Manager
Dan Lipp	Parsons	Tech
Syed Ali	Parsons	Tech
Dan Hoffner	Parsons	CM
Chris Shaffer	Sessler	Sup't

**V. Materials: Moved, Delivered to, or Removed from the Jobsite**

<u>Quantity Today</u>	<u>Material Removed/Delivered</u>	<u>Cumulative Quantity on Site</u>	<u>Source</u>	<u>Hauler</u>
4 lds, 400 cy	Mulch	4 lds, 400 cy	Henrietta development	Ricelli

**XII. Visitors On-site**

<u>Name</u>	<u>Company/Organization</u>	<u>Time/duration of Visit</u>
Todd Heino	Parsons	0900 - 1100
Jackie Travers	Parsons	0900 - 1100
Jeff Adams	Parsons	0900 - 1100
Craig Sessler	Sessler	0900 - 1100

**XIII. Health and Safety** (see attached Tailgate Meeting Safety Attendance Log)

<b>Accidents Reported Today:</b>	<b>0</b>
<b>Accidents to Date:</b>	<b>0</b>
<b>Days On-Site</b>	<b>2</b>

**XIV. Photo Documentation**

No photos today.



**Daily Field Report  
Seneca PBC1**

JOB NAME	Ash Landfill Full Scale RA	DATE	Wednesday, Aug 23, 2006
CONTRACT	FA8903-04-D-8675 - AFCEE	REPORT NO.	3
PROJECT	Seneca PBC 1	WEATHER	Sun
JOB #	744538-02100	TEMPERATURE	60°-75°
CLIENT	Seneca Army Depot Activity	TIME/HRS	0700 – 17:30

**I. XI. Narrative of Work Performed** (including problems encountered and corrective actions taken):

Rec'd 4 - 100cy loads. Survey Ash Landfill elevations.

**II. Verbal discussions/Instructions:**

None.

**III. Personnel On-site**

<u>Name</u>	<u>Company/Organization</u>	<u>Role</u>
Ben McAllister	Parsons	Site Manager
Dan Lipp	Parsons	Tech
Syed Ali	Parsons	Tech
Dan Hoffner	Parsons	CM

**V. Materials: Moved, Delivered to, or Removed from the Jobsite**

None today.

<b>Quantity Today</b>	<b>Material Removed/Delivered</b>	<b>Cumulative Quantity on Site</b>	<b>Source</b>	<b>Hauler</b>
4 lds, 400 cy	Mulch	8lds, 800 cy	Henrietta development	Ricelli

**XIII. Health and Safety (see Tailgate Meeting Safety Attendance Log)**

<b>Accidents Reported Today:</b>	<b>0</b>
<b>Accidents to Date:</b>	<b>0</b>
<b>Days On-Site</b>	<b>3</b>

**XIV. Photo Documentation**

No photos today.

**Daily Field Report  
Seneca PBC1**

JOB NAME	Ash Landfill Full Scale RA	DATE	Monday, Aug 28, 2006
CONTRACT	FA8903-04-D-8675 - AFCEE	REPORT NO.	4
PROJECT	Seneca PBC 1	WEATHER	Overcast
JOB #	744538-02100	TEMPERATURE	65°-75°
CLIENT	Seneca Army Depot Activity	TIME/HRS	0700 – 17:30

**I. XI. Narrative of Work Performed** (including problems encountered and corrective actions taken):

Began delivery of sand. Rec'd 32 loads. 8 lds via dump trlr & 24 lds via 10-wheel dump truck.

**II. Verbal discussions/Instructions:**

None.

**III. Personnel On-site**

<u>Name</u>	<u>Company/Organization</u>	<u>Role</u>
Ben McAllister	Parsons	Manager

**V. Materials: Moved, Delivered to, or Removed from the Jobsite**

Tandem = 15cy Trlr = 22cy

<u>Quantity Today</u>	<u>Material Removed/Delivered</u>	<u>Cumulative Quantity on Site</u>	<u>Source</u>	<u>Hauler</u>
32 loads; 24 tandem, 8 trlr	Sand	32 loads; 24 tandem, 8 trlr; 536cy	Junius sand pit	Dendis

**XIII. Health and Safety (see Tailgate Meeting Safety Attendance Log)**

<b>Accidents Reported Today:</b>	<b>0</b>
<b>Accidents to Date:</b>	<b>0</b>
<b>Days On-Site</b>	<b>4</b>

**XIV. Photo Documentation**

No photos today.

**Daily Field Report  
Seneca PBC1**

JOB NAME	Ash Landfill Full Scale RA	DATE	Tuesday, Aug 29, 2006
CONTRACT	FA8903-04-D-8675 - AFCEE	REPORT NO.	5
PROJECT	Seneca PBC 1	WEATHER	Overcast, rain
JOB #	744538-02100	TEMPERATURE	60°-70°
CLIENT	Seneca Army Depot Activity	TIME/HRS	0700 – 10:00

**I. XI. Narrative of Work Performed** (including problems encountered and corrective actions taken):

Continued delivery of sand. Rec'd 4 loads. 1 lds via dump trlr & 3 lds via 10-wheel dump truck. Total sand loads - 36; 9 via dump trailer - est 22 cy/lid = 198 cy & 27 via 10-wheel dump - est 15 cy = 405 cy, for a total est of 405+198 =603cy. Rec'd 1 - 100cy load of mulch.

**II. Verbal discussions/Instructions:**

Rec'd veg oil submittal from Sessler on 8-28-06. Told Chriss shaffer that "yellow Grease" was unacceptable. Informed him the soybean oil from Sheppard Grain was acceptable.

**III. Personnel On-site**

<u>Name</u>	<u>Company/Organization</u>	<u>Role</u>
Ben McAllister	Parsons	Site Manager

**V. Materials: Moved, Delivered to, or Removed from the Jobsite**

<b>Quantity Today</b>	<b>Material Removed/Delivered</b>	<b>Cumulative Quantity on Site</b>	<b>Source</b>	<b>Hauler</b>
4 loads; 3 tandem, 1 trlr	Sand	36 loads; 27 tandem, 9 trlr - est 603cy	Junius sand pit	Dendis
1 ld, 100 cy	Mulch	9 lds, 900 cy	Henrietta development	Ricelli

**XIII. Health and Safety (see Tailgate Meeting Safety Attendance Log)**

Accidents Reported Today:	0
Accidents to Date:	0
Days On-Site	5

**XIV. Photo Documentation**

No photos today.

**Daily Field Report  
Seneca PBC1**

JOB NAME	Ash Landfill Full Scale RA	DATE	Wednesday, Aug 30, 2006
CONTRACT	FA8903-04-D-8675 - AFCEE	REPORT NO.	6
PROJECT	Seneca PBC 1	WEATHER	Overcast
JOB #	744538-02100	TEMPERATURE	60°-70°
CLIENT	Seneca Army Depot Activity	TIME/HRS	0700 – 1500

**I. XI. Narrative of Work Performed** (including problems encountered and corrective actions taken):

Brendan and Dan staking out the limits of the Ash Landfill today. Marked out the eastern edge with wooden stakes and the western edge with pin flags that the trucks can drive over. Creating a 100 x 100 grid on the landfill with survey stakes so we can track the spoils as they are placed on the landfill. The area has been surveyed on a 50 x 50 grid to collect the starting elevations for the landfill cover.

**II. Verbal discussions/Instructions:**

Sent Sessler a fax containing a list of 6 submittals needed prior to starting work, including a Schedule. Also included was notice of intent to have a Site Orientation at 7:30am, Tuesday 9/5/06.

**III. Personnel On-site**

<u>Name</u>	<u>Company/Organization</u>	<u>Role</u>
Ben McAllister	Parsons	Site Manager
Dan Lipp	Parsons	Tech
Brendan Baranek-Olmsted	Parsons	Tech

**XIII. Health and Safety (see Tailgate Meeting Safety Attendance Log)**

Accidents Reported Today:	0
Accidents to Date:	0
Days On-Site	6

**XIV. Photo Documentation**

No photos today.

**Daily Field Report  
Seneca PBC1**

JOB NAME	Ash Landfill Full Scale RA	DATE	Thursday, Aug 31, 2006
CONTRACT	FA8903-04-D-8675 - AFCEE	REPORT NO.	7
PROJECT	Seneca PBC 1	WEATHER	Overcast
JOB #	744538-02100	TEMPERATURE	60°-70°
CLIENT	Seneca Army Depot Activity	TIME/HRS	0700 – 1730

**I. XI. Narrative of Work Performed** (including problems encountered and corrective actions taken):

Rec'd 2 - 100cy loads of mulch

**II. Verbal discussions/Instructions:**

Spoke to Jane shaffer regarding contract, bonds & insurance. They rec'd package at 5:15PM yesterday. Told Chris Shaffer we need a schedule by Tuesday, Safety Orientation on Tuesday must be first thing and advised not to deliver oil first thing Tuesday morning, as mixing with sand needs to be done first.

**III. Personnel On-site**

<u>Name</u>	<u>Company/Organization</u>	<u>Role</u>
Ben McAllister	Parsons	Site Manager

**V. Materials: Moved, Delivered to, or Removed from the Jobsite**

<u>Quantity Today</u>	<u>Material Removed/Delivered</u>	<u>Cumulative Quantity on Site</u>	<u>Source</u>	<u>Hauler</u>
2 lds, 200 cy	Mulch	11 lds, 1100 cy	Henrietta development	Ricelli

**XIII. Health and Safety** (see Tailgate Meeting Safety Attendance Log)

<b>Accidents Reported Today:</b>	0
<b>Accidents to Date:</b>	0
<b>Days On-Site</b>	7

**XIV. Photo Documentation**

No photos today.

**Daily Field Report  
Seneca PBC1**

JOB NAME	Ash Landfill Full Scale RA	DATE	Tuesday, Sep 5, 2006
CONTRACT	FA8903-04-D-8675 - AFCEE	REPORT NO.	8
PROJECT	Seneca PBC 1	WEATHER	Overcast
JOB #	744538-02100	TEMPERATURE	60°-70°
CLIENT	Seneca Army Depot Activity	TIME/HRS	0700 – 1730

**I. XI. Narrative of Work Performed** (including problems encountered and corrective actions taken):

Rec'd 2 - 100cy loads of mulch. Rec'd 25 lds of sand. Rec'd 26,600lb of soybean oil in tanker (~3,500 gal). Applied oil to 9 piles using excavator bucket as measuring tool. Began mixing with excavator & loader. Began mulch testing.

**II. Verbal discussions/Instructions:**

Held site orientation at 7:30am.

**III. Personnel On-site**

<u>Name</u>	<u>Company/Organization</u>	<u>Role</u>
Ben McAllister	Parsons	Site Manager
Dan Hoffner	Parsons	CM
Chris Shaffer	Sessler	Sup't/Opr
Dan Sessler	Sessler	Opr

**IV. Equipment On-site**

<u>Description</u>	<u>Model/Type</u>	<u>Qty</u>
Excavator	Kobelco Mark IV, SK 300	1
Excavator	Komatsu PC300 - delivered end of day	1
R/T Loader	Cat 930G	1
Tractor w/Brush Hog	Case 1594 Tractor w/Rhino Brush Hog	1
Dozer	Cat D5 - brought by Ricelli	1

**V. Materials: Moved, Delivered to, or Removed from the Jobsite**

<u>Quantity Today</u>	<u>Material Removed/Delivered</u>	<u>Cumulative Quantity on Site</u>	<u>Source</u>	<u>Hauler</u>
2 lds, 200 cy	Mulch	13 lds, 1300 cy	Henrietta development	Ricelli
~25 loads; 20 tandem, 5 trlr	Sand	~61 loads; 47 tandem, 14 trlr - est 1013cy	Junius sand pit	Dendis
26,600lb	Soybean Oil	26,600lb: ~ 3,500gal	Sheppard Grain	Sheppard

**Daily Field Report  
Seneca PBC1**

**IX. Samples Collected :**

**Mulch Testing:**

(See Field Mulch Testing form for Mulch Composition Assessment)

**XII. Visitors On-site**

<u>Name</u>	<u>Company/Organization</u>	<u>Time/duration of Visit</u>
Steve Absolom	SEDA	1300-1500
Tom Andrews	Parsons	1300-1400
Craig Sessler	Sessler	1100-1400
Vern Sessler	Sessler	1600-1700

**XIII. Health and Safety (see Tailgate Meeting Safety Attendance Log)**

<b>Accidents Reported Today:</b>	<b>0</b>
<b>Accidents to Date:</b>	<b>0</b>
<b>Days On-Site</b>	<b>8</b>

**XIV. Photo Documentation**

Mixing mulch/sand mixture with soybean oil previously added. Looking north.



**Daily Field Report  
Seneca PBC1**

JOB NAME	Ash Landfill Full Scale RA	DATE	Wednesday, Sep 6, 2006
CONTRACT	FA8903-04-D-8675 - AFCEE	REPORT NO.	9
PROJECT	Seneca PBC 1	WEATHER	Sunny, rain at 1600
JOB #	744538-02100	TEMPERATURE	65°-75°
CLIENT	Seneca Army Depot Activity	TIME/HRS	0700 – 1730

**I. XI. Narrative of Work Performed** (including problems encountered and corrective actions taken):

Rec'd 3 - 100cy loads of mulch. Rec'd 32 lds of sand. Continued mixing with excavator & loader. Completed mixing of 900cy of mulch w/ ~576cy sand. Continued mulch testing. Began excavating trench C2 at the north end (1200hrs). At 1600hrs, ~ 200lf was excavated & backfilled. Most of the trench spoils were stockpiled alongside the western side of the trench.

**II. Verbal discussions/Instructions:**

Held tailgate safety meeting @ 7:30am. Told Chris Shaffer that he needed to conduct & document safety meeting daily. Discussed width of trench (avg. 6'w) with Chris Shaffer, Craig Sessler, Jackie Travers, Todd Heino. Will see how trench walls hold up tomorrow.

**III. Personnel On-site**

<u>Name</u>	<u>Company/Organization</u>	<u>Role</u>
Dan Hoffner	Parsons	CM
Chris Shaffer	Sessler	Sup't/Opr
Dan Sessler	Sessler	Opr

**IV. Equipment On-site**

<u>Description</u>	<u>Model/Type</u>	<u>Qty</u>
Excavator	Kobelco Mark IV, SK 300	1
Excavator	Komatsu PC300	1
R/T Loader	Cat 930G	1
Tractor w/Brush Hog	Case 1594 Tractor w/Rhino Brush Hog	1
Dozer	Cat D5 - brought by Ricelli	1

**V. Materials: Moved, Delivered to, or Removed from the Jobsite**

<u>Quantity Today</u>	<u>Material Removed/Delivered</u>	<u>Cumulative Quantity on Site</u>	<u>Source</u>	<u>Hauler</u>
3 lds, 300 cy	Mulch	16 lds, 1600 cy	Henrietta development	Ricelli
~32 loads; 24 tandem, 8 trlr	Sand	~93 loads ; 71 tandem, 22 trlr - est 1549 cy	Junius sand pit	Dendis

**VI. QUANTITIES EXCAVATED**

<u>Quantity Today</u>	<u>Debris Pile/Biowall Designation</u>	<u>Cumulative Quantity for Job</u>	<u>Final Disposition</u>
200lf	C2	200lf	
519cy	C2	519cy	



**Daily Field Report  
Seneca PBC1**

**VII. QUANTITIES BACKFILLED**

Quantity Today	Debris Pile/Biowall Designation	Cumulative Quantity for Job
200lf	C2	200lf
519cy	C2	519cy

**VIII. Trench Depth**

<u>C2 Station</u>	<u>Depth (ft)</u>
0	8'8"
0+50	10'0"
0+100	11'0"
0+150	11'0"

**IX. Samples Collected :**

**Mulch Testing:**  
None today.

**XII. Visitors On-site**

<u>Name</u>	<u>Company/Organization</u>	<u>Time/duration of Visit</u>
Craig Sessler	Sessler	1400-1600
Tom Battaglia	USACE	1400-1415

**XIII. Health and Safety (see Tailgate Meeting Safety Attendance Log)**

<b>Accidents Reported Today:</b>	<b>0</b>
<b>Accidents to Date:</b>	<b>0</b>
<b>Days On-Site</b>	<b>9</b>

**XIV. Photo Documentation**

Looking north along C2 trench.



**Daily Field Report  
Seneca PBC1**

JOB NAME	Ash Landfill Full Scale RA	DATE	Thursday, Sep 7, 2006
CONTRACT	FA8903-04-D-8675 - AFCEE	REPORT NO.	10
PROJECT	Seneca PBC 1	WEATHER	fog am, sunny pm
JOB #	744538-02100	TEMPERATURE	60°-75°
CLIENT	Seneca Army Depot Activity	TIME/HRS	0700 – 1730

**I. XI. Narrative of Work Performed** (including problems encountered and corrective actions taken):

Rec'd 4 - 100cy loads of mulch. Rec'd 31 - lds of sand. Continued excavating trench C2 from station 0+200 to end 0+535 (south end). Rec'd 1 tanker load of soybean oil & applied to 9 mulch piles.

**II. Verbal discussions/Instructions:**

Todd Heino/Jackie Travers - spoils outside of 100ppb contour to be placed on NCLF (not Ash Landfill), no sampling; save top 2' of trench soil for use as topsoil on the landfills; use "clean" trench spoils for last 12" cover on trenches; continue with open cut method.

**III. Personnel On-site**

Name	Company/Organization	Role
Dan Hoffner	Parsons	CM
Chris Shaffer	Sessler	Sup't/Opr
Dan Sessler	Sessler	Opr

**IV. Equipment On-site**

Description	Model/Type	Qty
Excavator	Kobelco Mark IV, SK 300	1
Excavator	Komatsu PC300	1
R/T Loader	Cat 930G	1
Tractor w/Brush Hog	Case 1594 Tractor w/Rhino Brush Hog	1
Dozer	Cat D5 - picked up by Ricelli	1

**V. Materials: Moved, Delivered to, or Removed from the Jobsite**

Quantity Today	Material Removed/Delivered	Cumulative Quantity on Site	Source	Hauler
4 lds, 400 cy	Mulch	20 lds, 2000 cy	Henrietta development	Ricelli
~31 loads; 24 tandem, 7 trlr	Sand	~124 loads ; 95 tandem, 29 trlr - est 2,063 cy	Junius sand pit	Dendis
26,820lb	Soybean Oil	53,420lb: ~ 7,100gal	Sheppard Grain	Sheppard

**VI. QUANTITIES EXCAVATED**

Quantity Today	Debris Pile/Biowall Designation	Cumulative Quantity for Job	Final Disposition
335lf	C2	535lf	
744cy	C2	997cy	

**Daily Field Report  
Seneca PBC1**

**VII. QUANTITIES BACKFILLED**

Quantity Today	Debris Pile/Biowall Designation	Cumulative Quantity for Job
335lf	C2	535lf
744cy	C2	997cy

**VIII. Trench Depth**

<u>C2 Station</u>	<u>Depth (ft)</u>	<u>C2 Station</u>	<u>Depth (ft)</u>
0 (north end)	8'8"	0+300	10'0"
0+50	10'0"	0+350	8'6"
0+100	11'0"	0+400	11'6"
0+150	11'0"	0+450	10'0"
0+200	10'0"	0+500	10'0"
0+250	10'0"	0+535 (south end)	10'0"

**IX. Samples Collected :**

**Mulch Testing:**  
None today.

**XII. Visitors On-site**

<u>Name</u>	<u>Company/Organization</u>	<u>Time/duration of Visit</u>
Craig Sessler	Sessler	0730-0800
Steve Absolom	SEDA	1300-1400

**XIII. Health and Safety (see Tailgate Meeting Safety Attendance Log)**

Accidents Reported Today:	0
Accidents to Date:	0
Days On-Site	10

**XIV. Photo Documentation**

Excavating C2 trench



Daily Field Report  
Seneca PBC1

Mulch/Sand Mixture in Trench



C2 trench spoils. Note the shale removed to get to bedrock.



