

150 Federal Street, 4th Floor • Boston, Massachusetts 02110 • (617) 946-9400 • Fax (617) 946-9777 • www.parsons.com

April 23, 2007

Mr. John Hill
U. S. Air Force Center for Environmental Excellence
HQ AFCEE/IWA-COR
3300 Sidney Brooks
Brooks City-Base, TX 78235-5112

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

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

cc: S. Absolom, SEDA (3 paper copies, 1 electronic copy)

K. Hoddinott, USACHPPM (4 paper copies, 1 electronic copy)

C. Boes, USAEC (1 copy, electronic and paper)

R. Battaglia, USACE, NY District (1 copy, electronic and paper)

T. Battaglia, USACE, NY District (1 copy, electronic and paper)

Air Force email (letter only)

## **PARSONS**

150 Federal Street, 4th Floor • Boston, Massachusetts 02110 • (617) 946-9400 • Fax (617) 946-9777 • www.parsons.com

April 23, 2007

Mr. Julio Vazquez USEPA Region II Superfund Federal Facilities Section 290 Broadway, 18<sup>th</sup> Floor New York, NY 10007-1866

Mr. Kuldeep K. Gupta, P.E. New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation Remedial Bureau A, Section C 625 Broadway Albany, NY 12233-7015

Mr. Mark Sergott Bureau of Environmental Exposure Investigation, Room 300 New York State Department of Health 547 River Street, Flanigan Square Troy, NY 12180

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

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.

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** 

cc: J. Hill, AFCEE (letter only) K. Hoddinott, USACHPPM T. Battaglia, USACE, NY District

S. Absolom, SEDA

C. Boes, USAEC

R. Battaglia, USACE, NY District

J. Fellinger, TechLaw

## **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:

PARSONS 150 Federal Street Boston, MA 02110

## TABLE OF CONTENTS

		Page
LIST	OF TABLES	iii
LIST	OF FIGURES	iii
LIST	OF APPENDICES	iii
LIST	OT THE DICES	
ACRO	ONYMS AND ABBREVIATIONS	iv
EXEC	CUTIVE SUMMARY	E-1
SECT	TION 1 – INTRODUCTION	1-1
1.1	Purpose of the Construction Completion Report	1-1
1.2	Site Location and History	
1.2	1.2.1 Site Location	
	1.2.2 Site History	
1.3	Contaminants of Concern and Previous Actions Taken	
1.4	Report Organization	
SECT	TION 2 – CONSTRUCTION ACTIVITIES	
2.1	Site Preparation Activities	2-1
2.2	Biowall Construction	
2.2	2.2.1 Biowall Locations	
	2.2.2 Excavation	
	2.2.3 Mulch Backfill	
	2.2.4 Soil Cover/Capping	
2.3	Incinerator Cooling Water Pond	
2.4	Ash Landfill – Vegetative Cover Construction	
2.5	Non-Combustible Fill Landfill – Vegetative Cover Constru	
	2.5.1 Clearing	
	2.5.2 Erosion Control	
	2.5.3 Cover	2-8
2.6	Debris Pile Removal	2-9
	2.6.1 Excavation	2-9
	2.6.2 Debris Pile Characterization and Disposal	2-9
	2.6.3 Debris Pile Site Restoration	2-10
2.7	Monitoring Well Installation	2-10
2.8	Field Sampling	2-10
	2.8.1 Borrow Source	2-10
	2.8.2 Trench Spoils	2-11
	2.8.3 Debris Pile Waste Characterization	2-11
2.9	Health and Safety	2-11
2.10	Site Restoration	2-12
SECT	TION 3 – SUMMARY OF DEVIATIONS FROM DESIGN	3-1
3.1	Biowall Construction	3-1

3.2	Incinerator Cooling Water Pond	3-1
3.3	Ash Landfill Vegetative Cover	3-1
3.4	Non-Combustible Fill Landfill	3-2
	Debris Piles	
	Monitoring Wells	
	TION 4 – POST-CONSTRUCTION ACTIVITIES	
SECT	TION 5 – REFERENCES	5-1

## LIST OF TABLES

Table 1	Biowall Construction Dimensions
Table 2	As-Built vs. Design Data for Biowalls
Table 3	Biowall Excavation/Fill Mass Balance

## LIST OF FIGURES

Figure 2 Changes to LTM Well Locations

Figure 3 Long-Term Monitoring Well Locations

## **APPENDICES**

- A Disposal Documentation
- B Analytical Results
- C Field Documentation and Daily Reports
- D As-Built Record Drawings
- E Response to Comments

April 2007 Page iii

## 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

January 2007 Page iv

## **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

January 2007
P:\PIT\Projects\Seneca PBC I\Ash LF Completion Report\Text\TOC\_Ash LF CCR.doc

#### **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-feet 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 OC 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 sum	marizes the total $\alpha$	mantities used and	compares them to	the design specifications.
The table below ball	illializes the total q	dullillop abou alla	compares mem to	the design specifications.

Material	Quantity Installed	% of Total Mulch Mixture	Design Specification
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>&</sup>lt;sup>1</sup>Total volume of mulch delivered minus percentage lost on ground surface during mixing/transfer. Exact mixing factor is 1.522.

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 then 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.

January 2007

Page 2-6

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

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

#### 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-feet 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).

#### **PARSONS**

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

			Range of Widths at	Biowall Excavation	Final Disposition of
Biowall	Length (If)	Depth (ft)	Top (ft) <sup>1</sup>	Volume (cy)	Trench Spoils
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.

#### **PARSONS**

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

	Trench Len	igth (If)	Trench I Design	Depth (ft)	Trench \ Design	Vidth (ft)	Excavation \	/olume (cy)	Mulch Volu	ıme (cy)	Sand Volu	ime (cy)	Oil Volume	(gallons)
Biowall ID	Design	Actual	(avg)	Actual	•	Actual	Design	Actual	Design	Actual	Design	Actual	Design	Actual
	070		4.4		0		450		047		000		4 500	
A1 A2	370 370		11 <u>11</u>		3	-	452 452		317 317		226 226		1,506 1,506	
A1/A2 Combined	370	375	11	10 to 18	6	8.5 to 17.5		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)	675	540	11	8 to 12	3	4.5 to 12	849	1,248	595	936	425	637	2,829	3,121
B1/B2 Combined	1,345	1,345 (1)					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	575	560	11	7 to 11.5	3	3 to 9	703	1,019	489	764	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**

	- 1				
Δ.	en.	 วท	~1	fill	

Fill Requirements	- Ash Landfill	
Material	Area (ac)	Area (sf)

Material	Area (ac)	Area (sf)	Volume Required	
ALF - Fill	2.2	95,832	2,366	су
ALF - Topsoil	2.2	95,832	1,183	су
Total Req'd for 1	2-inch cover	3,549	су	

Total Req'd for 12-inch cover

## Fill Placement - Ash Landfill

Material	Source	Volume Placed
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

## **Non-Combustible Fill Landfill**

## Fill Requirements - NCFL

Material	Area (ac)	Area (sf)	Volume Required	
NCFL - Fill	3.4	148,104	3,657	су
NCFL - Topsoil	3.4	148,104	1,828	су
Total Req'd for 12-inch cover			5,485	су

## Fill Placement - NCFL

Material	Source	Volume Placed	
NCFL - Fill	:From trench spoils <sup>1</sup>	4,005	су
NCFL - Topsoil	:From off-site	2,010	су
		6,015	су

## Notes:

ALF = Ash Landfill

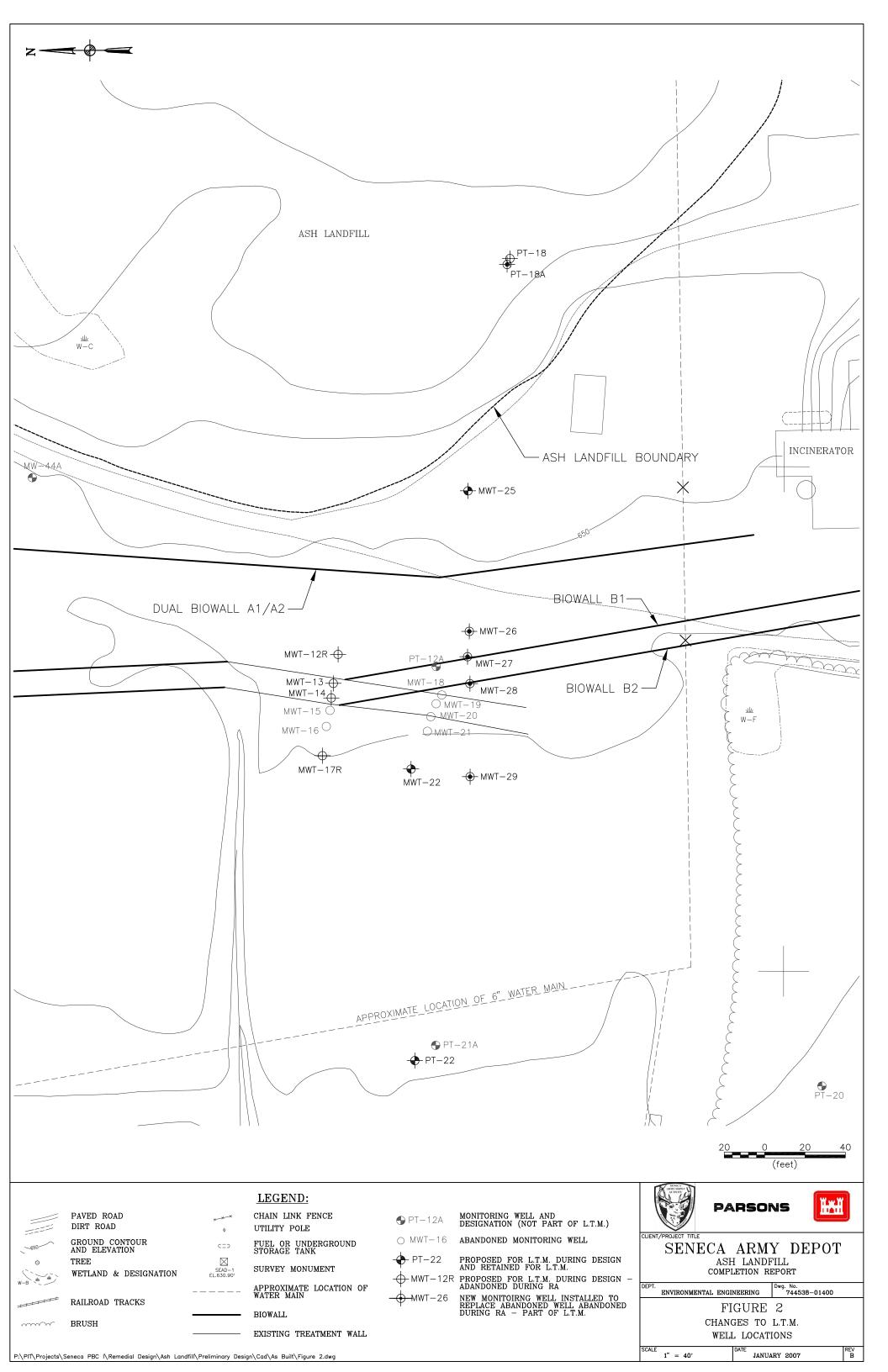
NCFL = Non-Combustible Fill Landfill

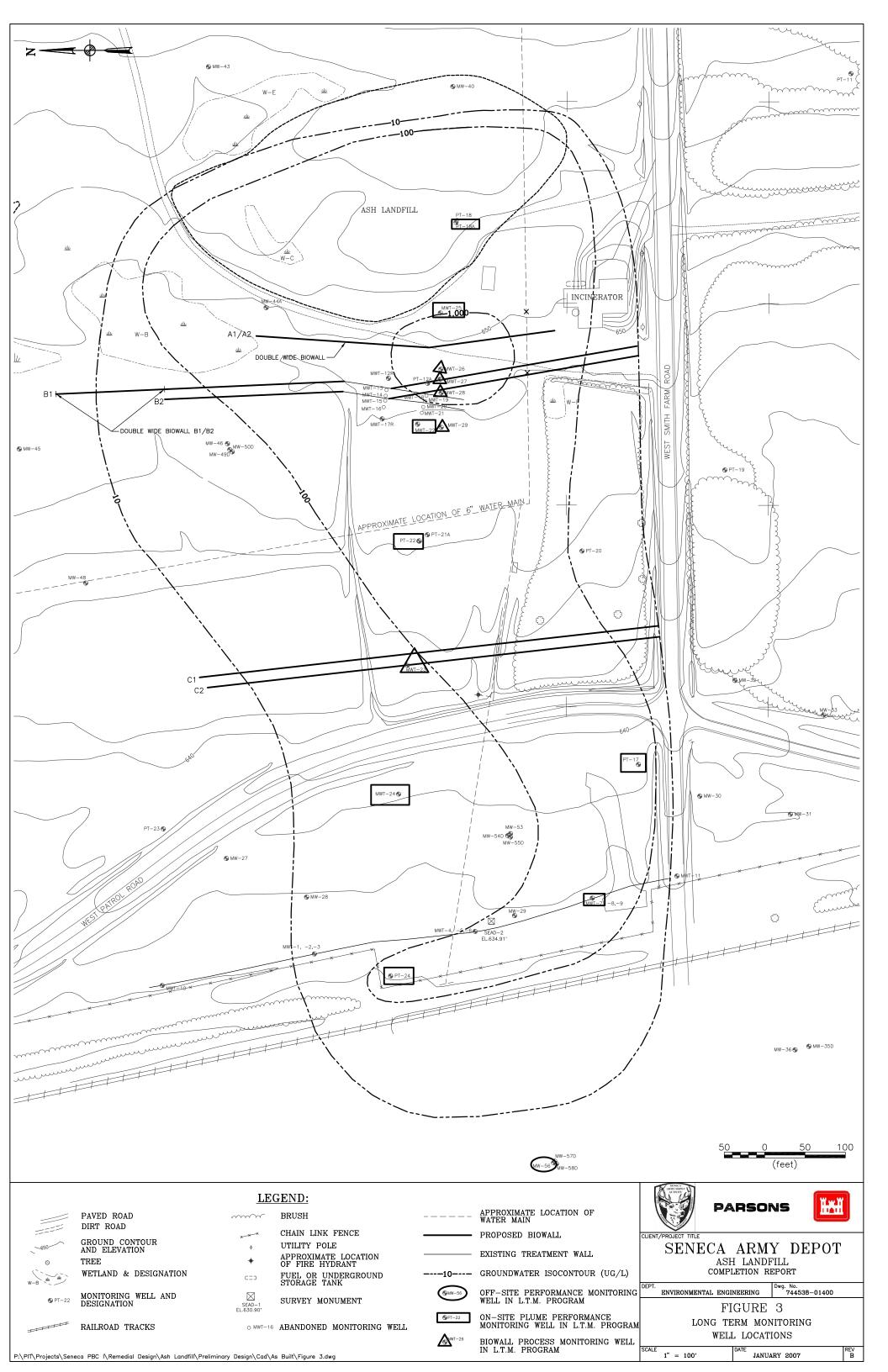
<sup>&</sup>lt;sup>1</sup>Volume excavated from Trenches C1, C2, combined B1/B2 and southern portions of B1 and B2 times an expansion factor of 10%.

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

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







## Appendix A

## **Disposal Documentation**

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

## **PARSONS**

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

			WEIGH	QTY		
LOAD#	DATE	MANIFEST#	TICKET#	(TONS)	DISPOSAL FACILITY	TRANSPORTER
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  Seneca Meadows	We Care
42	10/27/2006	BW41	1456927	44.47	Seneca Meadows	We Care
	TOTALS				tons	

ease print or type orm designed for use on ellie (12-pilch) typewriter.)								
NON-HAZARDOUS WASTE MANIFEST	1. Generator's US  NY 021	S EPA ID No	). 	Manifest Doc. No		ge <b>1</b>		
3. Generator's Name and Mailing Address	NYVE	· 1. 6. Jr.	<u>ロモッシレ</u>	BW UI.	of		·	
3. Generator's Name and Mailing Address	e to y Billion To alcored	Lus,	THE EY	1541				
4. Generators Phone ( 2.47 ) Galage	-1309							
I S Transporter 1 Community \$1		6.	US EPA ID N	lumber	A. Tra	nsporter's l	hone	
7. Transporter 2 Company Name	DN, LLC	<u> </u>		• • • •	151	<u>(5) (-</u>	<u> 59.</u>	1937
7. Hanspotter 2 Company Name	•	8. 			B. Tra	nsporter's	Phone	
9. Designated Facility Name and Site Address		10.	US EPA ID N		C Fac	ility's Phon		
1/36 TOLONIAN KO	110 C							and a second second
WATERLES NY 13	- x 25 x - M	ļ			(3)	s() 5.	39 -	5624
11. Waste Shipping Name and Description	<u>/*/</u>	<u> </u>	• • •	• • •		12. Con	tainara	10
						No.	Type	13. Total Quantity
a.							1700	
NON HAZARBOUS . CON	VT CI INST	(1) Si	016			]		35.61
b.				· · ·			·	
<u>.</u>								ì
7.00%	.*						] .	
c.					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
					2."			
d.			. , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			• •		• • • •
	×		ŝ.					# v
D. Additional Descriptions for Materials Listed Abo							.	
15. Special Handling Instructions and Additional Inf	OVAL #	-		., ,		Pri-		7.1
	C	>60;	80B					
16. GENERATOR'S CERTIFICATION: I certify the	naterials described abov	e on this mar	ilfest are not subj	ect to federal regula	ions for re	porling prop	er disposa	I of Hazardous Was
Printed/Typed Name			nature 10	1/11	7		-,1	Month Day
17. Transporter 1 Acknowledgement of Receipt of N	<u> </u>		-XI	( What	<u> </u>			1020
Printed/Typed Name	nateriais	Sign	ature					<u> </u>
776								Month Day
18. Transporter 2 Acknowledgement of Receipt of N	laterials	7,11,1						
Printed/Typed Name		Sign	ature					Month Day
9. Discrepancy Indication Space			·			***************************************		<u></u>
10. Facility Owner or Operator: Certification of receip	ot of waste materials of	overed by th	is manifest exc	ept as noted in Ite	m 19.			TAPE YOUR S
Printed/Typed Name	Dra	Sign	ature					Month Play
l by J. J. KELLER & ASSOCIATES, INC. h, WI 54957-0368			1				ום מו	LS-C5 Rev.
	GEN	IERATO	R'S COPY	•			ic.Dl	Lo-co Mev.

12ketr 1454877   Dater 10/24/2006   Time: 07:41:44 - 07:58:16	rqNBPORTAT 115EMS-2006080 15EMS-2006080 15EMS-36460LBS Tane: 36460LBS	Butol		
7 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	A Carrier: 7020 / WECARE TRANSPORTAI Profile: 20060808-15[NS-7 ISENS-20 Cust Ref. 197580 Tare: Tare: Tare: Tare:	Guantity	35. 6.100° Tous	
Senera: Weadows, Inter- - 1786 Estument Edu - Waterlad, NY 13165 - Phys. (315) 539-5624 Fax: (315) 539-3897	Gustongers 19146 / L.M SESSLERS EXCA Dright 116 / SENECA	entit meska dervices	PCBOI / BAR-CONTAIN SOIL	Weitgriffs send whiteners

Please print or type (Form designed for use on elite (12-pitch) typownter.) **NON-HAZARDOUS** 1. Generator's US EPA ID No. Manifest Doc. No. 2. Page 1 **WASTE MANIFEST** . NYO213820830 . . . . 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 A. Transporter's Phone US EPA ID Number WE CARE TRANSPURTATION, LLC 1315) 689-1937 7. Transporter 2 Company Name US EPA ID Number 9. Designated Facility Name and Site Address US EPA ID Number C. Facility's Phone Seneca Meadows Landfill 1786 Saloran Road Waterloo, NY 13165 8-4532-00023 315-539-5624 11. Waste Shipping Name and Description 12. Containers 14. Unit Wt/Vo! Type NON HAZAKDOUS CONTAMINATED SOIL 34,81 Tail b. GENER A T O R C. D. Additional Descriptions for Materials Listed Above E. Handling Codes for Wastes Listed Above 15. Special Handling Instructions and Additional Information WASTE APPROVAL # 3002 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 Absolom 06 17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Signature Month 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

Printed by J. J. KELLER & ASSOCIATES, INC. Neenah, WI 54957-0368

**TRANSPORTER #2** 

12-BLS-C5 Rev. 12/98

107521	Tine: 11:33:15 - 12:05:31	Carrier: 7020 / WECARE TRANSPORTAT Profile: 20060608-15LMS / 15LMS-2006080 Cust Ref: 197521	Tane: 36360LBS Net: 69620LBS	Quantity $\chi$
	Genera Meadows, Inc. 1786 Saloman Rd. Waterloo, MY 13165 Ph. (315) 539-5624 Fax: (315) 539-3097	SESSLERS EXCA	Origina 116 / BENECA Trucks WC5756 Comment:	Wastes & Services

Weighmasters RUSS 450014

Delvent

#2

34,8100 Tons

BCSG1 Z BZR-CONTAN SOIL

Ple (Fo	ease print or type orm designed for use on elite (12-pitch) typewrite: N <sup>22</sup> :						
	NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No.	Manifest Doc.	No. 2. Page 1			
A	3. Generator's Name and Mailing Address Seneca Army Depot Activity 5786 State Rte. 96, Romilus, NY 4. Generator's Phone ( 607 ) 869-1309		1 -		11 10 C 10	THAN ME	, , , , , , , , , , , , , , , , , , , ,
	5. Transporter 1 Company Name  VIE CARE TRANSPORTATION TO  7. Transporter 2 Company Name	6. USEP	A ID Number	A. Transporter's  (\$'\5') 65  B. Transporter's	39 -	1937	
	9. Designated Facility Name and Site Address Seneca Meadows Landfill 1786 Salcian Road	10. US EP	A ID Number	C. Facility's Pho			
	Waterloo, NY 13165	8-4532-0002	3	315-539-50	524		
	11. Waste Shipping Name and Description			12. Co No.	ntainers Type	13. Total Quantity	14. Unit Wt/Vol
	NON HUZAKUNUS CUI	UTAMINATED DO	11			37.69	T/! 1
GENERAT	b.						
RATOR	c.				_		
	d.	. 41	, , , , , , , , , , , , , , , , , , ,				
	D. Additional Descriptions for Materials Listed Above			E. Handling Code	s for Was	tes Listed Above	<b>-1</b>
	15. Special Handling Instructions and Additional Infon		,		,,,,viii.		
	16. GENERATOR'S CERTIFICATION: I certify the ma	parials described above on this marifest are					
<b>V</b>	Printed/Typed Name Stephen Absolom	Signature	The subject to rederal reg	Color reporting pro	per disposi	al of Hazardous Was Month Day プラフィ	Year
-1767700	17. Transporter 1 Acknowledgement of Receipt of Mat Printed/Typed Name	Signature				Month Day	Year
	18. Transporter 2 Acknowledgement of Receipt of Mat Printed/Typed Name	erials Signature	7/A/4/5/7A.	***************************************		Month Day	Year
=	19. Discrepancy Indication Space	7. A			Landon Company		
	20. Facility Owner or Operator: Certification of receipt	of waste materials covered by this manif	est except as noted in	Item 19.			
r   '	Printed/Typed Name	Signature	And the second s			Month Pay	  Year
nte en	ad by J. J. KELLER & ASSOCIATES, INC. ah, WI 54957-0368	GENERATOR'S			12-B	LS-C5 Rev.	[½/ 12/98

Benera Meadows, Inc. 1786 Saloman Rd. Wateriloo, NY 13165 Ph. (315) 539-5624 Fax: (315) 539-3097		ickets 1454981 Dates 10/24/2006 Times 09:06:40 - 09:19:58
Customer: 151.46 / L M SESSLERS EXCA Carrent Property Cust Rel Origin: 116 / SEMECA Truck: WC3756 Comment:	Carrier, 7020 / WECARE TRANSPORTAT Profile, 2006080B-15LMS / ISLMS-201 Cust Ref. 197522 Tarex	nNSPORTAT . ISLMS-RebGGGG Gross: 111780LBS Tare: 36400LBS Net: 75300LBS
Wastes & Servicesi.	Guantity "	Bw 03
BCSØ1 / B/R-CONTAM SOIL	37.6900 Toms	

or material de la constant

Weighmasters CARRIE 450047

Driver

#3

		41	-	•						# '
田田		print or type esigned for use on elite (12ºpitch) typewriter.)			BW04					
L		NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No	o. 	Manifest Doc. No. ろいんか	2. Pag of	e 1		,	
	4.	Generator's Name and Mailing Address  Seneca Army Depot Activity  5786 State Rte. 96, Romalus,  Generator's Phone (607)  869-1	NY 14541		· · · · ·			,,,,,,,,,,	and the second s	
	5.	Transporter 1 Company Name  NUE CAKE TRANSPORTA	FORT LLC	US EPA ID Nu	imber	1	nsporter's F		1937	
	7.	Transporter 2 Company Name	8. 	US EPA ID Nu	ı	B. Trai	nsporter's	Phone	1-1	
	9.	Designated Facility Name and Site Address Seneca Meadows Landfill 1786 Salonan Road	10.	US EPA ID Nu		C. Fac	ility's Phon	<b>e</b>	- Appen	
	11.	Waterloo, NY 13165  . Waste Shipping Name and Description	<u> </u>	532-00023		3	15-530 12. Con	S624 tainers	13.	14.
	a.	Walter Control of the	NATES AND ADDRESS OF THE PARTY		***************************************		No.	Туре	Total Quantity	Unit Wt/Vol
G		NON HAZAKDONS	S CONTAMIA	VATEY	BriL				39.72	Tan
GENERAT	c.									
O R	d.		7.							
					•					
	15.	Additional Descriptions for Materials Listed Above Special Handling Instructions and Additional Infor	rmation			E. Hand	lling Codes	for Wasi	es Listed Above	
			06050.							
	16.	GENERATOR'S CERTIFICATION: I certify the ma Printed/Typed Name		nifest are not subje	ect to federal regulation	ons for re	porting prop	er disposa		
¥	177	-Stephen /bsolea		ZN1	Close	1,			Month Day	Year OG
TRANSPORTER	ļ ,	Transporter 1 Acknowledgement of Receipt of Ma Printed/Typed Name	Sign	nature					Month Day	Year
ORT.		Transporter 2 Acknowledgement of Receipt of Ma Printed/Typed Name		nature		•			Month Day	Vone
Ř	19 7	Discrepancy Indication Space					<del></del>		Month Day .	Year ·
FACILI		Facility Owner or Operator: Certification of receipt	of waste materials covered to	nie monitori			- · ·		ones.	
T Y			S. Hadio materials covered by II	na mannest exce	thr as noted in Item	1 19.			y	
-	F	Printed/Typed Name	Sign	ature		<del></del>			Month Day	Ygay
rint Jeer	ed by . nah, W	J. J. KELLER & ASSOCIATES, INC. 1 54957-0358	GENERATO	R'S COPY	4			12-BI	S-C5 Rev.	7 12/98

Neenah, WI 54957-0368

Seneca Meadows, Fig. 1286 Saleman Rd. 13165 Ph: (315) 539-5624 Fax: (315) 539-3097 Customer: 15146 / L M SESSLERS EXCA Truck: WG5756	Carrier: 7020 / WECARE T Profile: 20050608-15146	Ticket: 1455066 Date: 10/24/2006 Time: 10:25:10 - 10:45:03 Time: 10:25:10 - 10:45:03 7:15:19:2006000 Gross: 115360LBS Tare: 36480LBS
Hambes & Bervices	Quantity	home
BCSB1 / B/R-CONTAM SOIL	39.7200 Tons	

Driver

Weighmaster: CARRIE 450047

PI (F	nese print or type (12-pitch) typewriter.)		BW05				
		1. Generator's US EPA ID No.	Manifest Doc. No.	2. Page	1		
	3. Generator's Name and Mailing Address Seneca Army Depot Activity 5786 State Rte. 96, Romalus, NY 4. Generator's Phone (607) 869-1309	14541	. 12***.		1	4	
	5. Transporter 1 Company Name  WE CARE TRANSPORTATION  7. Transporter 2 Company Name	W	ID Number	1315	porter's Phor 650 porter's Pho	1-1937	****
	Pesignated Eacility Name and Site Address     Select 1 Eaclows Landfill     1786 Salaman Road		<u> </u>	C. Facility			
	Waterloo, NY 13165	8-4532-0002	3	315-	539 <del>-</del> 5624		
	11. Waste Shipping Name and Description				12. Containe No. T	ers 13. Total ype Quantity	14. Unit Wt/Vol
	MON HAZAKBOUS CON	THAINITIO SO	1			36,40	Tod
GENERATO	b.		, W. I				
ATOR	<b>C.</b>	,					
	d. , ; , į , į ,				:		, L
	D. Additional Descriptions for Materials Listed Above			E. Handlin	ng Codes for	Wastes Listed Abov	0
	15. Special Handling Instructions and Additional Information  V/A TE SPROVA						
	16. GENERATOR'S CERTIFICATION: I certify the mater	rials described above on this manifest are no	t subject to federal regulation	ons for repo	rling proper di	sposal of Hazardous V	/aste.
¥	Printed/Typed Name Stephen Absolom	Signature	M COs	dan	1/	Month Da	y Year
TRAZOPORTER	17. Transporter 1 Acknowledgement of Receipt of Mater Printed/Typed Name	rials Signature		70074		Month Da	
OET	<ol> <li>Transporter 2 Acknowledgement of Receipt of Mater Printed/Typed Name</li> </ol>	rials Signature					
R	19. Discrepancy Indication Space	Olgradite			NFV:	Month Da	y Year
FAC-L							
I T Y	20. Facility Owner or Operator: Certification of receipt of Printed/Typed Name	waste materials covered by this manifes	at except as noted in Item	19.			
	•	Signature			and the second second second second second	Month Dh	Y Year
Print Neer	d by J. J. KELLER & ASSOCIATES, INC. ah, WI 54957-0368	GENERATOR'S CO			12	2-BLS-C5 Rev	12/98

ESLERS EXCA Cust Ref. 19751 3011.	Tickets 1454908 Dates 10/84/2086 Times 07:52:18 - 06:18:24	7828 / WECRKE TRANSPORTAT 2806680B-15LMB / 15LMB-2006888 9 Tanet 36720LBS Net: 72980LBS	BWOS.	Thurst Jan 18
meca Headows, Inc. 86 Salman Rd. 86 Salman Rd. 11 (315) 539-5624 Fax: (3 11 (315) 539-5624 Fax: (3 11 (315) 116 / SENECA Comment: UC3737 Comme		ost Cust Ref. 19751		Drivensii
	Egneda Headows, Inc.	Waterloo, MI 13195 ph: (315) 539-5624 Fax: (31 Qustomer: 15185 / L M SESSI Truck: WC5757 Comment:	& Services / B/R-CONTAM	Weighmasters DARKIE 450

	BWOb . #6
e print or type idesigned for use on elite (12-pitch) typewriter.)  NON-HAZARDOUS  1. Generator's US EPA ID No. NY0213820830	Manifest Doc. No. 2. Page 1  Of 1  Of 1
WASTE MANIFEST	
3. Generator's Name and Mailing Additivity Serieca Army Depot Activity Serieca Army Dre. 96. Romitus, NY 14541	S EPA ID Number  A. Transporter's Phone  (3.5) (9.9 - / 9.3)
	S EPA ID Number B. Transporter's Phone
5. Transporter 1 Company TRANSPORTATION 8.	- Facility's Phone
10.	JS EPA ID Number
9. Designated Facility Name and Site Address Seneca Meadows Landfill 1786 Saloman Road 1786 Saloman Road 1786 Saloman Road	No. 1 195
I I I I I I I I I I I I I I I I I I I	36.04 Tal
11. Waste Shipping Name and Description	1 5014
11. Waste Shipping Name and I a. NEN HAZARDOUS CONTAMINATED	
G b. E N	
E N E R A C.	
O R	E. Handling Codes for Wastes Listed Above
d.	E. Handing 955
D. Additional Descriptions for Materials Listed Above	
15. Special Handling Instructions and Additional Information	
15. Special Handling Instructions and Additional Information  WASTE APPROVED # 3062	20 A
WASI A. 0608	SC - Mostle
	Atouth Day Year
TON: Leartify the materials described above	Signature M / C Zo CC
	Month Day Yea
Stephen Absolon  T 17. Transporter 1 Acknowledgement of Receipt of Materials	Signature Searth Day Ye
T 17. Transporter 1 Assume A Printed/Typed Name	William
Printed/Typed Name  18. Transporter 2 Acknowledgement of Receipt of Materials  Printed/Typed Name  Printed/Typed Name	Signature
Printed/Typed Name	
- Discrepancy Indication Open	Norm 19.
F A C C L 20. Facility Owner or Operator: Certification of receipt of waste material	ials covered by this manifest except as noted in item 15.
C I L 20. Facility Owner or Operator: Certification of receipt of waste	Signature
I T Y Printed/Typed Name	12-BLS-C5 Rev.
Printed by J. J. KELLER & ASSOCIATES, INC. NBERBH, WI 54957-0368	GENERATOR'S COPY