**Daily Field Report  
Seneca PBC1**

JOB NAME	Ash Landfill Full Scale RA	DATE	Friday, Sep 8, 2006
CONTRACT	FA8903-04-D-8675 - AFCEE	REPORT NO.	11
PROJECT	Seneca PBC 1	WEATHER	Sunny
JOB #	744538-02100	TEMPERATURE	60°-75°
CLIENT	Seneca Army Depot Activity	TIME/HRS	0700 – 1730

**I. Narrative of Work Performed** (including problems encountered and corrective actions taken):

Rec'd 2 - 100cy loads of mulch. Started mixing 900cy mulch with sand. Used R/T loader to load ~15 tons of SEAD-11 material into a roll-off.

**II. Verbal discussions/Instructions:**

**III. Personnel On-site**

Name	Company/Organization	Role
Dan Hoffner	Parsons	CM
Chris Shaffer	Sessler	Sup't/Opr
Dan Sessler	Sessler	Opr

**IV. Equipment On-site**

Description	Model/Type	Qty
Excavator	Kobelco Mark IV, SK 300	1
Excavator	Komatsu PC300	1
R/T Loader	Cat 930G	1
Tractor w/Brush Hog	Case 1594 Tractor w/Rhino Brush Hog	1

**V. Materials: Moved, Delivered to, or Removed from the Jobsite**

Quantity Today	Material Removed/Delivered	Cumulative Quantity on Site	Source	Hauler
2 lds, 400 cy	Mulch	22 lds, 2200 cy	Henrietta development	Ricelli
None today	Sand	~124 loads ; 95 tandem, 29 trlr - est 2,063 cy	Junius sand pit	Dendis
None today	Soybean Oil	53,420lb: ~ 7,100gal	Sheppard Grain	Sheppard

**VI. QUANTITIES EXCAVATED**

Quantity Today	Debris Pile/Biowall Designation	Cumulative Quantity for Job	Final Disposition
0	C2	535lf, 997cy	

**Daily Field Report  
Seneca PBC1**

**VII. QUANTITIES BACKFILLED**

Quantity Today	Debris Pile/Biowall Designation	Cumulative Quantity for Job
0	C2	5351f, 997cy
0		0

**VIII. Trench Depth**

C1 Station	Depth (ft)	C2 Station	Depth (ft)
0 (north end)		0+300	
0+50		0+350	
0+100		0+400	
0+150		0+450	
0+200		0+500	
0+250		0+535 (south end)	

**IX. Samples Collected :**

**Mulch Testing:**

None today.

**XII. Visitors On-site**

<u>Name</u>	<u>Company/Organization</u>	<u>Time/duration of Visit</u>
Craig Sessler	Sessler	1000-1100
_____	_____	_____
_____	_____	_____
_____	_____	_____

**XIII. Health and Safety (see Tailgate Meeting Safety Attendance Log)**

<b>Accidents Reported Today:</b>	<b>0</b>
<b>Accidents to Date:</b>	<b>0</b>
<b>Days On-Site</b>	<b>11</b>

**XIV. Photo Documentation**

Application of soybean oil to mulch.





**Daily Field Report  
Seneca PBC1**

JOB NAME	Ash Landfill Full Scale RA	DATE	Monday, Sep 11, 2006
CONTRACT	FA8903-04-D-8675 - AFCEE	REPORT NO.	12
PROJECT	Seneca PBC 1	WEATHER	clouds/sun
JOB #	744538-02100	TEMPERATURE	50°-65°
CLIENT	Seneca Army Depot Activity	TIME/HRS	0700 – 1730

**I. XI. Narrative of Work Performed** (including problems encountered and corrective actions taken):

Started excavating C1 at 0800. Continue mulch sand mixing. Completed excavation & backfill of C1 trench at 1700.

**II. Verbal discussions/Instructions:**

Need more mulch - having hard time w/Ricelli getting deliveries.

**III. Personnel On-site**

Name	Company/Organization	Role
Dan Hoffner	Parsons	CM
Chris Shaffer	Sessler	Sup't/Opr
Dan Sessler	Sessler	Opr
Garry Henninger	Sessler	Opr

**IV. Equipment On-site**

Description	Model/Type	Qty
Excavator	Kobelco Mark IV, SK 300	1
Excavator	Komatsu PC300	1
R/T Loader	Cat 930G	1
Tractor w/Brush Hog	Case 1594 Tractor w/Rhino Brush Hog	1

**V. Materials: Moved, Delivered to, or Removed from the Jobsite**

Quantity Today	Material Removed/Delivered	Cumulative Quantity on Site	Source	Hauler
None today	Mulch	22 lds, 2200 cy	Henrietta development	Ricelli
None today	Sand	~124 loads ; 95 tandem, 29 trlr - est 2,063 cy	Junius sand pit	Dendis
None today	Soybean Oil	53,420lb: ~ 7,100gal	Sheppard Grain	Sheppard

**VI. QUANTITIES EXCAVATED**

Quantity Today	Debris Pile/Biowall Designation	Cumulative Quantity for Job	Final Disposition
Complete	C2	535lf, 997cy	
535lf, 917cy	C1	535lf, 897cy	

**Daily Field Report  
Seneca PBC1**

**VII. QUANTITIES BACKFILLED**

Quantity Today	Debris Pile/Biowall Designation	Cumulative Quantity for Job
Complete	C2	535lf, 997cy
535lf, 917cy	C1	535lf, 897cy

**VIII. Trench Depth**

C1 Station	Depth (ft)	C2 Station	Depth (ft)
0 (north end)	8'6"	0+300	10'0"
0+50	10'0"	0+350	9'0"
0+100	10'8"	0+400	11'0"
0+150	11'0"	0+450	10'0"
0+200	10'6"	0+500	10'0"
0+250	10'0"	0+535 (south end)	10'0"

**IX. Samples Collected :**

**Mulch Testing:**

None today.

**XII. Visitors On-site**

<u>Name</u>	<u>Company/Organization</u>	<u>Time/duration of Visit</u>
Steve Absolom	SEDA	1000-1100
_____	_____	_____
_____	_____	_____
_____	_____	_____

**XIII. Health and Safety (see Tailgate Meeting Safety Attendance Log)**

Accidents Reported Today:	0
Accidents to Date:	0
Days On-Site	12

**XIV. Photo Documentation**

C1 backfilled - looking north.





**Daily Field Report  
Seneca PBC1**

JOB NAME	Ash Landfill Full Scale RA	DATE	Tuesday, Sep 12, 2006
CONTRACT	FA8903-04-D-8675 - AFCEE	REPORT NO.	13
PROJECT	Seneca PBC 1	WEATHER	Sun am/clouds pm
JOB #	744538-02100	TEMPERATURE	50°-65°
CLIENT	Seneca Army Depot Activity	TIME/HRS	0700 – 1730

**I. XI. Narrative of Work Performed** (including problems encountered and corrective actions taken):

Began excavating B1 at the north end of the pilot wall, heading north. Completed ~ 220lf before running out of mulch mix. Have been having trouble getting commitment for mulch from Ricelli. Started heavy clearing on the NCLF. Started leveling the ash cooling pond berms (will use as topsoil). Completed ~1/2 NCLF clearing.

**II. Verbal discussions/Instructions:**

Told Sessler to stockpile the ash cooling pond berms for use as topsoil.

**III. Personnel On-site**

Name	Company/Organization	Role
Dan Hoffner	Parsons	CM
Chris Shaffer	Sessler	Sup't/Opr
Dan Sessler	Sessler	Opr
Garry Henninger	Sessler	Opr

**IV. Equipment On-site**

Description	Model/Type	Qty
Excavator	Kobelco Mark IV, SK 300	1
Excavator	Komatsu PC300	1
R/T Loader	Cat 930G	1
Tractor w/Brush Hog	Case 1594 Tractor w/Rhino Brush Hog	1

**V. Materials: Moved, Delivered to, or Removed from the Jobsite**

Quantity Today	Material Removed/Delivered	Cumulative Quantity on Site	Source	Hauler
None today	Mulch	22 lds, 2200 cy	Henrietta development	Ricelli
None today	Sand	~124 loads ; 95 tandem, 29 trlr - est 2,063 cy	Junius sand pit	Dendis
None today	Soybean Oil	53,420lb: ~ 7,100gal	Sheppard Grain	Sheppard

**VI. QUANTITIES EXCAVATED**

Quantity Today	Debris Pile/Biowall Designation	Cumulative Quantity for Job	Final Disposition
Complete	C2	535lf, 997cy	
Complete	C1	535lf, 897cy	
220lf, 491cy	B1	220lf, 491cy	

**Daily Field Report  
Seneca PBC1**

**VII. QUANTITIES BACKFILLED**

Quantity Today	Debris Pile/Biowall Designation	Cumulative Quantity for Job
Complete	C2	535lf, 997cy
Complete	C1	535lf, 897cy
220lf, 491cy	B1	220lf, 491cy

**VIII. Trench Depth**

B1 Station	Depth (ft)	B1 Station	Depth (ft)
0 (at pilot wal	8'2"	0+300	
0+50	10'0"	0+350	
0+100	10'0"	0+355 (north end)	
0+150	10'6"		
0+200	11'6"		
0+250			

starting at pilot wall working to the north

**IX. Samples Collected :**

**Mulch Testing:**

None today.

**XII. Visitors On-site**

<u>Name</u>	<u>Company/Organization</u>	<u>Time/duration of Visit</u>
Tom Battaglia	USACE	0900-0915
Tom Andrews	Parsons	1400-1500
Todd Heino	Parsons	1400-1500

**XIII. Health and Safety (see attached Tailgate Meeting Safety Attendance Log)**

<b>Accidents Reported Today:</b>	<b>0</b>
<b>Accidents to Date:</b>	<b>0</b>
<b>Days On-Site</b>	<b>13</b>

**XIV. Photo Documentation**

Mowing brush at north end of B1/B2.



**Daily Field Report  
Seneca PBC1**

JOB NAME	Ash Landfill Full Scale RA	DATE	Wednesday, Sep 13, 2006
CONTRACT	FA8903-04-D-8675 - AFCEE	REPORT NO.	14
PROJECT	Seneca PBC 1	WEATHER	Rain
JOB #	744538-02100	TEMPERATURE	55°-60°
CLIENT	Seneca Army Depot Activity	TIME/HRS	0700 – 1730

**I. XI. Narrative of Work Performed** (including problems encountered and corrective actions taken):

Continued clearing the NCLF. Rec'd 5 loads of mulch & 2 loads of topsoil (fine mulch). Town of Romulus Water Dept on-site to locate water lines near A1/A2 & B1/B2.

**II. Verbal discussions/Instructions:**

**III. Personnel On-site**

Name	Company/Organization	Role
Dan Hoffner	Parsons	CM
Dan Sessler	Sessler	Opr
Garry Henninger	Sessler	Opr

**IV. Equipment On-site**

Description	Model/Type	Qty
Excavator	Kobelco Mark IV, SK 300	1
Excavator	Komatsu PC300	1
R/T Loader	Cat 930G	1
Tractor w/Brush Hog	Case 1594 Tractor w/Rhino Brush Hog	1

**V. Materials: Moved, Delivered to, or Removed from the Jobsite**

Quantity Today	Material Removed/Delivered	Cumulative Quantity on Site	Source	Hauler
5lds, 500cy	Mulch	27 lds, 2700 cy	Henrietta development	Ricelli
None today	Sand	~124 loads ; 95 tandem, 29 trlr - est 2,063 cy	Junius sand pit	Dendis
None today	Soybean Oil	53,420lb: ~ 7,100gal	Sheppard Grain	Sheppard
2lds, 120cy	Topsoil (fine mulch)	2 lds, 120cy	Clifton Recycling	Clifton

**VI. QUANTITIES EXCAVATED**

None today.

Quantity Today	Debris Pile/Biowall Designation	Cumulative Quantity for Job	Final Disposition
0	B1	220lf, 491cy	

**Daily Field Report  
Seneca PBC1**

**VII. QUANTITIES BACKFILLED**

None today.

Quantity Today	Debris Pile/Biowall Designation	Cumulative Quantity for Job
0	B1	220lf, 491cy
0		0

**VIII. Trench Depth**

B1 Station	Depth (ft)	B1 Station	Depth (ft)
0 (pilot wall)	8'6"	0+300	
0+50	10'0"	0+355 (north end)	
0+100	10'8"		
0+150	11'0"		
0+200	10'6"		
0+250			

**IX. Samples Collected :**

**Mulch Testing:**

None today.

**XII. Visitors On-site**

<u>Name</u>	<u>Company/Organization</u>	<u>Time/duration of Visit</u>
Craig Sessler	Sessler	1400-1500
Todd Heno	Parsons	1600-1700
2 workers	Town of Romulus Water Dept	0900-1600

**XIII. Health and Safety (see Tailgate Meeting Safety Attendance Log)**

Accidents Reported Today:	0
Accidents to Date:	0
Days On-Site	14

**XIV. Photo Documentation**

No photos today.

**Daily Field Report  
Seneca PBC1**

JOB NAME	Ash Landfill Full Scale RA	DATE	Thursday, Sep 14, 2006
CONTRACT	FA8903-04-D-8675 - AFCEE	REPORT NO.	15
PROJECT	Seneca PBC 1	WEATHER	Rain
JOB #	744538-02100	TEMPERATURE	60°-70°
CLIENT	Seneca Army Depot Activity	TIME/HRS	0700 – 1730

**I. XI. Narrative of Work Performed** (including problems encountered and corrective actions taken):

Rec'd 5 loads of mulch from Ricelli & 2 loads from Clifton Recycling. Rec'd 1 tanker load of oil..

**II. Verbal discussions/Instructions:**

Instructed Sessler ( Chris Shaffer) to construct a 25 x 100 x 6" stone accessway to help control mud going out the access road.

**III. Personnel On-site**

Name	Company/Organization	Role
Dan Hoffner	Parsons	CM
Dan Sessler	Sessler	Opr

**IV. Equipment On-site**

Description	Model/Type	Qty
Excavator	Kobelco Mark IV, SK 300	1
Excavator	Komatsu PC300	1
R/T Loader	Cat 930G	1
Tractor w/Brush Hog	Case 1594 Tractor w/Rhino Brush Hog	1

**V. Materials: Moved, Delivered to, or Removed from the Jobsite**

Quantity Today	Material Removed/Delivered	Cumulative Quantity on Site	Source	Hauler
5, 100cy lds & 2 60 cy lds	Mulch	34 lds, 3320 cy	Ricelli & Clifton Recycling	Ricelli
None today	Sand	~124 loads ; 95 tandem, 29 trlr - est 2,063 cy	Junius sand pit	Dendis
27,180lb, 3233gal	Soybean Oil	80,600lb: ~ 10,333gal	Sheppard Grain	Sheppard
None today	Topsoil	2 lds, 120cy	Clifton Recycling	Clifton

**VI. QUANTITIES EXCAVATED**

None today.

Quantity Today	Debris Pile/Biowall Designation	Cumulative Quantity for Job	Final Disposition
0	B1	220lf, 491cy	

**Daily Field Report  
Seneca PBC1**

**VII. QUANTITIES BACKFILLED**

None today.

Quantity Today	Debris Pile/Biowall Designation	Cumulative Quantity for Job
0	B1	220lf, 491cy
0		0

**VIII. Trench Depth**

B1 Station	Depth (ft)	B1 Station	Depth (ft)
0 (pilot wall)	8'6"	0+300	
0+50	10'0"	0+355 (north end)	
0+100	10'8"		
0+150	11'0"		
0+200	10'6"		
0+250			

**IX. Samples Collected :**

**Mulch Testing:**

None today.

**XII. Visitors On-site**

<u>Name</u>	<u>Company/Organization</u>	<u>Time/duration of Visit</u>
Steve Absolom	SEDA	1400-1500
_____	_____	_____
_____	_____	_____
_____	_____	_____

**XIII. Health and Safety (see Tailgate Meeting Safety Attendance Log)**

Accidents Reported Today:	0
Accidents to Date:	0
Days On-Site	15

**XIV. Photo Documentation**

No photos today.

**Daily Field Report  
Seneca PBC1**

JOB NAME	Ash Landfill Full Scale RA	DATE	Friday, Sep 15, 2006
CONTRACT	FA8903-04-D-8675 - AFCEE	REPORT NO.	16
PROJECT	Seneca PBC 1	WEATHER	Overcast/pm sun
JOB #	744538-02100	TEMPERATURE	60°-70°
CLIENT	Seneca Army Depot Activity	TIME/HRS	0700 – 1730

**I. XI. Narrative of Work Performed** (including problems encountered and corrective actions taken):

Rec'd 5 loads of mulch from Ricelli. Mixing sand into 15 oiled 100cy mulch piles. Constructed stone accessway into site. Mulch testing for B1/B2 trenches.

**II. Verbal discussions/Instructions:**

**III. Personnel On-site**

Name	Company/Organization	Role
Dan Hoffner	Parsons	CM
Dan Sessler	Sessler	Opr
Chris Shaffer	Sessler	Sup't/Opr
Gary Henninger	Sessler	Opr

**IV. Equipment On-site**

Description	Model/Type	Qty
Excavator	Kobelco Mark IV, SK 300	1
Excavator	Komatsu PC300	1
R/T Loader	Cat 930G	1
Tractor w/Brush Hog	Case 1594 Tractor w/Rhino Brush Hog	1

**V. Materials: Moved, Delivered to, or Removed from the Jobsite**

Quantity Today	Material Removed/Delivered	Cumulative Quantity on Site	Source	Hauler
5, 100cy lds	Mulch	39 lds, 3820 cy	Ricelli	Ricelli
None today	Sand	~124 loads ; 95 tandem, 29 trlr - est 2,063 cy	Junius sand pit	Dendis
None today	Soybean Oil	80,600lb: ~ 10,333gal	Sheppard Grain	Sheppard
None today	Topsoil	2 lds, 120cy	Clifton Recycling	Clifton

**VI. QUANTITIES EXCAVATED**

None today.

Quantity Today	Debris Pile/Biowall Designation	Cumulative Quantity for Job	Final Disposition
0	B1	220lf, 491cy	

**Daily Field Report  
Seneca PBC1**

**VII. QUANTITIES BACKFILLED**

None today.

Quantity Today	Debris Pile/Biowall Designation	Cumulative Quantity for Job
0	B1	220lf, 491cy
0		0

**VIII. Trench Depth**

B1 Station	Depth (ft)	B1 Station	Depth (ft)
0 (pilot wall)	8'6"	0+300	
0+50	10'0"	0+355 (north end)	
0+100	10'8"		
0+150	11'0"		
0+200	10'6"		
0+250			

**IX. Samples Collected :**

**Mulch Testing:**

(See Field Mulch Testing form for Mulch Composition Assessment)

**XII. Visitors On-site**

<u>Name</u>	<u>Company/Organization</u>	<u>Time/duration of Visit</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

**XIII. Health and Safety (see Tailgate Meeting Safety Attendance Log)**

Accidents Reported Today:	0
Accidents to Date:	0
Days On-Site	16

**XIV. Photo Documentation**

Mulch testing.





**Daily Field Report  
Seneca PBC1**

JOB NAME	Ash Landfill Full Scale RA	DATE	Monday, Sep 18, 2006
CONTRACT	FA8903-04-D-8675 - AFCEE	REPORT NO.	17
PROJECT	Seneca PBC 1	WEATHER	Sun
JOB #	744538-02100	TEMPERATURE	65°-75°
CLIENT	Seneca Army Depot Activity	TIME/HRS	0700 – 1730

**I. XI. Narrative of Work Performed** (including problems encountered and corrective actions taken):

Rec'd 5 loads of mulch from Ricelli. Excavated and backfilled B1/B2 trench north of the 100ppb contour line. Excavated B1/B2 as a single 6'w trench.

**II. Verbal discussions/Instructions:**

**III. Personnel On-site**

Name	Company/Organization	Role
Dan Hoffner	Parsons	CM
Dan Sessler	Sessler	Opr
Gary Henninger	Sessler	Opr
Bendan Berek-Olmstead	Parsons	Eng

**IV. Equipment On-site**

Description	Model/Type	Qty
Excavator	Kobelco Mark IV, SK 300	1
Excavator	Komatsu PC340	1
R/T Loader	Cat 930G	1
Tractor w/Brush Hog	Case 1594 Tractor w/Rhino Brush Hog	Not used

**V. Materials: Moved, Delivered to, or Removed from the Jobsite**

Quantity Today	Material Removed/Delivered	Cumulative Quantity on Site	Source	Hauler
5, 100cy lds	Mulch	44 lds, 4320 cy	Ricelli	Ricelli
None today	Sand	~124 loads ; 95 tandem, 29 trlr - est 2,063 cy	Junius sand pit	Dendis
None today	Soybean Oil	80,600lb: ~ 10,333gal	Sheppard Grain	Sheppard
None today	Topsoil	2 lds, 120cy	Clifton Recycling	Clifton

**VI. QUANTITIES EXCAVATED**

See trench log for total quantities.

Quantity Today	Debris Pile/Biowall Designation	Cumulative Quantity for Job	Final Disposition
135lf, 633cy	B1/B2	355lf, 1124cy	

**Daily Field Report  
Seneca PBC1**

**VII. QUANTITIES BACKFILLED**

Quantity Today	Debris Pile/Biowall Designation	Cumulative Quantity for Job
1351f, 633cy	B1/B2	3551f, 1124cy
0	0	0

**VIII. Trench Depth**

<u>B1 Station</u>	<u>Depth (ft)</u>	<u>B1 Station</u>	<u>Depth (ft)</u>
0 (pilot wall)	8'6"	0+300	18'6"
0+50	10'0"	0+355 (north end)	13'0"
0+100	10'8"		
0+150	11'0"		
0+200	10'6"		
0+250	16'0"		

0 is at the pilot wall going north

**IX. Samples Collected :**

**Mulch Testing:**  
None today.

**XII. Visitors On-site**

<u>Name</u>	<u>Company/Organization</u>	<u>Time/duration of Visit</u>
Steve Absolom	SEDA	1500-1600
_____	_____	_____
_____	_____	_____
_____	_____	_____

**XIII. Health and Safety (see Tailgate Meeting Safety Attendance Log)**

<b>Accidents Reported Today:</b>	<b>0</b>
<b>Accidents to Date:</b>	<b>0</b>
<b>Days On-Site</b>	<b>17</b>

**XIV. Photo Documentation**

No photos today.

**Daily Field Report  
Seneca PBC1**

JOB NAME	Ash Landfill Full Scale RA	DATE	Tuesday, Sep 19, 2006
CONTRACT	FA8903-04-D-8675 - AFCEE	REPORT NO.	18
PROJECT	Seneca PBC 1	WEATHER	Rain/overcast
JOB #	744538-02100	TEMPERATURE	65°-75°
CLIENT	Seneca Army Depot Activity	TIME/HRS	0700 – 1730

**I. XI. Narrative of Work Performed** (including problems encountered and corrective actions taken):

Rec'd 5 loads of mulch. Rec'd 32 lds sand. Rec'd 4569 gal soybean oil. Finished excavating & backfilling B1/B2 north of the pilot wall.

**II. Verbal discussions/Instructions:**

Discussed constructing a single double wide (i.e. 6'wide) trench for the remaining trenches (A1/A2 & the southern B1/B2 trenches. Discussed single trench plan with Steve Absolom.

**III. Personnel On-site**

Name	Company/Organization	Role
Dan Hoffner	Parsons	CM
Dan Sessler	Sessler	Opr
Gary Henninger	Sessler	Opr
Bendan Barek-Olmstead	Parsons	Eng
Chris Shaffer	Sessler	Sup't/Opr

**IV. Equipment On-site**

Description	Model/Type	Qty
Excavator	Kobelco Mark IV, SK 300	1
Excavator	Komatsu PC340	1
R/T Loader	Cat 930G	1
Tractor w/Brush Hog	Case 1594 Tractor w/Rhino Brush Hog	Not used

**V. Materials: Moved, Delivered to, or Removed from the Jobsite**

Quantity Today	Material Removed/Delivered	Cumulative Quantity on Site	Source	Hauler
5, 100cy lds	Mulch	49 lds, 4820 cy	Ricelli	Ricelli
32lds	Sand	~156 loads ; 119 tandem, 37 trlr - est 2,599 cy	Junius sand pit	Dendis
35,640lb, 4569 gal	Soybean Oil	116,240lb: ~ 14,902gal	Sheppard Grain	Sheppard
None today	Topsoil	2 lds, 120cy	Clifton Recycling	Clifton

**VI. QUANTITIES EXCAVATED**

See trench log for total quantities.

Quantity Today	Debris Pile/Biowall Designation	Cumulative Quantity for Job	Final Disposition
225lf, 665cy	B2	225lf, 665cy	

**Daily Field Report  
Seneca PBC1**

**VII. QUANTITIES BACKFILLED**

Quantity Today	Debris Pile/Biowall Designation	Cumulative Quantity for Job
225lf, 665cy	B2	225lf, 665cy
0	0	0

**VIII. Trench Depth**

B2 Station	Depth (ft)	B2 Station	Depth (ft)
0 (pilot wall)	9'0"		
0+50	10'6"		
0+100	12'0"		
0+150	11'6"		
0+200	11'6"		
0+225	11'6"		

0 is at the pilot wall going north

**IX. Samples Collected :**

**Mulch Testing:**

None today.

**XII. Visitors On-site**

<u>Name</u>	<u>Company/Organization</u>	<u>Time/duration of Visit</u>
Steve Absolom	SEDA	1430-1530
Craig Sessler	Sessler	1230-1400

**XIII. Health and Safety (see Tailgate Meeting Safety Attendance Log)**

Accidents Reported Today:	0
Accidents to Date:	0
Days On-Site	18

**XIV. Photo Documentation**

Excavating B2. Note the smoke caused by the bucket scraping the bedrock.



**Daily Field Report  
Seneca PBC1**

JOB NAME	Ash Landfill Full Scale RA	DATE	Wednesday, Sep 20, 2006
CONTRACT	FA8903-04-D-8675 - AFCEE	REPORT NO.	19
PROJECT	Seneca PBC 1	WEATHER	Rain/overcast
JOB #	744538-02100	TEMPERATURE	55°-60°
CLIENT	Seneca Army Depot Activity	TIME/HRS	0700 – 1730

**I. XI. Narrative of Work Performed** (including problems encountered and corrective actions taken):

Rec'd 6 lds sand. Excavating & backfilling A1/A2 starting at the north end and working to the south. Mulch mixing. North end of A1/A2 trench (i.e. 0-200') is very soft. Having hard time getting mulch to the trench, excavator sinking while digging. Took B1/B2 trench spoils samples (3 ea) north of the pilot wall. Took 1 ea sample of the spoils C1/C2 in the south end area.

**II. Verbal discussions/Instructions:**

**III. Personnel On-site**

Name	Company/Organization	Role
Dan Hoffner	Parsons	CM
Dan Sessler	Sessler	Opr
Gary Henninger	Sessler	Opr
Bendan Berek-Olmstead	Parsons	Eng
Chris Shaffer	Sessler	Sup't/Opr

**IV. Equipment On-site**

Description	Model/Type	Qty
Excavator	Kobelco Mark IV, SK 300	1
Excavator	Komatsu PC340	1
R/T Loader	Cat 930G	1
Tractor w/Brush Hog	Case 1594 Tractor w/Rhino Brush Hog	Not used

**V. Materials: Moved, Delivered to, or Removed from the Jobsite**

Quantity Today	Material Removed/Delivered	Cumulative Quantity on Site	Source	Hauler
None today	Mulch	49 lds, 4820 cy	Ricelli	Ricelli
6 lds	Sand	~162 loads ; 119 tandem, 43 trlr - est 2,731 cy	Junius sand pit	Dendis
None today	Soybean Oil	116,240lb: ~ 14,902gal	Sheppard Grain	Sheppard
None today	Topsoil	2 lds, 120cy	Clifton Recycling	Clifton

**VI. QUANTITIES EXCAVATED**

See trench log for total quantities.

Quantity Today	Debris Pile/Biowall Designation	Cumulative Quantity for Job	Final Disposition
100lf, 556cy	A1/A2	100lf, 556cy	

**Daily Field Report  
Seneca PBC1**

**VII. QUANTITIES BACKFILLED**

Quantity Today	Debris Pile/Biowall Designation	Cumulative Quantity for Job
100lf, 556cy	A1/A2	100lf, 556cy

**VIII. Trench Depth**

A1/A2 Station	Depth (ft)	B2 Station	Depth (ft)
0 (north)	12'6"	0+300	
0+50	13'6"	0+350	
0+100	18'0"	0+375 (south end)	
0+150			
0+200			
0+250			

**IX. Samples Collected :**

**Mulch Testing:**  
None today.

**XII. Visitors On-site**

<u>Name</u>	<u>Company/Organization</u>	<u>Time/duration of Visit</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

**XIII. Health and Safety (see Tailgate Meeting Safety Attendance Log)**

<b>Accidents Reported Today:</b>	<b>0</b>
<b>Accidents to Date:</b>	<b>0</b>
<b>Days On-Site</b>	<b>19</b>

**XIV. Photo Documentation**

Trench A1/A2 looking south.



**Daily Field Report  
Seneca PBC1**

JOB NAME	Ash Landfill Full Scale RA	DATE	Thursday, Sep 21, 2006
CONTRACT	FA8903-04-D-8675 - AFCEE	REPORT NO.	20
PROJECT	Seneca PBC 1	WEATHER	Sunny/cool
JOB #	744538-02100	TEMPERATURE	50°-65°
CLIENT	Seneca Army Depot Activity	TIME/HRS	0700 – 1730

**I. XI. Narrative of Work Performed** (including problems encountered and corrective actions taken):

Rec'd 28 lds sand. Excavating & backfilling A1/A2 starting at the north end and working to the south. Mulch mixing. Completed A1/A2 trench as a single 6' wide trench. Mulch testing.

**II. Verbal discussions/Instructions:**

Town of Romulus Water Dept on-site to inspect 6" water line crossing A1/A2 trench. Pipe is 6" cast and snapped during excavation. Water Dept advised that line would be abandoned and not require repair/replacement.

**III. Personnel On-site**

Name	Company/Organization	Role
Dan Hoffner	Parsons	CM
Dan Sessler	Sessler	Opr
Gary Henninger	Sessler	Opr
Bendan Berek-Olmstead	Parsons	Eng
Chris Shaffer	Sessler	Sup't/Opr

**IV. Equipment On-site**

Description	Model/Type	Qty
Excavator	Kobelco Mark IV, SK 300	1
Excavator	Komatsu PC340	1
R/T Loader	Cat 930G	1
Tractor w/Brush Hog	Case 1594 Tractor w/Rhino Brush Hog	Not used

**V. Materials: Moved, Delivered to, or Removed from the Jobsite**

Quantity Today	Material Removed/Delivered	Cumulative Quantity on Site	Source	Hauler
None today	Mulch	49 lds, 4820 cy	Ricelli	Ricelli
28 lds	Sand	~190 loads ; 140 tandem, 50 trlr - est 3,200 cy	Junius sand pit	Dendis
None today	Soybean Oil	116,240lb: ~ 14,902gal	Sheppard Grain	Sheppard
None today	Topsoil	2 lds, 120cy	Clifton Recycling	Clifton

**VI. QUANTITIES EXCAVATED**

See trench log for total quantities.

Quantity Today	Debris Pile/Biowall Designation	Cumulative Quantity for Job	Final Disposition
375lf, 1462cy	A1/A2	375lf, 1462cy	

**Daily Field Report  
Seneca PBC1**

**VII. QUANTITIES BACKFILLED**

Quantity Today	Debris Pile/Biowall Designation	Cumulative Quantity for Job
375lf, 1462cy	A1/A2	375lf, 1462cy

**VIII. Trench Depth**

A1/A2 Station	Depth (ft)	B2 Station	Depth (ft)
0 (north)	12'6"	0+300	13'0"
0+50	13'6"	0+350	13'6"
0+100	18'0"	0+375 (south end)	10'0"
0+150	14'0"		
0+200	12'0"		
0+250	11'6"		

**IX. Samples Collected :**

**Mulch Testing:**

(See Field Mulch Testing form for Mulch Composition Assessment)

**XII. Visitors On-site**

<u>Name</u>	<u>Company/Organization</u>	<u>Time/duration of Visit</u>
Steve Absalom	SEDA	1430-1530
2 men from Water dept.	Town of Romulus	1230-1300

**XIII. Health and Safety (see Tailgate Meeting Safety Attendance Log)**

<b>Accidents Reported Today:</b>	<b>0</b>
<b>Accidents to Date:</b>	<b>0</b>
<b>Days On-Site</b>	<b>20</b>

**XIV. Photo Documentation**

Water line at A1/A2 trench.





**Daily Field Report  
Seneca PBC1**

JOB NAME	Ash Landfill Full Scale RA	DATE	Friday, Sep 22, 2006
CONTRACT	FA8903-04-D-8675 - AFCEE	REPORT NO.	21
PROJECT	Seneca PBC 1	WEATHER	Cloudy, some sun/cool
JOB #	744538-02100	TEMPERATURE	48°-65°
CLIENT	Seneca Army Depot Activity	TIME/HRS	0700 – 1730

**I. XI. Narrative of Work Performed** (including problems encountered and corrective actions taken):

Excavating & backfilling B1 & B2 starting at the south end, south of the pilot wall and working to the north. Mulch mixing. Completed the south section o B2 and 175lf of B1.

**II. Verbal discussions/Instructions:**

**III. Personnel On-site**

Name	Company/Organization	Role
Dan Hoffner	Parsons	CM
Dan Sessler	Sessler	Opr
Gary Henninger	Sessler	Opr
Chris Shaffer	Sessler	Sup't/Opr

**IV. Equipment On-site**

Description	Model/Type	Qty
Excavator	Kobelco Mark IV, SK 300	1
Excavator	Komatsu PC340	1
R/T Loader	Cat 930G	1
Tractor w/Brush Hog	Case 1594 Tractor w/Rhino Brush Hog	Not used
Dozer	Cat D6R LGP - delivered 1pm	1

**V. Materials: Moved, Delivered to, or Removed from the Jobsite**

None today

Quantity Today	Material Removed/Delivered	Cumulative Quantity on Site	Source	Hauler
None today	Mulch	49 lds, 4820 cy	Ricelli	Ricelli
None today	Sand	~190 loads ; 140 tandem, 50 trlr - est 3,200 cy	Junius sand pit	Dendis
None today	Soybean Oil	116,240lb: ~ 14,902gal	Sheppard Grain	Sheppard
None today	Topsoil	2 lds, 120cy	Clifton Recycling	Clifton

**VI. QUANTITIES EXCAVATED**

See trench log for total quantities.

Quantity Today	Debris Pile/Biowall Designation	Cumulative Quantity for Job	Final Disposition
175f, 259cy	B1	175f, 259cy	
315f, 583cy	B2	315f, 583cy	

**Daily Field Report  
Seneca PBC1**

**VII. QUANTITIES BACKFILLED**

Quantity Today	Debris Pile/Biowall Designation	Cumulative Quantity for Job
175f, 259cy	B1	175f, 259cy
315f, 583cy	B2	315f, 583cy

**Quantity Summary**

<u>Trench</u>	<u>Length (lf)</u>	<u>Volume (cy)</u>
C1	535	897
C2	535	997
B1(N)	220	491
B1/B2 (N)	135	633
B2 (N)	225	665
A1/A2	375	1,462
B1 (S)	175	259
B2 (S)	315	583
Totals	2,515	5,987

**VIII. Trench Depth**

<u>B1 Station</u>	<u>Depth (ft)</u>	<u>B2 Station</u>	<u>Depth (ft)</u>
0 (south)	8'6"	0 (south)	8'0"
0+50	10'0"	0+50	9'0"
0+100	10'0"	0+100	11'0"
0+150	10'0"	0+150	10'6"
0+200		0+200	10'0"
0+250		0+250	10'0"
0+300		0+300	10'0"
0+330 (pilot wall)		0+315 (pilot wall)	10'0"

**IX. Samples Collected :**

**Mulch Testing:**

None today.

**XII. Visitors On-site**

<u>Name</u>	<u>Company/Organization</u>	<u>Time/duration of Visit</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

**XIII. Health and Safety (see Tailgate Meeting Safety Attendance Log)**

Accidents Reported Today:	0
Accidents to Date:	0
Days On-Site	21

**XIV. Photo Documentation**

No photos today.

**Daily Field Report  
Seneca PBC1**

JOB NAME	Ash Landfill Full Scale RA	DATE	Monday, Sep 25, 2006
CONTRACT	FA8903-04-D-8675 - AFC EE	REPORT NO.	22
PROJECT	Seneca PBC 1	WEATHER	Mostly sunny
JOB #	744538-02100	TEMPERATURE	55°-65°
CLIENT	Seneca Army Depot Activity	TIME/HRS	0700 – 1730

**I. XI. Narrative of Work Performed** (including problems encountered and corrective actions taken):

Hauling C1/C2 trench spoils to the NCLF. Moved ~ 900cy of C1/C2 spoils and placed on the NCLF. Rec'd 3 loads of mulch. Rec'd 12 loads of sand. Collected spoils samples from B1 & B2 south of the pilot wall and A1/A2.

**II. Verbal discussions/Instructions:**

Discussed w/Steve Absolom what to do with trees on the perimeter of the NCLF - will discuss with Sessler & get recommendations. Discussed travel on & over trechns with construction equipment - will get engineering recommendations.

**III. Personnel On-site**

Name	Company/Organization	Role
Dan Hoffner	Parsons	CM
Dan Sessler	Sessler	Sup't/Opr
Gary Henninger	Sessler	Opr
Mark Andrews	Sessler	Driver
Bill Morlang	Sessler	Opr
Bendan Berek-Olmstead	Parsons	Eng

**IV. Equipment On-site**

Description	Model/Type	Qty
Excavator	Kobelco Mark IV, SK 300	Not used
Excavator	Komatsu PC340	1
R/T Loader	Cat 930G	1
Tractor w/Brush Hog	Case 1594 Tractor w/Rhino Brush Hog	Not used
Dozer	Cat D6R LGP	1
Off-Road Dump Truck	Volvo	1
10 wheel dump truck	Mack	1

**V. Materials: Moved, Delivered to, or Removed from the Jobsite**

None today

Quantity Today	Material Removed/Delivered	Cumulative Quantity on Site	Source	Hauler
3 lds, 300cy	Mulch	52 lds, 5,120 cy	Ricelli	Ricelli
12lds	Sand	~202 loads ; 149 tandem, 53 trlr - est 3,401 cy	Junius sand pit	Dendis
None today	Soybean Oil	116,240lb: ~ 14,902gal	Sheppard Grain	Sheppard
None today	Topsoil	2 lds, 120cy	Clifton Recycling	Clifton

**VI. QUANTITIES EXCAVATED**

See trench log for total quantities.

Quantity Today	Debris Pile/Biowall Designation	Cumulative Quantity for Job	Final Disposition
0	B1/B2 (N)	135f, 633cy	
0	B1 (N) & B2 (N)	4451f, 1,156cy	
0	C1/C2	1,070lf, 1,894cy	NCLF cover
0	A1/A2	3751f, 1,462cy	
0	B1 (S) & B2 (S)	490lf, 843cy	

**VII. QUANTITIES BACKFILLED**

Quantity Today	Debris Pile/Biowall Designation	Cumulative Quantity for Job
0	B1/B2 (N)	135f, 633cy
0	B1 (N) & B2 (N)	4451f, 1,156cy
0	C1/C2	1,070lf, 1,894cy
0	A1/A2	3751f, 1,462cy
0	B1 (S) & B2 (S)	490lf, 843cy

**Daily Field Report  
Seneca PBC1**

**Quantity Summary**

<u>Trench</u>	<u>Length (lf)</u>	<u>Volume (cy)</u>
C1	535	897
C2	535	997
B1(N)	220	491
B1/B2 (N)	135	633
B2 (N)	225	665
A1/A2	375	1,462
B1 (S)	175	259
B2 (S)	315	583
Totals	2,515	5,987

**VIII. Trench Depth**

<u>B1 Station</u>	<u>Depth (ft)</u>	<u>B2 Station</u>	<u>Depth (ft)</u>
0 (south)	8'6"	0 (south)	8'0"
0+50	10'0"	0+50	9'0"
0+100	10'0"	0+100	11'0"
0+150	10'0"	0+150	10'6"
0+200		0+200	10'0"
0+250		0+250	10'0"
0+300		0+300	10'0"
0+330 (pilot wall)		0+315 (pilot wall)	10'0"

**IX. Samples Collected :**

**Mulch Testing:**

None today.