			ALCO T. E. C. C. C.
en e	Seneca Headows, Inc. 1786 Balcman Rd. Waterloo, NY:13165 Ph. (315) 539-5624 Fax: (315) 539-3097		Ticket: 1455019 Date: 10/24/2006 Time: 09:27:46 - 09150:07
	Customer: 1546/L'M SESSLERS EXCA PORTUIN: 116/SENECA Comment:	Carrien: 7020 / WECARE TRANSPORTAT Profile: 20060803-15LMS / 15LMS-20 Ref: 197518 Tave: Tave:	NGPORTAT 15LMS-2006080 Gross, 108760LBS Tave: 36680LBS Neb: 72000LBS
	Wastes & Services	Ruantity -	35. 0k
	BCSG1 / E/K-CONTAN BOIL	36.0400 Tons	
		Driver: C   DUC	

3 C 8 E STR

Ple (Fo	ese print or type rm designed for use on elite (12-pitch) typewriter.)	y * \$	Bmo.					
		Generator's US EPA ID N NY0213820830	o. Manifest Do	1 4	e 1			
A	3. Generator's Name and Mailing Address Seneca Army Depot Activity 5786 State Rte. 96, Romilus, NY 148 4. Generator's Phone (607) 869-1309	541.	1		<b>!</b>			;
	5. Transporter 1 Company Name (NECARE TRANSPORTA	7/ c.u/ 6.	US EPA ID Number	1	nsporter's P		1027	
	7. Transporter 2 Company Name	8.	US EPA ID Number		nsporter's P		<u> </u>	
	Designated Facility Name and Site Address     Seneca Treadows Landfill     1786 Salcman Road	10.	US EPA ID Number	C. Fac	ility's Phone	:	~ *	
	Waterloo, NY 13165	8-453	2-00023	315-	<b>-539-</b> 562	1		
	11. Waste Shipping Name and Description		, , , , , , , , , , , , , , , , , , , ,		12. Conta	Type	13. Total Quantity	14, Unit Wt/Vol
And the state of t	a. NON HAZAKUONS CON	THIMING TEC	) SOIL			•	38,40	) /BAI
GENERAT	b.					•		
A T O R	c.					,	• • • •	
	d. ;							
	D. Additional Descriptions for Materials Listed Above			E. Han	dling Codes	for Wast	tes Listed Above	<b>}</b>
	15. Special Handling Instructions and Additional Informa						. ,	
	16. GENERATOR'S CERTIFICATION: I certify the mater Printed/Typed Name		anifest are not subject to federal	regulations for re	porting prope	er disposa		
<b>\</b>	Stephen Absolon		ZM (d.	soln			Month Da りらしと	
一日 人口 ひらいい しょうしょう	17. Transporter 1 Acknowledgement of Receipt of Mater Printed/Typed Name	Si	gnature				Monih Da	y Year
ORTEC	18. Transporter 2 Acknowledgement of Receipt of Mater Printed/Typed Name		gnature				Month Da	y Year
FACI	19. Discrepancy Indication Space							August 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
L T Y	20. Facility Owner or Operator: Certification of receipt of	waste materials covered by	this manifest except as noted	d in Item 19.				
T	Printed/Typed Name		nature			,,,,,	Month Ba	Year Y /-
	ed by J. J. KELLER & ASSOCIATES, INC. iah, WI 54957-0368	<i>i i i i i i i i i i</i>				12-B	/ ()     (1     ) LS-C5 Rev	. 12/98

HT THE STATE OF TH	Lickets 1455122 Dates 10224/2006 Times 10.56:58 - 11:20	NSPORTAT 15LMS-E006080 Anoss: 113420LBS	Tare: 36620LBS Net: 76800LBS	Ruo7	
		Carrier: 7020 / WECARE TRANSPORTAT Profile: 2006060B-15LMS / 15LMS-2006080	Cost Kett 197317	Quantity	38,4000 Tons
	Seneda Meadows, Inc. 1785 Saloman Rd. Waterloo, NY 13165	Chstomer: 15LMS / L M SESSLERS EXCA	Origin: 116 / BENECA Truck: WG5797 Formowit:	Wastes & Services	FESSI / B/R-CONTAM SOIL

11.17

Libray Char

#7

Drivers

Lighnasters CARRIE 450047

Ple (Fo	iase print or type irm designed for use on elite (12-pitch) typewriter;)			BW 08					
	NON-HAZARDOUS WASTE MANIFEST	1. GB0844675455 1. NVOZI3620830	PA ID No.	Manifest Doc. No. ムルの名。	2. Page 1				
	3. Senerator's Name and Mailing Address Seneca Army Depot Activity 5786 State Rte. 96, Romulus, NY 1 4. Generator's Phone ( 607 ) 869-1309	4541		1			. 34	,,,,,,	
	5. Transporter 1 Company Name	6.	US EPA ID	Number	A. Transp				
	7. Transporter 2 Company Name	<i>1.8 - 31.9</i> 8.	US EPA ID	Number	ر کرار آن ا B. Transp	් <u>්ට්්</u> orter's P	/ - /' hone	957	
	9. Designated Excille No. and Ob. Address						.,		
	9 Designated Facility Name and Site Address Serieca Feadows Landin II  1786 Saloman Road	10		Number	C. Facility				
	Waterloo, NY 13165		8-4532-00023			39-5624		100000	
	11. Waste Shipping Name and Description				'	12. Conta No.	iners Type	13. Total Quantity	14. Unit Wt/Vol
	a. NOW HAZAKOOUS U	ONTAMIN	INTED SE	214			.,,,-	37.02	
G	b.								
NED							.		
GENERATO	c.								
R									
	d.								
	D. Additional December 5 - 15 - 15 - 15 - 15 - 15			,					
	D. Additional Descriptions for Materials Listed Above				E. Handin	ig Codes	for Wasi	tes Listed Above	
	15. Special Handling Instructions and Additional Infor							710 - Lauren	
	W/ASTE APPROVAL	# 3452	-						
		0608	30B						
	16 GENERATOR'S CERTIFICATION LOCALIST	المعالم عالمه عالم							
	16. GENERATOR'S CERTIFICATION: I certify the ma	TELIBIS DESCRIDED ADOVE	Signature		a	rting prope	r dispose	I of Hazardous W Month Da	
<b>∀</b>	Stephen Absolom  17. Transporter 1 Acknowledgement of Receipt of Ma	toriale		r Clus	lan.	<b>-</b>		10 24	06
RAN	Printed/Typed Name	leriais	Signature				***************************************	Month Da	y Year
SPC	18. Transporter 2 Acknowledgement of Receipt of Ma	toriale						<u> </u>	
一日本人の中の日十日日	Printed/Typed Name		Signature	,,,, <u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>				Month Da	y Year
H	19. Discrepancy Indication Space	·				······································			<u> </u>
FACI									
L I T	20. Facility Owner or Operator: Certification of receipt	of waste materials cov	vered by this manifest e	xcept as noted in Iter	n 19.				
Ÿ	Printed/Typed Name		Signature					Month Dh	Year
	ad by 1 1 KELLER & ACCOUNTS INC								

Printed by J. J. KELLER & ASSOCIATES, INC. Neenah, WI 54957-0368

**GENERATOR'S COPY** 

12-BLS-C5 Rev. 12/98

Ticket: 1455237 Date: 10724/2006 Time: 18:31:18 - 13:12:38	Carrier: 7020 / WEEARE TRANSPORTAT Profile: 2006060B-15LMS / 15LMS-2006060 Orofile: 2006060B-15LMS / 15LMS-2006060 Arch Ref: 197516 Tare: 36600LBS Tare: 74040LBS	Ruantity	37.0200 Tons
Sereca Meadews, Inc. 1786 Salcman Rd. Waterloo, NY 13165 (*) Ph. (315) 539-5624 Faxu (315) 539-3097	Customers 15LMS / LM SESSLERS EXCA Origin: 116-7 SENECA Truck: WC2757	Wastes & Services	BOSEL A BAR-CONTAIN SOIL

Weighmaster: RUSS 450014

Ple (Fo	ase print or type, rm designed (c. ) on elite (12-pitch) typewriter.)		BW09					
	NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No.	Manifest Doc. No.	2. Page of	1			
Ā	3. Generator's Name and Malling Address	WIVELSOCUSSI		- 1	l			
	Seneca Army Depot Activity 5786 State Rte. 96, Romulus, NY 4. Generator's Phone (607) 869-1306				1 <del>17</del> 000 - 1-10 - 1-1000			
	5. Transporter 1 Company Name  WE CARE THANSFORT		D Number	A. Tran	sporter's Ph	none 3 7 m	1937	
	7. Transporter 2 Company Name	Ī	D Number	B. Tran	sporter's P	hone		
	Designated Facility Name and Site Address			C. Facil	ity's Phone			
	Seneca Meadows Landfill 1786 Saloman Road	ı						
	Haterloo, NY 13165	8-4532-00023		-315-	570-552 72. Cont	4	,	
	11. Waste Shipping Name and Description					ainers	13. Total	14. Unit
					No.	Туре	Quantity	Wt/Vol
	NON HAZNKDONS	CONTAM HUATEY SO	21L				38,10	Tall
GE	b.							
GENERAT								
A T O R	C.							
R	d.							
		. • ·						
	D. Additional Descriptions for Materials Listed Abov	re		E. Hand	lling Codes	for Was	tes Listed Above	1
Section 2					,			
	15. Special Handling Instructions and Additional Info							
	WASTE APPRIVAL							
		060808						
	•							
	16. GENERATOR'S CERTIFICATION: I certify the m	naterials described above on this manifest are no	ot subject to federal regular	ions for re	porting prop	er dispos	al of Hazardous Wa	aste.
	Printed/Typed Name	Signature,	nalsolo	. —		-	Month Day	, Year
¥ +	Stephen Absoloni 17. Transporter 1 Acknowledgement of Receipt of M	laterials	villaston.	<del>-</del>			10 20	106
TRANSPORTER	Printed/Typed Name	Signature					Month Day	, Year
P	18. Transporter 2 Acknowledgement of Receipt of M	laterials						•
T E R	Printed/Typed Name	Signature					Month Day	Year
	19. Discrepancy Indication Space			·		."		•
F A C I								
L I T	20. Facility Owner or Operator: Certification of receip	ot of waste materials covered by this manife	st except as noted in Ite	m 19.	Marie Ma		1, 1	1, /
Y	Printed/Typed Name	Signature		,			Month Day	Y par
	ted by J. d. KELLER & ASSOCIATES, INC.					12-F	BLS-C5 Rev.	12/98

Printed by J. J. KELLER & ASSOCIATES, INC. Neenah, WI 54957-0368

the state of the s		
Seneca Headows, Inc. 1786 Salcman Rd. "4. "Materloo, NY 13165 "Bh. (315) 539-5624 Fax: (315) 539-3097		Ticket: 145535E Date: 16/24/2066 Time: 14:20:00 - 14:52:31
Cirstomena 15LMS / L M SESSLERS EXCA  Origina 116 / SENECA  Taucks WC5757	Carrier: 7080 / WECARE TRANSPORTAT Profile: 20060808—15146. / 15145-2006080 Ref: 197515 Tare: 36640	AKSPORTAT 15LMS-2006000 Gross: 112040LBS Tare: 36640LBS Net: 76200LBS
Washes & Services	Quantity	Buch
BESEL / BKR-CONTAM SOIL	381000 Tons	
Weighmaster: "CARRIE 450047	Driver: Drig	

Long#3

P (F	ease om	p print or type designed for use on elite (12-pitch) typewriter.)				BWILA					
		NON-HAZARDOUS WASTE MANIFEST	1. Generator's U . NY0213820			nifest Doc. No.	2. Pag				
	`	Generator's Name and Malling Address Seneca Army Depot Activity 5786 State Rte. 95, Romalus, NY 1 Generator's Phone (607) 869-1309		and the same of th	· · · · · · · · · · · · · · · · · · ·	<i>#11</i> 6 .	01.1				Will the second
	L	Transporter 1 Company Name	RTINE!	6.	US EPA ID Numb		A. Trai	nsporter's P	hone	-1737	
		. Transporter 2 Company Name		8.	US EPA ID Numbe		B. Trai	nsporter's F	hone		WH.
	9	Designated Facility Name and Site Address Seneca Meadows Landfill 1786 Salcman Road		10.	US EPA ID Numbe		C. Fac	ility's Phone			
	1	HaterToo, NY 13165  1. Waste Shipping Name and Description	) .	8-453	2-00023			-539-562		· · · · ·	
	<u> </u>				· · · · · ·	Î 1	+ (	12 Conta 0 Conta No.	Type	13. Total Quantity	14. Únit Wt/Vol
	a.	New ARZESONO	CONTAI	W/NS	775 5p	14				29:16	Tree
GHNHR								,			
A T O	c.				-2000			• -	•		•
R	d.	)	:		·	\					•
	D.	Additional Descriptions for Materials Listed Above					E. Hand	ling Codes	for Was	ites Listed Abov	/e
	,	Special Handling Instructions and Additional Inform		· 110						<u></u>	-
		MASTE APPROVAL I	0608	50B							
			ಚ. ಕ್ಕ	•			ţ				
	16.	. GENERATOR'S CERTIFICATION: I certify the mate	erials described abo	ve on this mar	nifest are not subject to	federal regulation	ons for rej	oorting prope	r disposi	al of Hazardous \	Waste.
V		Printed/Typed Name Stephen Absolom			nature M		1	7		Month D	ay Year
T R A	17.	. Transporter 1 Acknowledgement of Receipt of Mate Printed/Typed Name	orials	Cie							1000
ZOPC	40	Further Hard		Sign Company Sign	nature	*****				Month D.	ay Year
TRANSPORTER	10.	Transporter 2 Acknowledgement of Receipt of Mate Printed/Typed Name	riais	Sign	nature				- Avu	Month Da	ay Year
	19.	Discrepancy Indication Space		<u> </u>		<del> </del>			-		
FACILIT	····										
L	20.	Facility Owner or Operator: Certification of receipt o	f waste materials (	covered by th	nis manifest except a	s-noted in Hen	19.	**************************************			,
Y		Printed/Typed Name	www.	Sign	ature		a para para para para para para para pa	CONTRACTOR OF THE STATE OF	,	Nofith T	/ Kear
3elen		ALUKELLER & ASSOCIATED INC	······································							<u> </u>	1-1/1/

Printed by J. J. KELLER & ASSOCIATES, INC Neenah, WI 54957-0368

**GENERATOR'S COPY** 

12-BLS-C5 Rev. 12/98

(315) 539-3897  (315) 539-3897  (215) 539-3897  (215) 539-3897  (225) ESSLEKS (EXCA Carriers Zaga / WECARE TRANSPORTER 18.19.19.19.28  (225) ESSLEKS (EXCA Carriers Zaga / WECARE TRANSPORTER 93.68.88  (225) ESSLEKS (EXCA Carriers Zaga / WECARE TRANSPORTER 18.19.19.28  (316) Profiles 93.68.88  (317) Refs. 196.989  (317) Refs. 196.989  (318) Refs		141	1		#10	
Cueve Coll.		19PORTAT 15LMS-2006089 6ross: 93060LBS 7are: 34740LBS Net: 58320LBS				- Constant
Cust EXCA		rrier: 7020 / WECARE TRAN ofile: 20060808-15LMS / 1 : 196900			Driver.	
116 / SENEC	19 Annual (1997)  29 Annual (1997)  20 Annual (1997)  20 Annual (1997)  21 Annual (1997)  21 Annual (1997)	(315) 539-3097 ESSLERS EXCA Custr				CARRIE 450047
Benefa Wead 1785 Salema Waterico, N Pha (315) 5 Custement: Comment: BCSD1 / BCSD1 /	Seneca Meadows, Inc. 1785 Saleman Rd. E	Waterloo, NT 19100 Ph: (315) 539-9624 Fax: Customer: 15LMS / L M E	Comment:	BCSB1 / BYR-CONTAM		Weighmasters CARR

ease print or type orm designed for use on elije (12-pilch) typewriter.)	4		BWIT					
NON-HAZARDOUS WASTE MANIFEST	<ol> <li>Generator's US E NYO21382083</li> </ol>		Manifest Doc. No.	2. Pag	je 1		`	
3. Generator's Name and Mailing Address Seneca Army Depot Activity 5785 State Rte. 96, Romalus, NY 14 4. Generator's Phone (607 ) 869-1309	1541	,,,,,,,				***************************************		
5. Transporter 1 Company Name	6.	US EP.	A ID Number	A. Trai	nsporter's F	Phone		
7. Transporter 2 Company Name	4 <i>T/0/V</i> [		A ID Number	B. Trai	nsporter's	-67 - Phone	-1937	
9. Designated Facility Name and Site Address Seneca Meadows Landfill 1786 Salcman Road	10		A ID Number	C. Fac	ility's Phon	e		
Naterloo, NY 13165	***************************************	8-4532-00023		315-	-539562	24.		
11. Waste Shipping Name and Description				0.00	12. Con	tainers	13. Total	
a. MIN HIGH WAR DANG TO	MARIA	1470 S	014	:	INU.	Type	Quantity 33,21	
b.	# 145	5257 }						4
	# 1455	301		j				
C.	***************************************				<u> </u>			
	, <u>.</u>							
d	ě.	4						
15. Special Handling Instructions and Additional Informa M/A STE APPたのVAL	# 建安	₹ 1805			sti ke	***************************************		
16 GENERATORIS CERTIFICATION					,,,,			
16. GENERATOR'S CERTIFICATION: I certify the material of the state of	rials described above (	on this manifest are r	not subject to federal regulati	ions for re	porting prop	er disposa	al of Hazardous W Month Day	
Stephen Absolom  17. Transporter 1 Acknowledgement of Receipt of Mater			mal.	<u>~~~</u>			110 20	
Printed/Typed Name	nais	Signature	AN TO			7000	Month Day	,
18. Transporter 2 Acknowledgement of Receipt of Mater	rials		Mac	,		1112	1011	γI
Printed/Typed Name	·	Signature	*.T				Month Day	, ,
19. Discrepancy Indication Space						/ /	Andrew Prince	
20. Facility Owner or Operator: Certification of receipt of	waste materials cov	vered by this manife	est except as noted in lier	n 19.		. Law		
Printed/Typed Name		Signature					Month Iday	//.
d by J. J. KELLEH & ASSOCIATES, INC. th, WI 54957-0368	GENE	ERATOR'S C	OPY			12-BI		1:

Seneca Meadows, Inc. 1786 Balcman Rd. Waterloo, NY 13165 Ph. (315) 539-5624 Fax: (315) 539-3097	Ticket: 1.455301 Date: 10/24/2006 Time: 13:44:57 - 14:07:46
ESSLERS EXCA	Carrier: 7020 / WECARE TRANSPORTAT  Profile: 20050800-15LMS / 15LMS-2006080  Cust Ref: 196890  Tare: 36720LBS  Tare: 37620LBS
Commenst Nebl un Lund Frun Environ	agantity Bwl
BCSG1/ BZR-CONTAM SOIL	18.6100 Tons
Weighmaster: CARRIE 450047	Drivers

Seneca Meadows, Inc. 1786 Salcman Rd. Waterloo, NY 13165 Ph: (315) 539-5624 Fax: (3		t Ticket ******	Date: 1	455257  0/24/2006  2:49:07 - 13:30:59
Origin: 116/SENECA Truck: WC2804 Comment:	Cust Ref:	rrier: 7020 / WECAI ofile: 2006080B-15L 196890	MS / 15LMS Gros Tar	
Wastes & Services		Quantity	B	iw 17
BCS01 / B/R-CONTAM	SOIL	14.4000 Tons		
Weighmaster: RUSS 456	0014	Driver:		

14.40 18.81

35.21 Tons

	ase print or type rm designed for use on elité (12-pitch) typewriter.)			BW 10					
(FC	NON-HAZARDOUS	1. Generator's U	S EPA ID No.	Manifest Doc. No.	2. Page	1			
	WASTE MANIFEST	HY0213820	<u>830 · · · · · </u>	لاحسيم يذو ا	of -				
A	3. Generator's Name and Mailing Address								
	Seneca Army Depot Activity	TATAS		4					
	5786 State Rte. 96, Romitus, NY 4. Generator's Phone ( 607 ) 869-130	14541 0			}				
	5. Transporter 1 Company Name	<b>?</b>	6. US EP	A ID Number	A. Tran	sporter's P	hone		
	UNE CARE TRANSPOR	TATION	1					1937	
	7. Transporter 2 Company Name		8. US EP.	A ID Number	B. Trar	sporter's l	Phone		
			<u> </u>		<u></u>				
	Designated Facility Name and Site Address     Seneca Yeadows Landfill		10. US EP.	A ID Number	C. Faci	lity's Phone	B		
	1786 Saloman Road								
	Waterloo, NY 13165		8-4532-0002	3	315-	539-56	24		
	11. Waste Shipping Name and Description			,,		12. Con		13. Total	14. Unit
						No.	Туре	Quantity	WiVol
	a.		#=#8% # 2	ari	;			7/17	,
	100 MAZAKOBUS	ON AP.	inimize of	201L			.	36162	104
l G	b.		***************************************				1	•	<del>                                     </del>
GENERATO									
ER									
A	c.				e				4
Ö R	•		f	i					
Ï	d. E. C.		· '4	3				·········	5
	C <sub>K'</sub>			š	,				,
							<u> </u>		11
	D. Additional Descriptions for Materials Listed Abor	ve			E. Hand	lling Codes	for Was	tes Listed Above	
									E
	15 Special Handling Instructions and Additional Info	ormation							
	15. Special Handling Instructions and Additional Info	,	. ,						
	15. Special Handling Instructions and Additional Info	,	77				· · · · · · · · · · · · · · · · · · ·		
		al # =	<i>e</i> -						
		al # =	<del>102</del> 0808						
		al # =	<i>e</i> -						
The state of the s	MASTE APPROV	O6	0808						
The state of the s	11/A STE APPROVE	O6	ove on this manifest are	not subject to federal regula	ations for re	porling prop	per dispos		
	1/1/A STE APPROV.  16. GENERATOR'S CERTIFICATION: 1 certify the r  Printed/Typed Name	O6	0808	not subject to federal regula	ations for re	porling prop	per dispos	Month Day	Year
	1// STE APPROVI  16. GENERATOR'S CERTIFICATION: I certify the r  Printed/Typed Name  Stephen Absoloni	AL # == COS	ove on this manifest are	not subject to federal regula	ditions for re	porling prof	ner dispos		Year
TRA	1/1/A STE APPROV.  16. GENERATOR'S CERTIFICATION: 1 certify the r  Printed/Typed Name	AL # == COS	ove on this manifest are	not subject to federal regula	tions for re	porling prop	oer dispos.	Month Day	Year
TRANSP	1/1/A STE APPROVE  16. GENERATOR'S CERTIFICATION: I certify the r Printed/Typed Name  Stephen Absolute  17. Transporter 1 Acknowledgement of Receipt of Management of Recei	AL # == COS	ove on this manifest are	not subject to federal regula	ditions for re	porling prop	oer dispos	Month Day	Year
TRANSPOR	16. GENERATOR'S CERTIFICATION: I certify the r Printed/Typed Name Stephen Absolom  17. Transporter 1 Acknowledgement of Receipt of M Printed/Typed Name  18. Transporter 2 Acknowledgement of Receipt of M	Materials	ove on this manifest are Signature Signature	not subject to federal regula	ditions for re	porling prop	oer dispos	Month Day	Year Year
→ TRANSPORTER	1/1/A STE APPROVE  16. GENERATOR'S CERTIFICATION: I certify the reprinted/Typed Name  Stephen Absoloni  17. Transporter 1 Acknowledgement of Receipt of New Printed/Typed Name	Materials	ove on this manifest are	not subject to federal regula	dilons for re	porling prop	per dispos	Month Day	Year Year
→ TRANSPORTER	16. GENERATOR'S CERTIFICATION: I certify the r Printed/Typed Name Stephen Absolom  17. Transporter 1 Acknowledgement of Receipt of M Printed/Typed Name  18. Transporter 2 Acknowledgement of Receipt of M Printed/Typed Name	Materials	ove on this manifest are Signature Signature	not subject to federal regula	litions for re	porling proj	per disposa	Month Day V O Z.C  Month Day	Year Year
	16. GENERATOR'S CERTIFICATION: I certify the r Printed/Typed Name Stephen Absolom  17. Transporter 1 Acknowledgement of Receipt of M Printed/Typed Name  18. Transporter 2 Acknowledgement of Receipt of M	Materials	ove on this manifest are Signature Signature	not subject to federal regula	ditions for re	porling prop	oer dispos	Month Day V O Z.C  Month Day	Year Year
	16. GENERATOR'S CERTIFICATION: I certify the r Printed/Typed Name Stephen Absolom  17. Transporter 1 Acknowledgement of Receipt of M Printed/Typed Name  18. Transporter 2 Acknowledgement of Receipt of M Printed/Typed Name	Materials	ove on this manifest are Signature Signature	not subject to federal regula	dians for re	porling prop	per dispos	Month Day V O Z.C  Month Day	Year Year
	16. GENERATOR'S CERTIFICATION: I certify the r Printed/Typed Name Stephen Absolom  17. Transporter 1 Acknowledgement of Receipt of M Printed/Typed Name  18. Transporter 2 Acknowledgement of Receipt of M Printed/Typed Name	Materials	ove on this manifest are Signature Signature	not subject to federal regula	ditions for re	porling prof	per dispos	Month Day V O Z.C  Month Day	Year Year
FACILI	16. GENERATOR'S CERTIFICATION: I certify the r Printed/Typed Name Stephen Absolom  17. Transporter 1 Acknowledgement of Receipt of M Printed/Typed Name  18. Transporter 2 Acknowledgement of Receipt of M Printed/Typed Name	materials described ab	Signature Signature	Malan	low	porling prop	per dispos	Month Day V O Z.C  Month Day	Year Year
	16. GENERATOR'S CERTIFICATION: I certify the reprinted/Typed Name Stephen Absolom  17. Transporter 1 Acknowledgement of Receipt of Manne  18. Transporter 2 Acknowledgement of Receipt of Manne  19. Discrepancy Indication Space	materials described ab	Signature Signature Signature	Malan	low	porling prop	per dispos	Month Day    C   Z . C     Month Day   .   .     Month Day   .   .	Year Year
FACILI	16. GENERATOR'S CERTIFICATION: I certify the reprinted/Typed Name Stephen Absoloni 17. Transporter 1 Acknowledgement of Receipt of Northed/Typed Name  18. Transporter 2 Acknowledgement of Receipt of Northed/Typed Name  19. Discrepancy Indication Space	materials described ab	Signature Signature	Malan	low	porling prop	per dispos	Month Day V O Z.C  Month Day	Year Year

Special	Time: 13:15:27 - 13:30:39	RGNSPORTAT. /'151,ns=8006080 Arnes: 1094801.BS		Bi wig		
		Carrier: 7020 / WECARE TR Profile: 20060808-15LMB /		Quartity	36. 6200 Tons	
Senera Meadows, Inc.	Waterloo, NY 13165 ph. (315) 539-5624 Fax: (315) 539-3097	Customen: 15LMS / L'M'SESSLERSLEXCA	Chiging 116 / SENECA Trucks WC5756 Comments		ECSO1 Z BZR-CONTAM SOIL	

Drivers

Weighmaster: RUSS 450014

ase print or type ' midesigned for use on elite (12-pilch) typewriter;)		BW19					
WASTE MANIFEST N	enerator's US EPA ID No. YO213820830	Manifest Doc. No.	2. Page of <b>1</b>	1			
3. Generator's Name and Mailing Address Seneca Army Depot Activity 5786 State Rte. 96, Romulus, NY 1454. 4. Generator's Phone (607) 869-1309	L	,		\ <u>_</u>			
5. Transporter 1 Company Name VICCARE TRANSFORTATIO	6. US EF	A ID Number	A. Trans	porter's Pl	none	15 2	
7. Transporter 2 Company Name		A ID Number		porter's P	<del></del>	-1937	
9. Designated Facility Name and Site Address Seneca Meadows Landfill 1786 Salchan Road		'A ID Number	C. Facili	ly's Phone			
Waterloo, NY 13165	8-4532-0002	<u> 3</u>	315-	539-562	4		
11. Waste Shipping Name and Description				12. Conta	iners Type	13. Total Quantity	w W
NON HAZAKUONS CON	TAMINATES	5016		, ,		35,65	Ĩ
b.							
C,				• •	•		-
4		<u>,                                     </u>	ų				
1.		1	ş			<	Ĭ¢.
-			ŀ		.		١,
D. Additional Descriptions for Materials Listed Above			E. Handli	ng Codes f	or Wast	es Listed Above	
	t <del>2662</del> 06080 6		E. Handli	ng Codes f	or Wasi	es Listed Above	
15. Special Handling Instructions and Additional Information (バイン) 「	06080 B				<del></del>		sie.
15. Special Handling Instructions and Additional Information  (///△うTE	06080 B	not subject to federal regulation			<del></del>	l of Hazardous Wa Month Day	. 1
15. Special Handling Instructions and Additional Information  (/// STE A PPKUVAL &  16. GENERATOR'S CERTIFICATION: 1 certify the materials of Printed/Typed Name  Stephen Absoloni  17. Transporter 1 Acknowledgement of Receipt of Materials	060806'	not subject to federal regulation			<del></del>	l of Hazardous Wa	. 1
15. Special Handling Instructions and Additional Information  (ハ/ムうTE ハンアベロッム 上  16. GENERATOR'S CERTIFICATION: 1 certify the materials of Printed/Typed Name  Stephen Absoloni	060806'	not subject to federal regulation			<del></del>	l of Hazardous Wa Month Day	6
15. Special Handling Instructions and Additional Information  (/// () )   () () () () () () () () () () () () ()	escribed above on this manifest are Signature Signature	not subject to federal regulation			<del></del>	l of Hazardous Wa Month Day	6
15. Special Handling Instructions and Additional Information  (/// () TE APPKOVAL &  16. GENERATOR'S CERTIFICATION: 1 certify the materials of Printed/Typed Name  Stephen Absoloni  17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name  8. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name	escribed above on this manifest are	not subject to federal regulation			<del></del>	l of Hazardous Wa Month Day	6
15. Special Handling Instructions and Additional Information  (A) A A A A A A A A A A A A A A A A A A	escribed above on this manifest are Signature Signature Signature	not subject to federal regulation	ons for repo		<del></del>	I of Hazardous Wa Month Day /() 2.0 Month Day	h
16. GENERATOR'S CERTIFICATION: I certify the materials of Printed/Typed Name  Stephen Absologi  17. Transporter 1 Acknowledgement of Receipt of Materials  Printed/Typed Name  18. Transporter 2 Acknowledgement of Receipt of Materials	escribed above on this manifest are Signature Signature Signature	not subject to federal regulation	ons for repo		<del></del>	I of Hazardous Wa Month Day /() 2.0 Month Day	

B-419	Quantity	Wasires & Services
Neth 71300LBS		Comment: MC5736
RANGPORTA / 15LMS-2006000   Gross: 107520LBS   Tare: 36220LBS	34	The man its / SENECA
Time: 14:52:03 - 15:12:4	Anno.	Customer: 15LMS / L M SESSLERS EXCA
Date: 10/24/2006	E CLOCK	Waterloo, NY 13165 Ph: (315) 539-5624 Fax: (315) 539-3097 Customer: 15LMS / L M SESSLERS EXCA
		рив, Inc. n'Rd. Y 13165 39-5624 Fax: (315) 5LMS / L M SESSLERE
		10. 10. 10. Fax (315) 10. Fax (315)