**XII. Visitors On-site**

<u>Name</u>	<u>Company/Organization</u>	<u>Time/duration of Visit</u>
Craig Sessler	Sessler	0800-0900
Steve Absolom	SEDA	1330-1430

**XIII. Health and Safety (see Tailgate Meeting Safety Attendance Log)**

<b>Accidents Reported Today:</b>	<b>0</b>
<b>Accidents to Date:</b>	<b>0</b>
<b>Days On-Site</b>	<b>22</b>

**XIV. Photo Documentation**

Placing fill on the Non-Combustible Landfill.



**Daily Field Report  
Seneca PBC1**

JOB NAME	Ash Landfill Full Scale RA	DATE	Tuesday, Sep 26, 2006
CONTRACT	FA8903-04-D-8675 - AFCEE	REPORT NO.	23
PROJECT	Seneca PBC 1	WEATHER	Mostly sunny
JOB #	744538-02100	TEMPERATURE	55°-65°
CLIENT	Seneca Army Depot Activity	TIME/HRS	0700 – 1730

**I. XI. Narrative of Work Performed** (including problems encountered and corrective actions taken):

Finished hauling C1/C2 trench spoils to the NCLF. Moved ~ 900cy of C1/C2 spoils and placed on the NCLF. Started hauling B1/B2 north trench spoils to the NCLF.

**II. Verbal discussions/Instructions:**

Rec'd lab results from B1/B2 north trench spoils - all non-detect for TCE.

**III. Personnel On-site**

Name	Company/Organization	Role
Dan Hoffner	Parsons	CM
Dan Sessler	Sessler	Sup't/Opr
Gary Henninger	Sessler	Opr
Mark Andrews	Sessler	Driver
Bill Morlang	Sessler	Opr
Bendan Barek-Olmstead	Parsons	Eng

**IV. Equipment On-site**

Description	Model/Type	Qty
Excavator	Kobelco Mark IV, SK 300	Not used
Excavator	Komatsu PC340	1
R/T Loader	Cat 930G	1
Tractor w/Brush Hog	Case 1594 Tractor w/Rhino Brush Hog	Not used
Dozer	Cat D6R LGP	1
Off-Road Dump Truck	Volvo	1
10 wheel dump truck	Mack	1

**V. Materials: Moved, Delivered to, or Removed from the Jobsite**

None today

Quantity Today	Material Removed/Delivered	Cumulative Quantity on Site	Source	Hauler
None today	Mulch	52 lds, 5,120 cy	Ricelli	Ricelli
None today	Sand	~202 loads ; 149 tandem, 53 trlr - est 3,401 cy	Junius sand pit	Dendis
None today	Soybean Oil	116,240lb: ~ 14,902gal	Sheppard Grain	Sheppard
None today	Topsoil	2 lds, 120cy	Clifton Recycling	Clifton

**VI. QUANTITIES EXCAVATED**

See trench log for total quantities.

Quantity Today	Debris Pile/Biowall Designation	Cumulative Quantity for Job	Final Disposition
0	B1/B2 (N)	135f, 633cy	
0	B1 (N) & B2 (N)	4451f, 1,156cy	
0	C1/C2	1,070lf, 1,894cy	NCLF cover
0	A1/A2	3751f, 1,462cy	
0	B1 (S) & B2 (S)	490lf, 843cy	

**VII. QUANTITIES BACKFILLED**

Quantity Today	Debris Pile/Biowall Designation	Cumulative Quantity for Job
0	B1/B2 (N)	135f, 633cy
0	B1 (N) & B2 (N)	4451f, 1,156cy
0	C1/C2	1,070lf, 1,894cy
0	A1/A2	3751f, 1,462cy
0	B1 (S) & B2 (S)	490lf, 843cy

**Daily Field Report  
Seneca PBC1**

**Quantity Summary**

<u>Trench</u>	<u>Length (lf)</u>	<u>Volume (cy)</u>
C1	535	897
C2	535	997
B1(N)	220	491
B1/B2 (N)	135	633
B2 (N)	225	665
A1/A2	375	1,462
B1 (S)	175	259
B2 (S)	315	583
Totals	2,515	5,987

**VIII. Trench Depth**

<u>B1 Station</u>	<u>Depth (ft)</u>	<u>B2 Station</u>	<u>Depth (ft)</u>
0 (south)	8'6"	0 (south)	8'0"
0+50	10'0"	0+50	9'0"
0+100	10'0"	0+100	11'0"
0+150	10'0"	0+150	10'6"
0+200		0+200	10'0"
0+250		0+250	10'0"
0+300		0+300	10'0"
0+330 (pilot wall)		0+315 (pilot wall)	10'0"

**IX. Samples Collected :**

**Mulch Testing:**

None today.

**XII. Visitors On-site**

<u>Name</u>	<u>Company/Organization</u>	<u>Time/duration of Visit</u>
Craig Sessler	Sessler	1000-1100
Vern Sessler	Sessler	1000-1100
Tom Battaglia	USACE	1330-1430
Todd Heino	Parsons	1000-1200

**XIII. Health and Safety (see Tailgate Meeting Safety Attendance Log)**

<b>Accidents Reported Today:</b>	<b>0</b>
<b>Accidents to Date:</b>	<b>0</b>
<b>Days On-Site</b>	<b>23</b>

**XIV. Photo Documentation**

None today.

**Daily Field Report  
Seneca PBC1**

JOB NAME	Ash Landfill Full Scale RA	DATE	Wednesday, Sep 27, 2006
CONTRACT	FA8903-04-D-8675 - AFC EE	REPORT NO.	24
PROJECT	Seneca PBC 1	WEATHER	Sunny
JOB #	744538-02100	TEMPERATURE	55°-70°
CLIENT	Seneca Army Depot Activity	TIME/HRS	0700 – 1730

**I. XI. Narrative of Work Performed** (including problems encountered and corrective actions taken):

Hauling B1/B2 (N) trench spoils to the NCLF. Moved ~ 800cy of B1/B2 spoils and placed on the NCLF. Mulch mixing - 3 100cy piles. Excavated and backfilled 251f of C1 & 251f of C2 (north sections). Excavated and backfilled 1551f of B1. All trenches are now complete. Collected samples for C1 & C2 south sections for VOC analysis.

**II. Verbal discussions/Instructions:**

Discussed 8" cover on NCLF with Dan Sessler - made sure we were getting at least 8".

**III. Personnel On-site**

Name	Company/Organization	Role
Dan Hoffner	Parsons	CM
Dan Sessler	Sessler	Sup't/Opr
Gary Henninger	Sessler	Opr
Mark Andrews	Sessler	Driver
Ray Slayton	Sessler	Opr
Todd Worden	Sessler	Opr

**IV. Equipment On-site**

Description	Model/Type	Qty
Excavator	Kobelco Mark IV, SK 300	1
Excavator	Komatsu PC340	1
R/T Loader	Cat 930G	1
Tractor w/Brush Hog	Case 1594 Tractor w/Rhino Brush Hog	Not used
Dozer	Cat D6R LGP	1
Off-Road Dump Truck	Volvo	1
10 wheel dump truck	Mack	1

**V. Materials: Moved, Delivered to, or Removed from the Jobsite**

None today

Quantity Today	Material Removed/Delivered	Cumulative Quantity on Site	Source	Hauler
None today	Mulch	52 lds, 5,120 cy	Ricelli	Ricelli
None today	Sand	~202 loads ; 149 tandem, 53 trlr - est 3,401 cy	Junius sand pit	Dendis
694 gal, 5,420lb	Soybean Oil	121,660lb: ~ 15,596gal	Sheppard Grain	Sheppard
None today	Ash LF Mulch	2 lds, 120cy	Clifton Recycling	Clifton

**VI. QUANTITIES EXCAVATED**

See trench log for total quantities.

Quantity Today	Debris Pile/Biowall Designation	Cumulative Quantity for Job	Final Disposition
Complete	B1/B2 (N)	135f, 633cy	NCLF cover
Complete	B1 (N) & B2 (N)	4451f, 1,133cy	
501f, 58cy	C1/C2	1,1201f, 1,936cy	NCLF cover
Complete	A1/A2	3751f, 1,462cy	
1551f, 287cy	B1 (S) & B2 (S)	6451f, 1,072cy	

**VII. QUANTITIES BACKFILLED**

Quantity Today	Debris Pile/Biowall Designation	Cumulative Quantity for Job
Complete	B1/B2 (N)	135f, 633cy
Complete	B1 (N) & B2 (N)	4451f, 1,133cy
501f, 58cy	C1/C2	1,1201f, 1,936cy
Complete	A1/A2	3751f, 1,462cy
1551f, 287cy	B1 (S) & B2 (S)	6451f, 1,072cy

**Daily Field Report  
Seneca PBC1**

**Quantity Summary**

<u>Trench</u>	<u>Length (lf)</u>	<u>Volume (cy)</u>
C1	560	917
C2	560	1,019
B1(N)	220	491
B1/B2 (N)	135	633
B2 (N)	225	665
A1/A2	375	1,462
B1 (S)	330	489
B2 (S)	315	583
Totals	2,720	6,259

**VIII. Trench Depth**

<u>B1 Station</u>	<u>Depth (ft)</u>	<u>B2 Station</u>	<u>Depth (ft)</u>
0 (south)	8'6"	0 (south)	8'0"
0+50	10'0"	0+50	9'0"
0+100	10'0"	0+100	11'0"
0+150	10'0"	0+150	10'6"
0+200	11'0"	0+200	10'0"
0+250	9'6"	0+250	10'0"
0+300	10'0"	0+300	10'0"
0+330 (pilot w 10')		0+315 (pilot wall)	10'0"

**IX. Samples Collected :**

**Mulch Testing:**

None today.

**XII. Visitors On-site**

<u>Name</u>	<u>Company/Organization</u>	<u>Time/duration of Visit</u>
Vern Sessler	Sessler	0700-0730

**XIII. Health and Safety (see Tailgate Meeting Safety Attendance Log)**

Accidents Reported Today:	0
Accidents to Date:	0
Days On-Site	24

**XIV. Photo Documentation**

None today.



**Daily Field Report  
Seneca PBC1**

JOB NAME	Ash Landfill Full Scale RA	DATE	Thursday, Sep 28, 2006
CONTRACT	FA8903-04-D-8675 - AFCEE	REPORT NO.	25
PROJECT	Seneca PBC 1	WEATHER	Cloudy/Rain pm
JOB #	744538-02100	TEMPERATURE	60°-65°
CLIENT	Seneca Army Depot Activity	TIME/HRS	0700 – 1530

**I. XI. Narrative of Work Performed** (including problems encountered and corrective actions taken):

Hauling B1/B2 trench spoils to the NCLF. Moved ~ 500cy. Total trench spoils placed on NCLF ~3,100cy. Rec'd 2 loads of mulch for use on the Ash Landfill.

**II. Verbal discussions/Instructions:**

Discussed the following w/Jackie & Todd: trench cover - 1 ft of soil & stakes. Discussed debris pile area cleanup with Steve Absolom - will excavate to native soil (0-2ft depth) - no confirmation sampling. Discussed seed mix - use some form of Meadow Mi (will submit product data for review).

**III. Personnel On-site**

Name	Company/Organization	Role
Dan Hoffner	Parsons	CM
Dan Sessler	Sessler	Sup'r/Opr
Gary Henninger	Sessler	Opr
Ray Slayton	Sessler	Opr
Steve Lanning	Sessler	Opr

**IV. Equipment On-site**

Description	Model/Type	Qty
Excavator	Kobelco Mark IV, SK 300	1
Excavator	Komatsu PC340	1
R/T Loader	Cat 930G	1
Tractor w/Brush Hog	Case 1594 Tractor w/Rhino Brush Hog	Not used
Dozer	Cat D6R LGP	1
Off-Road Dump Truck	Volvo	1
10 wheel dump truck	Mack	1

**V. Materials: Moved, Delivered to, or Removed from the Jobsite**

None today

Quantity Today	Material Removed/Delivered	Cumulative Quantity on Site	Source	Hauler
Complete	Mulch	52 lds, 5,120 cy	Ricelli	Ricelli
Complete	Sand	~202 loads ; 149 tandem, 53 trlr - est 3,401 cy	Junius sand pit	Dendis
Complete	Soybean Oil	121,660lb: ~ 15,596gal	Sheppard Grain	Sheppard
2 lds, 120 cy	Ash LF Mulch	4 lds, 240cy	Clifton Recycling	Clifton

**VI. QUANTITIES EXCAVATED**

See trench log for total quantities.

Quantity Today	Debris Pile/Biowall Designation	Cumulative Quantity for Job	Final Disposition
Complete	B1/B2 (N)	135f, 633cy	NCLF cover
Complete	B1 (N) & B2 (N)	4451f, 1,156cy	
Complete	C1/C2	1,120lf, 1,936cy	NCLF cover
Complete	A1/A2	3751f, 1,462cy	
Complete	B1 (S) & B2 (S)	6451f, 1,072cy	

**VII. QUANTITIES BACKFILLED**

Quantity Today	Debris Pile/Biowall Designation	Cumulative Quantity for Job
Complete	B1/B2 (N)	135f, 633cy
Complete	B1 (N) & B2 (N)	4451f, 1,156cy
Complete	C1/C2	1,120lf, 1,936cy
Complete	A1/A2	3751f, 1,462cy
Complete	B1 (S) & B2 (S)	6451f, 1,072cy

**Daily Field Report  
Seneca PBC1**

**Quantity Summary**

<u>Trench</u>	<u>Length (lf)</u>	<u>Volume (cy)</u>
C1	560	917
C2	560	1,019
B1(N)	220	491
B1/B2 (N)	135	633
B2 (N)	225	665
A1/A2	375	1,462
B1 (S)	330	489
B2 (S)	315	583
Totals	2,720	6,259

**VIII. Trench Depth**

See trench log.

**IX. Samples Collected :**

**Mulch Testing:**

None today.

**XII. Visitors On-site**

<u>Name</u>	<u>Company/Organization</u>	<u>Time/duration of Visit</u>
Steve Absolom	SEDA	1000-1030
_____	_____	_____
_____	_____	_____
_____	_____	_____

**XIII. Health and Safety (see Tailgate Meeting Safety Attendance Log)**

Accidents Reported Today:	0
Accidents to Date:	0
Days On-Site	25

**XIV. Photo Documentation**

None today.

**Daily Field Report  
Seneca PBC1**

JOB NAME	Ash Landfill Full Scale RA	DATE	Monday, Oct 2, 2006
CONTRACT	FA8903-04-D-8675 - AFCEE	REPORT NO.	26
PROJECT	Seneca PBC 1	WEATHER	Some sun/clear
JOB #	744538-02100	TEMPERATURE	45°-65°
CLIENT	Seneca Army Depot Activity	TIME/HRS	0700 – 1730

**I. XI. Narrative of Work Performed** (including problems encountered and corrective actions taken):

Hauling B1/B2 trench spoils to the NCLF. Moved ~ 500cy. Total trench spoils placed on NCLF ~3,600cy. Rec'd 2 loads of mulch for use on the Ash Landfill. Placement of mulch on ash landfill prior to placement of trench spoils. Began placement of A1/A2 trench spoils on the ash landfill. 8' layer of fill on NCLF is complete and is waiting for final 4" of topsoil. Cleared area around the 3 debris piles with the brush hog.

**II. Verbal discussions/Instructions:**

**III. Personnel On-site**

Name	Company/Organization	Role
Dan Hoffner	Parsons	CM
Dan Sessler	Sessler	Sup't/Opr
Gary Henninger	Sessler	Opr
Todd Worden	Sessler	Opr
Brian Sessler	Sessler	Opr

**IV. Equipment On-site**

Description	Model/Type	Qty
Excavator	Kobelco Mark IV, SK 300	Not Used
Excavator	Komatsu PC340	1
R/T Loader	Cat 930G	1
Tractor w/Brush Hog	Case 1594 Tractor w/Rhino Brush Hog	1
Dozer	Cat D6R LGP	1
Off-Road Dump Truck	Volvo	1
10 wheel dump truck	Mack	1

**V. Materials: Moved, Delivered to, or Removed from the Jobsite**

Quantity Today	Material Removed/Delivered	Cumulative Quantity on Site	Source	Hauler
Complete	Mulch	52 lds, 5,120 cy	Ricelli	Ricelli
Complete	Sand	~202 loads ; 149 tandem, 53 trlr - est 3,401 cy	Junius sand pit	Dendis
Complete	Soybean Oil	121,660lb: ~ 15,596gal	Sheppard Grain	Sheppard
2 lds, 120 cy	Ash LF Mulch	6 lds, 360cy	Clifton Recycling	Clifton

**VI. QUANTITIES EXCAVATED**

See trench log for total quantities.

Quantity Today	Debris Pile/Biowall Designation	Cumulative Quantity for Job	Final Disposition
Complete	B1/B2 (N)	135f, 633cy	NCLF cover
Complete	B1 (N) & B2 (N)	445lf, 1,156cy	ALF/NCLF cover
Complete	C1/C2	1,120lf, 1,936cy	NCLF cover
Complete	A1/A2	375lf, 1,462cy	ALF cover
Complete	B1 (S) & B2 (S)	645lf, 1,072cy	NCLF cover

**VII. QUANTITIES BACKFILLED**

Quantity Today	Debris Pile/Biowall Designation	Cumulative Quantity for Job
Complete	B1/B2 (N)	135f, 633cy
Complete	B1 (N) & B2 (N)	445lf, 1,156cy
Complete	C1/C2	1,120lf, 1,936cy
Complete	A1/A2	375lf, 1,462cy
Complete	B1 (S) & B2 (S)	645lf, 1,072cy

**Daily Field Report  
Seneca PBC1**

**Quantity Summary**

<u>Trench</u>	<u>Length (lf)</u>	<u>Volume (cy)</u>
C1	560	917
C2	560	1,019
B1(N)	220	491
B1/B2 (N)	135	633
B2 (N)	225	665
A1/A2	375	1,462
B1 (S)	330	489
B2 (S)	315	583
Totals	2,720	6,259

**VIII. Trench Depth**

See trench log.

**IX. Samples Collected :**

**Mulch Testing:**

None today.

**XII. Visitors On-site**

<u>Name</u>	<u>Company/Organization</u>	<u>Time/duration of Visit</u>
Steve Absolom	SEDA	1000-1030
Craig Sessler	Sessler	1500-1630

**XIII. Health and Safety (see Tailgate Meeting Safety Attendance Log)**

<b>Accidents Reported Today:</b>	<b>0</b>
<b>Accidents to Date:</b>	<b>0</b>
<b>Days On-Site</b>	<b>26</b>

**XIV. Photo Documentation**

NCLF looking west. Note the grade stakes with ribbon tied at 12".



**Daily Field Report  
Seneca PBC1**

JOB NAME	Ash Landfill Full Scale RA	DATE	Tuesday, Oct 3, 2006
CONTRACT	FA8903-04-D-8675 - AFCEE	REPORT NO.	27
PROJECT	Seneca PBC 1	WEATHER	Rain
JOB #	744538-02100	TEMPERATURE	55°-70°
CLIENT	Seneca Army Depot Activity	TIME/HRS	0700 – 1730

**I. XI. Narrative of Work Performed** (including problems encountered and corrective actions taken):

Pushing A1/A2 & B1 & B2 trench spoils onto the Ash Landfill. Rec'd 6 loads of mulch - placed on Ash Landfill. Nearly 75% complete on 1st 8" layer of cover.

**II. Verbal discussions/Instructions:**

**III. Personnel On-site**

Name	Company/Organization	Role
Dan Hoffner	Parsons	CM
Dan Sessler	Sessler	Sup't/Opr
Gary Henninger	Sessler	Opr
Todd Worden	Sessler	Opr
Brian Sessler	Sessler	Opr
Bendan Barek-Olmstead	Parsons	Eng

**IV. Equipment On-site**

Description	Model/Type	Qty
Excavator	Kobelco Mark IV, SK 300	Not Used
Excavator	Komatsu PC340	Demob today
R/T Loader	Cat 930G	1
Tractor w/Brush Hog	Case 1594 Tractor w/Rhino Brush Hog	1
Dozer	Cat D6R LGP	1
Off-Road Dump Truck	Volvo	1
10 wheel dump truck	Mack	1
Dozer	Case 850D	1

**V. Materials: Moved, Delivered to, or Removed from the Jobsite**

Quantity Today	Material Removed/Delivered	Cumulative Quantity on Site	Source	Hauler
Complete	Mulch	52 lds, 5,120 cy	Ricelli	Ricelli
Complete	Sand	~202 loads ; 149 tandem, 53 trlr - est 3,401 cy	Junius sand pit	Dendis
Complete	Soybean Oil	121,660lb: ~ 15,596gal	Sheppard Grain	Sheppard
6 lds, 360 cy	Ash LF Mulch	12 lds, 720cy	Clifton Recycling	Clifton

**VI. QUANTITIES EXCAVATED**

See trench log for total quantities.