Drivers

#13

Complete The Compl

Weighmaster: CARRIE 450047

Pic (Fc	ase print or type im designed for use on allfo (12-plich) typewriter.)							
Ϊ	NON-HAZARDOUS	Generator's US EPA ID No.	Manifest Doc. No	. 2. Par	ne 1			
<u> </u>	WASTE MANIFEST	NY0213820830 · · · ·		of	~			
A	3. Generator's Name and Mailing Address				····	7.000		
	Seneca Army Depot Activity 5786 State Rte. 96, Romulus, NY 3 4. Generator's Phone (607) 869-1309	14541						
	5. Transporter 1 Company Name	6. US EPA ID	Number	Δ Tro	ınsporter's F	Phone	···	
ı	VIE CART TRANSPORT	ATION					-1937	
	7. Transporter 2 Company Name	8. US EPA ID	Number	B. Tra	nsporter's	Phone		
	Designated Facility Name and Site Address     Seneca Meadows Landfill	10. US EPA ID	Number	C. Fac	ility's Phone	<del></del> .		
l	1785 Salcman Road							
l	Waterloo, NY 13165	8-4532-00023		315	5-539-56	24		
	11. Waste Shipping Name and Description			1 000	12. Cont		_13.	14.
					No.	Туре	Total Quantity	Unit Wt/Vo
	a						34,64	
L	MEN HAZARDOUS COM	TAMMINTED SOI	٬ حــــ				J   10	T & 1.
G	b.					<b>†</b>		
GEZER								
R	C.		74		<u> </u>	· ·		
A T O	<u>.</u>							
Ř					. ,	. [		
	d.							+
ŀ	D. Additional Descriptions for Materials Listed Above			···		· ]		
						101 4443	tes Listed Above	
	15. Special Handling Instructions and Additional Inform	ation			*****	***		
	WASTE APPROVAL +	1 7						
İ		060808						
ſ								
T	16. GENERATOR'S CERTIFICATION: I certify the mate	riels described above on this manifest are not as	black to do to the last					
	Printed/Typed Name	Signature (7	bject to receral regulati	ons for re	bound blobe	r disposa		
<u> </u>	Stephen Absoluti		UGG	1	rm.		Month Day	Year 06
	<ol><li>Transporter 1 Acknowledgement of Receipt of Mate</li></ol>	rials	<u>i. t</u>		1			15.30
	Printed/Typed Name	TO DIZ Signature	#11/	\ T.		****	Month Day	Year
-	18. Transporter 2 Acknowledgement of Receipt of Mate	wind-	TYY		74	<del></del> .	<b>TIOI34</b>	$\Box$
	Printed/Typed Name	Signature						
L		dignature					Month Day	Year
1	19. Discrepancy Indication Space							ــــــــــــــــــــــــــــــــــــــ
		•						
$\vdash$	20. Facility Owner or Operator: Certification of receipt of	waste materials covered by this manifest ex	cept as noted in Item	119				
1				ブ				/
	Printed/Typed Name	Signature				•	Month Thy	Year
_	Third facilities a special control of			000000000000000000000000000000000000000	31.506.91/2609.0000000	SEC MESSAGE	11/1/4	
and And	by J. J. KELLER & ASSOCIATES, INC. n. WI \$4957-0368	GENERATOR'S COP	V			12-Bi	LS-C5 Rev.	<b>2</b> /98

Seriera Headows, Inc. 1286 Salcmain Rd. 1286 Sal
--

#14

Weighmaster: CARRIE 450047

믾	iase priol or type	000	BW 10				
Γ	NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. 13/0213820330	Manifest Doc. No.	2. Page 1			
	3. Generator's Name and Mailing Address	TRIBLICENALIO		3			
	Seneca Army Depot Activity 5786 State Rte. 96, Romulus, NY 14. Generator's Phone 607 869-1309	1541					
	5. Transporter 1 Company Name	6.	US EPA ID Number	A. Transporter's P	hone	- I-un-	- mainte
	WE CAKE TRANSPORTAT	TION		1215) 62	39	1937	
	7. Transporter 2 Company Name	ı	US EPA ID Number	B. Transporter's F	hone	<u> </u>	
	Designated Facility Name and Site Address			C. Facility's Phone	3		
	Seneca Meadows Landfill 1786 Saloman Road						
	Waterloo, NY 13165	8-4532-00	Y023 · · · · · ·	315-539-5624			
	11. Waste Shipping Name and Description	- 1111		12. Cont	ainers	13. Total	14.
				No.	Туре	Total Quantity	Unit Wt/Vol
	NON HAZARINAS C	ANTAWINGTE.	) Suil			36,24	16 A
G	b.						
GENERATO							
RA	c.			<u> </u>	· ·	* * * *	
R							
	d.		<i>i i i i i i i i i i</i>				
۱							
ı	D. Additional Descriptions for Materials Listed Above	3		E. Handling Codes	for Was	tes Listeri Ahove	<u> </u>
				<b>"</b>			
1	15. Special Handling Instructions and Additional Info	mation					
	W/ASTE APPROV	06080	9E				
	16. GENERATOR'S CERTIFICATION: 1 certify the ma	aterials described above on this manif	est are not subject to federal regulati	ons for raparting proper		-1 -4 ( ) 16 ( )	
	Printed/Typed Name		iture	Ons for reporting prope	ai uisposi	Month Day	te. Year
¥	Stephen Absolom	3	Smaller	la-		10 20	04
Ţ	17. Transporter 1 Acknowledgement of Receipt of Ma	iterials				110 000	1.54
TRANSPORTER	Printed/Typed Name	Signa	ture /////	-		Month Day	Year
Ř	<ol> <li>Transporter 2 Acknowledgement of Receipt of Ma Printed/Typed Name</li> </ol>					***************************************	
Ė		Signa	ture			Month Day	Year
FACI	19. Discrepancy Indication Space	-			- mnnv		
L T Y	20. Facility Owner or Operator: Certification of receipt	of waste materials covered by this	s manifest except as noted in Iten	n 19.			
	Printed/Typed Name	Signal	ure (	. 45	•	Month Day	Year · /

Seneca Meadows, Inc. 1786 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 M SESSLERS EXCA

Carrier: 7020 / WECARE TRANSPORTAT

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

19808

Gross: 110220LBS Tare: 37740LBS

Het: 72480LBS

Origin: 116 / SENECA

Truck: WC5756

Commenta

Wastes & Services

Quantity

BWID

BCS01 / B/R-CONTAM SOIL

36.2400 Tons

Weighmaster: CARRIE 450047

Drivers

Pj	lease print or tyle Form designed for use on elite (12-plich) typewriter.)	BWI					
(E	NON-HAZARDOUS 1. Gene	prator's US EPA ID No. Manifest Doc. N		e 1			
<b> </b>	3. Generator's Name and Malling Address	213820630 · · · · ·   \(\sigma^{\pi}\). [/] .	of				
1	Seneca Anny Depot Activity						;
	5786 State Rte. 96, Romalus, NY 14541 4. Generator's Phone ( 607 ) 869-1309						
	5. Transporter 1 Company Name	6. US EPA ID Number	A. Trar	nsporter's P		-	
	WE CARE TRANSPORTATIO	N [	1/3/	5) 61	2.9	-1537	
	7. Transporter 2 Company Name	8. US EPA ID Number	B. Tran	sporter's F			
	Designated Facility Name and Site Address	10. US EPA ID Number	C. Faci	lity's Phone	)		
	Seneca Meadows Landfill						
	1786 Saloman Road						
	Waterloo, NY 13165	8-4532-00023 · · · · · ·	315-	539-562	4		
	11. Waste Shipping Name and Description			12. Con	ainers	13. Total	14. Unit
				No.	Туре	Quantity	IoV\iW
	ALON HAZMRUOUS CONTAI	MINATED SEIL				38,41	Tal
I	G b.			• •	<u> </u>	· · · ·	<u> </u>
GENERATO							
E							
H A	A c.	Arteria yearnin i		**			
ŏ							
R				· •	.		
	d.						
	D. Additional Descriptions for Materials Listed Above				·		
					1745	tes Listed Above	
	15. Special Handling Instructions and Additional Information				***		
	W/USTE APPROVAL #						
SEASON SE							
9000000		06 <i>0805</i>					
TO THE REAL PROPERTY.							
NO STATE OF THE PARTY OF THE PA	16. GENERATOR'S CERTIFICATION: Leastly the material	prihad abova on this month - 1 1	1-47 7	4*			
	16. GENERATOR'S CERTIFICATION: I certify the materials desc Printed/Typed Name	Signature	istions for re	porling propi 7	er dispos		
V	<b>,</b> }	Sun GU	المكسور	, n.c		Month Day	Year [[]C.
T	Stephen Absolom 17. Transporter 1 Acknowledgement of Receipt of Materials				·	1 W  CK	15 / 4.3
TRANSPORTER	Printed/Typed Name	Signature				Month Day	Year
S	Bind Chi		Marie Ma				
ő	18. Transporter 2 Acknowledgement of Receipt of Materials		,				
Ë	Printed/Typed Name	Signature				Month Day	Year
R						<u> </u>	<u> </u>
	19. Discrepancy Indication Space						
F	:						
A C I	<u> </u>						
l L I T	20. Facility Owner or Operator: Certification of receipt of waste n	materials covered by this manifest except as noted in I	tem 19.	- m/uu-		na Arminia.	
Ÿ	Printed/Typed Name	. Simatura				11. 7	/
		Signature		100000000000000000000000000000000000000	2002	Mohlin (Day)	Year
Print Nee	nied by J. J. KELLER & ASSOCIATES, INC.	GENERATOR'S COPY			12-B	LS-C5 Rev.	12/98

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

Ticket: 1455694 Date: 10/25/20

Date: 10/25/2006

Time: 10:36:45 - 11:07:18

Customer: 15LMS / L W SESSLERS EXCA

Carrier: 7020 / WECARE TRANSPORTAT

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

Cust Ref: 198089

Gross: 113560LBS

Tare: 36740LBS Net: 76820LBS

Origin: 116 / SEMECA Truck: WC5756 \ Comment:

Wastes & Services

Quantity

BW 11

BCS01 / B/R-CONTAM SOIL

38,4100 Tons

Weighmaster: CARRIE 450047

Driver:

200

Ple	iase prij	of or type gned to use on ellie (12-plich) typewriter.)							
	Air Gua		Generator's US EPA ID No.	Manifest Doc. No.	. 2. Pag	e 1			
L			NY0213820830	. BW. 12	of <b>1</b>	<b>I</b>			
A		Generator's Name and Mailing Address							
	5	eneca Army Depot Activity 786 State Rte. 96, Romulus, NY 149	C/11						
	4. (	Generator's Phone (607) 869-1309	1.4T						
	5.	ransporter 1 Company Name		ID Number	A. Trai	sporter's P	hone		
		JE CARE TRANSPORTAT			131	s) 62	39 -	1937	
	7. 7	ransporter 2 Company Name	•	ID Number	B. Tran	sporter's F	hone	1 1164-1	
	9. [	Designated Facility Name and Site Address			C Faci	lity's Phone			:
		eneca Meadows Landfill	10. 25 ()	I IO MUSIDEI	O. Pac	my s mione	1		
		786 Salcman Road							
		aterloo, NY 13165	8-4532-0002	3	315	-539-562			
	11. V	Vaste Shipping Name and Description				12. Cont	.	13. Total	14. Unit
	a,					No.	Турв	Quantity	Wt/Vol
		NON HAZAKBOUS COL	UTAMADHA FFO &	ن اداری				37,70	TON
		TO THE PROPERTY CO.		TO I C					
G	b.		•					, , , , , , , , , , , , , , , , , , , ,	
GENERATO						_			
R A	c.		, , , , , , , , , , , , , , , , , , ,						
T									
R				******		A 13			
	d.					a seed a seed	ĺ		
			•	•	:				
	D. A	dditional Descriptions for Materials Listed Above			E. Hand	lling Codes	for Wasi	les Listed Above	
						_			
				4					
								.4	
	15. S	pecial Handling Instructions and Additional Informati	on						
	V	VOSTE APPROVAL #	300						
		•	06080B	•					
			06000						
			namana and an analas and a						
		ENERATOR'S CERTIFICATION: I certify the material		ot subject to federal regula	tions for re	porting prope	er disposa		te.
V	1	rinted/Typed Name <b>Cohen_Absolo</b> m	Signature	M CO	//	•		Month Day	Year
Ţ		eprent Ausorom ansporter 1 Acknowledgement of Receipt of Materia	ils		150 (Sum	<u> </u>		<u> /0 20</u>	0.6
一日本人の中の日十日日		rinted/Typed Name	Signature			•		Month Day	Year
S		15/64 U/E						<u>.   •   • </u>	1 .
OR.		ansporter 2 Acknowledgement of Receipt of Materia	1						
ER	۲	inted/Typed Name	Signature	•				Month Day ■ 1 . 1 .	Year
<u></u>	19. D	screpancy Indication Space		777					<u> </u>
F		•				par sale	in "		
ACI						profession .			
L	20 E-	collity Owner or Operator Could's				<u> </u>		7,000,000	
Ī T	20. F	cliity Owner or Operator: Certification of receipt of w	aste materials covered by this manife	est except as noted in Ite	m 10.			_	1
Ÿ	Pı	inted/Typed Name	Signature		/			Month Day	
								/// ( /-	
		J. KELLER & ASSOCIATES, INC.					/	<u>'W-E</u>	<b>I</b>
		54957-0368					12-B	LS-C5 Rev.	12/98

TRANSPORTER #2

13#57#07 - 14#84#11 Gross: 111080LBS Manual BUIL 75400LBS Tare: 36480LBS 1.0/25/2006 1455923 Profile: 20060008-15LMS / 15LMS-2006000 Meta Garriers 7880 / WECARE TRANSPORTAT Tickets Tine Date 37.7000 Tons Ocembity Driver: Cust Ref: 197609 Ph: (315) 539-5624 Fax: (315) 539-3097 Customer: 15LMS / L M SESSLERS EXCA Weighmaster: LYDIA 450104 BOSBL / B/R-CONTAM SOIL Origina 116 / SENECA Seneca Meadows, Inc. Wastes & Gervides Waterloo, NY 13165 Trucks WC5756 1786 Salcman Rd. Comments

A CONTRACTOR

톋	iase pinti or type im designed for use on este (12-prich) typewriter.)	-	-					
ľ	NON-HAZARDOUS	1. Generator's US EPA ID No	). Manifest	Doc. No. 2. Pag	e t			
L	WASTE MANIFEST	NY0213820830	1 /7/	13.				
A	3. Generator's Name and Mailing Address				7	***		
	Seneca Army Depot Activity							
	5786 State Rte. 96, Romilus, NY 3	L4541						
	5. Transporter 1 Company Name	6,	US EPA ID Number	A Tran	nsporter's P	hone		
	WE CARE TRANSPOR						-1937	
	7. Transporter 2 Company Name	8.	US EPA ID Number		sporter's F		1 1 1	
				<u> </u>				:
	9. Designated Facility Name and Site Address	10.	US EPA ID Number	C. Faci	lity's Phone	}		
	Seneca Meadows Landfill   1786 Saloman Road							
	Waterloo, NY 13165	8-4532	-00023	215-0	539-5624	•		
	11. Waste Shipping Name and Description		TRAJZ3		12. Cont		13.	14.
					No.	Type	Total Quantity	Unit Wt/Vol
	a.	The second of					2121	١.
	" NON HAZARDONS	CONTAMINA	TFU SOIL				34.34	TON
	b.					<u> </u>		
G E N	<b>.</b>							
ER								
A	c.		. ****					
Ö B								
lï	d.				• •			
				İ				
	D. Additional Descriptions for Materials Listed Abov	8		E. Hand	lling Codes	for Wast	es Listed Above	
				11,7				
	45.8				******	******		
	15. Special Handling Instructions and Additional Info							
	WASTE APPROVA	一样到完						
		060800	3					
	16. GENERATOR'S CERTIFICATION: I certify the m			al regulations for re	porling prop	ar disposa	l of Hazardous Wasi	te.
Ų	Printed/Typed Name	Sig	nature XM (	00			Month Day	Year
T	Stephen Absolom  17. Transporter 1 Acknowledgement of Receipt of Ma	utariale	<u> </u>	Meelan	<u> </u>		10/10	06
Ŕ	Printed/Typed Name		nature	•			Masth Day	
200							Month Day	Year
Ö	18. Transporter 2 Acknowledgement of Receipt of Ma	ıterials				т, не	<del>[</del>	
	Printed/Typed Name	Sign	nature				Month Day	Year
R		/ '						
	19. Discrepancy Indication Space							
F								
FACI								
	20. Facility Owner or Operator: Certification of receipt	of waste materials covered by t	his manifest except as not	ed in Item 19.				
L T Y						2		
	Printed/Typed Name	Sign	. / //	,	1111			
	i intern yper name	Jaigi	nature	1000			Month Day	~Year

Seneca Meadows, Inc. 1786 Salcman Rd.

Waterloo, NY 13165

Ph: (315) 539-5624 Fax: (315) 539-3097

1455793 Ticket:

10/25/2006 Dates

12:19:50 - 12:37:53 Time:

Customer: 15LMS / L M SESSLERS EXCA

Carrier: 7020 / WECARE TRANSPORTAT

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

Cust Ref: 198088

Gross: 105380LBS

Tare: 36700LBS

Net: 68680LBS

Origin: 116 / SEMECA

Wastes & Services

Truck: WC5756

Comment:

Quantity

BW 13

BCS01 / B/R-CONTAM SOIL

34.3400 Tons

Weighmaster: RUSS 450014

(F) (F)	ossie Smrtd	print or type (signed for unit on elite (12-pitch) typewner.)							
		NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID		ifest Doc. No.				
4	3.	Generator's Name and Mailing Address	NY0213820830 ·	_ · · · · ] 5	BW14.	of 1		·	
	4.	Seneca Army Depot Activity 5786 State Rte. 96, Romulus, NY Generator's Phone (607) 869-1309	14541						
	1	Transporter 1 Company Name WE CARE TRANSPOR	6.	US EPA ID Numbe	er	A. Transporter's		1027	
		Transporter 2 Company Name	8.	US EPA ID Numbe	3r	B. Transporter's		-1937	
	9.	Designated Facility Name and Site Address	10.	US EPA ID Numbe	· · · · ·	C. Facility's Pho	ne		
		Seneca Meadows Landfill 1786 Saloman Road Waterloo, NY 13165	ا ا						
	11	. Waste Shipping Name and Description	<u> </u>	<u>532-00023: · · · </u>	• • •	315-539-5 12. Co	524 ntainers	_13.	14. Unit
	a.					No.	Туре	Total Quantity	Wt/Vol
		NON HAZARDONS CO	NTAMINATE	o Soll				36.66	TON
GE	b.								
GENERATO	L			***************************************					
T O R	C.								
	d.	2			***************************************		·		
	D.	Additional Descriptions for Materials Listed Above		romet		E. Handling Code	s for Was	tes Listed Above	<u> </u>
	15.	. Special Handling Instructions and Additional Infon	mation				<del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>		
		WASTE APPROVAL	# 3002						
			060808	3					
	16.	GENERATOR'S CERTIFICATION: I certify the ma			federal regulat	ions for reporting pro	per dispos		
V	:	Stephen Absolom		Signature SM	Cilla	ulam		Month Day	Year OG
TRA	17.	Transporter 1 Acknowledgement of Receipt of Ma Printed/Typed Name		Signature .	)/]_			Marit 5	V
N S P	40	J.m Carey		June	ally			$1 \cdot 0 \cdot 2 \cdot 5$	104
TRANSPORTER	18.	Transporter 2 Acknowledgement of Receipt of Ma Printed/Typed Name		Signature		, ,		Month Day	Year
11	19.	Discrepancy Indication Space				**************************************			
F A C									<b>S</b>
       	20.	Facility Owner or Operator: Certification of receipt	of waste materials covered t	by this manifest except a	as noted in Iter	m 19.		WATAOOPLA	
Υ		Printed/Typed Name	3	Signature	_			thought Pay	year V.
		J. J. KELLER & ASSOCIATES, INC. NI 54957-0368					12-E	ILS-C5 Rev./	12/98

**TRANSPORTER #1** 

Seneca Meadows, Inc. 1786 Saloman Rd. Waterligo, MY 13165		Ticket: 1455608 Date: 10/25/2006
, <u>L.</u> , 24	097 	RANSPORTAT / 15LMS-2006080 / Gross: 11700LBS Tare: 36380LBS Net: 73320LBS
Wastes & Services	Guantity	#/ m2
BCS01 / B/R-CONTAIN SOIL	36.6600 Tons	

140万 1840年

Driver.

Weighmaster: CARRIE 450047

PI (F	eese print or type orm designed for use on elite (12-pitch) typewriter.)			BW15					
	NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA . NYO213820830		Manifest Doc. No.	2. Pag of 1				
4	3. Generator's Name and Malling Address Seneca Army Depot Activity 5786 State Rte. 96, Romilus, NY 4. Generator's Phone ( 607 ) 869-1305	14541		#19749	1			_	
	5. Transporter 1 Company Name  UTC CARE TRANSFORT	6.		D Number	A. Trai	nsporter's F	hone 87	-1737	·····
	7. Transporter 2 Company Name	8.   .		D Number	B. Tran	nsporter's I	Phone		
	9. Designated Facility Name and Site Address Seneca Meadows Landfill 1786 Saloman Road Waterloo, NY 13165	10.	G. Fadiny 3 Fibrie					10/94	
	11. Waste Shipping Name and Description		<u>-4532-00023</u> .		315	539-562 12. Cont		13.	14.
	a.					No.	Туре	Total Quantity	Unit Wt/Vol
	MON HELBRUCHTS	CHYVTAM	INVATES	1 STIL				31.51	FAR
GENE	b.		# 14	55927		-			
GENERATOR	C.					• •	,	• • • •	
R	d.								
	D. Additional Descriptions for Materials Listed Above				E. Hand	lling Codes	for Was	tes Listed Above	
	15. Special Handling Instructions and Additional Infor	•	**************************************						
		06080£	3						
	16 GENERATOR'S CERTIFICATION, 1 and 6 the							1914	
	16. GENERATOR'S CERTIFICATION: I certify the ma	tteriais described above of t	Signature C	Subject to federal regulati	ons for re	porting propi	er disposa	al of Hazardous Was Month Day	ite. Year
¥ T	Stephen Absolom  17. Transporter 1 Acknowledgement of Receipt of Ma	terials		MI (Ille	سويلمسي	<u> </u>		10 20	106
TRANSPORTER	Printed (Typed Name	8197 (9/2/9) PA	Signature \	10 Ohus				Month Day	Year OB
ORTE	18. Transporter 2 Acknowledgement of Receipt of Ma Printed/Typed Name	terials *	Signature					Month Day	Year
H	19. Discrepancy Indication Space	- a realistative	Victoria Report				***************************************		<u> </u>
FAC			<del>.</del>						
L	20. Facility Owner or Operator: Certification of receipt	of waste materials covere	ed by this manifest	except as noted in Item	n 19.			-	
Y	Printed/Typed Name		Signature	DUNCTO	1	\		Month Day	Year
	ed by J. J. KELLER & ASSOCIATES INC							<del></del>	Olensia i Sala

Andrew Complete Comme 13:49:27 - 14:28:23 GENERAL DE Gross: 96000LBS 309801.85 10/25/2006 TOPECONDESSE CONTRACTOR OF THE SECOND CONTRACTOR OF THE CARRIES OF Profile: 20050808-15LMS / 15LMS-2006080 1466907 Carrier: 7020 / WECARE TRANSPORTAT Tanel Tickets Time Date Gust Ref: 197499 Waterloo, NY 13165 FM: (315) 539-5624 Fax: (315) 539-3097 Customer: 151/18. / L.M SESSLEKS EXCA Origina 116 / SENECA Seneca Neadows, Inc. 1786-Saloman Rd. Truck: WC6936" Comments

32.5100 Tons

BCSQ1 / B/R-CONTAN SOIL

Washes & Bervices

**Quantity** 

Drivers

Weighmaster: LYDIA 450104

믿	oase Omn:	print or type designer, for use on elite (12-pitch) (ypewriter.)							and the second second		
Ť	2002200	NON-HAZARDOUS	1. Generator's US EPA ID	No.	Manifest Doc. No.	2. Page	1				
_		WASTE MANIFEST	MY0213820830 ·		BW ZO.	of 1					
A	\	Generator's Name and Mailing Address							1.4		
		Seneca Army Depot Activity 5786 State Rte. 96, Romulus, NY	SAEA1								
	4	Generator's Phone ( 607 ) 869-1309	THOMIT								
	_	Transporter 1 Company Name	6.	US EPA ID N	lumber	A. Trans	norter's P	hone			
		WE CARE TEHNSTOR	ATION			1315 689 -1937					
	7.	. Transporter 2 Company Name	8.	US EPA IB-N	lumber ***	B. Trans			- <u></u>		
	F	Paris de la Paris de la Companya de		· · · · ·							
	9	Designated Facility Name and Site Address Seneca Peadows Landfill	10.	US EPA ID N	lumber	C. Facilit	y's Phone	•			
		1786 Salicman Road									
		Waterloo, NY 13165	8-4	532-00023		315-	539-562	24			
	1	Waste Shipping Name and Description					12. Cont		13.	14.	
	-						No.	Туре	Total Quantity	Unit Wt/Vol	
	a.	MON HALALDOUS CO.	TALLER						35.52	- TAY	
		DON HARARDEAS CO.	OLEM WALL	- 5 m	-				550	1/0V	
G	b.		. *************************************			<u> </u>	•				
GENER R											
E	L	anno anno anno anno anno anno anno anno									
A	C.				•	-					
O R					•		. ,				
	d.		11-11-2					·			
П			*								
	Ļ					L		<u> </u>			
	D.	Additional Descriptions for Materials Listed Above				E. Handli	ng Codes	for Was	tes Listed Above		
		-									
	15	. Special Handling Instructions and Additional Inform	nation								
		WASTE APPROVAL									
		VVASIE APPROVICE		x1.5							
			06080								
	16	. GENERATOR'S CERTIFICATION: 1 certify the ma	erials described above on this	manifest are act and	signet to federal	iona for			-1-611		
		Printed/Typed Name		mannest are not sub Signature	गेवन्त १० १८१४। विद्यास	ions for repo	anisa btobe	er alsposa	al of Hazardous Wa Month Day		
¥	<u>_</u> :	Stephen Absolom	<u> </u>	S	nch	role	e.		10 20	ا سا∟	
	17	. Transporter 1 Acknowledgement of Receipt of Mat									
Ņ		Printed/Typed Name	٠	Signature		and the second		•	Month Day	Year	
P	18	. Transporter 2 Acknowledgement of Receipt of Mat	orioto		The state of the s	A SANTANA AND AND AND AND AND AND AND AND AND			<u> </u>	<u> </u>	
TRANSPORTER	-	Printed/Typed Name		ير Signature	A CONTRACTOR OF THE PARTY OF TH				Manth David	V	
R				orginatoro E.					Month Day	Year	
	19	Discrepancy Indication Space									
F											
Ċ											
Ļ	20.	Facility Owner or Operator: Certification of receipt of	of waste materials covered t	ov this manifest ex	cept as noted in Ite	m 19.					
FACILITY			//								
•		Printed/Typed Name	Man	Signature	VA	, and a second			Month Lipay	Year	
200			11/1/		1	polygogo valvi o Com		ed apparent Section	1(1/1)	<i>/</i> ·	
		y J. J. KELLER & ASSOCIATES, INC. WI 54957,0368			(/			19.R	LS-C5 Rev.	12/08	
			// GENERA	TOR'S COPY	4				,		

Seneca Meadows, Inc. 1786 Salcman Rd.

Waterloo, WY 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 TRAMSPORTAT

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

Cust Ref: 197526 Gross: 108320LBS)

Tare: 37280LBS

Het: 71040LBS

Origin: 116 / SEMECA

Trucks WC5756

Wastes & Services

Comment:

Quantity

BW 20

BCS01 / B/R-CONTAN SOIL

35.5200 Tons

Weighmaster: CARRIE 450047

Drivers

Pla (Fc	ase print or type rm designed for use on elite (12-pitch) typewriter.)	*	,						
Ť	NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID	No.	Manifest Doc. No.		e 1			
-	3. Generator's Name and Mailing Address	L-NY0213820830· ·	• • • • •	BW. Z.1.	of <u>1</u>				
	Seneca Army Depot Activity 5786 State Rte. 96, Romulus, NY 4. Generator's Phone (607) 869-1309	14541			100 mm m m m m m m m m m m m m m m m m m				
	5. Transporter 1 Company Name  VIC (AKE THANS YOUTH	6.	US EPA ID Nu	ımber t		sporter's P		-1937	
	7. Transporter 2 Company Name	8.	US EPA ID Nu	ımber		isporter's I			
	9. Designated Facility Name and Site Address Seneca Meadows Landfill 1786 Salcman Road Waterloo, NY 13165	10.	US EPA ID Nu	ımber	C. Faci	lity's Phone	9		
	11. Waste Shipping Name and Description	L-8-45	32-00020		315-		Ainers	13. _Tota!	14. Unit
	a.					No.	Type	Quantity	Wt/Vol
	NOW HAZARBOUS CAN	TAMIBUITED	5016			•	-	36,49	TON
GENER	b.					·			
HATOR	<b>c.</b>	Topoli.	- PARTIES AND A STATE OF THE ST					***·	
H			:			• •	اــنــا		
	d. , *	•	,						· .
	D. Additional Descriptions for Materials Listed Above	В			E. Hand	lling Codes	for Was	tes Listed Above	
	15. Special Handling Instructions and Additional Info	1.8	\$						
	16. GENERATOR'S CERTIFICATION: I certify the m	aterials described above on this	manifest are not subje	ect to federal regulati	ions for re	porting prop	er disposi	al of Hazardous W	
$\bigvee$	Printed/Typed Name Stephen Absolars		Signature	Ola	L	7		Month Day	/ Year
TRANSPORTER	17. Transporter 1 Acknowledgement of Receipt of Ma Printed/Typed Name		Signature		`.			Month Day	
ဥ	18. Transporter 2 Acknowledgement of Receipt of Ma	uterials	Standard Control						-11 1
T E R	Printed/Typed Name		Signature					Month Day	Year
F A C I	19. Discrepancy Indication Space								
FACILITY	20. Facility Owner or Operator: Certification of receipt	of waste materials covered	by this manifest exc	ept as noted in Iter	n 19.	· main			
ľ	Printed/Typed Name		Signature	1/1/			<del></del>	Month Dáy	(Year)

Seneca Meadows, Inc. 1786 Salcman Rd. Waterloo, NY 13165

Ph: (315) 539-5624 Fax: (315) 539-3097

Tickets

1455576

Date: 10/25/2006

Time:

08:02:46 - 09:11:45

Customer: 15LMS / L M SESSÛERS EXCA

Carrier: 7020 / WECARE TRANSPORTAT

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

Cust Ref: 205332

Gross: 110260LBS

Tare: 37280LBS

Met: 72980LBS

Origin: 116 / SEMECA

Truck: WC5757

Comment:

Wastes & Services

Quantity

BW 21

BCS01 / B/R-CONTAM SOIL

36,4900 Tons

Weighmaster: CARRIE 450047

Drivers

[ Jan 1

F (J	leas om	se pilnit or type n designed for use on ellte (12-pitch) typewriter,)								
	T	NON-HAZARDOUS 1. Gener	ator's US EPA ID No	4	anifest Doc. No	. 2. Pagi	e 1			
-	1	WASTE MANIFEST . NYO2  3. Generator's Name and Mailing Address	13820830	<u>   4</u>	3W24	of 1			nim 7 <u></u>	,,,,,,,,
ľ		Seneca Army Depot Activity								
		5786 State Rte. 95, Romulus, NY 14541 4. Generator's Phone ( 607 ) 869-1309								
		5. Transporter 1 Company Name  INE CARE TERROSPECTATION	6.	US EPA ID Num	ber	A. Tran	sporter's F	hопе Z	-1937	
		7. Transporter 2 Company Name	8.	US EPA ID Num	ber		isporter's F		1121	, ,,,,,,,,,,
	-	9. Designated Facility Name and Site Address	10.	US EPA ID Num	ber	C. Facil	lity's Phone	) <u>.</u>		
		Seneca Meadows Landfill 1786 Salcman Road								
	-	Vaterico, NY 13165	8-453	2-00023		315-	<del>-539-56</del> 2	24		
	1.	11. Waste Shipping Name and Description				İ	12. Cont	1	13. Total	14. Unit
	a	3.	,				No.	Туре	Quantity	Wt/Voi
		NON HARASUMUS CONTA	M, WATE	1 5064	<b>-</b>				36.71	Ton
0 8 7 8	t	D.	, ,,,,,							
§ F	i									
A T C	)	<b>.</b>								
F										
		· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·						
	E	Additional Descriptions for Materials Listed Above						:		
N. Control		,				с. пани	mig Codes	ior was	tes Listed Abov	e
					e de la companya de la companya de la companya de la companya de la companya de la companya de la companya de					
	1	5. Special Handling Instructions and Additional Information								
Control of the contro		WASTE OPPROVAL # 36								
	-	06	1080 B							
	16	G GENERATOR'S CERTIFICATION								
	Ë	<ol> <li>GENERATOR'S CERTIFICATION: 1 certify the materials description</li> <li>Printed/Typed Name</li> </ol>		nifest are not subject	to federal regulati	ons for rep	orting prope	r disposa		
¥	4-	Stephen Absolom		XXII	Celle	role	m		Month Da	y Year
RA		7. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name	Sign	nature						
TRANSPORTER	40	T-man-day C.Aland	3/		14 /18Y				Month Da	y Yeşr
RT	10	3. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name	Sign	nature						
R			- John John John John John John John John	iatuje					Month Da	y Year
F	19	D. Discrepancy Indication Space								
FACILITY				# 						
L	20	. Facility Owner or Operator: Certification of receipt of waste ma	terials covered by th	nis manifest except	as noted in Iten	n 19.				
Ÿ		Printed/Typed Name	Sign	ature	V//:	<del>.</del>			Month (Day	V gas
	- water still				_1( _/_	ز			161	( ) L

Jeneca Meadows, Inc. .786 Saleman Rd. Jaterloo, NY 13165

h: (315) 539-5684 Fax: (315) 539-3097

lustomer: 15LMS / L M SESSLERS EXCA

Carrier: 7020 / WECARE TRANSPORTAT

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

Tickets

Date:

Time:

198016

Gross: 110620LBS Tare: 37200LBS

1455689

Net: 73420LBS

Wastes & Services

Truck: WC5757

Comment:

Origin: 116 / SENECA

Quantity

BW 24

10/25/2006

10:22:05 - 11:403:51

BCS01 / B/R-CONTAM SOIL

36.7100 Tons

Weighmaster: CARRIE 450047

F (I	lea: om	se print or type n designed for use on allta (12-piloh) typewriter.)							500000		
	ı	NON-HAZARDOUS	1. Generator's US EPA ID No.	Manifest Doc. N	lo. 2. Pag						
L		WASTE MANIFEST	. HY0213820830	. BWZS	of J						
	N	Generator's Name and Mailing Address     Seneca Army Depot Activity									
		5786 State Rte. 96, Romulus, NY	14541								
		<ol> <li>Generator's Phone (607) 859-1309</li> </ol>	•								
		5. Transporter 1 Company Name	, 6. US E	PA ID Number	A. Transporter's Phone						
		INE CARE TRANSPORT						-193	フ		
		7. Transporter 2 Company Name	8. US EI	PA ID Number	B. Tran	sporter's I	Phone				
	-	0. Designated Forth M.									
		Designated Facility Name and Site Address     Seneca Meadows Landfill	10. US EF	A ID Number	C. Fac	lity's Phone	e				
		1786 Saloman Road									
		Waterloo, NY 13165	8-4532-000	23,	315	-539-56	24				
	-	11. Waste Shipping Name and Description		• • • • • • • • • • • • • • • • • • • •		12. Cont		13.	14.		
	L					No.	Type	Total Quantity	Unit		
	4	a.					1 .7F-	dountry	770 70,		
		AWAI HAZARASE						34,82	5 -		
	<b> </b>	MON MAZARDONS	DMINNING (P)	<u> 5016</u>			<u>                                     </u>	· · · · · · · · · · · · · · · · ·	. Tan		
E NE		o.				•					
E											
A	-		The second secon		···	• •	<del>  `  </del>				
TOR											
Ä											
	d	i.			-	-	1	····			
ı		•						**			
	F	A J-Itat					Ŀ		.		
	-	<ol> <li>Additional Descriptions for Materials Listed Above</li> </ol>			E. Hand	ling Codes	for Was	tes Listed Abo	νe		
۱											
	1	5. Special Handling Instructions and Additional Inform	nation		<u> </u>			***************************************			
1		WASTE APPROVAL t	1 20/27						İ		
		VV 1312 Affine									
l			C6080B								
								•			
l											
	-	S GENERATOR'S OFFICE									
l		<ol> <li>GENERATOR'S CERTIFICATION: I certify the male Printed/Typed Name</li> </ol>		not subject to federal regula	ations for rep	orting prope	er disposa	l of Hazardous	Waste.		
¥		Stephen Absolom	Signature	ZM Cal	/			1	Day Year		
	17	7. Transporter 1 Acknowledgement of Receipt of Mat	erials	<del>r Cesa</del>	<u> </u>	97/12	***************************************	<u> </u>	20 06		
TRANSPORTER		Printed/Typed Name	Signature		· · · · · · · · · · · · · · · · · · ·	*****		Month L	Day V-		
S								Month L	Day Year		
ģ	18	3. Transporter 2 Acknowledgement of Receipt of Mat-	erials								
T		Printed/Typed Name	Signature				. ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Month L	Day Year		
R	- د	) Diagram I I				***		<u></u> .	<u> </u>		
	18	B. Discrepancy Indication Space					_				
FAC											
Ĉ											
Ļ	20	. Facility Owner or Operator: Certification of receipt of	) waste materials covered by this mani	fest except as noted in the				,, <u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>			
1		//	7	encept de noteu III ((	vill 13.						
Y		Printed/Typed Name	Signature	// /	,			Month S	Day/ Year		
5000	(October		YV/					(1-4)	7/		
int	ed :	by J. J. KELLER & ASSOCIATES, INC.					JA -	0.5	71		
<b>JD</b>	an,	ŴI 54957-0368	GENERATOR'S	ЮРУ			12-BI	_S-C5 Re	v. 12/98		
				·	***************			www.come.com			

eca Meadows, Inc. 5 Salcman Rd.

erloo, NY 13165

(315) 539-5624 Fax: (315) 539-3097

Ticket: 1455795

Date: 10/25/2006

Time: 12:10:03 - 12:39:51

tomer: 15LMS / L M SESSLERS EXCA

Carrier: 7020 / WECARE TRANSPORTAT

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

Cust Refs 198080

Gross: 106300LBS

Tare: 36600LBS

Net: 69700LBS

rigin: 116 / SENECA

Truck: WC5757

mment:

Wastes & Services

Quantity

BWZS

BCS01 / B/R-CONTAM SOIL

34.8500 Tons

ighmaster: RUSS 450014

Drivers

Dongliser

1 1	ise print or type m designed for use on eilte (12-pitch) typewriter.)								
	NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID . NY0213820830 .	No.	Manifest Doc. No.	2. Pag				**************************************
	3. Generator's Name and Mailing Address Seneca Army Depot Activity 5786 State Rte. 96, Romalus, NY 4. Generator's Phone (607) 869-1309	14541	· , , , , , , , , , , , , , , , , , , ,	100000					
	5. Transporter 1 Company Name  MC CARE TRANSPORTA	6.	US EPA ID		A. Tran	nsporter's i	Phone		
	7. Transporter 2 Company Name	8. [	US EPA ID	Number	<u>رز )</u> B. Trar	<u>(シ) と</u> nsporter's	Phone	-193	<u>/_</u>
	Designated Facility Name and Site Address     Seneca Feadows Landfill     1786 Salcman Road	10.	US EPA ID	Number	C. Faci	lity's Phon	е		<u> </u>
	Vaterloo, NY 13165	8-49	532-00023.		315-	-539-56			
	11. Waste Shipping Name and Description					12. Con No.	tainers Type	13. Total Quantity	,
	ALONI HAZARUOUS CO	ONTOM INHTO	<i>E</i> 0 ≤	016				36.58	3
	b.	7		<u>r</u>					
-	С.			, or <u>a </u>		,			-
•	d.	1,0000000000000000000000000000000000000		· ·		ź			
E	D. Additional Descriptions for Materials Listed Above	]		7	E. Hand	ing Codes	for Was	tes Listed Above	
			1,000			***************************************	***************************************		
1	15. Special Handling Instructions and Additional Infon								
	WASTE APPROIDE	# 3500 060805	manifest are not extend	bloot to fodowl					
199414 - 10741MIII	IG. GENERATOR'S CERTIFICATION: I certify the ma	terials described above on this	manifest are not su Signature	bject to federal regulation	ons for re	oorling prop	er disposa	Month Da	iy .
1	WASTE APPROVAL	terials described above on this	manifest are not su Signature	bject to federal regulation	ons for rej	porting prop	er disposa	Month Da	iy .
1	IN A STE A PROYOL :  16. GENERATOR'S CERTIFICATION: 1 certify the ma  Printed/Typed Name  Stephen Absolom	terials described above on this	manifest are not su Signature	bject to federal regulation	ons for rej	porting prop	er disposa	Month Da	o I
1	16. GENERATOR'S CERTIFICATION: I certify the material Printed/Typed Name  Stephen Absolom  17. Transporter 1 Acknowledgement of Receipt of Material Printed/Typed Name  18. Transporter 2 Acknowledgement of Receipt of Material Printed/Typed Name	terials described above on this described above on the serials	Signature //	bject to federal regulation	ons for rej	porting prop	er disposa	Month Da	o I
1	IG. GENERATOR'S CERTIFICATION: I certify the ma Printed/Typed Name  Stephen Absolom  17. Transporter 1 Acknowledgement of Receipt of Ma Printed/Typed Name	terials  erials	Signature //	bject to federal regulation	ons for rep	porting prop	er disposa	Month Da	ny 0   ny
1	16. GENERATOR'S CERTIFICATION: I certify the material Printed/Typed Name  Stephen Absolom  17. Transporter 1 Acknowledgement of Receipt of Material Printed/Typed Name  18. Transporter 2 Acknowledgement of Receipt of Material Printed/Typed Name	terials  erials	Signature Signature	bject to federal regulation	-lo-	porting prop	er disposa	Month Da	ny 0   ny
1	16. GENERATOR'S CERTIFICATION: 1 certify the material Printed/Typed Name  Stephen Absolon  17. Transporter 1 Acknowledgement of Receipt of Material Printed/Typed Name  18. Transporter 2 Acknowledgement of Receipt of Material Printed/Typed Name	terials described above on this lerials	Signature Signature	bject to federal regulation		porting prop	er disposi	Month Da	ny 0   ny

**GENERATOR'S COPY** 

Seneca Meadows, Inc. 1786 Saleman Rd.

Waterloo, WY 13165

Ph: (315) 539-5624 Fax: (315) 539-3097

Tickets 1455938

Dates 10/25/2006

Time: 14:01:48 - 14:36:50

Customer: 15LMS / L M SESSLERS EXCA

Carrier: 7020 / WECARE TRAMSPORTAT

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

Cust Ref: 198079

Gross: 109840LBS 7

Tare: 36680LBS

Net: 73160LBS

Origins 116 / SENECA Truck: WC5757

Wastes & Services

Comments

Quantity

Bw 26

BCS01 / B/R-CONTAM SOIL

36.5800 Tons

Weighmaster: LYDIA 450104

Drivers

1	Tut For	ee print of type In designed for use on sists (12 ptdn) typewitter )									
		NON-HAZARDOUS WASTE MANIFEST	1. Generator's US NYO2138208	S EPA ID No. 830	Man	ifest Doc. No.	2. Page 1				
	A	3. Generator's Name and Mailing Address Seneca Army Depot Activity 5786 State Rte. 96, Romulus, NY 1 4. Generator's Phone (607) 869-1309	4541		<u> </u>	'V UT	UI da	<u> </u>	<del>,,,,,</del>		
		5. Transporter 1 Company Name  WE GRE TRANSPORIA  7. Transporter 2 Company Name	TIDN	<u> </u>	EPA ID Numbe		A. Transp <u>く</u> ろ/ S	<u>، ن</u>	589	-193	7
		Designated Facility Name and Site Address     Seneca Neadows Landfill     1786 Salcman Road		<u> </u>	EPA ID Numbe		B. Transp  C. Facility			11.	
		Waterloo, NY 13165  11. Waste Shipping Name and Description		.8-4532-00	0023		315-53	39-56 2. Con		13.	14.
	-	а.						No.	Туре	Total Quantity	Unit Wt/Vol
G		NON HAZARDONS CO.	NTAMIN	14TED	SOIL			• •		38.5	Z ron
GENERATO		<u>.</u>								• • •	•
o R		l			. 14 , 4.						·
	C	Additional Descriptions for Materials Listed Above				E	E. Handiing	Codes	· for Wast	es Listed Abov	
		- Address									
	1	5. Special Handling Instructions and Additional Information								<del>"</del> ,	
		WASTE APPROVAL # 30	808								
		CEMEDITONIO	i.							·	n
	-11	<ol> <li>GENERATOR'S CERTIFICATION: I certify the mater Printed/Typed Name</li> </ol>	ials described above	on this manifest a	re not subject to fe	ederal regulation	ns for reporting	ng prope	r disposal		
¥ -	17	Stephen Absolom			31M	UL	arton	en		Month Da	ay Year
TRANSPORTER		Transporter 1 Acknowledgement of Receipt of Materia Printed/Typed Name Tim Cq/e>		Signature	Jim C	elli	1/			Month De	y - Yell
R T E R	18	. Transporter 2 Acknowledgement of Receipt of Materi Printed/Typed Name	als	Signature	0	/				Month Da	iy Year
<del></del> }	19	. Discrepancy Indication Space				, , , , , , , , , , , , , , , , , , ,		;···		<u> </u>	
	20	Facility Owner or Operator: Certification of receipt of v	vaste materials co		nifest except as	noted in Item	19.			·	
		A Times I ypes Name		Signature	YLLY	X C				Month Day	500

Ticket: 1455530 Date: 10/25/2006 Time: 07:45:33 - 08524:	TRANSPORTAT 7.15LMS-2006080 Gross: 113860LBS Tare: 36820LBS Met: 77040LBS	BW 28"	
	Carrier: Z020 / WECARE TRANSPORTAT Profile: 2006080B-15LMS / 15LMS-2006080 Cust Ref: 196081 Tare: 3668	Quantity	38.5200 Tons
Seneca Meadows, Inc. 1786 Salcman Rd. Waterico, NY 13165 Phr (315) 539—5624 Fax: (315) 539—3097	Customers 15LMS / L M SESSLERS EXCA Origins 116 / SEMECA Trucks WC3710	Wastes & Services	BCSBI Z BZR-CONTAM SDIL

A CHARMAN

Weighmaster: GARFIE 458647

...Driver:

Æ	and print or type nrm designed for use on eithe (12-pitch) typewriter.)									
Γ	NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EP		Manifest Doc. No.	2. Page	∍ 1				
	Generator's Name and Mailing Address	NY0213820830		101/27	1					
	Seneca Army Depot Activity 5786 State Rte. 96, Romulus, NY 4. Generator's Phone ( 607 ) 869-1309	14541	y.							
	5. Transporter 1 Company Name WE CARE TRANSPORT	6.	US EPA ID	Number	l -	sporter's P		15=	5 <del></del> )	
	7. Transporter 2 Company Name	Number	(3/5) 689 - 1937 B. Transporter's Phone							
	Designated Facility Name and Site Address	Number	C. Faci	lity's Phone	)					
Seneca Meadows Landfill 1786 Saloman Road										
	Waterloo, NY 13165		3-4532-00023		_315,	-539-56	24			
	11. Waste Shipping Name and Description					12. Conf		13. Total		14. Unit
	a.					No.	Туре	Quantity	<u>'</u>	Wt/Vol
	NON HAZARDONS C	ON TAMIN	ATED S	5012	ı		•	37,1	7	TON
Ģ	b.			***************************************				<u> </u>		
ENER										
R A T	C.		THEORY			<u>t</u>				
o R										
	d.	***************************************	MINERAL TOTAL CONTRACTOR OF THE CONTRACTOR OF TH				<u> </u>		-	
				,					ĺ	
	D. Additional Descriptions for Materials Listed Above					ion Coden	<u> </u>	tes Listed Ab	<u>.                                    </u>	
	D. Additional Descriptions for Materials Listed Above									Ē
			any a							
	15. Special Handling Instructions and Additional Inform		a and an							STATE OF THE STATE
	WHISTE APPROVAL #5	<b>1</b>	sull/sur						·	
	WHISTE APPROVAL #5									
	WHISTE APPROVAL #5	<b>1</b>								
	WHOTE APPROVACES	5080B	this manifest are not so	John Topics to federal secular	ions for re	potlina proce	pr dienoc	al of Hazardon	o Minet	
	WHISTE APPROVAL #5	5080B	this manifest are not su	ubject to federal regulati	ions for re	porting prope	er disposa	al of Hazardou Month	s Waste	). Year
D-1 <	M/4 STE APPROVACES  OC  16. GENERATOR'S CERTIFICATION: I certify the materials	SOSO G		ubject to federal regulati	ions for re	porting prop	er dispos	Month	Day	9
ZDD-1 <	16. GENERATOR'S CERTIFICATION: I certify the met Printed/Typed Name  Stephen Absolum  17. Transporter 1 Acknowledgement of Receipt of Mat Printed/Typed Name	SOSO G		ubject to federal regulati	ions for re	porting prop	er dispos:	Month	Day	Year
<b>→ - E &lt;</b>	16. GENERATOR'S CERTIFICATION: I certify the material Printed/Typed Name  Stephen Absolum  17. Transporter 1 Acknowledgement of Receipt of Material Printed/Typed Name  DOB W. 171 at 18, 11	SOSO G  derials described above on erials	Signature	ubject to federal regulati	ions for re	low	er disposa	Month   / U   Z	<sub>Day</sub>	<sup>Year</sup> 06
n-modwz>m- ←	16. GENERATOR'S CERTIFICATION: I certify the met Printed/Typed Name  Stephen Absolum  17. Transporter 1 Acknowledgement of Receipt of Mat Printed/Typed Name	SOSO G  derials described above on erials	Signature	ubject to federal regulation	ions for re	Com	er disposa	Month / / / /	<sub>Day</sub>	<sup>Year</sup> 06
コホーコウロのストコー <	16. GENERATOR'S CERTIFICATION: I certify the material Printed/Typed Name  Stephen: Absolon: 17. Transporter 1 Acknowledgement of Receipt of Material Printed/Typed Name  18. Transporter 2 Acknowledgement of Receipt of Material Printed/Typed Name	SOSO G  derials described above on erials	Signature Signature	ubject to federal regulation	ions for re	Com	er dispos	Month  /O     Month  /O	Day ZO Day ZS	Year 66 Year
→ → FEAZODOUTHE FAC-	16. GENERATOR'S CERTIFICATION: I certify the material Printed/Typed Name  Stephen Absolon: 17. Transporter 1 Acknowledgement of Receipt of Material Printed/Typed Name  DOB W. 111 Charles 118. Transporter 2 Acknowledgement of Receipt of Material Printed/Typed Name	SOSO G  derials described above on erials	Signature Signature	ubject to federal regulation	ions for re	orting prop	er disposa	Month  /O     Month  /O	Day ZO Day ZS	Year 66 Year
FACI	16. GENERATOR'S CERTIFICATION: I certify the material Printed/Typed Name  Stephen: Absolon: 17. Transporter 1 Acknowledgement of Receipt of Material Printed/Typed Name  18. Transporter 2 Acknowledgement of Receipt of Material Printed/Typed Name	SOSO 6  Ierials described above on erials  erials	Signature Signature Signature	mGG e me	20	Com	er dispos	Month  /O     Month  /O	Day ZO Day ZS	Year 66 Year
	16. GENERATOR'S CERTIFICATION: I certify the material Printed/Typed Name  Stephen Absolute 17. Transporter 1 Acknowledgement of Receipt of Material Printed/Typed Name  18. Transporter 2 Acknowledgement of Receipt of Material Printed/Typed Name  19. Discrepancy Indication Space	SOSO 6  Ierials described above on erials  erials	Signature Signature Signature	mGG e me	20	Com	er disposa	Month   / O       Month   / O     Month   .	Day ZO Day ZS	Year 66 Year

Seneca Meadows, Inc. 1786 Saleman Rd. Waterloo, MY 13165

Ph: (315) 539-5624 Fax: (315) 539-3097

Ticket: Date:

1455974 10/25/2006

Times

14:30:07 - 15:02:00

Customer: 15LMS / L M SESSLERS EXCA

Carrier: 7020 / WECARE TRANSPORTAT

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

Cust Ref: 197503

Gross: 107900LBS

Tares 33560LBS 74340L0S Net:

Origin: 116 / SENECA Truck: WC6934

Connent:

Wastes & Services

Quantity

BCS01 / B/R-CONTAM SOIL

37.1700 Tons

Weighmaster: LYDIA 450104

D.	iase nant or type / orm Lesigned for use on elife (12-pitch) typewriter.)		BWIL B	ľ.				
٣	NON HAZADDOUG			<u>                                     </u>		Addresses.	<b></b>	
	NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No.	Manifest Doc. No.		e1			
	Generator's Name and Mailing Address	NY0213820830 · · · · ·	18W16	of 1				
4								
	Seneca Army Depot Activity							
	5786 State Rtc. 96, Romilus, NY 1 4. Generator's Phone (607) 869-1309	4541						
	5. Transporter 1 Company Name							
	WE CARE TERMS YOU	6. US EPA ID I	Vumber	A. Trai	sporter's P	hone		
	VVC CARCO TERMOPOR			130	5) 6,	81	-1937	
	7. Transporter 2 Company Name	8. US EPA ID I	Number	B. Trar	nsporter's F	hone	··· ,	
	9. Designated Facility Name and Site Address	10. US EPA ID 1	Vumber	C. Faci	lity's Phone	•		
	Seneca Meadows Landfill					=		
	1786 Saloman Road			1				
	Waterloo, NY 13165	8-4532-00023		23.5	<b></b>			
	11. Waste Shipping Name and Description	TO GLOVERUS		-ئاكسا	530-562 12. Cont	ainers	13.	14.
	The state of the s					1	Total	Unit
	a.				No.	Type	Quantity	Wt/Vol
		است استان المستعدد المستعدد المستعدد المستعدد المستعدد المستعدد المستعدد المستعدد المستعدد المستعدد المستعدد ا					110.00	J
	MAN HALLKSONS S	DNIANIMATE U.S.	216				40,50	100
		7.74					• • • •	
GENERATO	b.		•		-			
N								
R						·		
A	<b>c.</b>	•						
Įġ								1
R	***************************************							
	d.	*	•				** ***	
	-							
						i . i		
	D. Additional Descriptions for Materials Listed Above			E. Hand	ling Codes	for Was	tes Listed Above	1.
							201227.0000	
		BATT SAIR					_	
	15. Special Handling Instructions and Additional Inform							
	VIVASTE APPROVAL	# <del>3552</del>						
		063806						
	16 CENEDATORIO CERTIFICATION							
Name of the last	16. GENERATOR'S CERTIFICATION: 1 certify the mat Printed/Typed Name		oject to federal regulati	ions for re	porting prope	er dispos	al of Hazardous Wasi	te.
1		Signature	2/1	1	1		Month Day	Year
7	Stephen Absolan		11, Celle	- بي المستنبد	m_		10 20	CG
R	17. Transporter 1 Acknowledgement of Receipt of Mate	erials	11					
A	Printed/Typed Name	Signature	6				Month Day	Year
S			MILISW				10 26	106
-RAZSPORT-ER	18. Transporter 2 Acknowledgement of Receipt of Mate	erials J'	$I^{\vee}$ —				165	
Ï	Printed/Typed Name	Signature	1				Month Day	Year
Ř							[ • ] •	.
distribution of the control of the c	19. Discrepancy Indication Space				***************************************		·	-
1	•				Ÿ			
FA								
Ç								
FAC-L-	20. Facility Owner or Operator: Certification of receipt of	if waste materials sourced by this marks a	voont ont- :: '	40				
+	· · · · · · · · · · · · · · · · · · ·	n waste materials covered by this manifest ex	cept as noted in Iter	n 19.	$\mathcal{L}$			
T Y	Printed/Typed Name		<i>//</i>		<del>/ / _</del>			,
	i ninew i yped ivame	Signature	11/10	1/4 /	ward of the same o		Month (ay)	Year
		/	1 14	and the second	<del></del>		1.4	ľ·ľ

er and an analysis of the second seco

Seneca Meadows, Inc. 1786 Saleman 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: 2006080B-15LMS / 15LMS-2006080

Cust Ref: 198095

Gross: 117920LBS

Tare: 36860LBS

Net: 81060LBS

Origin: 116 / SENECA

Wastes & Services

Truck: WC5757

Comment:

Quantity

BCSØ1 / B/R-CONTAM SOIL

-;

40.5300 Tons

Weighmaster: LYDIA 450104

P) (F	Please print or type. (Form designed for use on elite (12-pilch) typewriter.)		,					
Γ	NON-HAZARDOUS	1. Generator's US EPA ID	1,1	lanifest Doc. No	1 -			
	WASTE MANIFEST   3. Generator's Name and Mailing Address	NY0213820830	<u>   4</u>	3.64.2.3	of		1 miles - mrs	
11	Seneca Army Depot Activity							
	5786 State Rte. 96, Romulus, 4. Generator's Phone (607) 859-1	HY 14541						
	5. Transporter 1 Company Name			****				
	MECALE TRANSPOR	ETATION/	US EPA ID Nun	ber	A. Transpor		-1937	
	7. Transporter 2 Company Name	8.	US EPA ID Num	ber	B. Transpor			
	C. Davis La F. W.							
	Designated Facility Name and Site Address     Seneca Meadows LandFill	10.	US EPA ID Num	ber	C. Facility's	Phone		
	1786 Saloman Road							
	Waterloo, NY 13165	8-49	32-00023		315-539	-5624		
	11. Waste Shipping Name and Description				12.	Containers	13. Total	14. Unit
	a.	- maranisma				No. Type	Quantity	Wt/Vol
	1 1 TT						40.28	
	NON HAZERDONS	CONTAMINA	TEU SOL	1			10:20	Tay
GШ	G   b. E				-			
GENER	N I							
ATO	A c.						· · · · · · · · · · · · · · · · · · ·	
Ö								
ï	d.					<u> </u>		
		, ,						
							·	
ı	D. Additional Descriptions for Materials Listed	Above		-	E. Handling (	Codes for Was	tes Listed Above	
۱								
l								
	15. Special Handling Instructions and Additional	Information			*******			
l	MASTE APPROVAL							
	VIII - 21 - ATPROTAL							
l		06080 3						
	16. GENERATOR'S CERTIFICATION: I certify t	he materials described above on this	manifest are not subject	to federal regulat	ions for reportin	g proper dispos	al of Hazardous Wa	ste.
╽	Printed/Typed Name		Signature	dill	0		Month Day	Year
Ţ	Stephen Absolom 17. Transporter 1 Acknowledgement of Receipt (	of Materials		icus	otom		1020	106
TRANSPORTER	Printed/Typed Name	100000	Signature	1 de Char		<del></del> .	Month Nev	y de la
SP			<u> </u>	1991			10 70	
Ř	18. Transporter 2 Acknowledgement of Receipt of Printed/Typed Name		Name at the state of the state	-			7.01	
Ē	- The Little	\ \frac{3}{2}	Signature V				Month Day	Year
	19. Discrepancy Indication Space	Į.		***************************************				
F	1							
Ĉ								
FAC-LI	20. Facility Owner or Operator: Certification of re-	ceipt of waste materials covered h	v this manifest excent	as noted in Iter	n 19			
֡֝֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֡֓֓֓֡֓֓֡֓֓֓֡֓						1	-	ابرا
•	Printed/Typed Name	S	ignature			/	/Month Pay	/Year
	•		/_/	· ·			\\ (W)	
rink een	iled by J. J. KELLER & ASSOCIATES, INC. onah, WI 54957-0368	*		Corp At Assessed		12-B	LS-C5 Rev.	12/98
		GENERAT	TOR/S/COPY	and the same of th				

eca Meadows, Inc. 6 Saleman Rd.

erloo, NY 13165

(315) 539-5624 Fax: (315) 539-3097

Ticket: 1456358

Date: 10/26/2006

10:42:29 - 11:01:00 Time:

tomer: 15LMS / L M SESSLERS EXCA

Carrier: 7020 / WECARE TRANSPORTAT

Profile: 20060808-15LMS / 15LMS-2006080

Cust Ref: 198078

Gross: 117320LBS

Tare: 36760LBS

Net: 80560LBS

ament: Vastes & Services

Truck: WC5757

rigin: 116 / SENECA

Quantity

From: PAR

40.2800 Tons

Shipped:

Street:

Citv:

DESCRIP

	Plea For	ase print or type m designed for use on elite (12-pitch) typewriter.)								
		NON-HAZARDOUS	1. Generator's US E		Manifest Doc. N	o. 2. Page	1			
+	_	WASTE MANIFEST  3. Generator's Name and Mailing Address	NY021382083	<u>0</u>	· 13W27.	of 1				
	A I	Seneca Army Depot Activity								
		5786 State Rte. 96. Romities MY	14541							
	l	4. Generators Phone ( 607 ) 869-1309								
	П	5. Transporter 1 Company Name	6,	US EPA	ID Number	А. Тгал	sporter's F	hone		· · · · · · · · · · · · · · · · · · ·
		WE CAKE TRANSPORTAT	1014	<u> </u>	· · · · · ·				-1737	
	П	7. Transporter 2 Company Name	8.	US EPA	ID Number	B. Trans	sporter's	Phone		
		9. Designated Facility Name and Site Address	10		173.1					
		Seneca Meadows Landfill	IU	. US EPA	ID Number	C. Facili	ity's Phon	8		
		1786 Saloman Road								
		Waterloo, NY 13165		8-4532-00023		215	539 <b>-</b> 562	<b>7</b> #		
		11. Waste Shipping Name and Description				J 313-	12. Con		13.	14.
	-						No.	Туре	Total Quantity	Unit Wt/Vol
		a.			•				711	
		HON HAZDRUDUS	CONTENT	AMO TE E.					38,14	TOA
	 	b.	,	10.47	<u> </u>	·	• •	ļ. ·	• • • •	1 4-3.14
1										
ļ						-		.		
4		c		7,2						
/ C F	2									
l	⊢	d.					· · ·	<u> </u>		
		•••	i	<i>t</i>			·· †*			
		<ul> <li>Additional Descriptions for Materials Listed Above</li> </ul>				F. Handli	na Codes	for Meet	es Listed Above	
							9 00000	(OI TVEST	sa cisico Above	
	L									
١	ľ	<ol><li>Special Handling Instructions and Additional Inform</li></ol>	nation		7810	L	******	<del></del>	**************************************	
		INASTE APPROVAL # 3	262							
			6080 J							
١	Ì		CAGO D							
ļ										
١										
l	1	6) GENERATOR'S CERTIFICATION: 1 certify the mat	erials described above or	this manifest are no	t subject to federal regular		. 21			
l	•	i integri yped ivalite		Signature ~	7 /	7 .	oung brobe	il disposal		8
٧	-	Stephen Absolom			Mak	and the same	/ ~~ :		Month Day	Year CG
Ķ	1	7. Transporter 1 Acknowledgement of Receipt of Mate	erials			`		**************************************	1/6/12/0	100
Ň		Printed/Typed Name		Signature		نده برس ارا		70.0	Month Day	Year
TRANSPORTER	1.	8. Transporter 2 Acknowledgement of Receipt of Mate			10011	1 July				·
Ř	H	Printed/Typed Name	ITAIS	Pienel	<del>500 70</del>	- ·····				
R				Signature				1	Month Day	Year
	1!	9. Discrepancy Indication Space	*	<u> </u>					12400	1
F										
FAC										
Ī	00	) F								
ī	21	<ol><li>Facility Owner or Operator: Certification of receipt or</li></ol>	f waste materials cove	red by this manifes	t except as noted in Iter	n 19.			-	
Ÿ		Printed/Typed Name		ei==	1/				15/11	/ ,
				Signature	1 )//~	1			Nonth Day	Year i
101	od I	DYJ. J'KELLER & ASSOCIATES, INC.		1		<b>J</b>			<u> ト</u>	<u>v.                                    </u>
ei	ah	WI 54957-0368	<u></u>			1		12-BL	S-C5 Rev. 1	2/98
1928	ne.		GENE	RATOR'S CO	PY U			-		

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: 2006080B-15LMS / 15LMS-2006080

Cust Ref: 198077

Gross: 114220LBS

Tare: 36740LBS

Net: 77480LB5

Origin: 116 / SENECA

Truck: WC5757

Cooment:

Wastes & Services

Quantity

Bw 27

BCS01 / B/R-CONTAM SOIL

38.7400 Tons

Weighmaster: CARRIE 450047

Drivers

Doug ( 15a-

먇	ease print or type orm designed for use on elite (12-pltch) typewriter.)								
	NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. NYO213820830	Manifest Doc. No.	. 2. Pag	e 1				200,000
A	3. Generator's Name and Mailing Address Seneca Array Depot Activity	.NIOZISOEOGSO	. 50.20.	01,1			<u>,</u>		
	5786 State Rte. 96, Romilus, NY 3 4. Generator's Phone ( 607 ) 869-1309	14541							
	5. Transporter 1 Company Name WE CARE TRANSPORTS		ID Number	A. Trai	nsporter's P	hone	-19	37	
	7. Transporter 2 Company Name		ID Number	B. Trai	nsporter's F	hone		r	
	Designated Facility Name and Site Address     Seneca Feadows Landfill     1786 Salonan Road	10. US EPA	ID Number	C. Fac	ility's Phone	•			
	Waterloo, NY 13165	8-4532-00023		315	-539-562				
	11. Waste Shipping Name and Description				12. Cont No.	ainers Type	13. Total Quantit	y \	U Wt
	AMAI HAZAKUSUS G	ONTEN, WATER	5016				39,0	5	7
GENER					· .		<u> </u>		_
=	C,								_
֚֚֡֝֝֝֝֜֝֜֝֝֝֟֝֝֝֜֝֡֡֜֝֝֡֓֜֜֜֜֜֜֡֡֓֜֜֜֡֡֡֜֜֜֡֡֡֡֡֓֜֜֡֡֡֡֡֡֡֡		:				+		.	
	d.								_
	D. Additional Descriptions for Materials Listed Above								
	15. Special Handling Instructions and Additional Infon  1月はSTE ハヤパルリッパし ザ 近				700 00				
		-080C						`	
	16. GENERATOR'S CERTIFICATION: I certify the ma	nterials described above on this manifest are n	of subject to federal regula	tions for re	porting prope	er disposi	al of Hazardo	us Waste	_
	Printed/Typed Name	Signature	10100	7	0	*****	Month	Day	1
	Stephen Absolom  17. Transporter 1 Acknowledgement of Receipt of Ma	terials	muja ak	-20-	Com		10	2.0	ć
	Printed/Typed Name	Signature	North May	. ".	***		Month	Day	0
)	18. Transporter 2 Acknowledgement of Receipt of Ma	terials		******		· · · · · · · · · · · · · · · · · · ·		\$\$ <i>7</i> _1	==
	Printed/Typed Name	Signature	16		A Secretary of the Secr	. **	Month .	Day ·	ì
:	19. Discrepancy Indication Space			A STATE OF THE STA	<del>"</del>		**************************************		
	20. Facility Owner or Operator: Certification of receipt	of waste materials covered by this manife	st except as noted in Ite	em 19.					_
•	Printed/Typed Name	Signature					Mpnth /	Ŋ?	
8	ed by 1. J, KELLER & ASSOCIATES, INC. harl, WI 54957-0368	GENERATOR'S C	ОРУ			12.5			# 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Seneca Meadows, Inc. 1786 Saleman 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: 2006080B-15LMS / 15LMS-2006080

Cust Ref: 198094

Gross: 114800LBS

Tare: 36700LBS

Net: 78100LBS

Comment: Wastes & Services

Origin: 116 / SENECA

Truck: WC5757

Quantity

. (

BCS01 / B/R-CONTAM SOIL

39.0500 Tons

Weighmaster: CARRIE 450047

Ple (Fo	ase print or type mi designed for use on ellie (12-plich) typewriter.)								
	NON-HAZARDOUS 1. Generator's U	IS EPA ID No.	Manifest Doc. No.	. 2. Pag	e 1		- 196 - 196		
A	Generator's Name and Mailing Address		1,310,311.	1-1-					
	Seneca Army Depot Activity 5786 State Rte. 96, Roculus, NY 14541 4. Generator's Phone 607 869-1309								
	5. Transporter 1 Company Name  1. TRANSPORT TRANSPORTATION	6. US EPA ID N	lumber	A. Trar	nsporter's P		- 1937	7	
	7. Transporter 2 Company Name	er's Phone							
	9. Designated Facility Name and Site Address 10. US EPA ID Number C. Facility's Phone								
	Seneca Meadows Landfill 1786 Saloman Road	Saloman Road							
	Materloo, NY 13165	8-4532-00023	• • • •	315-5	39-5624				
	11. Waste Shipping Name and Description				12. Cont No.	ainers Type	13, Total Quantity	14. Unit Wt/Val	
	NORT MAZARDOMS CONTAI	WINATEN	5011				33,72	- 18.1	
GE	b.	<u> </u>							
GENERATO						.			
T O R	C.								
Î	d.						· · ·		
				ı					
	D. Additional Descriptions for Materials Listed Above			E. Hand	ling Codes	for Wast	es Listed Above		
	15. Special Handling Instructions and Additional Information								
	WASTE APPROVAL # 300								
	<i>960</i>	80U							
	16. GENERATOR'S CERTIFICATION: I certify the materials described abo	ve on this manifest are not sub	ject to federal regulati	ons for re	oorling prope	er dispose	of Hazardous We	iste	
V	Printed/Typed Name Stephen Absolom	Signature	n(0.		1		Month Day	Year	
Ţ	17. Transporter 1 Acknowledgement of Receipt of Materials				2-1-		10 7.0	00	
TRANSPORTER	Printed/Typed Name	Signature / Ricera					Month Day	Year	
P P	18. Transporter 2 Acknowledgement of Receipt of Materials		- A STATE OF THE S	Sant					
T E R	Printed/Typed Name	Signature					Month Day	Year	
	19. Discrepancy Indication Space				***				
FACILIT									
LIT	20. Facility Owner or Operator: Certification of receipt of waste materials	covered by this manifest ex	cept as noted in iter	n 19.	****	^		h	
Υ-	Printed/Typed Name	Signature				1	Month Day	Year	
Park Neen	TYLL TELLER & ASSOCIATES INC. In WIE4957-0368				or de di	12-BI	S-C5 Rev.	12/98	

GENERATOR'S COPY

Seneca Meadows, Inc. 1786 Saleman Rd.

Waterloo, NY 13165

Ph: (315) 539-5624 Fax: (315) 539-3097

等的主义者的经济发展的大大工工。

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: 3658@LBS

Net: 67440LBS

Origin: 116 / SENECA Truck: WC4372

Comment:

Wastes & Services

Quantity

Bw31

BCS01 / B/R-CONTAM SOIL

33.7200 Tons

Weighmaster: RUSS 450014

Drivers McA

P (F	eas om	print or type in designed for use on ellite (12-pitch) typewriter.)									
ſ		NON-HAZARDOUS 1. Generator's U WASTE MANIFEST 4 NY0213820	S EPA ID No.	Manifest Doc. No.	2. Page	1					
	+	3. Generator's Name and Malling Address Seneca Army Depot Activity		BW 32	012		****				
		5786 State Rte. 96, Romaius, NY 14541									
		4. Generator's Phone ( 607 ) 869-1309									
	5. Transporter 1 Company Name 6. US EPA ID Number A. Transporter 1 Company Name										
	ŀ	WE STREE TRANSTORTATION  7. Transporter 2 Company Name	<u> </u>		(3/			-193-	7		
		Handporter 2 Conspany Name	8. US EPA ID N	lumber · · · · ·	B. Transporter's Phone						
	9. Designated Facility Name and Site Address 10. US EPA ID Number C. F Seneca Meadows Landfill C. F										
	1786 SaToman Road										
	Waterloo, NY 13165 8-4532-00023 315										
	11. Waste Shipping Name and Description						ainers	13. Total	14. Unit		
	-	1.				No.	Туре	Quantity	Wi/Vol		
		MENT HAZARDONIS CONTRAL	/ 5.1 *********					40,19	Toh		
	L		METER SC	)/ <u>C</u>		• •	٠		v ny		
G E N		,.				•			,		
E	L	1000000 - 10000000000000000000000000000									
A	0	<b>.</b>									
R	L				-		;				
	ď			1000							
	C	. Additional Descriptions for Materials Listed Above		`	E. Handling Codes for Wastes Listed Above						
	1	5. Special Handling Instructions and Additional Information									
		WASTE APPROVAL # 3002									
		0608		4							
			CD								
	10	5. GENERATOR'S CERTIFICATION: I certify the materials described about	1/9 CD this manifest are not sub	ings to feetand war until					• 1		
		Printed/Typed Name	Signature	ect to tederal regular	J ior repo	Ming prope	r alsposa	of Hazardous W Month Da			
<b>¥</b>	4"	Stephen Absolom		21 (Ob	4	<del>/</del>		10 70	106		
Ŕ	- 1	7. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name	Signature	of the second second							
Sp		- Ky - 1 4 C	- Organization					Month Da	y Year		
十月 人 このね 〇 元 十 当 元	18	B. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				<b>-</b>					
ĖR		Timed Typed Name	Signature					Month Day	y Year		
	18	Discrepancy Indication Space		, · · · · · · · · · · · · · · · · · · ·							
F											
C				yr. 35							
FACILITY	20	. Facility Owner or Operator: Certification of receipt of waste materials of	covered by this manifest exc	ept as noted in Item	₹ 19.						
Ý		Printed/Typed Name	Signature	<del>///</del>				I Annth	الدين		
	08/568				-		<u> </u>	Month Pay			

Seneca Meadows, Inc. 1786 Salcman Rd.

Waterloo, NY 13165

Ph: (315) 539-5624 Fax: (315) 539-3097

1456289 Ticket:

Date: 10/26/2006

08:55:53 - 09:49:48 Time:

Customer: 15LMS / L M SESSLERS EXCA

Carrier: 7020 / WECARE TRANSPORTAT

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

Cust Ref: 198106

Gross: 116440LB5

Tare: 36060LBS

Net: 80380LBS

Origin: 116 / SENECA

Truck: WC5756

Comment:

Wastes & Services

Quantity

Bw 32

BCS01 / B/R-CONTAM SOIL

40.1900 Tons

CARRIE 450047 Weighmaster:

F	lease print or type -om designed for use on ellie (12-plich) typewnier.)	;	,						4	
ſ	NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA IB No.	Manifest I	Doc. No.						<u> </u>
	3. Generator's Name and Malling Address Seneca Army Depot Activity 5786 State Rte. 96, Romalus, NY 4. Generator's Phone (607) 869-1309	NY0213820830 14541	<i>5W-</i>	J. J.	ol		: :			****
	5. Transporter 1 Company Name	6. U	S EPA ID Number	P	\. Tra	nsporter's P	hone	150		
	7. Transporter 2 Company Name	8. U	S EPA ID Number	 E	3. Tra	nsporter's F	<u>7</u> Phone	1/2		
	9. Designated Facility Name and Site Address Seneca Meadows Landfill 1786 Salaman Road  10. US EPA ID Number C. Facility's Phone						)			
	Naterioo, NY 13165	§ <b>-</b> 4532-0	0023		315-	539-562				
	11. Waste Shipping Name and Description					12. Cont No.	ainers Type	13. Total Quanti		14. Unit Wt/Vol
	NON HAZAKDOUS CO	NTAMINATEU	-011					38.5	55	Tory
O E V	b.			****	-				•	
F	C.					• •			•	
FATOR							. <u>.</u>			
	d.			- Australia					<u> </u>	·
	D. Additional Descriptions for Materials Listed Above	7.70					.			
					. Hand	fling Codes	for Was	tes Listed A	bove	
	15. Special Handling Instructions and Additional Infor WA STE 以アアKOVAC 土								,, -,,	
	16. GENERATOR'S CERTIFICATION: I certify the ma	terials described above on this manifes	t are not subject to federa	l regulation	e for ra	nordina propa		.t	1571	
	Printed/Typed Name	Signatu		<u> </u>	3 101 10	)	n dispuse	Month	Day	Year
¥ I	Stephen Absolom  17. Transporter 1 Acknowledgement of Receipt of Ma	lerials	ZNU C	U.	2006	m		10	20	06
TRANSPORTER	Printed/Typed Name	Signatu	re		1	<u> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>		Month .	Day	Year
Ř	18. Transporter 2 Acknowledgement of Receipt of Ma Printed/Typed Name									
Ŕ	i interviyee Name	Signatu	re					Month .	Day	Year
FAC	19. Discrepancy Indication Space					ARRIVA -	36 - WI -			
FACILITY	20. Facility Owner or Operator: Certification of receipt	of waste materials covered by this r	nanifest except as note	d in Item 1	19.			*//		
Ý	Printed/Typed Name	Signatu	e		¥.	-		Month	bay	Year

a Meadows, Inc. Saleman Rd. loo, 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: 2006080B-15LMS / 15LMS-2006080

Cust Ref: 198105

Gross: 113520LBS

Tare: 36420LBS

Net: 77100LB5

tes & Services

.ck: WC5756

nt:

gin: 116 / SENECA

Quantity

BW33

101 / B/R-CONTAM SOIL

38.5500 Tons

aster: CARRIE 450047

Driver:

F {	Please print or type Form designed for use on elite (12-pitch) typewriter,)	÷						19.000
	NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No.	Manifest Doc. No.	1 -	1	<u> </u>		
-	3. Generator's Name and Mailing Address	NY0213820830 · · · ·	. B.W. 54	<b>I</b> of		*****		
1	Seneca Army Depot Activity		•					
	5786 State Rte. 96 Romitus NV 16	FA1						
	5786 State Rte. 96, Romulus, NY 14 4. Generator's Phonego7 869-1309	isarita.		Ī	,			
	5. Transporter 1 Company Name	6. US FPA	ID Number	A. Trans	porter's P	hone		
	WE CARE TRANSPORTO	TION		181			-193	7
	7. Transporter 2 Company Name	8. US EPA	ID Number	B. Trans				
	9. Designated Facility Name and Site Address	10. US EPA	D Number	C. Facilit	y's Phone	)		
	Seneca Meadows Landfill							
	1786 Salcman Road   Naterloo, NY 13165	h aren nanon						
	11. Waste Shipping Name and Description	8-4532-00023	· · · · · ·					
	71. Waste Gripping Marie and Description				12. Cont		13. Total	14, Unit
	a.				No.	Туре	Quantity	/ Wi/Vo
	HAMAL DATE OF THE STATE OF						41.00	6
	MON HAZAKBOUS O	ONTA MINATED	501L	į		. [		. JAA
Ģ	b.							
Ņ								
F	3							
CENERATOR	A c.							
O								
Ī	d.				• •		· · ·	•
	u.	<b>.</b>						
			į. · .	l				
1								
H	D. Additional Descriptions for Materials Listed Above	)		F Handlin	n Codes	for Wasi	on I lated Ab	
	D. Additional Descriptions for Materials Listed Above	)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	E. Handlir	ig Codes	for Wast	es Listed Ab	ove
	D. Additional Descriptions for Materials Listed Above	)		E. Handlir	ig Codes	for Wasi	es Listed Ab	ove
	D. Additional Descriptions for Materials Listed Above	3		E. Handlir	ig Codes	for Wast	es Listed Ab	ove
				E. Handlir	ig Codes	for Wast	es Listed Ab	ove
	15. Special Handling Instructions and Additional Information	mation		E. Handlin	ng Codes	for Wast	es Listed Ab	ove
		mation		E. Handlir	ng Codes	for Wasi	es Listed Ab	ove
	15. Special Handling Instructions and Additional Information	mation	2	E. Handlin	ng Codes	for Wasi	es Listed Ab	ove
	15. Special Handling Instructions and Additional Information	mation		E. Handlir	g Codes	for Wast	es Listed Ab	ove
	15. Special Handling Instructions and Additional Information	mation		E. Handlir	ng Codes	for Wast	es Listed Ab	ove
	15. Special Handling Instructions and Additional Infon	mation						
	15. Special Handling Instructions and Additional Inform  WASTE APPROVAL #	mation	subject to federal regulati					
	15. Special Handling Instructions and Additional Inform  MASTE APROVAL #  16. GENERATOR'S CERTIFICATION: I certify the ma  Printed/Typed Name	mation	subject to federal regulati				l of Hazardous	
	15. Special Handling Instructions and Additional Inform  WASTE APPROVAL #  16. GENERATOR'S CERTIFICATION: I certify the ma  Printed/Typed Name  Stephen Absolom	mation  atterials described above on this manifest are not Signature	subject to federal regulati				l of Hazardous	s Waste.
•	15. Special Handling Instructions and Additional Inform  16. GENERATOR'S CERTIFICATION: I certify the ma  Printed/Typed Name  Stephen Absolute  17. Transporter 1 Acknowledgement of Receipt of Mate	mation  Addition  Atterials described above on this manifest are not signature sterials	subject to federal regulati				l of Hazardous	s Waste.
•	15. Special Handling Instructions and Additional Inform  WASTE APPROVAL #  16. GENERATOR'S CERTIFICATION: I certify the ma  Printed/Typed Name  Stephen Absolom	mation  atterials described above on this manifest are not Signature	subject to federal regulati				l of Hazardous <i>Month</i> アシリス	s Waste.
•	15. Special Handling Instructions and Additional Inform  N/(STE APPROVAL ##  16. GENERATOR'S CERTIFICATION: I certify the ma  Printed/Typed Name  Stephen Absolum  17. Transporter 1 Acknowledgement of Receipt of Mat  Printed/Typed Name	mation  Atterials described above on this manifest are not signature sterials  Signature  Signature	subject to federal regulati				l of Hazardous <i>Month</i> アシリス	s Waste.  Day Year  CO (1.1.
•	15. Special Handling Instructions and Additional Information  16. GENERATOR'S CERTIFICATION: 1 certify the material Printed/Typed Name  Stephen Absolute  17. Transporter 1 Acknowledgement of Receipt of Material Printed/Typed Name  18. Transporter 2 Acknowledgement of Receipt of Material Printed/Typed Name	mation  sterials described above on this manifest are not Signature sterials  sterials  Signature	subject to federal regulati				Of Hazardous  Month  Month  Month  Month	s Waste.  Day Year  Day Year  .
•	15. Special Handling Instructions and Additional Inform  N/(STE APPROVAL ##  16. GENERATOR'S CERTIFICATION: I certify the ma  Printed/Typed Name  Stephen Absolum  17. Transporter 1 Acknowledgement of Receipt of Mat  Printed/Typed Name	mation  Atterials described above on this manifest are not signature sterials  Signature  Signature	subject to federal regulati				Of Hazardous  Month  Month  Month  Month	s Waste.  Day Year  CO (1.1.
→ TRANSPORTER	15. Special Handling Instructions and Additional Information  16. GENERATOR'S CERTIFICATION: 1 certify the material Printed/Typed Name  Stephen Absolute  17. Transporter 1 Acknowledgement of Receipt of Material Printed/Typed Name  18. Transporter 2 Acknowledgement of Receipt of Material Printed/Typed Name	mation  sterials described above on this manifest are not Signature sterials  sterials  Signature	subject to federal regulati				Of Hazardous  Month  Month  Month  Month	s Waste.  Day Year  Day Year  .
TRANSPORTER	15. Special Handling Instructions and Additional Inform  16. GENERATOR'S CERTIFICATION: I certify the ma  Printed/Typed Name  Stephen Absolun  17. Transporter 1 Acknowledgement of Receipt of Mat  Printed/Typed Name  18. Transporter 2 Acknowledgement of Receipt of Mat  Printed/Typed Name	mation  sterials described above on this manifest are not Signature sterials  sterials  Signature	subject to federal regulati				Of Hazardous  Month  Month  Month  Month	s Waste.  Day Year  Day Year  .
TRANSPORTER	15. Special Handling Instructions and Additional Inform  16. GENERATOR'S CERTIFICATION: I certify the ma  Printed/Typed Name  Stephen Absolun  17. Transporter 1 Acknowledgement of Receipt of Mat  Printed/Typed Name  18. Transporter 2 Acknowledgement of Receipt of Mat  Printed/Typed Name	mation  sterials described above on this manifest are not Signature sterials  sterials  Signature	subject to federal regulati				Of Hazardous  Month  Month  Month  Month	s Waste.  Day Year  Day Year  .
TRANSPORTER	15. Special Handling Instructions and Additional Information (Information) (Informatio	mation  Auterials described above on this manifest are not signature sterials  Signature  terials  Signature  Signature	m Cel	ons for repo			Of Hazardous  Month  Month  Month  Month	s Waste.  Day Year  Day Year  .
TRANSPORTER	15. Special Handling Instructions and Additional Inform  16. GENERATOR'S CERTIFICATION: I certify the ma  Printed/Typed Name  Stephen Absolun  17. Transporter 1 Acknowledgement of Receipt of Mat  Printed/Typed Name  18. Transporter 2 Acknowledgement of Receipt of Mat  Printed/Typed Name	mation  Auterials described above on this manifest are not signature sterials  Signature  terials  Signature  Signature	m Cel	ons for repo			Of Hazardous  Month  Month  Month  Month	s Waste.  Day Year  Day Year  .
TRANSPORTER	15. Special Handling Instructions and Additional Information (Information) (Informatio	mation  terials described above on this manifest are not Signature  terials Signature  terials Signature  of waste materials covered by this manifes	m Cel	ons for repo			Of Hazardous  Month  Month  Month  Month	s Waste.  Day Year  Day Year  .
TRANSPORTER	15. Special Handling Instructions and Additional Information (Information) (Informatio	mation  Auterials described above on this manifest are not signature sterials  Signature  terials  Signature  Signature	m Cel	ons for repo			Of Hazerdous  Month  Month  Month  Month	s Waste.  Day Year  Day Year  .

Seneca Meadows, Inc. 1786 Salcman 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

Gross: 118060LBS

Tare: 35940LBS Net: 82120LBS

Origin: 116 / SENECA Truck: WC5756

Comment:

Wastes & Services

Quantity

Bio 34

BC501 / B/R-CONTAM SOIL The second series

41.0600 Tons

Weighmaster: CARRIE 450047

Drivers

1	n designed for use on elite (12-pitch) typewriter.)  NON-HAZARDOUS	1. Generator's US	S EPA ID No	Manifest Doc. No	. 2. Pa	· T		and the second	
4	WASTE MANIFEST	.MY02138208	30	ENV. 35.	of <u>i</u>	- 1			
	3. Generator's Name and Mailing Address Seneca Army Depot Activity 5786 State Rte. 96, Romalus, NY . 4. Generator's Phone (607 ) 869-1309	14541				<u> </u>	***************************************	***************************************	
L	5. Transporter 1 Company Name	STIGIU			A. Tra	insporter's I	Phone	-1937	
	7. Transporter 2 Company Name	Table 1	8. US EPA I	D Number	B. Tra	insporter's	Phone		
5	Designated Facility Name and Site Address Seneca Meadows Landfill  1786 Saluman Road			D Number	C. Fac	cility's Phon	9		
L	Waterloo, NY 13165		8-4532-00023 .		315	-539-562	24		
1	1. Waste Shipping Name and Description	-				12. Con		13. Total	
а					, <u></u>	No.	Туре	Quantity	
ь	NON HAZERDONS CO.	NTANIA	114785	21-				40,10	
						•		•*	
C.			,	71.E-111.E-111.E-111.E-111.E-111.E-111.E-111.E-111.E-111.E-111.E-111.E-111.E-111.E-111.E-111.E-111.E-111.E-11		• •			1
d.				4 /					
n	. Additional Descriptions for Materials Listed Above		*****			<u> </u>	<u>L : 1</u>	tes Listed Above	L
	5. Special Handling Instructions and Additional Inform								
	•	06080	<u> </u>						
				Cublant to todayal convincion	f				
	6. GENERATOR'S CERTIFICATION: I certify the material Printed/Typed Name			subject to federal regulati	ons for re	eporting prope	er disposa		ste
16	5. GENERATOR'S CERTIFICATION: 1 certify the material Printed/Typed Name Stephen Absolore	terials described above	e on this manifest are not	subject to federal regulati	ons for re	porting prope	er disposa	il of Hazardous Was Month Day	
16	5. GENERATOR'S CERTIFICATION: 1 certify the material Printed/Typed Name	terials described above	e on this manifest are not	subject to federal regulati	ons for re	eporting prop	er disposa	Month Day	
16	GENERATOR'S CERTIFICATION: I certify the man Printed/Typed Name  Stephen Absolore  Transporter 1 Acknowledgement of Receipt of Mat Printed/Typed Name	terials described above erials	e on this manifest are not Signature	subject to federal regulati	ons for re	eparting prope	er disposæ	Month Day 「つ てo	
16	S. GENERATOR'S CERTIFICATION: I certify the mate Printed/Typed Name Stephen Absolon 7. Transporter 1 Acknowledgement of Receipt of Mate	terials described above erials	e on this manifest are not Signature	subject to federal regulati	ons for re	eporting proper	er disposa	Month Day 「つ てo	
17	S. GENERATOR'S CERTIFICATION: 1 certify the man Printed/Typed Name Stephen Absolom Transporter 1 Acknowledgement of Receipt of Mat Printed/Typed Name Transporter 2 Acknowledgement of Receipt of Mat	terials described above erials	s on this manifest are not Signature Signature	subject to federal regulati	ons for re	eparting prope	er disposa	Month Day アロ Month Day	
16	S. GENERATOR'S CERTIFICATION: 1 certify the man Printed/Typed Name  Stephen Absolore  Transporter 1 Acknowledgement of Receipt of Mat Printed/Typed Name  Transporter 2 Acknowledgement of Receipt of Mat Printed/Typed Name	terials described above erials erials	s on this manifest are not Signature Signature Signature	male		eporting proper	er dispose	Month Day アロ Month Day	j.

GENERATOR'S COPY

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: 2006080B-15LMS / 15LMS-2006080

Cust Ref: 198103

Gross: 116060LBS

Tare: 35860LBS

Net: 80200LBS

Comment:

Wastes & Services

Origin: 116 / SENECA

Truck: WC5756

Quantity

Bw 35

BCS01 / B/R-CONTAM SOIL

40.1000 Tons

Driver:

Weighmaster: LYDIA 450104

PJ (F	pase print of type nm speigned for use on elite (12-pitch) typewriter)							
	*NON-HAZARDOUS 1. Generator's l	US EPA ID No.	Manifest Doc. No	-	e 1			
	WASTE MANIFEST 2 NY021382	0830	. BN.36.	of 1				
	Seneca Army Depot Activity 5786 State Rte. 96, Romulus, NY 14541 4. Generator's Phone (607 869-1309							
	5. Transporter 1 Company Name	6. US EPA	ID Number		nsporter's P	hone		
	7. Transporter 2 Company Name	8. US FPA			15) Isporter's F		<u> 7193</u>	7
		1	· · · · · ·	D. Hal	isponers r	-none		
	9. Designated Facility Name and Site Address		lD Number	C. Faci	lity's Phone	)		,
	Seneca Meadows Landfill 1786 Salonan Road	The same of the sa						
	Waterloo, NY 13165	8-4532-00023	· · · · · · · · · · · · · · · · · · ·	315	<del>522 56</del> 7	A amers	***************************************	
	11. Waste Shipping Name and Description				T2. Cont No.	ainers   Type	13. Total Quantity	14, Unit Wt/Vol
	a. /				110.	Type	.,,	¥41/ VOI
	NON HAZARDONS CONTAM IN	VATED S	2/1				38,11	7011
G	b							
N	,							
GHNHRATO	C.		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		1	<del>-</del> -		
Ö R								
	d.		*****			·	* * , .	
	D. Additional Descriptions for Materials Listed Above			E. Hand	ling Codes	for Wasi	es Listed Abov	
						-		
	·						j	
	15. Special Handling Instructions and Additional Information				***************************************	**-		
	WASTE APPROVAL # 3002							
	06080	B						
	<ol> <li>GENERATOR'S CERTIFICATION: I certify the materials described about the printed/Typed Name</li> </ol>		t subject to federal regula	lions for rep	orting prope	r disposa	l of Hazardous W	aste.
V	Stephen Absolom	Signature	an Go	سمما	6		Month Da	·
Ţ Ŗ	17. Transporter 1 Acknowledgement of Receipt of Materials			Δ.			1/0/0	
N S	Printed Typed Name, KND #0936 [DO!	83 Signature	24(1)	11/11	7		Month Da	y Year
POR	18. Transporter 2 Acknowledgement of Receipt of Materials		2019	7				שטוע
TRANSPORTER	Printed/Typed Name	Signature		U			Month Da	y Year
	19. Discrepancy Indication Space					- Image:		
F								
A C I		:	1					
니	20. Facility Owner or Operator: Certification of receipt of waste materials	covered by this manifes	t except as poted in Ite	मा 19.			178-10-1	
Y	Printed/Typed Name	Signature					Month 704	Yar
	d by J. J. KELLER & ASSOCIATES, INC.		T				1/21/	ושענ
Neen	ah, W/ 54957:0388 T	RANSPORTER #	<b>#2</b>		•	12-BI	LS-C5 Rev	. 12/98

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 Qua

Quantity

BW 36

BCS01 / B/R-CONTAM SOIL

38.1100 Tons

Weighmaster: CARRIE 450047

Driver:

Ple	ase - Int or type rm designed for use on elite (12-pitch) typewriter.)		:					
		JS EPA ID No. *	Manifest Doc. No	. 2. Page	1			
	WASTE MANIFEST ~ NY0213820	a	. 60137.	of				
A	Generator's Name and Malling Address		, , , , , , , , , , , , , , , , , , ,	***************************************				
	Seneca Army Depot Activity							
	5785 State Rte. 96, Romilus, NY 14541 4. Generator's Phone ( 607 ) 869-1309							
	5. Transporter 1 Company Name	6. US FP.	A 3D No	<del></del>				
	LIE CARE TRANSFER TATIEN	05 EF	A 1D Number	A. Iran	sporter's Pl	none	-1737	
	7. Transporter 2 Company Name	8. US EPA	A ID Number		sporter's P			
		1						
	Designated Facility Name and Site Address	10. US EP/	A ID Number	C. Facili	ity's Phone			
	Seneca Meadows Landfill							
	1786 Saloman Road	1						
	Waterloo, NY 13165	8-4532-00023	<u> </u>	315-	539-562			
	11. Waste Shipping Name and Description				12. Conta	. [	13. Total	14. Unit
	a.		<u> </u>		No.	Type	Quantity	Wt/Vol
		ا العمال المت <del>العيمة</del> والإساول	· .				40.59	Tool
	NON HAZAKUMIS CONTAMI	WHIED >	016			.		156/
Ģ	b.	-						
N								
GENERATO					• •	_ `	· · · ·	
Î	c.							
Ř						.		
	d. ,			-				
	The state of the s			<u> </u>	٠			
	D. Additional Descriptions for Materials Listed Above			E. Handl	ing Codes	for Wast	es Listed Above	
			٠	]				
	15. Special Handling Instructions and Additional Information		. Oraw H					
	WASTE APPROVAL # 3000							
	06080 8	<b>9</b>						
	- 12-1							
	16. GENERATOR'S CERTIFICATION: I certify the materials described ab		not subject to federal regula	tions for rep	orting prope	r disposa	l of Hazardous Wa	iste.
	Printed/Typed Name	Signature	XMACO		P.		Month Day	. 8
Ŧ	Stephen Absolom  17. Transporter 1 Acknowledgement of Receipt of Materials			when the	7.^.`		10 20	06
Ř	Printed/Typed Name / /	Signature	- Japan Japan J	· · · · · ·		****		
S	Telest Lest was	Signature	The state of the s				Month Day	Year
밁							!	
121	18. Transporter 2 Acknowledgement of Receipt of Materials							
Ë	18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name	Signature		·	, , , , , , , , , , , , , , , , , , ,		Month Day	Year
TRANSPORTER	Printed/Typed Name	Signature		· Managara,			Month Day	Year
ORTER.		Signature		- Managaran			Month Day	Year   ·
	Printed/Typed Name	Signature		* Managara			Month Day	Year   ·
	Printed/Typed Name	Signature		- Standard			Month Day	Year   ·
F A C 1	Printed/Typed Name  19. Discrepancy Indication Space		est except as poted in the	m 10			Month Day	Year ·
FAC1	Printed/Typed Name		est except as noted in Ite	m 19.	- Pa - 1		Month Day	Year ·
	Printed/Typed Name  19. Discrepancy Indication Space		est except as noted in Ite	m 19.	N C		Month Day	Year

Seneca Meadows, Inc. 1786 Salcman 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: 115940LBS

Tare: 3576@LBS

Net: 81180LBS

Drigin: 116 / SENECA

Wastes & Services

Truck: WC5756

Comment:

Quantity

BW 37

BC901 / B/R-CONTAM SOIL

40.5900 Tons

Weighmaster: CARRIE 450047

Drivers

門巴	ese print or type rm designed for use on elite (12-pitch) typewriter.)						
	NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No	Manifest Doc. No. 1 たいろと	2. Page 1 of			) je
A	3. Generator's Name and Mailing Address Seneca Army Depot Activity 5786 State Rte. 96, Romalus, NY 14 4. Generator's Phone (607 ) 869-1309		191420			, , , , , , , , , , , , , , , , , , , ,	
	5. Transporter 1 Company Name	6. US EPA ID Nur	<u> </u>	A. Transporter's F	hone	-1937	~
	7. Transporter 2 Company Name	8. US EPA ID Nur	nber B	3. Transporter's I			, .,.
	Designated Facility Name and Site Address     Seneca l'eadows Landfill     1786 Saloman Road	10. US EPA ID Nur		C. Facility's Phone			
	Waterloo, NY 13165	8-4532-00023	<u>· · ·                                  </u>	315-539-562			
	11. Waste Shipping Name and Description			12. Cont	ainers   Type	13. Total Quantily	14. Unit Wt/Voi
	a. NOW HAZMADONS CON	TAMINATED SOIL				19,40	TOM
GENERAT	b						
E R	-	994 ·			<u> </u>		
A T O	<b>c.</b>						
R							
	d.		. i				
	D. Additional Descriptions for Materials Listed Above		E	. Handling Codes	for Was	tes Listed Above	
	15. Special Handling Instructions and Additional Information			***************************************	, <u>, , , , , , , , , , , , , , , , , , </u>		
	WASTE APPROVAL # 3	6080B					
	16. GENERATOR'S CERTIFICATION: I certify the mater	96080B	st to federal regulation	is for reporting propi	er disposi	al of Hazardous Was	le.
	16. GENERATOR'S CERTIFICATION: 1 certify the mater Printed/Typed Name	rials described above on this manifest are not subject	.e^5		er disposi	al of Hazardous Was Month Day	te. Year
	16. GENERATOR'S CERTIFICATION: I certify the mater Printed/Typed Name Stephen Absolom	rials described above on this manifest are not subject.  Signature	ot to federal regulation		er disposi		- 8
SSEN ←	16. GENERATOR'S CERTIFICATION: 1 certify the mater Printed/Typed Name	rials described above on this manifest are not subject.  Signature	.e^5		er disposi	Month Day	Year
→ ⊢¤ <zwpoxi< th=""><th>16. GENERATOR'S CERTIFICATION: I certify the mater Printed/Typed Name Stephen &amp; Solom 17. Transporter 1 Acknowledgement of Receipt of Mater Printed/Typed Name  18. Transporter 2 Acknowledgement of Receipt of Mater</th><th>rials described above on this manifest are not subject Signature Signature Signature</th><th>.e^5</th><th></th><th>er disposi</th><th>Month Day</th><th>Year () &amp;</th></zwpoxi<>	16. GENERATOR'S CERTIFICATION: I certify the mater Printed/Typed Name Stephen & Solom 17. Transporter 1 Acknowledgement of Receipt of Mater Printed/Typed Name  18. Transporter 2 Acknowledgement of Receipt of Mater	rials described above on this manifest are not subject Signature Signature Signature	.e^5		er disposi	Month Day	Year () &
→ FRAZOPOEHIB	16. GENERATOR'S CERTIFICATION: I certify the mater Printed/Typed Name  Stephen Absolom  17. Transporter 1 Acknowledgement of Receipt of Mater Printed/Typed Name	rials described above on this manifest are not subject Signature Signature Signature	.e^5		er disposi	Month Day	Year () &
TER	16. GENERATOR'S CERTIFICATION: I certify the mater Printed/Typed Name Stephen Absolom 17. Transporter 1 Acknowledgement of Receipt of Mater Printed/Typed Name 18. Transporter 2 Acknowledgement of Receipt of Mater Printed/Typed Name 19. Discrepancy Indication Space	rials described above on this manifest are not subject Signature Signature Signature Signature	n Gh	solom	er disposi	Month Day    /-()   Z. ©    Month Day   ·   ·	Year C & Year
FACI	16. GENERATOR'S CERTIFICATION: I certify the mater Printed/Typed Name Stephen & Solom 17. Transporter 1 Acknowledgement of Receipt of Mater Printed/Typed Name  18. Transporter 2 Acknowledgement of Receipt of Mater Printed/Typed Name	rials described above on this manifest are not subject Signature Signature Signature Signature	n Gh	solom	er dispos	Month Day    /-()   Z. ©    Month Day   ·   ·	Year () () Year

Printed by J. J. KELLER & ASSOCIATES, INC. Neenah, WI 54957-0368 12-BLS-C5 Rev. 12/98

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

Tare: 38120LBS

Net: 38800LBS

Origin: 116 / SENECA

Truck: WC9003

Comment:

Wastes & Services

Quantity

BW 38

BCS01 / B/R-CONTAM SOIL

19.4000 Tons

Weighmaster: RUSS 450014

Drivers

Eugana Pota

민	ease print or type print designed for use on elite (12-pitch) typewriter.)	ei.						
	NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID NoNY0213820630	Manifest Doc. No.	2. Pag	e 1			<u> </u>
1	3. Generator's Name and Mailing Address	**************************************	1 2 9 2 7 7					
	Seneca Army Depot Activity 5786 State Rte. 96, Romulus, NY 4. Generator's Phone (607 ) 869-130	14541 9						
	5. Transporter 1 Company Name  (A/E CARE TRANSPORT		ID Number		nsporter's F		- 10 4 -	
	7. Transporter 2 Company Name		ID Number		rsporter's I		1-1937	
	Designated Facility Name and Site Address							
	Seneca Meadows Landfill 1786 Salonan Road	•	(D Number	C. Faci	lity's Phone	Đ		
	Waterloo, NY 13165	8-4532-00023		315-	539-562			
	11. Waste Shipping Name and Description				12. Cont No.		13. Total	14. Unit
	a.				140.	Туре	Quantity	Wt/Vol
	NON HAZARDOUS	CONTAMINATED	SOIL				40.51	TON
G	b.	, , , , , , , , , , , , , , , , , , ,						
GENERAT								
R A T	C.					<u> </u>		┨
O R								
	de en en en en en en en en en en en en en							
			: · · · ·	-	• •,			
	D. Additional Descriptions for Materials Listed Above	/e		E Hand	lling Codes	for Man	tes Listed Above	
	15 Special Handling Industrial				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
	15. Special Handling Instructions and Additional Info							
	WASIC APPROVAC	- <u>06</u> 980 B						
		COCOCO						
	40 OFMEDATORIO OFF				<u></u>			
	<ol> <li>GENERATOR'S CERTIFICATION: I certify the n Printed/Typed Name</li> </ol>		nt subject to federal regulati	ons for re	portling prope	r disposi	al of Hazardous Wa	ste.
₩	**	Signature	MOO	0	•		Month Day	Year
T	Stephen Absolon  17. Transporter 1 Acknowledgement of Receipt of M	aterials	mi Ula	orcen	<u> </u>		10 20	06
一年 人工の中の日子田内	Printed/Typed Name	Signature	The same of the sa	¥ mm			Month Day	Year
0 0	18. Transporter 2 Acknowledgement of Receipt of M	alerials	<u> </u>					
E-E	Printed/Typed Name	Signature					Month Day	Year
R	19. Discrepancy Indication Space				***		<u> </u>	<u> </u>
FAC-L-TY	To secrepting indication opage							
LIT	20. Facility Owner or Operator: Certification of receip	t of waste materials covered by Me manifes	st except as noted in Iten	n <b>19</b> ,	<u></u>	^	30 TO 2	
Ý	Printed/Typed Name	Sgnature	MACH	(		1	Monthy Hay	) par
1								

Seneca Meadows, Inc. 1786 Salcman 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: 2006080B-15LMS / 15LMS-2006080

Cust Ref: 197534

Gross: 117500LBS /

NEO NETE LEVISA

Tare: 36460LBS

Net: 81020LBS

Origin: 116 / SENECA Truck: WC5756

Comment:

Wastes & Services

Quantity

BW 39

BCS01 / B/R-CONTAM SOIL

40.5100 Tons

Weighmaster: CARRIE 450047

Driver:

H (F	lease print or type om: designed for use on elite (12-plich) typewriter;)								
	NON-HAZARDOUS WASTE MANIFEST	1. Generator's US NY021382083		Manifest Opc. No	o. 2. Pag				
	3. Generator's Name and Malling Address Serieca Army Depot Activity 5786 State Rte. 96, Romilus, NY 1 4. Generator's Phone (607 ) 869-1309				- 3.				P. C. C. C. C. C. C. C. C. C. C. C. C. C.
	5. Transporter 1 Company Name  \(\text{V.C.} \text{C.C.} Therefore \(\text{V.C.} \text{V.S.} \text{Post}\)	TATION	3. US EP/	A ID Number	A. Tre	nsporter's F	hone -	9-193	7
	7. Transporter 2 Company Name	8	l. US EP/	A ID Number	B. Tra	nsporter's (	<sup>2</sup> hone		***************************************
	9. Designated Facility Name and Site Address Seneca Meadows Landfill 1785 Salcman Road Waterloo, NY 13165			ID Number		ility's Phone			100
	11. Waste Shipping Name and Description		8-4532-00023		315-	539-562 12. Cont		13.	14.
	a,	***************************************		***************************************		No.	Туре	13. Total Quantity	Unit Wt/Vol
	NEW HAZEREUS C	PATRALI	WATED	3016				37,35	Ton
GENERATO	b.					* 32 **			
RATO	c.	, , , , , , , , , , , , , , , , , , ,			7:00M-		•		
R	d.			net were					
	*		•			-		ė	
	D. Additional Descriptions for Materials Listed Above		7.00		E. Hand	iling Codes	for Was	tes Listed Above	
	15. Special Handling Instructions and Additional Inform			1,100					
			E G			·			
	16. GENERATOR'S CERTIFICATION: 1 certify the mat	Arials described above	on this manufact			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		71	
	гинеи/туреа мате	OHER GODGINGS GOOVE	Signature	subject to rederal regular	ions for re	porling prope	r dispose	of Hazardous Was	ste.
T	Stephen Absolom  17. Transporter 1 Acknowledgement of Receipt of Mate	erials							
TRANSPORTER	Printed/Typed Name		Signature	111 Acr	Ynin			Month Day	Year
Q R	18. Transporter 2 Acknowledgement of Receipt of Mate Printed/Typed Name	erials	プ	744			1	dice	
ER			Signature	•				Month Day	Year
FACI	19. Discrepancy Indication Space								
	20. Facility Owner or Operator: Certification of receipt of	f waste materials cov	rered by this manife	et except as noted in Iter	n 19.		a parameter and a second		
Y	Printed/Typed Name		Signature			and the second s	(1)	Month, Day	Year
Printe	d by J. J. KELLER & ASSOCIATES, INC.				1		$\checkmark$	<u> </u>	

Printed by J. J. KELLER & ASSOCIATES, INC.
Neenah, WL54957-0368

12-BLS-C5 Rev. 12/98

Seneca Meadows, Inc. 1786 Saleman Rd. Waterloo, NY 13165

Ph: (315) 539-5624 Fax: (315) 539-3097

1456866 Ticket:

10/27/2006 Date:

07:43:48 - 08:37:42 Times

Customer: 15LMS / L M SESSLERS EXCA

Carrier: 7020 / WECARE TRANSPORTAT

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

Cust Ref: 198357

Gross: 111400LBS / Tare: 36700LBS

Net: 74700LBS

Origin: 116 / SENECA

Wastes & Services

Truck: WC5757

Comment:

Quantity

BW 40

BCS@1 / B/R-CONTAM SOIL

37.3500 Tons

**CARRIE 450047** Weighmaster:

Driver:

Ple (Fo	se print or type m designed for use on elite (12-pitch) typewnier.)								
Ī	NON-HAZARDOUS 1. Generator's U			Manifest Doc. No.		e 1			
-	WASTE MANIFEST NY0213820 3. Generator's Name and Mailing Address	<del>930 · ·</del>		15H41.	of 1		****		
	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. Trai	nsporter's P	hone	1937	
	7. Transporter 2 Company Name	8. 	US EPA ID	Number	B. Trai	nsporter's F	hone	<u> </u>	
	9. Designated Facility Name and Site Address	10.	US EPA ID	Number	C. Fac	lity's Phone	<u> </u>	*******	
	Seneca Meadows Landfill 1786 Salcman Road Waterloo, NY 13165	0_4099			255	-539-562	: A		
	11. Waste Shipping Name and Description	0-40,2			1 213	12. Conta		13.	14.
						No.	Туре	Total Quantity	Unit Wt/Vol
	a NEW HAZINKUDIES CONTAN	MUA	TED	SOIL		, ,		44.47	T34)
GENER	b.								
ER		- 1 Turana					·		
A T O	c.								
R	d.		·		-:	• •	.		
	D. Additional Descriptions for Materials Listed Above	***************************************			E. Hand	lling Codes	for Wast	es Listed Above	
	15. Special Handling Instructions and Additional Information				I	••		····	
	WHOTE APPROVAL # 30ET								
	0608	300			. 💤				
	A CANADA A CANADA A CANADA A CANADA A CANADA A CANADA A CANADA A CANADA A CANADA A CANADA A CANADA A CANADA A								
	<ol> <li>GENERATOR'S CERTIFICATION: I certify the materials described abore</li> <li>Printed/Typed Name</li> </ol>		nifest are not s	ubject to federal regular	tions for re	porting prop	er disposa	of Hazardous Wa	
¥	Storben Absolom		3	Milla	ole	I~		10 20	06
Ţ	17. Transporter 1 Acknowledgement of Receipt of Materials					7 -			
TRANSPORTER	Printed/Typed Name Brad Cy 4	Sig	nature	Eza-	and the same			Month Day	Year
Ö R	18. Transporter 2 Acknowledgement of Receipt of Materials				<i></i>				
E R	Printed/Typed Name	Sig	nature					Month Day	Year .
	19. Discrepancy Indication Space	<del>,,</del>							
F A C I									
LITY	20. Facility Owner or Operator: Certification of receipt of waste materials	covered by t	this manifest	except as noted in Ite	m 19.	***************************************		/ 0-	
Y	Printed/Typed Name	Sign	nature	1/2		Complete Com	4001	Munth Day	Year
	d by J. J. KELLER & ASSOCIATES, INC.		16	11/			12-B	LS-C5 Rev.	12/98

**GENERATOR'S COPY** 

Seneca Meadows, Inc. 1786 Salcman 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

Tares 36460LBS

Net: 88940LBS

Origin: 116 / SEMECA

Truck: WC5756

Connemba

Wastes & Services

Quantity

BW 41

BCS01 / B/R-CONTAM SOIL

44.4700 Tons

Weighmaster: CARRIE 450047

Drivers

### 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

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 <u>Instrument Performance</u>

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  $\mu$ g/Kg to 320  $\mu$ g/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 <u>Internal Standard</u>

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

SDG	Analytes Detected	Sample Affected	Blank Concen tration	Action
	Methylene Chloride	ALBW10016, ALBW10017, ALBW10018, ALBW10019, ALBW10020, ALBW10021, ALBW10022, and ALBW10023	>RL	All detects were reported as nondetects.
091406	Acetone	ALBW10020, ALBW10021, ALBW10022, and ALBW10023	<rl< td=""><td>Acetone was not detected in the associated samples with the exception of ALBW10023. Acetone result for ALBW10023 was reported as nondetect.</td></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< td=""><td>No action as toluene was not detected in the associated samples.</td></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%	Associated Samples	Qualification	Qualification Rationale
		Outside Limits	-		
			Initial Calibra	ation	
	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.
091406	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%	Associated Samples	Qualification	Qualification Rationale
		Outside Limits	-		
	9/26/06 10:47-13:06 (Instrument HP5973F)	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	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%	Associated Samples	Qualification	Qualification Rationale
		Outside Limits			
			Continuing Calibratio	n Verification	
	9/21/06 21:56 (Instrument HP5973F)	, ,	ALBW10020, ALBW10021, ALBW10022, ALBW10023	UJ nondetects and J detects	
091406	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		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		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

					TCE	
					Results	
No.	Trench ID	Sample ID	Description	Location Description	(µg/Kg)	<b>Final Disposition</b>
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

					TCE Results		
No.	Trench ID	Sample ID	Description	Location Description	(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

		TAGM	
Parameter	Units	Criteria 1	Value (Q)
Volatile Organic Compounds			
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
Semivolatile Organic Compounds			
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
_,	2 3/110	200	2100 0

# 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

		TAGM	
Parameter	Units	Criteria 1	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	200	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	220	430 U
4-Methylphenol	UG/KG	900	14 J
4-Nitroaniline	UG/KG	900	2100 U
4-Nitrophenol	UG/KG	100	2100 U
•		50000	
Acenaphthene	UG/KG		430 U
Acenaphthylene	UG/KG	41000	430 U
Acetophenone	UG/KG	50000	430 U
Anthracene	UG/KG	50000	430 U
Atrazine	UG/KG		430 U
Benzaldehyde	UG/KG	22.4	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
Metals			
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

_		
•	nt	eria

Parameter	Units	Level 1	Value (Q)
TCLP VOAs			
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
TCLP SVOCs			
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
TCLP Pesticides			
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
PCBs			
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
TCLP Inorganics			
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
Wet Chemistry			
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 www.stl-inc.com

### ANALYTICAL REPORT

Job#: <u>A06-B011</u>

STL Project#: NY5A9493 Site Name: <u>SENECA AD</u>

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-B011

STL Project#: <u>NY5A9493</u> Site Name: <u>SENECA AD</u>

### 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-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 ALBW10031 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.

Page 1 of 2	COC : 25-09-06-1 e, Suite 106	Unknown	C.com	PAGE	Final Report Type (Circle at least one): ASP2000 Category B FID: 30 calendar dava		FAX EMAIL POST Other TAT/ DATE DUE	NUMBER OF COOLERS	BUBMITTED PER SHIPMENT:	ERS SUBMITTED REMARKS	1. Run straight sample analysis	2. Use CLP OLM03.2 TCL list for	VOCs and SVOCs.  3. Each VOC sample includes 2	encores and 1 Jar.				Preservative	83	RELINQUISHED BY: DATE TIME (BIGNATURE)	RECEIVED BY: DATE TIME		
	STL Buffalo 10 Hazelwood Drive, Suite 106	Amherst, NY 14228 Ph: 716-691-2600	Website: www.sti-inc.com	Semple Information REQUIRED ANALYSES		809Z8	borteM	∧OC? -	THE SE	TISTAM	S	N N	N S N	N S N	N S N	v z	N S 7	N S	N N	DATE TIME	DATE TIME	USE ONLY	AL NO.   LABORATORY   REMARKS:
	HAIN OF CUSTODY RECORD		Project State		CONTRACT/Quote NO. 744538-30001-00	CLIENT FAX 617-946-9777		YROT	<b>∀</b> ₩0		Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	RELINQUISHED BY: (SIGNATURE)	RECEIVED BY: (signature)		CUSTODY INTACT   CUSTODY SEAL NO.
	T ANALYSIS REQUEST AND CHAIN OF CUSTO	STL Buffalo	TINFORMATION	PROJECT NO. 744538-02100	P.O. NUMBER 744538-30001-00	CLIENT PHONE hua Liu (617-449-1567(C. Liu)	CLENT EMAIL Chunhua.llu@parsons.com	n, MA 02110	1818:	SAMPLE IDENTIFICATION	1613 ALBW10024	1615 ALBW10025	1625 ALBW10026	1622 ALBW10027	1630 ALBW10028	17:10 ALBW10029	17:00 ALBW10030	1703 ALBW10031	16:55 ALBW10032	0121 99/23/9 & 20-6			ATORY BY: DATE TIME
	SEVERN GTT	TRENT	PROJECT & CLIENT INFORMATION	PROJECT REFERENCE/NAME Ash Landfill Remedial Action	STL (LAB) PROJECT MANAGER Tony Bogolin	CLENT (SITE) PM Jacqueline Travers/Chunhua Llu	CLIENT NAME Parsons	CLIENT ADDRESS 150 Federal Street, Boston, MA 02110	Samplers Signature & Initials:	SAMPLED ON DATE TIME	9/25/2006 10	9/25/2006 10	9/25/2006 10	9/25/2006 10	9/25/2006 10	9/25/2006 17	9/25/2006 17	9/25/2006 1	9/25/2006 16	RELINQUISHED BY: (90)	RECEIVED BY: (SIGNATURE)		RECEIVED FOR LABORATORY BY: (SIGNATURE)

	COC: 25-09-06-1	Unknown		Lab Disposal	PAGE 2 OF 2	Final Report Type (Circle at least one): ASP2000 Category B PDD 30 calender days	TAT/ DATE DUE 3 calender days Per QAP/Quote	EXPEDITED REPORT (arche one) FAX EMAIL POST Other TAT/ DATE DUE		NUMBER OF COOLERS SUBMITTED PER SMPMENT:	REMARKS	1. Run straight sample analysis	(without dilution) for every sample.  2. Use CLP OLM03.2 TCL list for	VOCs and SVOCs.	encores and 1 jar.		Preservative	60	Y: DATE TIME	DATE TIME		<b>6</b>
Page 2 of 2	9, Suite 106	Amherst, NY 14228 Ph: 716-691-2600	Fax: 716-691-7991	Website: www.stl-inc.com	REQUIRED ANALYSES			Weboo	1-820/		NUMBER OF CONTAINERS SUBMITTED		4-	7-					DATE TIME RELINQUISHED BY: (SIGNATURE)	PATE RECEIVED BY:		d. 0°C
	DY RECORD				Sample Information	C	11 <b>3</b> 7c	SWYS	.OBA	TYPE	THE	Grab N S	Grab N S	Grab N S	Grab N S	Grab N S			Y: (BIGNATURE)	,TURE)	LABORATORY USE ONLY CUSTODY SEAL NO. REM	,
	GTT ANALYSIS REQUEST AND CHAIN OF CUSTODY	STL Buffalo				P.O. NUMBER CONTRACTIQUE NO. 744538-30001-00	GLIENT PAX 817-449-1587(C. Liu) 817-946-9777	Culent Ewal. chunhua.liu@parsons.com	110		SAMPLE IDENTIFICATION	16:50 ALBW10033	16:45 ALBW10034	17:08 ALBW10035	17:03 ALBW10031MS	17:03 ALBW10031MSD			DAJE TIME RELINQUISHED BY: (6)	DATE TIME RECEIVED BY: (signature)	DATE TIME CUSTODY INTACT YES ON ON ON ON ON ON ON ON ON ON ON ON ON	
	SEVERN STL AN		51	PROJECT REFERENCE/NAME Ash Lendill Remedial Action	ert (t.Ab) 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:	SAMPLED ON DATE	9/25/2006 16:50 A	9/25/2006 16:45 A	9/25/2006 17:08 A	9/25/2006 17:03 A	9/25/2006 17:03 A			RELINQUISHED BY: (S) CHAPLES (S) CALLES (S)	RECEIVED BY: (SIGNATURE)	RECEIVED FOR LABORATORY BY: (SIGNATURE)		

Lab Name: <u>STL Buffalo</u>	Contract: 744538		ALBW10024
	CALCERCO. <u>144000</u>	<del></del>	
Lab Code: RECNY Case No.:	SAS No.:	SDG No.:	
Matrix: (soil/water) <u>SOIL</u>		Lab Sample ID:	A6B01101
Sample wt/vol: $\underline{6.67}$ (g/mL)	G	Lab File ID:	F2494.RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	09/25/2006 09/26/2006
% Moisture: not dec. <u>13</u> Heated	Purge: Y	Date Analyzed:	09/28/2006
3C Column: <u>DB-624</u> ID: <u>0.18</u> (m	m)	Dilution Factor:	1.00
Soil Extract Volume: (uL)		Soil Aliquot Vol	ume: (uL)

CAS NO.         COMPOUND         (ug/L or ug/Kg)         Ug/Kg         Q           67-64-1Acetone         22         U           71-43-2			CONCENIRATION UNIT	-S	
71-43-2	CAS NO.	COMPOUND			Q
75-27-4				22	U
75-25-2				4	ַוֹי
74-83-9	75-27-4	Bromodichloromethane		4	ט
78-93-32-Butanone       22       U         75-15-0Carbon Disulfide       4       U         56-23-5Carbon Tetrachloride       4       U         108-90-7Chlorobenzene       4       U         75-00-3Chlorobethane       4       U         67-66-3Chloromethane       4       U         74-87-3Chloromethane       4       U         110-82-7Cyclohexane       4       U         106-93-41,2-Dibromochloromethane       4       U         124-48-1Dibromochloromethane       4       U         96-12-81,2-Dibromo-3-chloropropane       4       U         95-50-11,2-Dichlorobenzene       4       U         541-73-11,3-Dichlorobenzene       4       U         75-71-8Dichlorobenzene       4       U         75-71-8Dichlorobenzene       4       U         75-73-31,1-Dichloroethane       4       U         75-341,2-Dichloroethane       4       U         75-35-41,2-Dichloroethene       4       U         78-87-51,2-Dichloropropane       4       U         10061-01-5cis-1,3-Dichloropropane       4       U         10061-02-6trans-1,3-Dichloropropane </td <td></td> <td></td> <td></td> <td>4</td> <td>ע </td>				4	ע
75-15-0Carbon Disulfide       4       U         56-23-5Carbon Tetrachloride       4       U         108-90-7Chlorobenzene       4       U         75-00-3Chloroethane       4       U         67-66-3				4	ប
56-23-5Carbon Tetrachloride       4       U         108-90-7Chlorobenzene       4       U         75-00-3Chlorothane       4       U         67-66-3Chloromethane       4       U         74-87-3Chloromethane       4       U         110-82-7Cyclohexane       4       U         106-93-41, 2-Dibromo-1-chloromethane       4       U         96-12-81, 2-Dibromo-3-chloropropane       4       U         95-50-11, 2-Dichlorobenzene       4       U         95-50-11, 3-Dichlorobenzene       4       U         541-73-11, 3-Dichlorobenzene       4       U         75-71-8Dichlorodifluoromethane       4       U         75-71-8Dichloroethane       4       U         75-34-31, 1-Dichloroethane       4       U         75-35-41, 2-Dichloroethene       4       U         156-59-2cis-1, 2-Dichloroethene       4       U         78-87-51, 1-Dichloropropane       4       U         10061-02-6trans-1, 3-Dichloropropane       4       U         10061-02-6trans-1, 3-Dichloropropane       4       U         100-1-8				22	U
108-90-7Chlorobenzene       4       U         75-00-3Chlorocethane       4       U         67-66-3				4	์   บ
75-00-3Chloroethane       4       U         67-66-3Chloroform       4       U         74-87-3Chloromethane       4       U         110-82-7Cyclohexane       4       U         106-93-41,2-Dibromethane       4       U         124-48-1Dibromochloromethane       4       U         96-12-81,2-Dibromo-3-chloropropane       4       U         95-50-11,2-Dichlorobenzene       4       U         541-73-11,3-Dichlorobenzene       4       U         106-46-71,4-Dichlorobenzene       4       U         75-34-31,1-Dichloroethane       4       U         75-34-31,1-Dichloroethane       4       U         75-35-41,2-Dichloroethene       4       U         156-59-2cis-1,2-Dichloroethene       4       U         156-60-5trans-1,2-Dichloropropene       4       U         10061-01-5cis-1,3-Dichloropropene       4       U         100-41-4Ethylbenzene       4       U         98-82-8				4	ប
67-66-3Chloroform       4       U         74-87-3Chloromethane       4       U         110-82-7Cyclchexane       4       U         106-93-41,2-Dibromoethane       4       U         124-48-1Dibromochloromethane       4       U         96-12-81,2-Dibromo-3-chloropropane       4       U         95-50-11,2-Dibromo-3-chloropropane       4       U         95-50-11,2-Dichlorobenzene       4       U         541-73-11,3-Dichlorobenzene       4       U         541-73-11,3-Dichlorobenzene       4       U         75-71-8Dichlorobenzene       4       U         75-71-8Dichloropethane       4       U         75-34-31,1-Dichloropethane       4       U         75-35-41,2-Dichloropethene       4       U         156-59-2cis-1,2-Dichloropethene       4       U         78-87-51,2-Dichloropropene       4       U         10061-02-6trans-1,3-Dichloropropene       4       U         100-41-4Ethylbenzene       4       U         98-82-8				4	U
74-87-3Chloromethane       4       U         110-82-7Cyclohexane       4       U         106-93-41,2-Dibromoethane       4       U         124-48-1Dibromochloromethane       4       U         96-12-81,2-Dibromo-3-chloropropane       4       U         95-50-11,2-Dichlorobenzene       4       U         541-73-11,3-Dichlorobenzene       4       U         541-73-11,4-Dichlorobenzene       4       U         75-71-8Dichlorobenzene       4       U         75-34-31,1-Dichloroethane       4       U         75-34-31,2-Dichloroethane       4       U         75-35-41,1-Dichloroethene       4       U         156-69-2is-1,2-Dichloroethene       4       U         78-87-51,2-Dichloropropane       4       U         10061-01-5cis-1,3-Dichloropropene       4       U         100-41-4Ethylbenzene       4       U         98-82-8Isopropylbenzene       4       U         98-82-8				4	U
110-82-7Cyclohexane       4       U         106-93-41,2-Dibromoethane       4       U         124-48-1Dibromochloromethane       4       U         96-12-81,2-Dibromo-3-chloropropane       4       U         95-50-11,2-Dichlorobenzene       4       U         541-73-11,3-Dichlorobenzene       4       U         106-46-71,4-Dichlorobenzene       4       U         75-71-8Dichlorodifluoromethane       4       U         75-34-31,1-Dichloroethane       4       U         107-06-21,2-Dichloroethane       4       U         75-35-41,1-Dichloroethene       4       U         156-59-2cis-1,2-Dichloroethene       4       U         78-87-51,2-Dichloroethene       4       U         10061-01-5cis-1,3-Dichloropropane       4       U         10061-02-6trans-1,3-Dichloropropene       4       U         100-41-4Ethylbenzene       4       U         98-82-8Isopropylbenzene       4       U         99-09Methyl acetate       4       U         108-87-2Methylcyclohexane       4       U				4	שו
106-93-41,2-Dibromethane       4       U         124-48-1Dibromochloromethane       4       U         96-12-81,2-Dibromo-3-chloropropane       4       U         95-50-11,2-Dichlorobenzene       4       U         541-73-11,3-Dichlorobenzene       4       U         106-46-71,4-Dichlorobenzene       4       U         75-71-8Dichlorodifluoromethane       4       U         75-34-31,1-Dichloroethane       4       U         107-06-21,2-Dichloroethane       4       U         75-35-41,1-Dichloroethene       4       U         156-59-2cis-1,2-Dichloroethene       4       U         156-60-5trans-1,2-Dichloropropane       4       U         10061-01-5cis-1,3-Dichloropropane       4       U         10061-02-6trans-1,3-Dichloropropene       4       U         100-41-4Ethylbenzene       4       U         591-78-6				4	ប
124-48-1Dibromochloromethane       4       U         96-12-81,2-Dibromo-3-chloropropane       4       U         95-50-11,2-Dichlorobenzene       4       U         541-73-11,3-Dichlorobenzene       4       U         106-46-71,4-Dichlorobenzene       4       U         75-71-8Dichlorodifluoromethane       4       U         75-34-31,1-Dichloroethane       4       U         107-06-21,2-Dichloroethane       4       U         75-35-41,1-Dichloroethene       4       U         156-59-2cis-1,2-Dichloroethene       4       U         78-87-51,2-Dichloroethene       4       U         78-87-51,3-Dichloropropane       4       U         10061-01-5cis-1,3-Dichloropropene       4       U         100-41-4Ethylbenzene       4       U         591-78-62-Hexanone       22       U         98-82-8Methyl acetate       4       U         108-87-2				4	ប
96-12-81,2-Dibromo-3-chloropropane       4       U         95-50-11,2-Dichlorobenzene       4       U         541-73-11,3-Dichlorobenzene       4       U         106-46-71,4-Dichlorobenzene       4       U         75-71-8Dichlorodifluoromethane       4       U         75-34-31,1-Dichloroethane       4       U         107-06-21,2-Dichloroethane       4       U         75-35-41,1-Dichloroethene       4       U         156-69-2cis-1,2-Dichloroethene       4       U         78-87-51,2-Dichloropropane       4       U         10061-01-5cis-1,3-Dichloropropene       4       U         10041-4Ethylbenzene       4       U         591-78-62-Hexanone       22       U         98-82-8Isopropylbenzene       4       U         79-20-9Methyl acetate       4       U         108-87-2Methylcyclohexane       4       U				4	ן ט
95-50-11,2-Dichlorobenzene       4       U         541-73-11,3-Dichlorobenzene       4       U         106-46-71,4-Dichlorobenzene       4       U         75-71-8Dichlorodifluoromethane       4       U         75-34-31,1-Dichloroethane       4       U         107-06-21,2-Dichloroethane       4       U         75-35-41,1-Dichloroethene       4       U         156-59-2cis-1,2-Dichloroethene       4       U         78-87-51,2-Dichloroethene       4       U         78-87-51,2-Dichloropropane       4       U         10061-01-5cis-1,3-Dichloropropene       4       U         10061-02-6trans-1,3-Dichloropropene       4       U         100-41-4Ethylbenzene       4       U         591-78-62-Hexanone       22       U         98-82-8Isopropylbenzene       4       U         79-20-9Methyl acetate       4       U         108-87-2Methylcyclohexane       4       U				4	U
541-73-11,3-Dichlorobenzene       4       U         106-46-71,4-Dichlorobenzene       4       U         75-71-8Dichlorodifluoromethane       4       U         75-34-31,1-Dichloroethane       4       U         107-06-21,2-Dichloroethane       4       U         75-35-41,1-Dichloroethene       4       U         156-59-2cis-1,2-Dichloroethene       4       U         78-87-51,2-Dichloropropane       4       U         10061-01-5cis-1,3-Dichloropropane       4       U         10061-02-6trans-1,3-Dichloropropene       4       U         100-41-4Ethylbenzene       4       U         591-78-62-Hexanone       22       U         98-82-8Methyl acetate       4       U         108-87-2Methylcyclohexane       4       U	96-12-8	1,2-Dibromo-3-chloropropane	<u> </u>	4	ប
106-46-71,4-Dichlorobenzene       4       U         75-71-8Dichlorodifluoromethane       4       U         75-34-31,1-Dichloroethane       4       U         107-06-21,2-Dichloroethane       4       U         75-35-41,1-Dichloroethene       4       U         156-59-2cis-1,2-Dichloroethene       4       U         78-87-51,2-Dichloroethene       4       U         78-87-51,2-Dichloropropane       4       U         10061-01-5cis-1,3-Dichloropropene       4       U         10061-02-6trans-1,3-Dichloropropene       4       U         100-41-4Ethylbenzene       4       U         591-78-62-Hexanone       22       U         98-82-8Methyl acetate       4       U         108-87-2Methylcyclohexane       4       U	95-50-1	1,2-Dichlorobenzene		4	U
75-71-8Dichlorodifluoromethane       4       U         75-34-31,1-Dichloroethane       4       U         107-06-21,2-Dichloroethane       4       U         75-35-41,1-Dichloroethene       4       U         156-59-2cis-1,2-Dichloroethene       4       U         78-87-51,2-Dichloropropane       4       U         10061-01-5cis-1,3-Dichloropropene       4       U         10061-02-6trans-1,3-Dichloropropene       4       U         100-41-4Ethylbenzene       4       U         591-78-62-Hexanone       22       U         98-82-8Methyl acetate       4       U         108-87-2Methylcyclohexane       4       U	541-73-1	1,3-Dichlorobenzene		4	U
75-34-31,1-Dichloroethane       4       U         107-06-21,2-Dichloroethane       4       U         75-35-41,1-Dichloroethene       4       U         156-59-2cis-1,2-Dichloroethene       4       U         78-87-51,2-Dichloropropane       4       U         10061-01-5cis-1,3-Dichloropropene       4       U         10061-02-6trans-1,3-Dichloropropene       4       U         100-41-4Ethylbenzene       4       U         591-78-62-Hexanone       22       U         98-82-8Methyl acetate       4       U         108-87-2Methylcyclohexane       4       U	106-46-7	1,4-Dichlorobenzene		4	U
107-06-21,2-Dichloroethane       4       U         75-35-41,1-Dichloroethene       4       U         156-59-2cis-1,2-Dichloroethene       4       U         78-87-51,2-Dichloropropane       4       U         10061-01-5cis-1,3-Dichloropropene       4       U         10061-02-6trans-1,3-Dichloropropene       4       U         100-41-4Ethylbenzene       4       U         591-78-62-Hexanone       22       U         98-82-8Methyl acetate       4       U         108-87-2				4	ប
75-35-41,1-Dichloroethene       4       U         156-59-2cis-1,2-Dichloroethene       4       U         156-60-5trans-1,2-Dichloroethene       4       U         78-87-51,2-Dichloropropane       4       U         10061-01-5cis-1,3-Dichloropropene       4       U         10061-02-6trans-1,3-Dichloropropene       4       U         100-41-4Ethylbenzene       4       U         591-78-62-Hexanone       22       U         98-82-8Methyl acetate       4       U         108-87-2Methylcyclohexane       4       U				4	บั
156-59-2cis-1,2-Dichloroethene       4       U         156-60-5trans-1,2-Dichloroethene       4       U         78-87-51,2-Dichloropropane       4       U         10061-01-5cis-1,3-Dichloropropene       4       U         10061-02-6trans-1,3-Dichloropropene       4       U         100-41-4Ethylbenzene       4       U         591-78-62-Hexanone       22       U         98-82-8Methyl acetate       4       U         108-87-2				4	U
156-60-5trans-1,2-Dichloroethene       4       U         78-87-51,2-Dichloropropane       4       U         10061-01-5cis-1,3-Dichloropropene       4       U         10061-02-6trans-1,3-Dichloropropene       4       U         100-41-4Ethylbenzene       4       U         591-78-62-Hexanone       22       U         98-82-8Isopropylbenzene       4       U         79-20-9Methyl acetate       4       U         108-87-2Methylcyclohexane       4       U				4	U
78-87-51,2-Dichloropropane       4       U         10061-01-5cis-1,3-Dichloropropene       4       U         10061-02-6trans-1,3-Dichloropropene       4       U         100-41-4Ethylbenzene       4       U         591-78-62-Hexanone       22       U         98-82-8Isopropylbenzene       4       U         79-20-9Methyl acetate       4       U         108-87-2Methylcyclohexane       4       U	156-59-2	cis-1,2-Dichloroethene		4	U
10061-01-5cis-1,3-Dichloropropene       4       U         10061-02-6trans-1,3-Dichloropropene       4       U         100-41-4Ethylbenzene       4       U         591-78-62-Hexanone       22       U         98-82-8Isopropylbenzene       4       U         79-20-9Methyl acetate       4       U         108-87-2Methylcyclohexane       4       U	156-60-5	trans-1,2-Dichloroethene		4	υ
10061-02-6trans-1,3-Dichloropropene       4       U         100-41-4Ethylbenzene       4       U         591-78-62-Hexanone       22       U         98-82-8Isopropylbenzene       4       U         79-20-9Methyl acetate       4       U         108-87-2Methylcyclohexane       4       U				4	ប
100-41-4Ethylbenzene       4       U         591-78-62-Hexanone       22       U         98-82-8Isopropylbenzene       4       U         79-20-9Methyl acetate       4       U         108-87-2Methylcyclohexane       4       U	10061-01-5-	cis-1,3-Dichloropropene		4	ប
100-41-4Ethylbenzene       4       U         591-78-62-Hexanone       22       U         98-82-8Isopropylbenzene       4       U         79-20-9Methyl acetate       4       U         108-87-2Methylcyclohexane       4       U	10061-02-6-	trans-1,3-Dichloropropene		4	]ប
98-82-8Isopropylbenzene       4       U         79-20-9Methyl acetate       4       U         108-87-2Methylcyclohexane       4       U	100-41-4	Ethylbenzene		4	ט
79-20-9Methyl acetate 4 U 108-87-2Methylcyclohexane 4 U				22	U
79-20-9Methyl acetate 4 U 108-87-2Methylcyclohexane 4 U	98-82-8	Isopropylbenzene		4	ט
	79-20-9	Methyl acetate		4	ט -
75-09-2Methylene chloride 6 B				4	ប
	75-09-2	Methylene chloride		6	В