Quantity Today	Debris Pile/Biowall Designation	Cumulative Quantity for Job	Final Disposition
Complete	B1/B2 (N)	135f, 633cy	NCLF cover
Complete	B1 (N) & B2 (N)	445f, 1,156cy	ALF/NCLF cover
Complete	C1/C2	1,120f, 1,936cy	NCLF cover
Complete	A1/A2	375f, 1,462cy	ALF cover
Complete	B1 (S) & B2 (S)	645f, 1,072cy	NCLF cover

**VII. QUANTITIES BACKFILLED**

Quantity Today	Debris Pile/Biowall Designation	Cumulative Quantity for Job
Complete	B1/B2 (N)	135f, 633cy
Complete	B1 (N) & B2 (N)	445f, 1,156cy
Complete	C1/C2	1,120f, 1,936cy
Complete	A1/A2	375f, 1,462cy
Complete	B1 (S) & B2 (S)	645f, 1,072cy

**Daily Field Report  
Seneca PBC1**

**Quantity Summary**

<u>Trench</u>	<u>Length (lf)</u>	<u>Volume (cy)</u>
C1	560	917
C2	560	1,019
B1(N)	220	491
B1/B2 (N)	135	633
B2 (N)	225	665
A1/A2	375	1,462
B1 (S)	330	489
B2 (S)	315	583
Totals	2,720	6,259

**VIII. Trench Depth**

See trench log.

**IX. Samples Collected :**

**Mulch Testing:**

None today.

**XII. Visitors On-site**

<u>Name</u>	<u>Company/Organization</u>	<u>Time/duration of Visit</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

**XIII. Health and Safety (see Tailgate Meeting Safety Attendance Log)**

<b>Accidents Reported Today:</b>	<b>0</b>
<b>Accidents to Date:</b>	<b>0</b>
<b>Days On-Site</b>	<b>27</b>

**XIV. Photo Documentation**

Spreading mulch on Ash Landfill as 1st layer of cover.



**Daily Field Report  
Seneca PBC1**

JOB NAME	Ash Landfill Full Scale RA	DATE	Wednesday, Oct 4, 2006
CONTRACT	FA8903-04-D-8675 - AFCEE	REPORT NO.	28
PROJECT	Seneca PBC 1	WEATHER	Rain/Overcast
JOB #	744538-02100	TEMPERATURE	60°-70°
CLIENT	Seneca Army Depot Activity	TIME/HRS	0700 – 1730

**I. XI. Narrative of Work Performed** (including problems encountered and corrective actions taken):

Finish placing 8" layer of trench spoils on Ash Landfill. Placed ~2,700cy of trench spoils & 720 cy of mulch in total. Both the NCLF & the Ash LF are now ready for topsoil - awaiting receipt of chemical analysis.

**II. Verbal discussions/Instructions:**

**III. Personnel On-site**

Name	Company/Organization	Role
Dan Hoffner	Parsons	CM
Dan Sessler	Sessler	Sup't/Opr

**IV. Equipment On-site**

Description	Model/Type	Qty
Excavator	Kobelco Mark IV, SK 300	Not Used
Dozer	Case 850D	1
R/T Loader	Cat 930G	1
Tractor w/Brush Hog	Case 1594 Tractor w/Rhino Brush Hog	Not Used
Dozer	Cat D6R LGP	1
Off-Road Dump Truck	Volvo	Not Used
10 wheel dump truck	Mack	Not Used

**V. Materials: Moved, Delivered to, or Removed from the Jobsite**

None today

Quantity Today	Material Removed/Delivered	Cumulative Quantity on Site	Source	Hauler
Complete	Mulch	52 lds, 5,120 cy	Ricelli	Ricelli
Complete	Sand	~202 loads ; 149 tandem, 53 trlr - est 3,401 cy	Junius sand pit	Dendis
Complete	Soybean Oil	121,660lb: ~ 15,596gal	Sheppard Grain	Sheppard
Complete	Ash LF Mulch	12 lds, 720cy	Clifton Recycling	Clifton

**VI. QUANTITIES EXCAVATED**

See trench log for total quantities.

Quantity Today	Debris Pile/Biowall Designation	Cumulative Quantity for Job	Final Disposition
Complete	B1/B2 (N)	135f, 633cy	NCLF cover
Complete	B1 (N) & B2 (N)	4451f, 1,156cy	ALF/NCLF cover
Complete	C1/C2	1,120lf, 1,936cy	NCLF cover
Complete	A1/A2	375lf, 1,462cy	ALF cover
Complete	B1 (S) & B2 (S)	645lf, 1,072cy	NCLF cover

**VII. QUANTITIES BACKFILLED**

Quantity Today	Debris Pile/Biowall Designation	Cumulative Quantity for Job
Complete	B1/B2 (N)	135f, 633cy
Complete	B1 (N) & B2 (N)	4451f, 1,156cy
Complete	C1/C2	1,120lf, 1,936cy
Complete	A1/A2	375lf, 1,462cy
Complete	B1 (S) & B2 (S)	645lf, 1,072cy

**Daily Field Report  
Seneca PBC1**

**Quantity Summary**

<u>Trench</u>	<u>Length (lf)</u>	<u>Volume (cy)</u>
C1	560	917
C2	560	1,019
B1(N)	220	491
B1/B2 (N)	135	633
B2 (N)	225	665
A1/A2	375	1,462
B1 (S)	330	489
B2 (S)	315	583
Totals	2,720	6,259

**VIII. Trench Depth**

See trench log.

**IX. Samples Collected :**

**Mulch Testing:**

None today.

**XII. Visitors On-site**

<u>Name</u>	<u>Company/Organization</u>	<u>Time/duration of Visit</u>
Craig Sessler	Sessler	0800-0830
_____	_____	_____
_____	_____	_____
_____	_____	_____

**XIII. Health and Safety (see Tailgate Meeting Safety Attendance Log)**

<b>Accidents Reported Today:</b>	<b>0</b>
<b>Accidents to Date:</b>	<b>0</b>
<b>Days On-Site</b>	<b>28</b>

**XIV. Photo Documentation**

None today.



**Daily Field Report  
Seneca PBC1**

JOB NAME	Ash Landfill Full Scale RA	DATE	Monday, Oct 9, 2006
CONTRACT	FA8903-04-D-8675 - AFCEE	REPORT NO.	29
PROJECT	Seneca PBC 1	WEATHER	Sun
JOB #	744538-02100	TEMPERATURE	50°-70°
CLIENT	Seneca Army Depot Activity	TIME/HRS	0700 – 1730

**I. XI. Narrative of Work Performed** (including problems encountered and corrective actions taken):

Excavated the NW & SW Debris Piles (SEAD-14). Removed ~200cy. Began topsoil delivery & placement on the Ash LF.

**II. Verbal discussions/Instructions:**

**III. Personnel On-site**

Name	Company/Organization	Role
Dan Hoffner	Parsons	CM
Dan Sessler	Sessler	Sup't/Opr
Gary Henninger	Sessler	Opr
Bendan Berek-Olmstead	Parsons	Eng

**IV. Equipment On-site**

Description	Model/Type	Qty
Excavator	Kobelco Mark IV, SK 300	1
Dozer	Case 850D	1
Tractor w/Brush Hog	Case 1594 Tractor w/Rhino Brush Hog	1
Dozer	Cat D6R LGP	1
Off-Road Dump Truck	Volvo	1
10 wheel dump truck	Mack	Not Used

**V. Materials: Moved, Delivered to, or Removed from the Jobsite**

Quantity Today	Material Removed/Delivered	Cumulative Quantity on Site	Source	Hauler
33 lds, 495cy	Topsoil	33 lds, 495cy	Junius sand pit	Dendis
Complete	Mulch	52 lds, 5,120 cy	Ricelli	Ricelli
Complete	Sand	~202 loads ; 149 tandem, 53 trlr - est 3,401 cy	Junius sand pit	Dendis
Complete	Soybean Oil	121,660lb: ~ 15,596gal	Sheppard Grain	Sheppard
Complete	Ash LF Mulch	12 lds, 720cy	Clifton Recycling	Clifton

**VI. QUANTITIES EXCAVATED**

See trench log for total quantities.

Quantity Today	Debris Pile/Biowall Designation	Cumulative Quantity for Job	Final Disposition
~100cy	NW Debris Pile	~100cy	
~100cy	SW Debris Pile	~100cy	
	E Debris Pile		
Complete	B1/B2 (N)	135f, 633cy	NCLF cover
Complete	B1 (N) & B2 (N)	445f, 1,156cy	ALF/NCLF cover
Complete	C1/C2	1,120f, 1,936cy	NCLF cover
Complete	A1/A2	375f, 1,462cy	ALF cover
Complete	B1 (S) & B2 (S)	645f, 1,072cy	NCLF cover

**VII. QUANTITIES BACKFILLED**

Quantity Today	Debris Pile/Biowall Designation	Cumulative Quantity for Job
Complete	B1/B2 (N)	135f, 633cy
Complete	B1 (N) & B2 (N)	445f, 1,156cy
Complete	C1/C2	1,120f, 1,936cy
Complete	A1/A2	375f, 1,462cy
Complete	B1 (S) & B2 (S)	645f, 1,072cy

**VIII. Trench Depth**

See trench log.

**IX. Samples Collected :**

**Mulch Testing:**

None today.

**XII. Visitors On-site**

<u>Name</u>	<u>Company/Organization</u>	<u>Time/duration of Visit</u>
Craig Sessler	Sessler	0800-0830
_____	_____	_____
_____	_____	_____
_____	_____	_____

**XIII. Health and Safety (see Tailgate Meeting Safety Attendance Log)**

Accidents Reported Today:	0
Accidents to Date:	0
Days On-Site	29

**XIV. Photo Documentation**

Southwest Debris Pile (SEAD-14) excavated - looking south.



Northwest Debris Pile (SEAD-14) excavated - looking west.



**Daily Field Report  
Seneca PBC1**

JOB NAME	Ash Landfill Full Scale RA	DATE	Tuesday, Oct 10, 2006
CONTRACT	FA8903-04-D-8675 - AFCEE	REPORT NO.	30
PROJECT	Seneca PBC 1	WEATHER	Sun
JOB #	744538-02100	TEMPERATURE	50°.65°
CLIENT	Seneca Army Depot Activity	TIME/HRS	0700 – 1800

**I. XI. Narrative of Work Performed** (including problems encountered and corrective actions taken):

Excavated the E Debris Pile (SEAD-14). Removed ~400cy. Continued topsoil delivery & placement on the NCLF. Topsoil is ~ 1/2 complete on the NCLF.

**II. Verbal discussions/Instructions:**

**III. Personnel On-site**

Name	Company/Organization	Role
Dan Hoffner	Parsons	CM
Dan Sessler	Sessler	Sup't/Opr
Gary Henninger	Sessler	Opr

**IV. Equipment On-site**

Description	Model/Type	Qty
Excavator	Kobelco Mark IV, SK 300	1
Dozer	Case 850D	1
Tractor w/Brush Hog	Case 1594 Tractor w/Rhino Brush Hog	1
Dozer	Cat D6R LGP	1
Off-Road Dump Truck	Volvo	1
10 wheel dump truck	Mack	Not Used

**V. Materials: Moved, Delivered to, or Removed from the Jobsite**

Quantity Today	Material Removed/Delivered	Cumulative Quantity on Site	Source	Hauler
51 lds, 765cy	Topsoil	84 lds, 1,260cy	Junius sand pit	Dendis
Complete	Mulch	52 lds, 5,120 cy	Ricelli	Ricelli
Complete	Sand	~202 loads ; 149 tandem, 53 trlr - est 3,401 cy	Junius sand pit	Dendis
Complete	Soybean Oil	121,660lb: ~ 15,596gal	Sheppard Grain	Sheppard
Complete	Ash LF Mulch	12 lds, 720cy	Clifton Recycling	Clifton

**VI. QUANTITIES EXCAVATED**

See trench log for total quantities.

Quantity Today	Debris Pile/Biowall Designation	Cumulative Quantity for Job	Final Disposition
~100cy	NW Debris Pile	~100cy	
~100cy	SW Debris Pile	~100cy	
~400cy	E Debris Pile	~400cy	
Complete	B1/B2 (N)	135f, 633cy	NCLF cover
Complete	B1 (N) & B2 (N)	445f, 1,156cy	ALF/NCLF cover
Complete	C1/C2	1,120f, 1,936cy	NCLF cover
Complete	A1/A2	375f, 1,462cy	ALF cover
Complete	B1 (S) & B2 (S)	645f, 1,072cy	NCLF cover

**VII. QUANTITIES BACKFILLED**

Quantity Today	Debris Pile/Biowall Designation	Cumulative Quantity for Job
Complete	B1/B2 (N)	135f, 633cy
Complete	B1 (N) & B2 (N)	445f, 1,156cy
Complete	C1/C2	1,120f, 1,936cy
Complete	A1/A2	375f, 1,462cy
Complete	B1 (S) & B2 (S)	645f, 1,072cy

**VIII. Trench Depth**

See trench log.

**IX. Samples Collected :**

**Mulch Testing:**

None today.

**XII. Visitors On-site**

<u>Name</u>	<u>Company/Organization</u>	<u>Time/duration of Visit</u>
Craig Sessler	Sessler	0900-0930
_____	_____	_____
_____	_____	_____
_____	_____	_____

**XIII. Health and Safety (see Tailgate Meeting Safety Attendance Log)**

Accidents Reported Today:	0
Accidents to Date:	0
Days On-Site	30

**XIV. Photo Documentation**

Excavating the East Debris Pile.



**Daily Field Report  
Seneca PBC1**

JOB NAME	Ash Landfill Full Scale RA	DATE	Wednesday, Oct 11, 2006
CONTRACT	FA8903-04-D-8675 - AFCEE	REPORT NO.	31
PROJECT	Seneca PBC 1	WEATHER	Overcast
JOB #	744538-02100	TEMPERATURE	50°.65°
CLIENT	Seneca Army Depot Activity	TIME/HRS	0700 – 1800

**I. XI. Narrative of Work Performed** (including problems encountered and corrective actions taken):

Continued excavating the E Debris Pile (SEAD-14). Removed ~300cy, ~3/4 complete. Continued topsoil delivery & placement on the Ash LF & the NCLF. Topsoil is complete on the Ash LF & ~ 2/3 complete on the NCLF. Topsoil placed on Ash LF = 70 lds. To date 72 lds have been placed on the NCLF. Finished regrading of the Cooling Pond.

**II. Verbal discussions/Instructions:**

**III. Personnel On-site**

Name	Company/Organization	Role
Dan Hoffner	Parsons	CM
Dan Sessler	Sessler	Sup't/Opr
Gary Henninger	Sessler	Opr

**IV. Equipment On-site**

Description	Model/Type	Qty
Excavator	Kobelco Mark IV, SK 300	1
Dozer	Case 850D	1
Tractor w/Brush Hog	Case 1594 Tractor w/Rhino Brush Hog	Not Used
Dozer	Cat D6R LGP	1
Off-Road Dump Truck	Volvo	1
10 wheel dump truck	Mack	Not Used

**V. Materials: Moved, Delivered to, or Removed from the Jobsite**

Quantity Today	Material Removed/Delivered	Cumulative Quantity on Site	Source	Hauler
58 lds, 870cy	Topsoil	142 lds, 2,130cy	Junius sand pit	Dendis
Complete	Mulch	52 lds, 5,120 cy	Ricelli	Ricelli
Complete	Sand	~202 loads ; 149 tandem, 53 trlr - est 3,401 cy	Junius sand pit	Dendis
Complete	Soybean Oil	121,660lb: ~ 15,596gal	Sheppard Grain	Sheppard
Complete	Ash LF Mulch	12 lds, 720cy	Clifton Recycling	Clifton

**VI. QUANTITIES EXCAVATED**

See trench log for total quantities.

Quantity Today	Debris Pile/Biowall Designation	Cumulative Quantity for Job	Final Disposition
~100cy	NW Debris Pile	~100cy	
~100cy	SW Debris Pile	~100cy	
~300cy	E Debris Pile	~700cy	
Complete	B1/B2 (N)	135f, 633cy	NCLF cover
Complete	B1 (N) & B2 (N)	445f, 1,156cy	ALF/NCLF cover
Complete	C1/C2	1,120f, 1,936cy	NCLF cover
Complete	A1/A2	375f, 1,462cy	ALF cover
Complete	B1 (S) & B2 (S)	645f, 1,072cy	NCLF cover

**VII. QUANTITIES BACKFILLED**

Quantity Today	Debris Pile/Biowall Designation	Cumulative Quantity for Job
Complete	B1/B2 (N)	135f, 633cy
Complete	B1 (N) & B2 (N)	445f, 1,156cy
Complete	C1/C2	1,120f, 1,936cy
Complete	A1/A2	375f, 1,462cy
Complete	B1 (S) & B2 (S)	645f, 1,072cy

**VIII. Trench Depth**

See trench log.

**IX. Samples Collected :**

**Mulch Testing:**

None today.

**XII. Visitors On-site**

<u>Name</u>	<u>Company/Organization</u>	<u>Time/duration of Visit</u>
Steve Absolom	SEDA	1530-1600
_____	_____	_____
_____	_____	_____
_____	_____	_____

**XIII. Health and Safety (see Tailgate Meeting Safety Attendance Log)**

Accidents Reported Today:	0
Accidents to Date:	0
Days On-Site	31

**XIV. Photo Documentation**

Cooling pond - regraded, berms removed.



**Daily Field Report  
Seneca PBC1**

JOB NAME	Ash Landfill Full Scale RA	DATE	Thursday, Oct 12, 2006
CONTRACT	FA8903-04-D-8675 - AFCEE	REPORT NO.	32
PROJECT	Seneca PBC 1	WEATHER	Overcast/some sun
JOB #	744538-02100	TEMPERATURE	50°.55°
CLIENT	Seneca Army Depot Activity	TIME/HRS	0700 – 1900

**I. XI. Narrative of Work Performed** (including problems encountered and corrective actions taken):

Continued excavating the E Debris Pile (SEAD-14). Removed ~250cy, nearly complete. Continued topsoil delivery & placement on the NCLF. Topsoil is complete on the Ash Landfill. Topsoil placed on Ash LF = 70 lds. Topsoil placed on NCLF = 128 lds.

**II. Verbal discussions/Instructions:**

Walk thru w/Steve Absolom, discussed the following: final grading of the East Debris Pile (shape from excess in middle to the edges, almost bowl-like); installing silt fence along NCLF roadway & C1/C2 ditch; raking areas & seeding between B & A trenches. Discussed w/Dan Sessler general site cleanup including road sweeping.

**III. Personnel On-site**

Name	Company/Organization	Role
Dan Hoffner	Parsons	CM
Dan Sessler	Sessler	Sup't/Opr
Gary Henninger	Sessler	Opr

**IV. Equipment On-site**

Description	Model/Type	Qty
Excavator	Kobelco Mark IV, SK 300	1
Dozer	Case 850D	1
Tractor w/Brush Hog	Case 1594 Tractor w/Rhino Brush Hog	Not Used
Dozer	Cat D6R LGP	1
Off-Road Dump Truck	Volvo	1
10 wheel dump truck	Mack	Not Used

**V. Materials: Moved, Delivered to, or Removed from the Jobsite**

Quantity Today	Material Removed/Delivered	Cumulative Quantity on Site	Source	Hauler
56 lds, 840cy	Topsoil	198 lds, 2,970cy	Junius sand pit	Dendis
Complete	Mulch	52 lds, 5,120 cy	Ricelli	Ricelli
Complete	Sand	~202 loads ; 149 tandem, 53 trlr - est 3,401 cy	Junius sand pit	Dendis
Complete	Soybean Oil	121,660lb: ~ 15,596gal	Sheppard Grain	Sheppard
Complete	Ash LF Mulch	12 lds, 720cy	Clifton Recycling	Clifton

**VI. QUANTITIES EXCAVATED**

See trench log for total quantities.

Quantity Today	Debris Pile/Biowall Designation	Cumulative Quantity for Job	Final Disposition
~100cy	NW Debris Pile	~100cy	
~100cy	SW Debris Pile	~100cy	
~250cy	E Debris Pile	~950cy	
Complete	B1/B2 (N)	135f, 633cy	NCLF cover
Complete	B1 (N) & B2 (N)	445f, 1,156cy	ALF/NCLF cover
Complete	C1/C2	1,120f, 1,936cy	NCLF cover
Complete	A1/A2	375f, 1,462cy	ALF cover
Complete	B1 (S) & B2 (S)	645f, 1,072cy	NCLF cover

**VII. QUANTITIES BACKFILLED**

Quantity Today	Debris Pile/Biowall Designation	Cumulative Quantity for Job
Complete	B1/B2 (N)	135f, 633cy
Complete	B1 (N) & B2 (N)	445f, 1,156cy
Complete	C1/C2	1,120f, 1,936cy
Complete	A1/A2	375f, 1,462cy
Complete	B1 (S) & B2 (S)	645f, 1,072cy

**VIII. Trench Depth**

See trench log.

**IX. Samples Collected :**

**Mulch Testing:**

None today.

**XII. Visitors On-site**

<u>Name</u>	<u>Company/Organization</u>	<u>Time/duration of Visit</u>
Craig Sessler	Sessler	0830-0900
Joe Dendis	Dendis	0830-0900
Steve Absolom	SEDA	1500-1530

**XIII. Health and Safety (see Tailgate Meeting Safety Attendance Log)**

Accidents Reported Today:	0
Accidents to Date:	0
Days On-Site	32

**XIV. Photo Documentation**

Excavating East Debris Pile.





**Daily Field Report  
Seneca PBC1**

JOB NAME	Ash Landfill Full Scale RA	DATE	Friday, Oct 13, 2006
CONTRACT	FA8903-04-D-8675 - AFCEE	REPORT NO.	33
PROJECT	Seneca PBC 1	WEATHER	Sunny
JOB #	744538-02100	TEMPERATURE	35°-50°
CLIENT	Seneca Army Depot Activity	TIME/HRS	0700 – 1730

**I. XI. Narrative of Work Performed** (including problems encountered and corrective actions taken):

Finished East Debris Pile excavation (SEAD-14). Removed ~ 250cy. Finished placing topsoil on the NCLF. Installed silt fence along the north (road side) of the NCLF. Installed silt fence at the ditch west of the C trenches. Smoothed the areas between the B & C trenches (areas used for mixing). Seeded the Ash LF & NCLF and all affected areas (~9 acres total). General cleanup.

**II. Verbal discussions/Instructions:**

Discussed tree chipping around the NCLF w/Craig Sessler - made arrangements to start next week.

**III. Personnel On-site**

Name	Company/Organization	Role
Dan Hoffner	Parsons	CM
Dan Sessler	Sessler	Sup't/Opr
Gary Henninger	Sessler	Opr
Todd Worden	Sessler	Lab/Opr
Mark Andrews	Sessler	Lab/Opr

**IV. Equipment On-site**

Description	Model/Type	Qty
Excavator	Kobelco Mark IV, SK 300	1
Dozer	Case 850D	1
Skidsteer w/bucket & sweeper	Bobcat	1
Tractor w/Disk	Case 1594 Tractor w/Finishing Disk	1
Dozer	Cat D6R LGP	1
Off-Road Dump Truck	Volvo	1
10 wheel dump truck	Mack	Demob today

**V. Materials: Moved, Delivered to, or Removed from the Jobsite**

Quantity Today	Material Removed/Delivered	Cumulative Quantity on Site	Source	Hauler
6 lds, 90cy	Topsoil	204 lds, 3,060cy	Junius sand pit	Dendis
Complete	Mulch	52 lds, 5,120 cy	Ricelli	Ricelli
Complete	Sand	~202 loads ; 149 tandem, 53 trlr - est 3,401 cy	Junius sand pit	Dendis
Complete	Soybean Oil	121,660lb: ~ 15,596gal	Sheppard Grain	Sheppard
Complete	Ash LF Mulch	12 lds, 720cy	Clifton Recycling	Clifton

**VI. QUANTITIES EXCAVATED**

See trench log for total quantities.

Quantity Today	Debris Pile/Biowall Designation	Cumulative Quantity for Job	Final Disposition
~100cy	NW Debris Pile	~100cy	
~100cy	SW Debris Pile	~100cy	
~250cy	E Debris Pile	~1,200cy	
Complete	B1/B2 (N)	135f, 633cy	NCLF cover
Complete	B1 (N) & B2 (N)	445f, 1,156cy	ALF/NCLF cover
Complete	C1/C2	1,120f, 1,936cy	NCLF cover
Complete	A1/A2	375f, 1,462cy	ALF cover
Complete	B1 (S) & B2 (S)	645f, 1,072cy	NCLF cover

**VII. QUANTITIES BACKFILLED**

Quantity Today	Debris Pile/Biowall Designation	Cumulative Quantity for Job
Complete	B1/B2 (N)	135f, 633cy
Complete	B1 (N) & B2 (N)	445f, 1,156cy
Complete	C1/C2	1,120f, 1,936cy
Complete	A1/A2	375f, 1,462cy
Complete	B1 (S) & B2 (S)	645f, 1,072cy

**VIII. Trench Depth**

See trench log.

**IX. Samples Collected :**

**Mulch Testing:**  
None today.

**XII. Visitors On-site**

<u>Name</u>	<u>Company/Organization</u>	<u>Time/duration of Visit</u>
Craig Sessler	Sessler	0830-0900
_____	_____	_____
_____	_____	_____
_____	_____	_____

**XIII. Health and Safety (see Tailgate Meeting Safety Attendance Log)**

Accidents Reported Today:	0
Accidents to Date:	0
Days On-Site	33

**XIV. Photo Documentation**

Final grading - East Debris Pile.



Seeding the disturbed areas.



**Daily Field Report  
Seneca PBC1**

JOB NAME	Ash Landfill Full Scale RA	DATE	Monday, Oct 16, 2006
CONTRACT	FA8903-04-D-8675 - AFCEE	REPORT NO.	34
PROJECT	Seneca PBC 1	WEATHER	Sunny
JOB #	744538-02100	TEMPERATURE	35°-50°
CLIENT	Seneca Army Depot Activity	TIME/HRS	0700 – 1600

**I. XI. Narrative of Work Performed** (including problems encountered and corrective actions taken):

Consolidated the felled trees along the perimeter of the NCLF for grinding.

**II. Verbal discussions/Instructions:**

Prepared Waste Profile for the Debris Pile material (signed by Steve Absolom). Gave profile to Sessler to obtain approval at Seneca Meadows landfill (as a non-hazardous waste).

**III. Personnel On-site**

<u>Name</u>	<u>Company/Organization</u>	<u>Role</u>
Dan Hoffner	Parsons	CM
Dan Sessler	Sessler	Sup't/Opr

**IV. Equipment On-site**

<u>Description</u>	<u>Model/Type</u>	<u>Qty</u>
Excavator	Kobelco Mark IV, SK 300	Not Used
Dozer	Case 850D	Not Used
Tractor	Case 1594 Tractor	Not Used
Dozer	Cat D6R LGP	1
Off-Road Dump Truck	Volvo	Not Used

**XII. Visitors On-site**

<u>Name</u>	<u>Company/Organization</u>	<u>Time/duration of Visit</u>

**XIII. Health and Safety** (see Tailgate Meeting Safety Attendance Log)

Accidents Reported Today:	0
Accidents to Date:	0
Days On-Site	34

**XIV. Photo Documentation**

No photos today.

**Daily Field Report  
Seneca PBC1**

JOB NAME	Ash Landfill Full Scale RA	DATE	Tuesday, Oct 17, 2006
CONTRACT	FA8903-04-D-8675 - AFCEE	REPORT NO.	35
PROJECT	Seneca PBC 1	WEATHER	Rain
JOB #	744538-02100	TEMPERATURE	40°-45°
CLIENT	Seneca Army Depot Activity	TIME/HRS	0700 – 1700

**I. XI. Narrative of Work Performed** (including problems encountered and corrective actions taken):

Grinding the felled trees along the perimeter of the NCLF. Mobilized a Morbark Model 4600

**II. Verbal discussions/Instructions:**

**III. Personnel On-site**

<u>Name</u>	<u>Company/Organization</u>	<u>Role</u>
Dan Hoffner	Parsons	CM
Dan Sessler	Sessler	Sup't/Opr
Gary Henninger	Sessler	Opr

**IV. Equipment On-site**

<u>Description</u>	<u>Model/Type</u>	<u>Qty</u>
Excavator	Kobelco Mark IV, SK 300	Not Used
Dozer	Case 850D	Not Used
Tree Grinder	Morbark Model 4600	1
Tractor	Case 1594 Tractor	Not Used
Dozer	Cat D6R LGP	1
Off-Road Dump Truck	Volvo	Demob Today
Excavator w/shear	Komatsu PC400	1

**XII. Visitors On-site**

<u>Name</u>	<u>Company/Organization</u>	<u>Time/duration of Visit</u>
Craig Sessler	Sessler	1500-1800
Vern Sessler	Sessler	1630-1800

**Daily Field Report  
Seneca PBC1**

**XIII. Health and Safety (see Tailgate Meeting Safety Attendance Log)**

Accidents Reported Today:	0
Accidents to Date:	0
Days On-Site	35

**XIV. Photo Documentation**

Tree grinding at the Non-Combustible Landfill.



**Daily Field Report  
Seneca PBC1**

JOB NAME	Ash Landfill Full Scale RA	DATE	Wednesday, Oct 18, 2006
CONTRACT	FA8903-04-D-8675 - AFCEE	REPORT NO.	36
PROJECT	Seneca PBC 1	WEATHER	Overcast
JOB #	744538-02100	TEMPERATURE	50°-60°
CLIENT	Seneca Army Depot Activity	TIME/HRS	0700 – 1700

**I. XI. Narrative of Work Performed** (including problems encountered and corrective actions taken):

Grinding the felled trees along the perimeter of the NCLF. Finished all tree grinding, spread mulch around the base of the NCLF perimeter. Project is complete with the exception of loading out the Debris Pile material. Begin demobilization of equipment - D6 dozer & excavator w/shear.

**II. Verbal discussions/Instructions:**

Per Craig Sessler, hvave received approval of the Debris Pile material at Seneca Meadows Landfill.

**III. Personnel On-site**

<u>Name</u>	<u>Company/Organization</u>	<u>Role</u>
Dan Hoffner	Parsons	CM
Dan Sessler	Sessler	Sup't/Opr
Gary Henninger	Sessler	Opr

**IV. Equipment On-site**

<u>Description</u>	<u>Model/Type</u>	<u>Qty</u>
Excavator w/grapple	Kobelco Mark IV, SK 300	1
Dozer	Case 850D	Not Used
Tree Grinder	Morbark Model 4600	1
Tractor	Case 1594 Tractor	Not Used
Dozer	Cat D6R LGP	1
Excavator w/shear	Komatsu PC400	1

**XII. Visitors On-site**

<u>Name</u>	<u>Company/Organization</u>	<u>Time/duration of Visit</u>
Craig Sessler	Sessler	0830-0930
Steve Absolom	SEDA	0900-0930
~ 8 people	Base Closure Team	0900-0930

**Daily Field Report  
Seneca PBC1**

**XIII. Health and Safety (see Tailgate Meeting Safety Attendance Log)**

Accidents Reported Today:	0
Accidents to Date:	0
Days On-Site	36

**XIV. Photo Documentation**

No photos today.

**Daily Field Report  
Seneca PBC1**

JOB NAME	Ash Landfill Full Scale RA	DATE	Tuesday, Oct 24, 2006
CONTRACT	FA8903-04-D-8675 - AFCEE	REPORT NO.	37
PROJECT	Seneca PBC 1	WEATHER	Overcast
JOB #	744538-02100	TEMPERATURE	35°-45°
CLIENT	Seneca Army Depot Activity	TIME/HRS	0700 – 1530

**I. XI. Narrative of Work Performed** (including problems encountered and corrective actions taken):

Load, transport & dispose of Debris Pile material. Shipped 14 loads.

**II. Verbal discussions/Instructions:**

**III. Personnel On-site**

<u>Name</u>	<u>Company/Organization</u>	<u>Role</u>
Ron Prohaska	Parsons	CM
Dan Sessler	Sessler	Sup't/Opr

**IV. Equipment On-site**

<u>Description</u>	<u>Model/Type</u>	<u>Qty</u>
Excavator w/bucket	Kobelco Mark IV, SK 300	1
Dozer	Case 850D	Not Used

**V. Materials: Moved, Delivered to, or Removed from the Jobsite**

<u>Quantity Today</u>	<u>Material Removed/Delivered</u>	<u>Cumulative Quantity on Site</u>	<u>Source</u>	<u>Hauler</u>
14lds, ~420 tons	Debris Piles	14lds, ~420 tons	to Seneca Meadows	Wecare



**Daily Field Report  
Seneca PBC1**

**VI. QUANTITIES EXCAVATED**

See trench log for total quantities.

Quantity Today	Debris Pile/Biowall Designation		Cumulative Quantity for Job	Final Disposition
Complete	NW Debris Pile		~100cy	Seneca Meadows
Complete	SW Debris Pile		~100cy	Seneca Meadows
Complete	E Debris Pile		~1,200cy	Seneca Meadows

**XII. Visitors On-site**

<u>Name</u>	<u>Company/Organization</u>	<u>Time/duration of Visit</u>
Chris Shaffer	Sessler	0700-0800

**XIII. Health and Safety (see Tailgate Meeting Safety Attendance Log)**

<b>Accidents Reported Today:</b>	<b>0</b>
<b>Accidents to Date:</b>	<b>0</b>
<b>Days On-Site</b>	<b>37</b>

**XIV. Photo Documentation**

No photos today.

**Daily Field Report  
Seneca PBC1**

JOB NAME	Ash Landfill Full Scale RA	DATE	Wednesday, Oct 25, 2006
CONTRACT	FA8903-04-D-8675 - AFCEE	REPORT NO.	38
PROJECT	Seneca PBC 1	WEATHER	Overcast
JOB #	744538-02100	TEMPERATURE	35°-45°
CLIENT	Seneca Army Depot Activity	TIME/HRS	0700 – 1530

**I. XI. Narrative of Work Performed** (including problems encountered and corrective actions taken):

Load, transport & dispose of Debris Pile material. Shipped 13 loads.

**II. Verbal discussions/Instructions:**

**III. Personnel On-site**

<u>Name</u>	<u>Company/Organization</u>	<u>Role</u>
Ron Prohaska	Parsons	CM
Dan Sessler	Sessler	Sup't/Opr

**IV. Equipment On-site**

<u>Description</u>	<u>Model/Type</u>	<u>Qty</u>
Excavator w/bucket	Kobelco Mark IV, SK 300	1
Dozer	Case 850D	Not Used

**V. Materials: Moved, Delivered to, or Removed from the Jobsite**

<u>Quantity Today</u>	<u>Material Removed/Delivered</u>	<u>Cumulative Quantity on Site</u>	<u>Source</u>	<u>Hauler</u>
13lds, ~390 tons	Debris Piles	27lds, ~810 tons	to Seneca Meadows	Wecare

**Daily Field Report  
Seneca PBC1**

**VI. QUANTITIES EXCAVATED**

See trench log for total quantities.

Quantity Today	Debris Pile/Biowall Designation		Cumulative Quantity for Job	Final Disposition
Complete	NW Debris Pile		~100cy	Seneca Meadows
Complete	SW Debris Pile		~100cy	Seneca Meadows
Complete	E Debris Pile		~1,200cy	Seneca Meadows

**XII. Visitors On-site**

<u>Name</u>	<u>Company/Organization</u>	<u>Time/duration of Visit</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

**XIII. Health and Safety (see Tailgate Meeting Safety Attendance Log)**

<b>Accidents Reported Today:</b>	<b>0</b>
<b>Accidents to Date:</b>	<b>0</b>
<b>Days On-Site</b>	<b>38</b>

**XIV. Photo Documentation**

No photos today.

**Daily Field Report  
Seneca PBC1**

JOB NAME	Ash Landfill Full Scale RA	DATE	Thursday, Oct 26, 2006
CONTRACT	FA8903-04-D-8675 - AFCEE	REPORT NO.	39
PROJECT	Seneca PBC 1	WEATHER	Overcast
JOB #	744538-02100	TEMPERATURE	30°-45°
CLIENT	Seneca Army Depot Activity	TIME/HRS	0700 – 1530

**I. XI. Narrative of Work Performed** (including problems encountered and corrective actions taken):

Load, transport & dispose of Debris Pile material. Shipped 12 loads.

**II. Verbal discussions/Instructions:**

**III. Personnel On-site**

<u>Name</u>	<u>Company/Organization</u>	<u>Role</u>
Ron Prohaska	Parsons	CM
Dan Sessler	Sessler	Sup't/Opr

**IV. Equipment On-site**

<u>Description</u>	<u>Model/Type</u>	<u>Qty</u>
Excavator w/bucket	Kobelco Mark IV, SK 300	1
Dozer	Case 850D	Not Used

**V. Materials: Moved, Delivered to, or Removed from the Jobsite**

<u>Quantity Today</u>	<u>Material Removed/Delivered</u>	<u>Cumulative Quantity on Site</u>	<u>Source</u>	<u>Hauler</u>
12lds, ~360 tons	Debris Piles	39lds, ~1,700 tons	to Seneca Meadows	Wecare

**Daily Field Report  
Seneca PBC1**

**VI. QUANTITIES EXCAVATED**

See trench log for total quantities.

Quantity Today	Debris Pile/Biowall Designation		Cumulative Quantity for Job	Final Disposition
Complete	NW Debris Pile		~100cy	Seneca Meadows
Complete	SW Debris Pile		~100cy	Seneca Meadows
Complete	E Debris Pile		~1,000cy	Seneca Meadows

**XII. Visitors On-site**

<u>Name</u>	<u>Company/Organization</u>	<u>Time/duration of Visit</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

**XIII. Health and Safety (see Tailgate Meeting Safety Attendance Log)**

Accidents Reported Today:	0
Accidents to Date:	0
Days On-Site	39

**XIV. Photo Documentation**

No photos today.

**Daily Field Report  
Seneca PBC1**

JOB NAME	Ash Landfill Full Scale RA	DATE	Friday, Oct 27, 2006
CONTRACT	FA8903-04-D-8675 - AFCEE	REPORT NO.	40
PROJECT	Seneca PBC 1	WEATHER	Overcast
JOB #	744538-02100	TEMPERATURE	35°-45°
CLIENT	Seneca Army Depot Activity	TIME/HRS	0700 – 1530

**I. XI. Narrative of Work Performed** (including problems encountered and corrective actions taken):

Load, transport & dispose of Debris Pile material. Shipped 3 loads. All Debris Pile material is completely removed and disposed of off-site. Final cleanup including sweeping of Smith Farm Road. Project is complete with the exception of monitoring well installation.

**II. Verbal discussions/Instructions:**

**III. Personnel On-site**

<u>Name</u>	<u>Company/Organization</u>	<u>Role</u>
Ron Prohaska	Parsons	CM
Dan Sessler	Sessler	Sup't/Opr

**IV. Equipment On-site**

<u>Description</u>	<u>Model/Type</u>	<u>Qty</u>
Excavator w/bucket	Kobelco Mark IV, SK 300	1
Dozer	Case 850D	Not Used

**V. Materials: Moved, Delivered to, or Removed from the Jobsite**

<u>Quantity Today</u>	<u>Material Removed/Delivered</u>	<u>Cumulative Quantity on Site</u>	<u>Source</u>	<u>Hauler</u>
3lds, ~90 tons	Debris Piles	42lds, ~1,260 tons	to Seneca Meadows	Wecare

**Daily Field Report  
Seneca PBC1**

**VI. QUANTITIES EXCAVATED**

See trench log for total quantities.