9

13

U

U

#### METHOD 8260 - TCL VOLATILE ORGANICS ANALYSIS DATA SHEET

Client No.

. 1				_	ALB	W10024	÷
Lab Name:	SIL Burrar	<u>o</u>	Contract: <u>744538</u>	3	<b></b>		******
Lab Code:	<u>RECNY</u> C	ase No.:	SAS No.:	SDG No.:			
Matrix: (	soil/water)	SOIL		Lab Sampl	e ID: <u>A6B0</u>	1101	
Sample wt	/vol:	6.67 (g/mL)	<u>G</u>	Lab File	ID: <u>F249</u>	4.RR	_
Level:	(low/med)	LOW		Date Samp	/Recv: <u>09/2</u>	<u>5/2006 09</u>	/26/2006
% Moistur	e: not dec.	<u>13</u> Heate	d Purge: Y	Date Anal	yzed: <u>09/28</u>	<u>3/2006</u>	
3C Column	: <u>DB-624</u>	ID: <u>0.18</u> (	nm)	Dilution	Factor:	1.00	
Soil Extr	act Volume:	(uL)		Soil Alic	uot Volume: _		(uL)
	•			CONCENTRATION	UNITS:		
	CAS NO.	COMPOUND		(ug/L or ug/	Kg) <u>UG/KG</u>	_ Q	
	108-10-1	4-Methyl-2-	pentanone	·	22	U	7
			tyl Ether (MTBE)		4	U	
1	100 40 E	Chr. manno	·- · -		4	ប	
1	79-34-5	1,1,2,2-Tet	rachloroethane		4	ប	
	127-18-4	Tetrachloro	ethene		4	U .	
	108-88-3	Toluene			4	. <b>U</b>	
. [	120-82-1	1,2,4-Trich	lorobenzene		4	ប	
		1,1,1-Trich			4	ប	
		1,1,2-Trich			4	ប	
			loro-1,2,2-trifl		4	บ	
	75-69-4	Trichlorofly	uoromethane		4	ប	1
		Trichloroet			4	ប	
1:	108-05-4	Vinyl aceta	te		. 22	ប	i

108-05-4-----Vinyl acetate 75-01-4-----Vinyl chloride

1330-20-7----Total Xylenes

### METHOD 8260 - TCL VOLATILE ORGANICS TENTATIVELY IDENTIFIED COMPOUNDS

Client	No
--------	----

Lab Name	: SIL Buffalo	Cor	ntract: <u>744538</u>				ALBW1002	- <del></del>	
Lab Code	: <u>RECNY</u> Case N	o.:	SAS No.:	_	SDG No.:		•		
Matrix:	(soil/water) <u>SOIL</u>	•			Lab Samp	le ID:	A6B0110	)1	
Sample w	t/vol: <u>6.</u>	<u>67</u> (g/mL) <u>G</u>	• .		Lab File	ID:	F2494.F	R.	<u> </u>
Level:	(low/med) <u>LOW</u>				Date Sam	p/Recv:	09/25/2	2006	09/26/2006
% Moistu	re: not dec. 13.	<u> </u>			Date Ana	lyzed:	09/28/2	2006	
GC Colum	n: <u>DB-624</u> II	D: <u>0.18</u> (mm)			Dilution	Factor	:1.0	<u>00</u>	
Soil Ext	ract Volume:	_ (uL)			Soil Alie	quot Vo.	lume:		_ (uL)
Number T	ICs found: <u>0</u>				CONCENTRAT (ug/L or 1	_			
	CAS NO.	Co	mpound Name		RT	Est.	Conc.	Q	7

Client No.

Lab Name: <u>STL Buffalo</u> (	Contract: <u>744538</u>	<u> </u>	ALBW10025
Lab Code: <u>RECNY</u> Case No.:	SAS No.:	SDG No.:	
Matrix: (soil/water) <u>SOIL</u>		Lab Sample ID:	A6B01102
Sample wt/vol: $\underline{6.48}$ (g/mL)	G	Lab File ID:	F2495.RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	09/25/2006 09/26/2006
% Moisture: not dec. <u>10</u> Heated	Purge: Y	Date Analyzed:	09/28/2006
GC Column: <u>DB-624</u> ID: <u>0.18</u> (mr	n)	Dilution Factor:	1.00

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

#### CONCENTRATION UNITS: CAS NO. COMPOUND (uq/L or uq/Kq) UG/KG Q 67-64-1----Acetone 21 IJ 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 U 21 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 U 4 110-82-7-----Cyclohexane 4 U 106-93-4----1,2-Dibromoethane IJ 4 124-48-1----Dibromochloromethane U 4 96-12-8----1,2-Dibromo-3-chloropropane 4 U 95-50-1----1,2-Dichlorobenzene 4 U 541-73-1----1,3-Dichlorobenzene U 106-46-7----1,4-Dichlorobenzene 4 U 4 U 75-71-8-----Dichlorodifluoromethane 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 U 4 156-60-5----trans-1,2-Dichloroethene 4 U 78-87-5----1,2-Dichloropropane 4 U 10061-01-5---cis-1,3-Dichloropropene U 4 10061-02-6---trans-1,3-Dichloropropene U 4 100-41-4----Ethylbenzene 4 U 591-78-6----2-Hexanone ប 21 98-82-8----Isopropylbenzene 4 U 79-20-9-----Methyl acetate 4 Ū 108-87-2----Methylcyclohexane 4 U 75-09-2-----Methylene chloride 3 BJ

#### METHOD 8260 - TCL VOLATILE ORGANICS ANALYSIS DATA SHEET

•			
Lab Name: STL Buffalo Contract: 744538	2	ALBW10025	· · ·
Lab Code: RECNY Case No.: SAS No.:	_ SDG No.:		
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID:	A6B01102	
Sample wt/vol: $\underline{6.48}$ (g/mL) $\underline{G}$	Lab File ID:	F2495.RR	
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	<u>09/25/2006</u> <u>0</u>	9/26/2006
Moisture: not dec. <u>10</u> Heated Purge: Y	Date Analyzed:	09/28/2006	
SC Column: <u>DB-624</u> ID: <u>0.18</u> (mm)	Dilution Factor:	1.00	
Soil Extract Volume: (uL)	Soil Aliquot Volu	me:	(uL)
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) U	<u>g/kg</u> q	
108-10-14-Methyl-2-pentanone		21 U	
1634-04-4Methyl-t-Butyl Ether (MIBE)		4 U	
		4 U	_
79-34-5Tetrachloroethane		4 U	
TO I TOUR AND TOUR AND TOUR AND THE PARTY OF		4 U	
108-88-3Toluene		4 U	
120.02.11,2,4-11101000012616		4 U	
71-55-61,1,1-Trichloroethane		4 U	
79-00-51,1,2-Trichloroethane	-	4 ប	1
76-13-11,1,2-Trichloro-1,2,2-trifluo	proethane	4 U	
75-69-4Trichlorofluoromethane		4 U	-
79-01-6Trichloroethene		13	
108-05-4Vinyl acetate		21 U	ł
75-01-4Vinyl chloride		8 ប្រ	
1330-20-7Total Xylenes		13  ປ	

#### METHOD 8260 - TCL VOLATILE ORGANICS TENTATIVELY IDENTIFIED COMPOUNDS

			ALBW10025	
Lab Name: STL Buffalo Co	ntract: <u>744538</u>	<u> </u>		
Lab Code: RECNY Case No.:	SAS No.:	SDG No.:		
Matrix: (soil/water) <u>SOIL</u>		Lab Sample ID:	A6B01102	
Sample wt/vol: 6.48 (g/mL) G	<del>-</del>	Lab File ID:	F2495.RR	
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	09/25/2006	09/26/2006
% Moisture: not dec. 10.2		Date Analyzed:	09/28/2006	
GC Column: <u>DB-624</u> ID: <u>0.18</u> (mm	)	Dilution Factor:	1.00	
Soil Extract Volume: (uL)	•	Soil Aliquot Vol	ume:	_ (uL)
Number TICs found:0		CONCENTRATION UNIT (ug/L or ug/Kg)		
CAS NO C	omen bear	DT Fot	Coma	<b>-</b> ]·

4

4

4

4

4

4

2

21

U

U

U

U

U

ы

U

U

#### METHOD 8260 - TCL VOLATILE ORGANICS ANALYSIS DATA SHEET

Client No.

Lab Name: SIL Buffalo Contract: 744538	<del>_</del>	ALBW10026
Lab Code: RECNY Case No.: SAS No.:	SDG No.:	
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID:	A6B01103
Sample wt/vol: 6.26 (g/mL) G	Lab File ID:	F2496.RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	09/25/2006 09/26/2006
% Moisture: not dec. <u>3</u> Heated Purge: Y	Date Analyzed:	09/28/2006
GC Column: <u>DB-624</u> ID: <u>0.18</u> (mm)	Dilution Factor:	1.00
Soil Extract Volume: (uL)	Soil Aliquot Volu	.me: (uL)
		•

#### CONCENTRATION UNITS: 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----Bromoform U 4 74-83-9-----Bromomethane 4 U 78-93-3----2-Butanone 21 U

75-15-0-----Carbon Disulfide

591-78-6----2-Hexanone

98-82-8----Isopropylbenzene

108-87-2----Methylcyclohexane

75-09-2-----Methylene chloride

79-20-9-----Methyl acetate

56-23-5-----Carbon Tetrachloride

	ALBW10026
Lab Name: STL Buffalo Contract: 74453	8
Lab Code: RECNY Case No.: SAS No.:	SDG No.:
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: A6B01103
Sample wt/vol: $\underline{6.26}$ (g/mL) $\underline{G}$	Lab File ID: F2496.RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv: 09/25/2006 09/26/2006
% Moisture: not dec. 3 Heated Purge: Y	Date Analyzed: 09/28/2006
GC Column: <u>DB-624</u> ID: <u>0.18</u> (mm)	Dilution Factor:1.00
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u> Q
108-10-14-Methyl-2-pentanone 1634-04-4Methyl-t-Butyl Ether (MTBE) 100-42-5Styrene 79-34-51,1,2,2-Tetrachloroethane	21 U U U U U U U U U U U U U U U U U U U

		<i>5</i> ,	<del></del>	~
108-10-1	4-Methyl-2-pentanone		21	U
	Methyl-t-Butyl Ether (MTBE)		<b>4</b> ,.	์ (บ
100-42-5			4	U
79-34-5	1,1,2,2-Tetrachloroethane		4	U
	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	ן ט
79-00-5	1,1,2-Trichloroethane		4	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoro	ethane	4	ט
	Trichlorofluoromethane		4	<del>υ</del>
79-01-6	Trichloroethene		4	U
108-05-4	Vinyl acetate		21	U
75-01-4	Vinyl chloride		8	ט
	Total Xvlenes		12	lυ

#### METHOD 8260 - TCL VOLATILE ORGANICS TENTATIVELY IDENTIFIED COMPOUNDS

	•	·		7	ALBW10026	5	
Lab Name:	STL Buffalo	Contract: <u>744538</u>	<u>.</u>				
Lab Code:	RECNY Case No.	: SAS No.:	SDG No.:	·			•
Matrix:	(soil/water) <u>SOIL</u>		Lab Samp.	le ID:	A6B01103	<u> </u>	
Sample wt	:/vol: <u>6.26</u>	(g/mL) <u>G</u>	Lab File	ID:	F2496.RF	2	
Level:	(low/med) <u>LOW</u>		Date Sam	o/Recv:	09/25/20	06 09/2	26/2006
% Moistur	re: not dec. <u>3.3</u>		Date Ana	lyzed:	09/28/20	06	
GC Column	n: <u>DB-624</u> ID	0.18 (mm)	Dilution	Factor:	1.00		
Soil Extr	ract Volume:	(uL)	Soil Alic	quot Volu	me:	(u	L)
Number Ti	Cs found: 0		CONCENTRATE				
	CAS NO.	Compound Name	RT	Est. (	Conc.	Q	

Client No.

			ALBW10027
Lab Name: <u>STL Buffalo</u>	Contract: <u>744538</u>	· .	
Lab Code: <u>RECNY</u> Case No.:	SAS No.:	SDG No.:	•
Matrix: (soil/water) <u>SOIL</u>		Lab Sample ID:	A6B01104
Sample wt/vol: 6.22 (g/mL)	<u>G</u>	Lab File ID:	F2497.RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	09/25/2006 09/26/2006
% Moisture: not dec. <u>15</u> Heated	d Purge: <u>Y</u>	Date Analyzed:	09/28/2006
GC Column: <u>DB-624</u> ID: <u>0.18</u> (m	m)	Dilution Factor:	1.00

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

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

	71-43-2Benzene		บ	
į	75-27-4Bromodichloromethane		υ	
	75-25-2Bromoform	5	U	
	74-83-9Bromomethane	5	บ	
	78-93-32-Butanone		บ .	
	75-15-0Carbon Disulfide		U	
	56-23-5Carbon Tetrachloride		บ	
	108-90-7Chlorobenzene	=	ט	
	75-00-3Chloroethane	_	ט	
	67-66-3Chloroform	_	ប់	
	74-87-3Chloromethane		ט	
	110-82-7Cyclohexane	<b>-</b> 1	U	
	106-93-41,2-Dibromoethane	5	บ	
	124-48-1Dibromochloromethane	- 1	י ט	
	96-12-81,2-Dibromo-3-chloropropane	-	ับ	
	95-50-11,2-Dichlorobenzene	_	ט	
	541-73-11,3-Dichlorobenzene	5	ַ ט	
	106-46-71,4-Dichlorobenzene	5	ט	
	75-71-8Dichlorodifluoromethane	5	ט	
	75-34-31,1-Dichloroethane	5	U	
	107-06-21,2-Dichloroethane	5	ַ ט	
	75-35-41,1-Dichloroethene	5	U	
	156-59-2cis-1,2-Dichloroethene	5	ប	
	156-60-5trans-1,2-Dichloroethene	5	Ų	ı
	78-87-51,2-Dichloropropane	5	ប	ı
	10061-01-5cis-1,3-Dichloropropene	5	υ	ı
	10061-02-6trans-1,3-Dichloropropene	. 5	U	ı
	100-41-4Ethylbenzene	5	U	l
	591-78-62-Hexanone	24	ט	
	98-82-8Isopropylbenzene	5 . :	ַ ט	
	79-20-9Methyl acetate	5	U	
	108-87-2Methylcyclohexane	5	ַ	ĺ
	75-09-2Methylene chloride	3	BJ	ĺ
				4

·			ALBW10027
Lab Name: <u>STL Buffalo</u>	Contract: <u>744538</u>	·	
Lab Code: RECNY Case No.:	SAS No.:	SDG No.:	
Matrix: (soil/water) SOIL		Lab Sample ID:	A6B01104
Sample wt/vol: $\underline{6.22}$ (g/mL)	<u>G</u>	Lab File ID:	F2497.RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	09/25/2006 09/26/2006
Moisture: not dec. 15 Heate	d Purge: <u>Y</u>	Date Analyzed:	09/28/2006
GC Column: <u>DB-624</u> ID: <u>0.18</u> (	mm)	Dilution Factor:	1.00
Soil Extract Volume: (uL)		Soil Aliquot Vol	ume: (uT <sub>r</sub> )

CAS NO. COMPOUND	CONCENTRATION UNIT (ug/L or ug/Kg)	rs: <u>UG/KG</u>	Q
108-10-14-Methyl-2-pentanone		24	U
1634-04-4Methyl-t-Butyl Ether (MTBE)	·	. 5	ן ט
100-42-5Styrene		5	<b>U</b>
79-34-51,1,2,2-Tetrachloroethane		5	U
127-18-4Tetrachloroethene		5	Ū
108-88-3Toluene		5	U
120-82-11,2,4-Trichlorobenzene		5	U
71-55-61,1,1-Trichloroethane		5	ט
79-00-51,1,2-Trichloroethane		5	U.
76-13-11,1,2-Trichloro-1,2,2-triflu	oroethane	5	ប
75-69-4Trichlorofluoromethane	· -	5	U
79-01-6Trichloroethene		5	U
108-05-4Vinyl acetate		24	ט
75-01-4Vinyl chloride		9	U
1330-20-7Total Xylenes		14	Ū

#### METHOD 8260 - TCL VOLATILE ORGANICS TENTATIVELY IDENTIFIED COMPOUNDS

CI	i	ent.	No

		4.	ALBW10027	<u> </u>
Lab Name: <u>STL Buffalo</u> Con	tract: <u>744538</u>	L		
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) <u>LOW</u>		Date Samp/Recv:	09/25/2006	09/26/2006
% Moisture: not dec. 14.7		Date Analyzed:	09/28/2006	
GC Column: <u>DB-624</u> ID: <u>0.18</u> (mm)		Dilution Factor:	1.00	
Soil Extract Volume: (uL)		Soil Aliquot Vol	ume:	_ (uL)
Number TICs found: 0		CONCENTRATION UNIT (ug/L or ug/Kg)		

CAS NO.	Compound Name	RT	Est. Conc.	Q

Client No.

	_		
ALBW10028			

Contract: 744538 Lab Name: STL Buffalo

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

Lab Sample ID: A6B01105 Matrix: (soil/water) SOIL

Lab File ID: F2498.RR Sample wt/vol:  $\underline{6.30}$  (g/mL)  $\underline{G}$ 

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

% Moisture: not dec. 9 Heated Purge: Y Date Analyzed: 09/28/2006

GC Column: <u>DB-624</u> ID: <u>0.18</u> (mm) Dilution Factor: \_\_\_\_1.00

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

## CONCENTRATION UNITS:

		CONCENTRATION UNIT		_
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	ען
56-23-5	Carbon Tetrachloride		4	ט
108-90-7	Chlorobenzene		4	U .
75-00-3	Chloroethane		4	ט
67-66-3	Chloroform		4	U
74-87-3	Chloromethane		4	ָּט
110-82-7	Cyclohexane		4	U
106-93-4	1,2-Dibromoethane		4	ָט
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	<b>ע</b>
75-35-4	1,1-Dichloroethene		4	U
156-59-2	cis-1,2-Dichloroethene		4	ע
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	ע
10061-02-6-	trans-1,3-Dichloropropene	·	4	טן
	Ethylbenzene		4	ע
591-78-6	2-Hexanone		22	U
98-82-8	Isopropylbenzene		4	ט
79-20-9	Methyl acetate		4	ש
	Methylcyclohexane		4	บ
75-09-2	Methylene chloride		3	BJ

					A	LBW10028		
Lab Name:	STL Buffalo	Contract:	744538	<del>-</del>	L		*****	
Lab Code:	<u>RECNY</u> Case	No.: SAS No	.:	SDG No.:		•		
Matrix: (s	soil/water) <u>sc</u>	<u>IL</u>		Lab Sample I	D: <u>A6</u>	B01105	•	
Sample wt/	/vol:	6.30 (g/mL) <u>G</u>		Lab File ID:	<u>F2</u>	498.RR	<del></del> .	
Level:	(low/med) <u>LC</u>	<u>w</u>		Date Samp/Re	cv: <u>09</u>	/25/2006	09/2	6/2006
% Moisture	e: not dec	9 Heated Purge: Y	• i	Date Analyze	d: <u>09</u>	/28/2006		
3C Column:	: <u>DB-624</u>	ID: <u>0.18</u> (mm)		Dilution Fac	tor:	1.00		
Soil Extra	act Volume: _	(uL)		Soil Aliquot	: Volume	:	(u	L)
			CON	CENTRATION UN	IITS:			
	CAS NO.	COMPOUND	(u	g/L or ug/Kg)	UG/	KG_	Q	
·	108-10-1	4-Methyl-2-pentanone			22		• 1	
13	1634-04-4	Methyl-t-Butyl Ether	(MTBE)		4			
	100-42-5			•	4	.  U	J	
		1,1,2,2-Tetrachloroet	hane		4			
1	127-18-4	Tetrachloroethene			4			
	 108-88 <b>-</b> 3			ł	4		J	
		1,2,4-Trichlorobenzer	ne		. 4	.  t	J	
		1,1,1-Trichloroethane			4	; <b>[</b> [	J	
		1,1,2-Trichloroethane			4	. It	J	
		1,1,2-Trichloro-1,2,2		thane	4	.  t	J	
		Trichlorofluoromethan			4	:  t	J	
		Trichloroethene			4	Ţ	J	
		Vinyl acetate			22	:  t	J	
		Vinyl chloride			. 9	<b>)</b>  t	J	
1:	1330-20-7	Total Xylenes			13	3   T	J	

#### METHOD 8260 - TCL VOLATILE ORGANICS TENIATIVELY IDENTIFIED COMPOUNDS

Lab Name: STL Buff	alo	Contract: 744538		ALIDWIU026	,
Lab Code: <u>RECNY</u>	Case No.:	SAS No.:	SDG No.:		•
Matrix: (soil/wate	r) <u>SOIL</u>		Lab Sample ID:	A6B01105	
Sample wt/vol:	<u>6.30</u> (g/ml	Ŀ) <u>G</u>	Lab File ID:	F2498.RR	· ·
Level: (low/med)	LOW		Date Samp/Recv	: 09/25/2006	09/26/2006
% Moisture: not de	c. <u>8.7</u>		Date Analyzed:	09/28/2006	
GC Column: <u>DB-624</u>	ID: 0.18	(mm)	Dilution Facto	r: <u>1.00</u>	
Soil Extract Volum	e: (uL)		Soil Aliquot V	olume:	_ (uL)
Number TICs found:	0		CONCENTRATION UN (ug/L or ug/Kg)		
CAS	NO.	Compound Name	RT Est	. Conc. O	7

Client No.