Quantity Today	Debris Pile/Biowall Designation		Cumulative Quantity for Job	Final Disposition
Complete	NW Debris Pile		~100cy	Seneca Meadows
Complete	SW Debris Pile		~100cy	Seneca Meadows
Complete	E Debris Pile		~1,000cy	Seneca Meadows

**XII. Visitors On-site**

<u>Name</u>	<u>Company/Organization</u>	<u>Time/duration of Visit</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

**XIII. Health and Safety (see Tailgate Meeting Safety Attendance Log)**

<b>Accidents Reported Today:</b>	<b>0</b>
<b>Accidents to Date:</b>	<b>0</b>
<b>Days On-Site</b>	<b>40</b>

**XIV. Photo Documentation**

No photos today.

**ORIGINAL MULCH MIX RATIO DATA**

Mulch	2,800	cy
Sand	<u>2,000</u>	cy
Total Mat'ls	4,800	cy
Mixture	4,100	cy

Mulch Delivered	5,120	cy
Less Waste from Mixing	420	cy
Mulch in Trenchs	4,700	cy

Sand Delivered	3,401	cy
Less Waste from Mixing	230	cy
Sand in Trenchs	3,171	cy

Trench size from notes	6,259	cy
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## **Appendix D**

### **As-Built Record Tables & Drawings**

Table D-1 Trench Excavation Measurements

Figure D-1 Soil Remediation: As Built Drawing

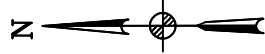
Figure D-2 Groundwater Remediation: Biowalls As-Built Drawing

Figure D-3 Trench Details Width Profile

Figure D-4 Trench Details Depth Profile

**TABLE D-1**  
**Trench Excavation Measurements**

Trench	Station	Width @ top	Depth	Trench	Station	Width @ top	Depth	Trench	Station	Width @ top	Depth	Trench	Station	Width @ top	Depth	Trench	Station	Width @ top	Depth
C2	0-25	5.0	7.0	C1	0-25	4.5	7.0												
	<b>N to S</b>			<b>N to S</b>				<b>S to N</b>	(north of pilot wall)			<b>S to N</b>	(north of pilot wall)			<b>N to S</b>			
C2	0+0	3.0	8.8	C1	0+0	4.5	8.5	B1	0+0	5.0	8.2	B2	0+0	6.0	9.0	A1/A2	0+0	8.5	12.5
C2	0+10	6.0		C1	0+10	4.5		B1	0+10	5.0		B2	0+10	8.0		A1/A2	0+25	11.0	13.0
C2	0+20	7.0		C1	0+20	4.5		B1	0+20	5.0		B2	0+20	12.0		A1/A2	0+50	12.0	13.5
C2	0+30	9.0		C1	0+30	5.0		B1	0+30	5.0		B2	0+30	12.0		A1/A2	0+75	15.5	16.0
C2	0+40	8.0		C1	0+40	5.0		B1	0+40	6.0		B2	0+40	12.0		A1/A2	0+100	17.5	18.0
C2	0+50	8.0	10.0	C1	0+50	4.5	10.0	B1	0+50	9.0	10.0	B2	0+50	12.0	10.5	A1/A2	0+125	15.0	15.0
C2	0+60	6.0		C1	0+60	5.0		B1	0+60	9.0		B2	0+60	11.0		A1/A2	0+150	16.0	14.0
C2	0+70	7.5		C1	0+70	4.5		B1	0+70	9.0		B2	0+70	11.0		A1/A2	0+175	12.0	12.0
C2	0+80	6.0		C1	0+80	4.5		B1	0+80	9.0		B2	0+80	11.0		A1/A2	0+200	13.0	12.0
C2	0+90	5.0		C1	0+90	5.0		B1	0+90	9.0		B2	0+90	11.0		A1/A2	0+225	10.0	11.0
C2	0+100	8.0	11.0	C1	0+100	5.0	10.67	B1	0+100	9.0	10.00	B2	0+100	10.0	12.00	A1/A2	0+250	9.0	11.5
C2	0+110	7.0		C1	0+110	4.5		B1	0+110	8.0		B2	0+110	10.0		A1/A2	0+275	10.0	12.5
C2	0+120	7.0		C1	0+120	4.5		B1	0+120	8.0		B2	0+120	10.0		A1/A2	0+300	9.0	13.0
C2	0+130	8.0		C1	0+130	5.0		B1	0+130	8.0		B2	0+130	10.0		A1/A2	0+325	9.0	13.0
C2	0+140	7.0		C1	0+140	4.5		B1	0+140	8.0		B2	0+140	10.0		A1/A2	0+350	10.0	13.5
C2	0+150	5.0	11.0	C1	0+150	4.5	11.0	B1	0+150	8.0	10.5	B2	0+150	9.0	11.5	A1/A2	0+375	9.0	10.0
C2	0+160	7.0		C1	0+160	5.0		B1	0+160	8.0		B2	0+160	9.0		Avg.		11.7	13.2
C2	0+170	8.0		C1	0+170	6.0		B1	0+170	9.0		B2	0+170	9.0					
C2	0+180	6.0		C1	0+180	6.0		B1	0+180	9.0		B2	0+180	9.0		A1/A2 - all bottom widths = minimum 6.0 ft (single trench)			
C2	0+190	7.0		C1	0+190	5.0		B1	0+190	9.0		B2	0+190	9.0					
C2	0+200	4.5	10.0	C1	0+200	4.5	10.5	B1	0+200	9.0	11.5	B2	0+200	5.0	11.5				
C2	0+210	4.5		C1	0+210	4.5		B1	0+210	9.0		B2	0+210	5.0					
C2	0+220	4.5		C1	0+220	4.5		B1	0+220	9.0		B2	0+220	5.0					
C2	0+230	4.5		C1	0+230	4.5		B1/B2	0+230	10.0		B2	0+225	5.0	11.5				
C2	0+240	5.0		C1	0+240	4.5		B1/B2	0+240	10.0		Avg.		9.2	11.0				
C2	0+250	5.0	10.0	C1	0+250	4.5	10.0	B1/B2	0+250	10.0	16.0								
C2	0+260	4.5		C1	0+260	4.5		B1/B2	0+260	10.0									
C2	0+270	5.0		C1	0+270	4.5		B1/B2	0+270	10.0									
C2	0+280	4.5		C1	0+280	4.5		B1/B2	0+280	10.0									
C2	0+290	5.0		C1	0+290	4.5		B1/B2	0+290	10.0									
C2	0+300	5.0	10.0	C1	0+300	5.0	10.0	B1/B2	0+300	10.0	18.5								
C2	0+310	5.5		C1	0+310	5.0		B1/B2	0+310	10.0									
C2	0+320	6.0		C1	0+320	5.0		B1/B2	0+320	10.0									
C2	0+330	8.0		C1	0+330	5.0		B1/B2	0+330	10.0									
C2	0+340	5.0		C1	0+340	5.0		B1/B2	0+340	10.0									
C2	0+350	5.0	8.5	C1	0+350	7.0	9.0	B1/B2	0+355	10.0	13.0								
C2	0+360	6.0		C1	0+360	7.0		<b>S to N</b>	(south of pilot wall)			<b>S to N</b>	(south of pilot wall)						
C2	0+370	5.0		C1	0+370	7.0		B1	0+0	4.5	8.5	B2	0+0	4.5	8.0				
C2	0+380	6.0		C1	0+380	6.0		B1	0+25	4.5	9.0	B2	0+25	4.5	8.0				
C2	0+390	6.0		C1	0+390	5.0		B1	0+50	4.5	10.0	B2	0+50	4.5	9.0				
C2	0+400	7.0	11.5	C1	0+400	4.5	11.0	B1	0+75	4.5	10.0	B2	0+75	4.5	10.0				
C2	0+410	8.0		C1	0+410	5.0		B1	0+100	4.5	10.0	B2	0+100	4.5	11.0				
C2	0+420	8.0		C1	0+420	4.5		B1	0+125	4.5	10.5	B2	0+125	4.5	11.0				
C2	0+430	6.0		C1	0+430	4.5		B1	0+150	4.5	10.0	B2	0+150	5.0	10.5				
C2	0+440	5.0		C1	0+440	5.0		B1	0+175	5.0	10.0	B2	0+175	4.5	10.0				
C2	0+450	6.0	10.0	C1	0+450	5.0	10.0	B1	0+200	5.0	11.0	B2	0+200	5.0	10.0				
C2	0+460	6.0		C1	0+460	5.0		B1	0+225	5.0	9.0	B2	0+225	6.0	10.0				
C2	0+470	7.0		C1	0+470	4.5		B1	0+250	6.0	9.5	B2	0+250	6.0	10.0				
C2	0+480	5.5		C1	0+480	5.0		B1	0+275	6.0	10.0	B2	0+275	6.0	10.0				
C2	0+490	5.0		C1	0+490	6.5		B1	0+300	8.0	10.0	B2	0+300	10.0	10.0				
C2	0+500	6.0	10.0	C1	0+500	7.0	10.0	B1	0+330	8.0	10.0	B2	0+315	10.0	10.0				
C2	0+510	8.0		C1	0+510	5.5		Avg.		5.3	9.8	Avg.		5.7	9.8				
C2	0+520	8.0		C1	0+520	5.0													
C2	0+535	5.0	10.0	C1	0+535	4.5	10.0												
								B1/B2	135										
Avg.		6.1	9.83	Avg.		5.0	9.82	B1 north	220										
								B1south	330										
<b>Length</b>	<b>560</b>	<b>If</b>		<b>Length</b>	<b>560</b>	<b>If</b>		<b>Length</b>	<b>685</b>	<b>If</b>		<b>Length</b>	<b>540</b>	<b>If</b>		<b>Length</b>	<b>375</b>	<b>If</b>	
C2 - all bottom widths = minimum 3.0 ft due to use of 3 -ft excavation bucket				C1 - all bottom widths = minimum 3.0 ft due to use of 3 -ft excavation bucket				B1 - all bottom widths = minimum 4.0 ft (3-foot wide bucket plus 6-inch clearance on each side)											
								B1/B2 - all bottom widths = minimum 6.0 ft (single trench) due to use of 3 -ft excavation bucket											



**LEGEND:**

- PAVED ROAD
- DIRT ROAD
- GROUND CONTOUR AND ELEVATION
- TREE
- WETLAND & DESIGNATION
- BRUSH
- CHAIN LINK FENCE
- UTILITY POLE
- APPROXIMATE LOCATION OF FIRE HYDRANT
- FUEL OR UNDERGROUND STORAGE TANK
- SURVEY MONUMENT
- MONITORING WELL AND DESIGNATION
- ABANDONED MONITORING WELL
- RAILROAD TRACKS
- WATER MAIN
- DEBRIS PILE LIMITS OF EXCAVATION
- POST CONSTRUCTION AS BUILT GROUND ELEVATION CONTOUR
- LIMITS OF 12-INCH VEGETATIVE COVER
- PILOT STUDY BIOWALL (2005)
- SINGLE BIOWALL (2006)
- DOUBLE-WIDE BIOWALL (2006)
- ZERO VALENT IRON WALL (1998)



**PARSONS**



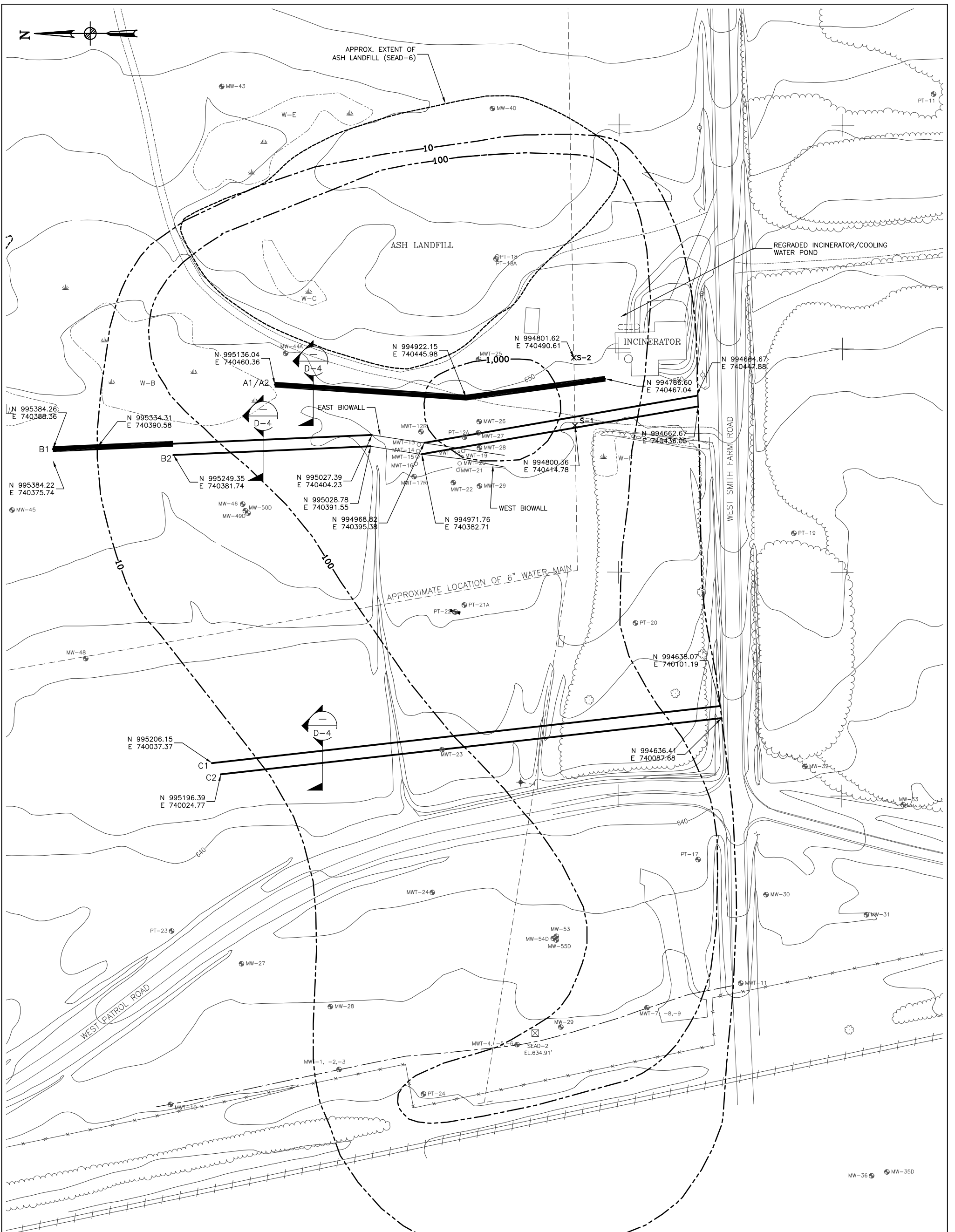
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**SENECA ARMY DEPOT  
 ASH LANDFILL  
 COMPLETION REPORT**

DEPT. ENVIRONMENTAL ENGINEERING Dwg. No. 744538-01400

D-1  
 SOIL REMEDIATION:  
 AS BUILT DRAWING

SCALE 1" = 200' DATE JANUARY 2007 REV 0

P:\PFA Projects\Seneca FBC\Remedial Design\Ash Landfill\Draft Design\Cad\As Built\D-1.dwg



**NOTES:**  
 1. TOTAL CHLORINATED ETHENES ISOCONTOURS ARE BASED ON SAMPLES COLLECTED IN JANUARY 2003.

**LEGEND:**

- |  |                                 |  |                                      |  |                                    |
|--|---------------------------------|--|--------------------------------------|--|------------------------------------|
|  | PAVED ROAD                      |  | BRUSH                                |  | APPROXIMATE LOCATION OF WATER MAIN |
|  | DIRT ROAD                       |  | CHAIN LINK FENCE                     |  | PILOT STUDY WALL (2005)            |
|  | GROUND CONTOUR AND ELEVATION    |  | UTILITY POLE                         |  | SINGLE BIOWALL (2006)              |
|  | TREE                            |  | APPROXIMATE LOCATION OF FIRE HYDRANT |  | DOUBLE-WIDE BIOWALL (2006)         |
|  | WETLAND & DESIGNATION           |  | FUEL OR UNDERGROUND STORAGE TANK     |  | ZERO VALENT IRON WALL (1998)       |
|  | MONITORING WELL AND DESIGNATION |  | SURVEY MONUMENT                      |  | GROUNDWATER ISOCONTOUR (UG/L)      |
|  | RAILROAD TRACKS                 |  | ABANDONED MONITORING WELL            |  | SURVEY POINT OF EXISTING WATERLINE |



**PARSONS**



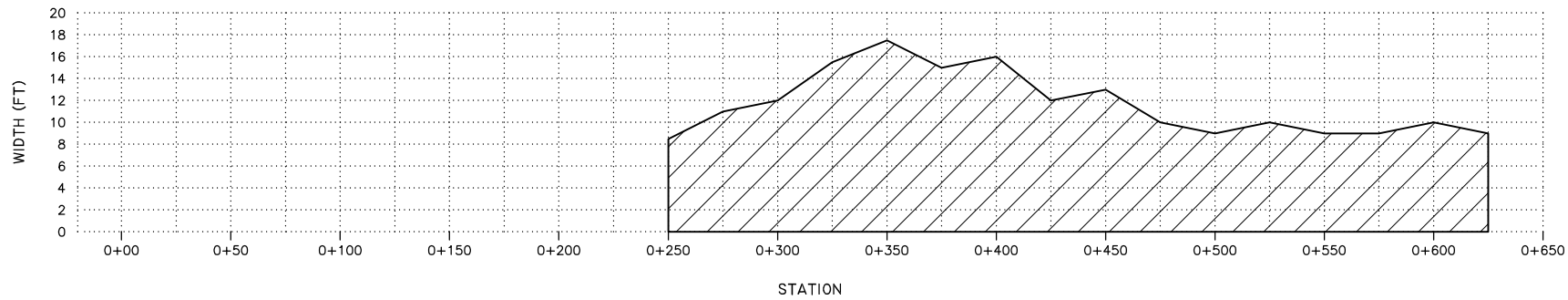
CLIENT/PROJECT TITLE  
**SENECA ARMY DEPOT  
 ASH LANDFILL  
 COMPLETION REPORT**

DEPT. ENVIRONMENTAL ENGINEERING Dwg. No. 744538-01400

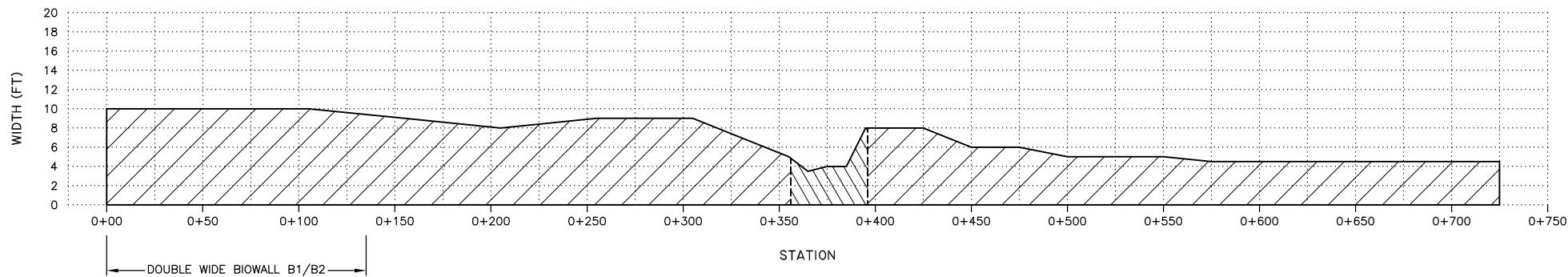
**D-2  
 GROUNDWATER REMEDIATION:  
 BIOWALLS AS BUILT**

SCALE 1" = 100' DATE APRIL 2007 REV 1

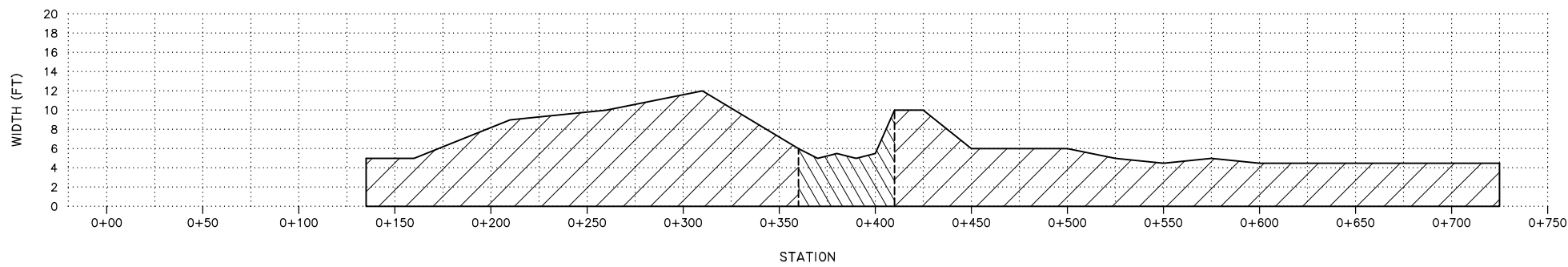




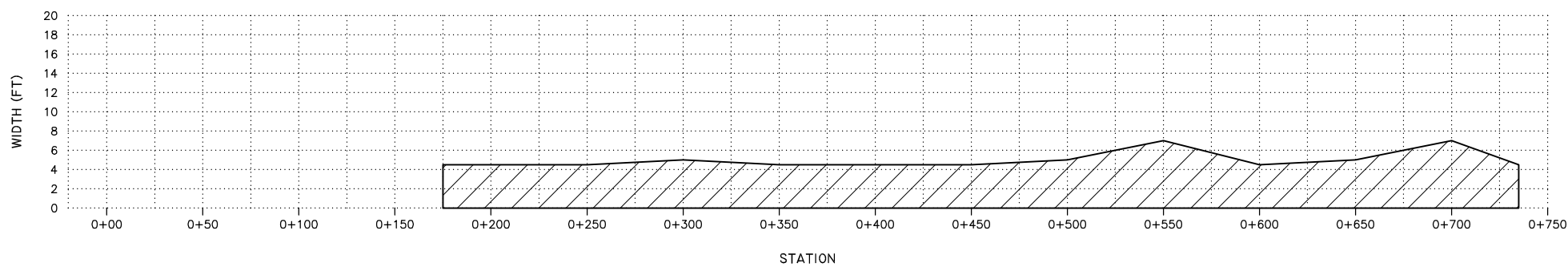
**A1/A2 WIDTH PROFILE (DOUBLE WIDE BIOWALL)**



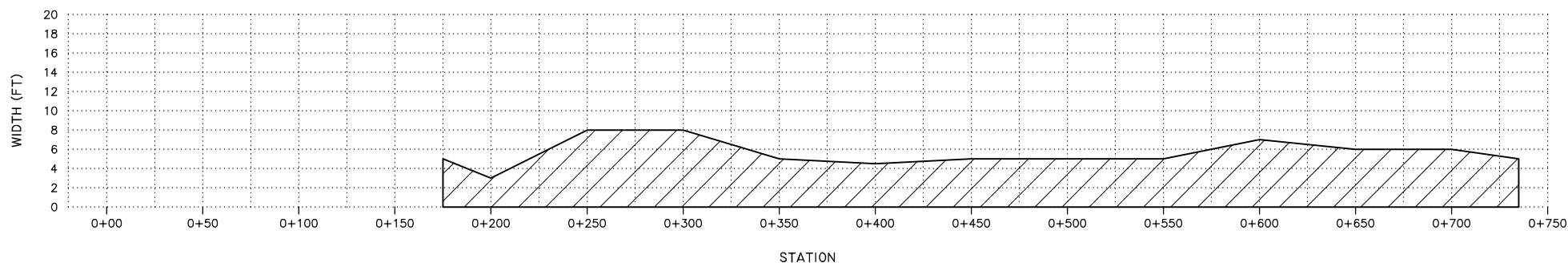
**B1 WIDTH PROFILE**



**B2 WIDTH PROFILE**



**C1 WIDTH PROFILE**



**C2 WIDTH PROFILE**



**LEGEND:**

- REMEDIAL ACTION BIOWALL  
INSTALLED SEPTEMBER 2006
- PILOT STUDY BIOWALL  
INSTALLED JULY 2005

**NOTE:**

1. ALL WIDTHS MEASURED AT TOP OF TRENCH. WIDTHS AT BOTTOM OF TRENCHES WERE AT LEAST 3- FEET SINCE 3-FOOT WIDE BUCKET USE. BOTTOM WIDTH OF BIOWALL A1/A2 AND COMBINED BIOWALL B1/B2 WAS A MINIMUM OF 6 FEET.



**PARSONS**



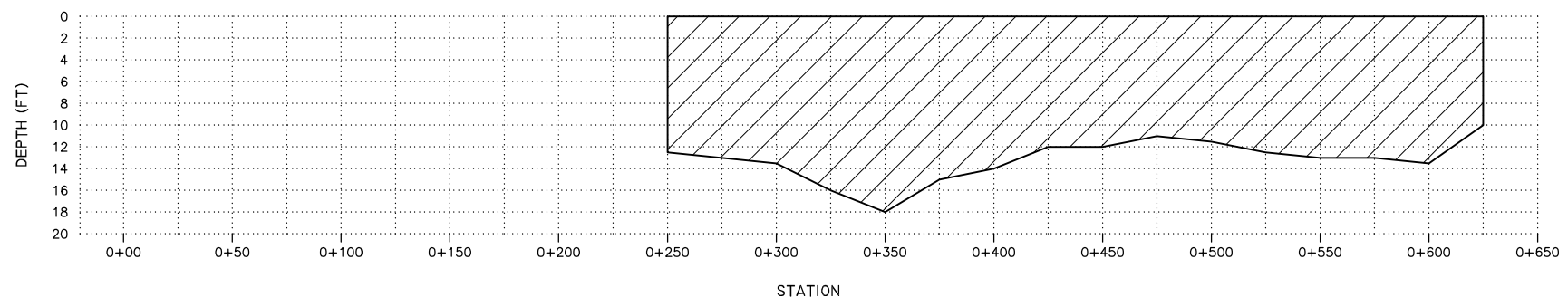
CLIENT/PROJECT TITLE  
**SENECA ARMY DEPOT**  
 ASH LANDFILL  
 CONSTRUCTION COMPLETION REPORT

DEPT. ENVIRONMENTAL ENGINEERING Dwg. No. 744538-01400

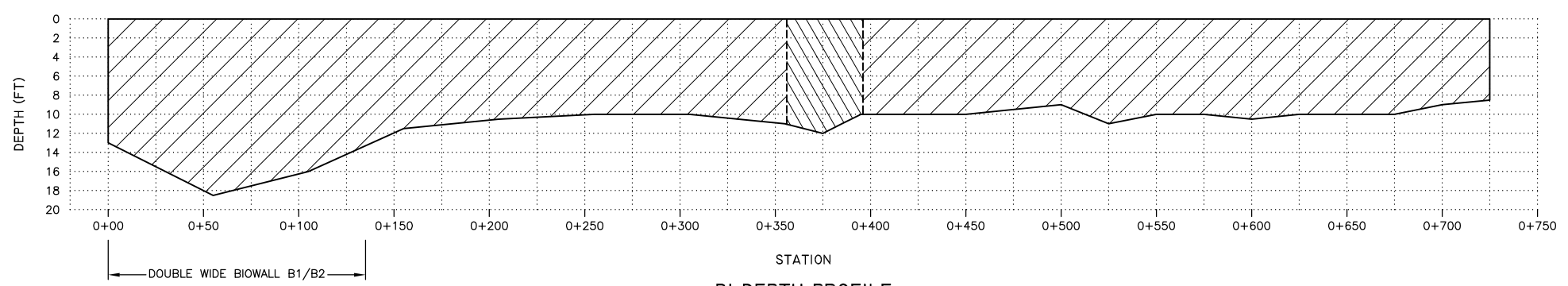
**D-3**  
 TRENCH DETAILS  
 WIDTH PROFILE

SCALE AS NOTED DATE JANUARY 2007 REV 0

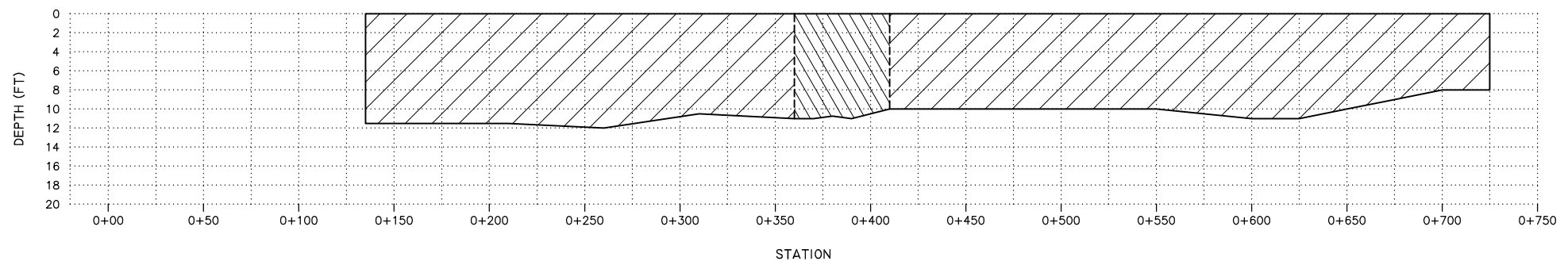
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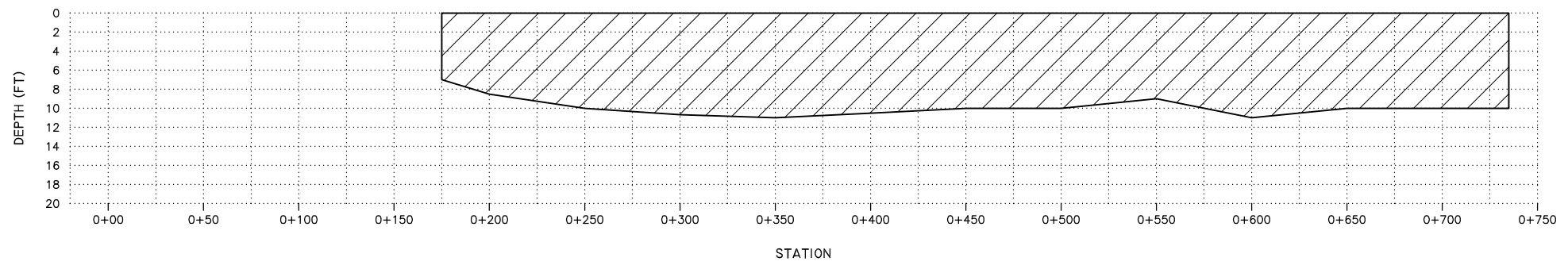
AI/A2 DEPTH PROFILE (DOUBLE WIDE BIOWALL)



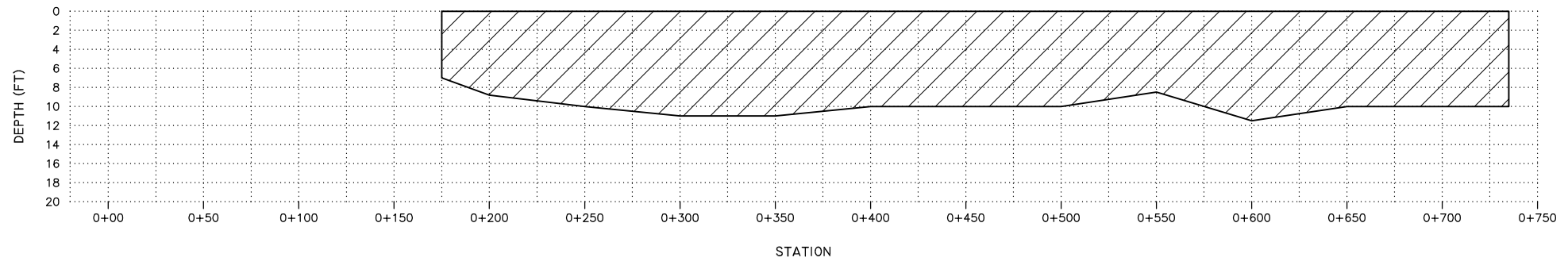
BI DEPTH PROFILE



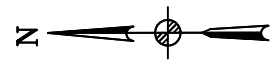
B2 DEPTH PROFILE



CI DEPTH PROFILE



C2 DEPTH PROFILE



**LEGEND:**

- REMEDIAL ACTION BIOWALL  
INSTALLED SPETEMBER 2006
- PILOT STUDY BIOWALL  
INSTALLED JULY 2005



**PARSONS**



CLIENT/PROJECT TITLE  
**SENECA ARMY DEPOT  
ASH LANDFILL  
CONSTRUCTION COMPLETION REPORT**

DEPT. ENVIRONMENTAL ENGINEERING Dwg. No. 744538-01400

**D-4  
TRENCH DETAILS  
DEPTH PROFILES**

SCALE AS NOTED DATE JANUARY 2007 REV 0

## **Appendix E**

### Response to Comments

## **Army's Response to Comments from the New York State Department of Environmental Conservation**

**Subject:** Draft Construction Completion Report  
for the Ash Landfill Operable Unit  
Seneca Army Depot  
Romulus, New York

**Comments Dated:** March 17, 2007

**Date of Comment Response:** April 23, 2007

### **Army's Response to Comments**

#### **SPECIFIC COMMENTS**

**Comment 1:** Section 2.7, Page 2-10. Suggest to revise "...Section 3.5 describes which wells were abandoned and replaced..." to "...Section 3.6 describes which wells were abandoned and replaced..."

**Response 1:** Agreed. The text has been revised accordingly.

**Comment 2:** Section 4.0, Page 4-1. Suggest to revise "...Post-Closure Monitoring and Maintenance Plan (PCMMP) presented as Section 7 of the RDR with the modifications as described in Section 4.5...", as there is no section 4.5 in the report dated September 2006. The Army also needs to update Section 7 with required Figures.

**Response 2:** The reference has been changed to Section 3.6. The Revised Final RDR will not be updated, since the correct well locations are presented in this Completion Report and will be shown in the Long-Term Monitoring Reports.



## Army's Response to Comments from the United States Environmental Protection Agency

**Subject:** Draft Construction Completion Report  
for the Ash Landfill Operable Unit  
Seneca Army Depot  
Romulus, New York

**Comments Dated:** April 11, 2007

**Date of Comment Response:** April 23, 2007

### Army's Response to Comments

#### GENERAL COMMENTS

**Comment 1:** The Report indicates that although the Ash Landfill OU is comprised of five solid waste management units (SWMUs) [the Incinerator Cooling Water Pond (SEAD-3), the Ash Landfill (SEAD-6), the Non-Combustible Fill Landfill (SEAD-8), the Debris Piles (SEAD-14), and the Abandoned Solid Waste Incinerator Building (SEAD-15)], the ROD for this operable unit did not prescribe any action for the Abandoned Solid Waste Incinerator Building (SEAD-15). Therefore, this SWMU is not included as part of this RA. It was understood from pre-ROD discussions that this building was going to be abandoned. However, according to more recent communications, the Army indicated that the Abandoned Solid Waste Incinerator Building (SEAD-15) will soon be demolished. Please revise the Report to clarify what mechanism will address the disposition of Abandoned Solid Waste Incinerator Building (SEAD-15) and when it is anticipated that this mechanism will be completed.

**Response 1:** The Abandoned Solid Waste Incinerator Building (SEAD-15) will be demolished within the next year under a separate effort. The incinerator building is being removed at the request of the Local Redevelopment Authority (LRA) due to safety concerns and is not related to a CERCLA required action, since there was no requirement to address the building under CERCLA. The report has been revised to indicate this fact and reference the findings of the RI. The Army does not believe it appropriate to include discussions of non-CERCLA activity in the CERCLA required completion report. Including this SWMU is accurate since the SWMU will be part of the area where the land use restrictions apply until such time as the groundwater meets the required standard.

**Comment 2:** Table 2 lists the design parameters and the actually installed parameters for the three biowalls. The table implies that the design lengths for the B1/B2 biowalls are longer than the actual lengths installed. Actually, the B1/B2 length needs to be counted twice, as it is both a part of biowall B1 as well as biowall B2. The table does not reflect this, leaving the impression that the biowall was not installed as long as initially designed. Please revise the Report and Table 2 to clearly indicate that biowalls met the design lengths.

**Response 2:** Table 2 has been revised to indicate that the biowalls met the design length. The following note has been added to Table 2: "The actual trench length for B1/B2 combined counts the length of the B1/B2 portion twice, since the B1/B2 double wall portion counts for both B1 and B2."

## SPECIFIC COMMENTS

**Comment 1: Section 1.2.2: Site History, Page 1-3.** The last sentence in this section states that, "Other areas [than the Ash Landfill] on the site were used for a grease pit and burning of debris." These areas are not discussed further and were not addressed by the remedial action. Please revise the Report to elaborate on whether analytical data demonstrated that these areas did not require remedial action, or that they are being addressed by an alternate mechanism.

**Response 1:** The Remedial Investigation demonstrated that no action was needed at the grease pit locations. The Debris Piles were removed as part of this remedial action. The text has been revised, replacing the last sentence of section 1.2.2 with the following text:

"The Debris Piles, also referred to as Refuse Burning Pits (SEAD-14), are small, localized, surface features that are visibly discernable and do not extend into the subsurface, located to the north and east of the Ash Landfill. A grease pit disposal area near the eastern boundary of the site was used for disposal of cooking grease; analytical data collected during the RI indicated that the grease pits did not require further action."

**Comment 2: Section 2.1: Site Preparation Activities, Page 2-1.** The second paragraph describes the utility clearance conducted and indicates that an abandoned water line was cut during trench installation. The cuts were reportedly surveyed and marked on Drawing D-2. Drawing D-2 does show an approximate location for the cuts, but survey information is not provided. Please revise drawing D-2 to provide the survey information for the cut in the abandoned water line.

**Response 2:** Drawing D-2 has been revised and the survey coordinates are posted on the drawing.

**Comment 3: Section 2.3: Incinerator Cooling Water Pond, Page 2-7.** The Report does not indicate whether this area was re-vegetated, or left as a bare soil surface. Please revise the Report to indicate how the final surface of this area was left. Additionally, please revise Section 4 of the Report to indicate that Parsons will also inspect the Incinerator Cooling Water Pond area to ensure that re-vegetation has occurred.

**Response 3:** The Incinerator Cooling Water Pond was seeded to promote vegetation. This information has been added to Section 2.3. The first bullet on Page 4-1 has been revised as follows: "In the spring of 2007, Parsons will confirm that vegetation is re-established at the Ash Landfill, the Non-Combustible Fill Landfill, the Incinerator Cooling Water Pond, and the Debris Piles."

**Comment 4: Section 4.0: Post-Construction Activities, Bullet One, Page 4-1.** The Report indicates that Parsons will confirm that vegetation is re-established at the Ash Landfill and Non-Combustible Fill Landfill. Earthwork activities were also performed at the Debris Piles, where the Report indicated in Section 2.6.3, on page 2-10, that these areas would naturally vegetate since they were in the middle of a densely vegetated area. Parsons should also ensure that the Debris Piles have undergone re-vegetation as was indicated. Please revise the Report to indicate that Parsons will inspect the Debris Piles to ensure that re-vegetation has occurred.

In addition, the Report also does not indicate if the silt fencing around the Debris Piles was removed, or if the silt fencing around the Non-Combustible Fill Landfill was removed. Parsons should clarify if the silt fencing was removed from these two SWMUs. Please revise the Report to provide this information, and to propose only to remove the silt fencing if the Debris Piles and Non-Combustible Fill Landfill areas have successfully re-vegetated.

**Response 4:** The inspection of the Debris Piles to confirm that vegetation has been established has been added to the first bullet in Section 4.0.

The silt fencing around the NCFL remains in place and will not be removed until inspection demonstrates that proper vegetation has been established. The silt fencing surrounding the Debris Piles was removed since the immediate area is densely vegetated and flat and there was no risk of erosion.

**Comment 5: Section 4.0: Post-Construction Activities, Bullet Two, Page 4-1.** The Report indicates that long-term monitoring (LTM) of groundwater will commence in January 2006. The Report may have mistakenly listed 2006 instead of 2007. Please clarify which is correct, and revise the Report accordingly.

**Response 5:** The second bullet has been revised to state that LTM of groundwater will commence in January 2007.