		ALBW10029
ab Name: STL Buffalo Contract: 744538	<del></del>	
Lab Code: RECONY Case No.: SAS No.:	SDG No.:	•
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID:	A6B01106
Sample wt/vol: $\underline{4.67}$ (g/mL) $\underline{G}$	Lab File ID:	F2499.RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	09/25/2006 09/26/2006
Moisture: not dec7 Heated Purge: Y	Date Analyzed:	09/28/2006
C Column: <u>DB-624</u> ID: <u>0.18</u> (mm)	Dilution Factor:	1.00
Soil Extract Volume: (uL)	Soil Aliquot Vol	ume: (uL)

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

67-64-1	CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
75-27-4	67-64-1	Acetone	·	29	
75-25-2					
74-83-9	75-27-4	Bromodichloromethane		б	1 .
78-93-32-Butanone       29       U         75-15-0Carbon Disulfide       6       U         56-23-5Carbon Tetrachloride       6       U         108-90-7Chlorobenzene       6       U         75-00-3Chlorobenzene       6       U         67-66-3Chloromethane       6       U         110-82-7	75-25-2	Bromoform		6	
75-15-0Carbon Disulfide       6       U         56-23-5Carbon Tetrachloride       6       U         108-90-7Chlorobenzene       6       U         75-00-3Chloroethane       6       U         67-66-3Chloromethane       6       U         74-87-3	74-83-9	Bromomethane			1 - 1
56-23-5Carbon Tetrachloride         6         U           108-90-7Chlorobenzene         6         U           75-00-3				29	
108-90-7Chlorobenzene         6         U           75-00-3Chloroform         6         U           67-66-3Chloroform         6         U           74-87-3Chloromethane         6         U           110-82-7	75-15-0	Carbon Disulfide	·	6	ן ט
75-00-3Chloroethane         6         U           67-66-3Chloroform         6         U           74-87-3Chloromethane         6         U           110-82-7	56-23-5	Carbon Tetrachloride			U
67-66-3Chloroform       6       U         74-87-3Chloromethane       6       U         110-82-7Cyclohexane       6       U         106-93-41,2-Dibromoethane       6       U         124-48-1Dibromochloromethane       6       U         96-12-81,2-Dibromo-3-chloropropane       6       U         95-50-11,2-Dichlorobenzene       6       U         541-73-11,3-Dichlorobenzene       6       U         106-46-71,4-Dichlorobenzene       6       U         75-71-8Dichlorobenzene       6       U         75-34-31,1-Dichloroethane       6       U         107-06-21,2-Dichloroethane       6       U         75-35-41,1-Dichloroethene       6       U         156-60-5trans-1,2-Dichloroethene       2       J         156-60-5trans-1,2-Dichloropropene       6       U         10061-01-5cis-1,3-Dichloropropene       6       U         10061-02-6trans-1,3-Dichloropropene       6       U         98-82-8Isopropylbenzene       6       U         98-82-8	108-90-7	Chlorobenzene		6	ע
74-87-3Chloromethane         6         U           110-82-7Cyclohexane         6         U           106-93-41,2-Dibromoethane         6         U           124-48-1Dibromochloromethane         6         U           96-12-81,2-Dibromo-3-chloropropane         6         U           95-50-11,2-Dichlorobenzene         6         U           541-73-11,3-Dichlorobenzene         6         U           106-46-71,4-Dichlorobenzene         6         U           75-71-8Dichlorobenzene         6         U           75-71-8Dichlorobenzene         6         U           107-06-21,1-Dichloroethane         6         U           107-06-21,2-Dichloroethene         6         U           156-59-2cis-1,2-Dichloroethene         2         J           156-60-5trans-1,2-Dichloroethene         6         U           10061-01-5cis-1,3-Dichloropropane         6         U           10061-02-6trans-1,3-Dichloropropene         6         U           100-41-4Ethylbenzene         29         U           98-82-8Methyl acetate         6         U           108-87-2	75-00-3	Chloroethane		6	ט
110-82-7Cyclohexane       6       U         106-93-41,2-Dibromoethane       6       U         124-48-1Dibromochloromethane       6       U         96-12-81,2-Dibromo-3-chloropropane       6       U         95-50-11,2-Dichlorobenzene       6       U         541-73-11,3-Dichlorobenzene       6       U         75-71-8Dichlorobenzene       6       U         75-34-31,1-Dichloroethane       6       U         75-34-31,2-Dichloroethane       6       U         75-35-41,1-Dichloroethene       6       U         156-59-2cis-1,2-Dichloroethene       2       J         156-60-5trans-1,2-Dichloroethene       6       U         10061-01-5cis-1,3-Dichloropropene       6       U         10061-02-6trans-1,3-Dichloropropene       6       U         100-41-4Ethylbenzene       6       U         591-78-62-Hexanone       29       U         98-82-8	67-66-3	Chloroform		6	<b>U</b>
106-93-41,2-Dibromoethane       6       U         124-48-1Dibromochloromethane       6       U         96-12-81,2-Dibromo-3-chloropropane       6       U         95-50-11,2-Dichlorobenzene       6       U         541-73-11,3-Dichlorobenzene       6       U         106-46-71,4-Dichlorobenzene       6       U         75-71-8Dichlorodifluoromethane       6       U         75-34-31,1-Dichloroethane       6       U         107-06-21,2-Dichloroethane       6       U         75-35-41,1-Dichloroethene       6       U         156-59-2cis-1,2-Dichloroethene       2       J         156-60-5trans-1,2-Dichloroethene       6       U         10061-01-5cis-1,3-Dichloropropane       6       U         10061-02-6trans-1,3-Dichloropropene       6       U         100-41-4Ethylbenzene       6       U         591-78-62-Hexanone       29       U         98-82-8Methyl acetate       6       U         108-87-2	74-87-3	Chloromethane		6	ט
124-48-1Dibromochloromethane       6       U         96-12-81,2-Dibromo-3-chloropropane       6       U         95-50-11,2-Dichlorobenzene       6       U         541-73-11,3-Dichlorobenzene       6       U         106-46-71,4-Dichlorobenzene       6       U         75-71-8Dichlorodifluoromethane       6       U         75-34-31,1-Dichloroethane       6       U         107-06-21,2-Dichloroethane       6       U         75-35-41,1-Dichloroethene       6       U         156-59-2cis-1,2-Dichloroethene       2       J         156-60-5trans-1,2-Dichloroethene       6       U         78-87-51,2-Dichloropropane       6       U         10061-01-5cis-1,3-Dichloropropane       6       U         100-41-4Ethylbenzene       6       U         591-78-62-Hexanone       29       U         98-82-8Methyl acetate       6       U         108-87-2Methylcyclohexane       6       U	110-82-7	Cyclohexane		6	ט
96-12-81,2-Dibromo-3-chloropropane       6       U         95-50-11,2-Dichlorobenzene       6       U         541-73-11,3-Dichlorobenzene       6       U         106-46-71,4-Dichlorobenzene       6       U         75-71-8Dichlorodifluoromethane       6       U         75-34-31,1-Dichloroethane       6       U         107-06-21,2-Dichloroethane       6       U         75-35-41,1-Dichloroethene       6       U         156-59-2cis-1,2-Dichloroethene       2       J         156-60-5trans-1,2-Dichloroethene       6       U         78-87-51,2-Dichloropropane       6       U         10061-01-5cis-1,3-Dichloropropene       6       U         100-41-4Ethylbenzene       6       U         591-78-62-Hexanone       29       U         98-82-8Bethyl acetate       6       U         108-87-2Methyl acetate       6       U         108-87-2Methyl cyclohexane       6       U	106-93-4	1,2-Dibromoethane		6	ע
95-50-11,2-Dichlorobenzene       6       U         541-73-11,3-Dichlorobenzene       6       U         106-46-71,4-Dichlorobenzene       6       U         75-71-8Dichlorodifluoromethane       6       U         75-34-31,1-Dichloroethane       6       U         107-06-21,2-Dichloroethane       6       U         75-35-41,1-Dichloroethene       6       U         156-59-2cis-1,2-Dichloroethene       2       J         156-60-5trans-1,2-Dichloroethene       6       U         78-87-51,2-Dichloropropane       6       U         10061-01-5cis-1,3-Dichloropropene       6       U         10061-02-6trans-1,3-Dichloropropene       6       U         100-41-4Ethylbenzene       6       U         591-78-62-Hexanone       29       U         98-82-8Isopropylbenzene       6       U         79-20-9Methyl acetate       6       U         108-87-2Methylcyclohexane       6       U	124-48-1	Dibromochloromethane		6	ט
541-73-11,3-Dichlorobenzene       6       U         106-46-71,4-Dichlorobenzene       6       U         75-71-8Dichlorodifluoromethane       6       U         75-34-31,1-Dichloroethane       6       U         107-06-21,2-Dichloroethane       6       U         75-35-41,1-Dichloroethene       6       U         156-59-2cis-1,2-Dichloroethene       2       J         156-60-5trans-1,2-Dichloroethene       6       U         78-87-51,2-Dichloropropane       6       U         10061-01-5cis-1,3-Dichloropropene       6       U         10061-02-6trans-1,3-Dichloropropene       6       U         100-41-4Ethylbenzene       6       U         591-78-62-Hexanone       29       U         98-82-8Methyl acetate       6       U         108-87-2Methylcyclohexane       6       U	96-12-8	1,2-Dibromo-3-chloropropane			ប
106-46-71,4-Dichlorobenzene       6       U         75-71-8Dichlorodifluoromethane       6       U         75-34-31,1-Dichloroethane       6       U         107-06-21,2-Dichloroethane       6       U         75-35-41,1-Dichloroethene       6       U         156-59-2cis-1,2-Dichloroethene       2       J         156-60-5trans-1,2-Dichloroethene       6       U         78-87-51,2-Dichloropropane       6       U         10061-01-5cis-1,3-Dichloropropene       6       U         10061-02-6trans-1,3-Dichloropropene       6       U         100-41-4Ethylbenzene       6       U         591-78-62-Hexanone       29       U         98-82-8Methyl acetate       6       U         108-87-2	95-50-1	1,2-Dichlorobenzene		6	ט
75-71-8Dichlorodifluoromethane       6       U         75-34-31,1-Dichloroethane       6       U         107-06-21,2-Dichloroethane       6       U         75-35-41,1-Dichloroethene       6       U         156-59-2cis-1,2-Dichloroethene       2       J         156-60-5trans-1,2-Dichloroethene       6       U         78-87-51,2-Dichloropropane       6       U         10061-01-5cis-1,3-Dichloropropene       6       U         10061-02-6trans-1,3-Dichloropropene       6       U         100-41-4Ethylbenzene       6       U         591-78-62-Hexanone       29       U         98-82-8Isopropylbenzene       6       U         79-20-9Methyl acetate       6       U         108-87-2Methylcyclohexane       6       U	541-73-1	1,3-Dichlorobenzene		6	ט
75-34-31,1-Dichloroethane       6       U         107-06-21,2-Dichloroethane       6       U         75-35-41,1-Dichloroethene       6       U         156-59-2cis-1,2-Dichloroethene       2       J         156-60-5trans-1,2-Dichloroethene       6       U         78-87-51,2-Dichloropropane       6       U         10061-01-5cis-1,3-Dichloropropene       6       U         10061-02-6trans-1,3-Dichloropropene       6       U         100-41-4Ethylbenzene       6       U         591-78-62-Hexanone       29       U         98-82-8Isopropylbenzene       6       U         79-20-9Methyl acetate       6       U         108-87-2Methylcyclohexane       6       U	106-46-7	1,4-Dichlorobenzene		6.	[U
107-06-21,2-Dichloroethane       6       U         75-35-41,1-Dichloroethene       6       U         156-59-2cis-1,2-Dichloroethene       2       J         156-60-5trans-1,2-Dichloroethene       6       U         78-87-51,2-Dichloropropane       6       U         10061-01-5cis-1,3-Dichloropropene       6       U         10061-02-6trans-1,3-Dichloropropene       6       U         100-41-4Ethylbenzene       6       U         591-78-62-Hexanone       29       U         98-82-8Isopropylbenzene       6       U         79-20-9Methyl acetate       6       U         108-87-2Methylcyclohexane       6       U	75-71-8	Dichlorodifluoromethane		6	ט
75-35-41,1-Dichloroethene       6       U         156-59-2cis-1,2-Dichloroethene       2       J         156-60-5trans-1,2-Dichloroethene       6       U         78-87-51,2-Dichloropropane       6       U         10061-01-5cis-1,3-Dichloropropene       6       U         10061-02-6trans-1,3-Dichloropropene       6       U         100-41-4Ethylbenzene       6       U         591-78-62-Hexanone       29       U         98-82-8Isopropylbenzene       6       U         79-20-9Methyl acetate       6       U         108-87-2Methylcyclohexane       6       U	75-34-3	1,1-Dichloroethane		6	ט
156-59-2cis-1,2-Dichloroethene       2       J         156-60-5trans-1,2-Dichloroethene       6       U         78-87-51,2-Dichloropropane       6       U         10061-01-5cis-1,3-Dichloropropene       6       U         10061-02-6trans-1,3-Dichloropropene       6       U         100-41-4Ethylbenzene       6       U         591-78-62-Hexanone       29       U         98-82-8Isopropylbenzene       6       U         79-20-9Methyl acetate       6       U         108-87-2Methylcyclohexane       6       U	107-06-2	1,2-Dichloroethane		6	ן ט
156-60-5trans-1,2-Dichloroethene       6       U         78-87-51,2-Dichloropropane       6       U         10061-01-5cis-1,3-Dichloropropene       6       U         10061-02-6trans-1,3-Dichloropropene       6       U         100-41-4Ethylbenzene       6       U         591-78-62-Hexanone       29       U         98-82-8Isopropylbenzene       6       U         79-20-9Methyl acetate       6       U         108-87-2Methylcyclohexane       6       U	75-35-4	1,1-Dichloroethene		6	ט
78-87-51,2-Dichloropropane       6       U         10061-01-5cis-1,3-Dichloropropene       6       U         10061-02-6trans-1,3-Dichloropropene       6       U         100-41-4Ethylbenzene       6       U         591-78-62-Hexanone       29       U         98-82-8Isopropylbenzene       6       U         79-20-9Methyl acetate       6       U         108-87-2Methylcyclohexane       6       U	156-59-2	cis-1,2-Dichloroethene		2	J
78-87-51,2-Dichloropropane       6       U         10061-01-5cis-1,3-Dichloropropene       6       U         10061-02-6trans-1,3-Dichloropropene       6       U         100-41-4Ethylbenzene       6       U         591-78-62-Hexanone       29       U         98-82-8Isopropylbenzene       6       U         79-20-9Methyl acetate       6       U         108-87-2Methylcyclohexane       6       U	156-60-5	trans-1,2-Dichloroethene		6	U
10061-02-6trans-1,3-Dichloropropene       6       U         100-41-4Ethylbenzene       6       U         591-78-62-Hexanone       29       U         98-82-8Isopropylbenzene       6       U         79-20-9Methyl acetate       6       U         108-87-2Methylcyclohexane       6       U	78-87-5	1,2-Dichloropropane		6	ן ט
100-41-4Ethylbenzene       6       U         591-78-62-Hexanone       29       U         98-82-8Isopropylbenzene       6       U         79-20-9Methyl acetate       6       U         108-87-2Methylcyclohexane       6       U	10061-01-5	cis-1,3-Dichloropropene		6	U
100-41-4Ethylbenzene       6       U         591-78-62-Hexanone       29       U         98-82-8Isopropylbenzene       6       U         79-20-9Methyl acetate       6       U         108-87-2Methylcyclohexane       6       U	10061-02-6	trans-1,3-Dichloropropene		6	ן ט
591-78-62-Hexanone       29       U         98-82-8Isopropylbenzene       6       U         79-20-9Methyl acetate       6       U         108-87-2Methylcyclohexane       6       U				6	ן ט
79-20-9Methyl acetate 6 U 108-87-2Methylcyclohexane 6 U				29	ן ט
79-20-9	98-82-8	Isopropylbenzene		6	U
108-87-2Methylcyclohexane 6 U				6	ប
] · · · · · · · · · · · · · · · · · · ·				6	บ
					BJ

Lab Name: STL Buffalo Contract: 744538		ALBW10029
TAD Name. DID Duffato Whichact. 744336	<del></del> `	
Lab Code: RECNY Case No.: SAS No.:	SDG No.:	
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID:	A6B01106
Sample wt/vol: $4.67$ (g/mL) G	Lab File ID:	F2499.RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	09/25/2006 09/26/2006
% Moisture: not dec7 Heated Purge: Y	Date Analyzed:	09/28/2006
GC Column: <u>DB-624</u> ID: <u>0.18</u> (mm)	Dilution Factor:	1.00
Soil Extract Volume: (uL)	Soil Aliquot Volu	ume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNIT (ug/L or ug/Kg)	'S: <u>UG/KG</u>	Q	
108-10-1	4-Methyl-2-pentanone		29	U.	]
1634-04-4	Methyl-t-Butyl Ether (MIBE	;)	6	ט	
100-42-5	Styrene	·	6	-  ט	
79-34-5	1,1,2,2-Tetrachloroethane		6	U	
127-18-4	Tetrachloroethene		6	ט	
	Toluene		6	U	
120-82-1	1,2,4-Trichlorobenzene		6	ַ ט	
71-55-6	1,1,1-Trichloroethane		6	U	
79-00-5	1,1,2-Trichloroethane		6	ט[	
76-13-1	1,1,2-Trichloro-1,2,2-trif	luoroethane	6	υ.	1
75-69-4	Trichlorofluoromethane		6	ט	1
79-01-6	Trichloroethene		· 6	บ	ı
	Vinyl acetate		29	<b>U</b> .	
75-01-4	Vinyl chloride		11	שן	
1330-20-7	Total Xylenes		17	U	
1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			4	

#### METHOD 8260 - TCL VOLATILE ORGANICS TENTATIVELY IDENTIFIED COMPOUNDS

•			ALBW10029	
Lab Name: STL Buffalo	Contract: <u>744538</u>	<u> </u>		
Lab Code: <u>RECNY</u> Case No.:	SAS No.:	SDG No.:		
Matrix: (soil/water) SOIL		Lab Sample ID:	A6B01106	·
Sample wt/vol: 4.67 (	(g/mL) <u>G</u>	Lab File ID:	F2499.RR	<del></del>
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	09/25/2006	09/26/2006
% Moisture: not dec. <u>6.9</u>		Date Analyzed:	09/28/2006	
GC Column: DB-624 ID: 0	).18 (mm)	Dilution Factor	: 1.00	
Soil Extract Volume: (	(uL)	Soil Aliquot Vo	lume:	_ (uL)
Number TICs found: 0		CONCENTRATION UNI (ug/L or ug/Kg)		
CAS NO.	Compound Name	RT Est.	Conc. O	·

Client No.

	ALBW10030	
SDG No.:	-	
Lab Sample ID:	A6B01107	•

Lab Name: STL Buffalo Contract: 744538

% Moisture: not dec. \_\_\_\_5 Heated Purge: Y

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

Matrix: (soil/water) SOIL

Lab File ID: F2500.RR

Sample wt/vol: 4.57 (g/mL) G

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

Level: (low/med) LOW

Date Analyzed: 09/28/2006

GC Column: <u>DB-624</u> ID: <u>0.18</u> (mm)

Dilution Factor: \_\_\_\_1.00

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

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

CONCENTRATION UNITS:

67-64-1	CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
75-27-4				29	-
75-25-2				6	
74-83-9	B .			6	§ -
78-93-32-Butanone       29       U         75-15-0Carbon Disulfide       6       U         56-23-5Carbon Tetrachloride       6       U         108-90-7Chlorobenzene       6       U         75-00-3Chlorobethane       6       U         67-66-3Chloromethane       6       U         74-87-3Chloromethane       6       U         106-93-41,2-Dibromo-dhoromethane       6       U         106-93-41,2-Dibromo-dhoromethane       6       U         96-12-81,2-Dibromo-3-chloropropane       6       U         95-50-11,2-Dichlorobenzene       6       U         541-73-11,3-Dichlorobenzene       6       U         106-46-71,4-Dichlorobenzene       6       U         75-71-8Dichloroethane       6       U         107-06-21,2-Dichloroethane       6       U         107-06-21,2-Dichloroethene       6       U         156-60-5trans-1,2-Dichloroethene       6       U         156-60-5trans-1,2-Dichloropropane       6       U         10061-01-5cis-1,3-Dichloropropane       6       U         10061-02-6trans-1,3-Dichloropropane       6       U         100-	75-25-2	Bromoform		6	שׁ
75-15-0Carbon Disulfide       6       U         56-23-5Carbon Tetrachloride       6       U         108-90-7Chlorobenzene       6       U         75-00-3Chlorotethane       6       U         67-66-3Chloromethane       6       U         74-87-3Chloromethane       6       U         110-82-7Cyclohexane       6       U         106-93-41,2-Dibromo-d-hane       6       U         124-48-1Dibromo-d-loromethane       6       U         96-12-81,2-Dibromo-3-chloropropane       6       U         95-50-11,2-Dichloromethane       6       U         95-11,3-Dichlorobenzene       6       U         541-73-11,3-Dichlorobenzene       6       U         75-71-8Dichloromethane       6       U         75-71-8Dichloromethane       6       U         75-34-31,1-Dichloromethane       6       U         107-06-21,2-Dichloromethane       6       U         75-35-41,1-Dichloromethane       6       U         156-69-2cis-1,2-Dichloromethane       6       U         156-60-5	74-83-9	Bromomethane		6	U
56-23-5Carbon Tetrachloride       6       U         108-90-7Chlorobenzene       6       U         75-00-3Chlorocthane       6       U         67-66-3Chloroform       6       U         74-87-3Chloromethane       6       U         110-82-7Cyclohexane       6       U         106-93-41,2-Dibromoethane       6       U         124-48-1Dibromoethane       6       U         96-12-81,2-Dibromo-3-chloropropane       6       U         95-50-11,2-Dichlorobenzene       6       U         541-73-11,3-Dichlorobenzene       6       U         541-73-11,4-Dichlorobenzene       6       U         106-46-71,4-Dichlorobenzene       6       U         75-34-31,1-Dichloroethane       6       U         75-35-41,1-Dichloroethane       6       U         156-59-2cis-1,2-Dichloropropane       6       U         1061-01-5cis-1,3-Dichloropropane       6       U         10061-02-6trans-1,3-Dichloropropene       6       U         100-41-4				29	
108-90-7Chlorobenzene       6       U         75-00-3Chloroethane       6       U         67-66-3Chloroform       6       U         74-87-3Chloromethane       6       U         110-82-7Cyclohexane       6       U         106-93-41,2-Dibromoethane       6       U         124-48-1Dibromochloromethane       6       U         96-12-81,2-Dibromo-3-chloropropane       6       U         95-50-11,2-Dichlorobenzene       6       U         541-73-11,3-Dichlorobenzene       6       U         541-73-11,4-Dichlorobenzene       6       U         75-71-8Dichlorodifluoromethane       6       U         75-34-31,1-Dichloroethane       6       U         107-06-21,2-Dichloroethane       6       U         156-59-2cis-1,2-Dichloroethene       6       U         156-60-5trans-1,2-Dichloroethene       6       U         1061-01-5cis-1,3-Dichloropropene       6       U         100-41-4Ethylbenzene       6       U         100-41-4Ethylbenzene       9       U         108-87-2Methyl acetate       0       U	75-15-0	Carbon Disulfide		6	U
75-00-3Chloroethane       6       U         67-66-3Chloromethane       6       U         74-87-3Chloromethane       6       U         110-82-7Cyclohexane       6       U         106-93-41,2-Dibromoethane       6       U         124-48-1Dibromochloromethane       6       U         96-12-81,2-Dibromo-3-chloropropane       6       U         95-50-11,2-Dichlorobenzene       6       U         541-73-11,3-Dichlorobenzene       6       U         106-46-71,4-Dichlorobenzene       6       U         75-34-31,1-Dichloroethane       6       U         75-34-31,1-Dichloroethane       6       U         107-06-21,2-Dichloroethene       6       U         156-69-2cis-1,2-Dichloroethene       6       U         156-60-5trans-1,2-Dichloroethene       6       U         10061-01-5cis-1,3-Dichloropropene       6       U         100-41-4Ethylbenzene       6       U         100-41-4	56-23-5	Carbon Tetrachloride		6	U
67-66-3Chloroform       6       U         74-87-3Chloromethane       6       U         110-82-7Cyclohexane       6       U         106-93-41,2-Dibromoethane       6       U         124-48-1Dibromochloromethane       6       U         96-12-81,2-Dibromo-3-chloropropane       6       U         95-50-11,2-Dichlorobenzene       6       U         541-73-11,3-Dichlorobenzene       6       U         106-46-71,4-Dichlorobenzene       6       U         75-71-8Dichlorobenzene       6       U         75-34-31,1-Dichloroethane       6       U         107-06-21,2-Dichloroethane       6       U         75-35-41,1-Dichloroethene       6       U         156-59-2cis-1,2-Dichloroethene       6       U         156-60-5trans-1,2-Dichloropropane       6       U         10061-01-5cis-1,3-Dichloropropene       6       U         100-41-4Ethylbenzene       6       U         591-78-62-Hexanone       29       U         98-82-8Isopropylbenzene       6       U         108-87-2Methyl acetate       0       U	108-90-7	Chlorobenzene		6	U
74-87-3Chloromethane       6       U         110-82-7Cyclohexane       6       U         106-93-41,2-Dibromoethane       6       U         124-48-1Dibromochloromethane       6       U         96-12-81,2-Dibromo-3-chloropropane       6       U         95-50-11,2-Dichlorobenzene       6       U         541-73-11,3-Dichlorobenzene       6       U         106-46-71,4-Dichlorobenzene       6       U         75-71-8Dichlorobenzene       6       U         75-34-31,1-Dichloroethane       6       U         107-06-21,2-Dichloroethane       6       U         75-35-41,1-Dichloroethene       6       U         156-69-2cis-1,2-Dichloroethene       6       U         156-60-5trans-1,2-Dichloroethene       6       U         10061-01-5cis-1,3-Dichloropropene       6       U         10061-02-6trans-1,3-Dichloropropene       6       U         100-41-4Ethylbenzene       6       U         991-78-62-Hexanone       29       U         98-82-8Methyl acetate       0       U         108-87-2	75-00-3	Chloroethane	·	. 6	U
110-82-7Cyclohexane       6       U         106-93-41,2-Dibromoethane       6       U         124-48-1Dibromochloromethane       6       U         96-12-81,2-Dibromo-3-chloropropane       6       U         95-50-11,2-Dichlorobenzene       6       U         541-73-11,3-Dichlorobenzene       6       U         106-46-71,4-Dichlorobenzene       6       U         75-71-8Dichlorodifluoromethane       6       U         75-34-31,1-Dichloroethane       6       U         107-06-21,2-Dichloroethane       6       U         75-35-41,1-Dichloroethene       6       U         156-59-2cis-1,2-Dichloroethene       6       U         78-87-51,2-Dichloroethene       6       U         10061-01-5cis-1,3-Dichloropropane       6       U         10061-02-6trans-1,3-Dichloropropene       6       U         100-41-4Ethylbenzene       6       U         591-78-62-Hexanone       29       U         98-82-8Methyl acetate       6       U         108-87-2					ប
106-93-41,2-Dibromoethane       6       U         124-48-1Dibromochloromethane       6       U         96-12-81,2-Dibromo-3-chloropropane       6       U         95-50-11,2-Dichlorobenzene       6       U         541-73-11,3-Dichlorobenzene       6       U         106-46-71,4-Dichlorobenzene       6       U         75-71-8Dichlorobenzene       6       U         75-34-31,1-Dichlorobethane       6       U         107-06-21,2-Dichlorobethane       6       U         75-35-41,1-Dichlorobethene       6       U         156-59-2cis-1,2-Dichlorobethene       6       U         78-87-51,2-Dichloropropane       6       U         10061-01-5cis-1,3-Dichloropropene       6       U         10061-02-6trans-1,3-Dichloropropene       6       U         100-41-4Ethylbenzene       6       U         591-78-62-Hexanone       29       U         98-82-8Methyl acetate       6       U         108-87-2	74-87-3	Chloromethane		6	ט
124-48-1Dibromochloromethane       6       U         96-12-81,2-Dibromo-3-chloropropane       6       U         95-50-11,2-Dichlorobenzene       6       U         541-73-11,3-Dichlorobenzene       6       U         106-46-71,4-Dichlorobenzene       6       U         75-71-8Dichlorodifluoromethane       6       U         75-34-31,1-Dichloroethane       6       U         107-06-21,2-Dichloroethane       6       U         75-35-41,1-Dichloroethene       6       U         156-59-2cis-1,2-Dichloroethene       6       U         78-87-51,2-Dichloropropane       6       U         10061-01-5cis-1,3-Dichloropropane       6       U         10061-02-6trans-1,3-Dichloropropene       6       U         100-41-4Ethylbenzene       6       U         591-78-62-Hexanone       29       U         98-82-8Methyl acetate       6       U         108-87-2				6	U
96-12-81,2-Dibromo-3-chloropropane       6       U         95-50-11,2-Dichlorobenzene       6       U         541-73-11,3-Dichlorobenzene       6       U         106-46-71,4-Dichlorobenzene       6       U         75-71-8Dichlorodifluoromethane       6       U         75-34-31,1-Dichloroethane       6       U         107-06-21,2-Dichloroethane       6       U         75-35-41,1-Dichloroethene       6       U         156-59-2cis-1,2-Dichloroethene       6       U         78-87-51,2-Dichloropropane       6       U         10061-01-5cis-1,3-Dichloropropene       6       U         10041-4Ethylbenzene       6       U         591-78-62-Hexanone       29       U         98-82-8					U
95-50-11,2-Dichlorobenzene       6       U         541-73-11,3-Dichlorobenzene       6       U         106-46-71,4-Dichlorobenzene       6       U         75-71-8Dichlorodifluoromethane       6       U         75-34-31,1-Dichloroethane       6       U         107-06-21,2-Dichloroethane       6       U         75-35-41,1-Dichloroethene       6       U         156-59-2cis-1,2-Dichloroethene       6       U         156-60-5trans-1,2-Dichloroethene       6       U         78-87-51,2-Dichloropropane       6       U         10061-01-5cis-1,3-Dichloropropene       6       U         100-41-4Ethylbenzene       6       U         591-78-62-Hexanone       29       U         98-82-8Isopropylbenzene       6       U         79-20-9Methyl acetate       6       U         108-87-2Methylcyclohexane       6       U	124-48-1	Dibromochloromethane			U
541-73-11,3-Dichlorobenzene       6       U         106-46-71,4-Dichlorobenzene       6       U         75-71-8Dichlorodifluoromethane       6       U         75-34-31,1-Dichloroethane       6       U         107-06-21,2-Dichloroethane       6       U         75-35-41,1-Dichloroethene       6       U         156-59-2cis-1,2-Dichloroethene       6       U         78-87-51,2-Dichloroethene       6       U         78-87-51,2-Dichloropropane       6       U         10061-01-5cis-1,3-Dichloropropene       6       U         10061-02-6trans-1,3-Dichloropropene       6       U         100-41-4Ethylbenzene       6       U         591-78-62-Hexanone       29       U         98-82-8Isopropylbenzene       6       U         79-20-9Methyl acetate       6       U         108-87-2Methylcyclohexane       6       U	96-12-8	1,2-Dibromo-3-chloropropane		6	U
106-46-71,4-Dichlorobenzene       6       U         75-71-8Dichlorodifluoromethane       6       U         75-34-31,1-Dichloroethane       6       U         107-06-21,2-Dichloroethane       6       U         75-35-41,1-Dichloroethene       6       U         156-59-2cis-1,2-Dichloroethene       6       U         78-87-51,2-Dichloroethene       6       U         78-87-51,2-Dichloropropane       6       U         10061-01-5cis-1,3-Dichloropropene       6       U         10061-02-6trans-1,3-Dichloropropene       6       U         100-41-4Ethylbenzene       6       U         591-78-62-Hexanone       29       U         98-82-8Methyl acetate       6       U         108-87-2Methylcyclohexane       6       U	95-50-1	1,2-Dichlorobenzene			ָ ע
75-71-8Dichlorodifluoromethane       6       U         75-34-31,1-Dichloroethane       6       U         107-06-21,2-Dichloroethane       6       U         75-35-41,1-Dichloroethene       6       U         156-59-2cis-1,2-Dichloroethene       6       U         78-87-51,2-Dichloropropane       6       U         10061-01-5cis-1,3-Dichloropropene       6       U         10061-02-6trans-1,3-Dichloropropene       6       U         100-41-4Ethylbenzene       6       U         591-78-62-Hexanone       29       U         98-82-8Methyl acetate       6       U         108-87-2Methylcyclohexane       6       U	541-73-1	1,3-Dichlorobenzene		6	ט
75-34-31,1-Dichloroethane       6       U         107-06-21,2-Dichloroethane       6       U         75-35-41,1-Dichloroethene       6       U         156-59-2cis-1,2-Dichloroethene       6       U         78-87-51,2-Dichloropropane       6       U         10061-01-5cis-1,3-Dichloropropene       6       U         10061-02-6trans-1,3-Dichloropropene       6       U         100-41-4Ethylbenzene       6       U         591-78-62-Hexanone       29       U         98-82-8Isopropylbenzene       6       U         79-20-9Methyl acetate       6       U         108-87-2Methylcyclohexane       6       U	106-46-7	1,4-Dichlorobenzene		6	U
107-06-21,2-Dichloroethane       6       U         75-35-41,1-Dichloroethene       6       U         156-59-2cis-1,2-Dichloroethene       6       U         156-60-5trans-1,2-Dichloroethene       6       U         78-87-51,2-Dichloropropane       6       U         10061-01-5cis-1,3-Dichloropropene       6       U         10061-02-6trans-1,3-Dichloropropene       6       U         100-41-4Ethylbenzene       6       U         591-78-62-Hexanone       29       U         98-82-8Isopropylbenzene       6       U         79-20-9Methyl acetate       6       U         108-87-2Methylcyclohexane       6       U	75-71-8	Dichlorodifluoromethane		6	ט
75-35-41,1-Dichloroethene       6       U         156-59-2cis-1,2-Dichloroethene       6       U         156-60-5trans-1,2-Dichloroethene       6       U         78-87-51,2-Dichloropropane       6       U         10061-01-5cis-1,3-Dichloropropene       6       U         10061-02-6trans-1,3-Dichloropropene       6       U         100-41-4Ethylbenzene       6       U         591-78-62-Hexanone       29       U         98-82-8Isopropylbenzene       6       U         79-20-9Methyl acetate       6       U         108-87-2Methylcyclohexane       6       U	75-34-3	1,1-Dichloroethane		6	ט
156-59-2cis-1,2-Dichloroethene       6       U         156-60-5trans-1,2-Dichloroethene       6       U         78-87-51,2-Dichloropropane       6       U         10061-01-5cis-1,3-Dichloropropene       6       U         10061-02-6trans-1,3-Dichloropropene       6       U         100-41-4Ethylbenzene       6       U         591-78-62-Hexanone       29       U         98-82-8Isopropylbenzene       6       U         79-20-9Methyl acetate       6       U         108-87-2Methylcyclohexane       6       U	107-06-2	1,2-Dichloroethane		6	U
156-60-5trans-1,2-Dichloroethene       6       U         78-87-51,2-Dichloropropane       6       U         10061-01-5cis-1,3-Dichloropropene       6       U         10061-02-6trans-1,3-Dichloropropene       6       U         100-41-4Ethylbenzene       6       U         591-78-62-Hexanone       29       U         98-82-8Isopropylbenzene       6       U         79-20-9Methyl acetate       6       U         108-87-2Methylcyclohexane       6       U	75-35-4	1,1-Dichloroethene		6	U
78-87-51,2-Dichloropropane       6       U         10061-01-5cis-1,3-Dichloropropene       6       U         10061-02-6trans-1,3-Dichloropropene       6       U         100-41-4Ethylbenzene       6       U         591-78-62-Hexanone       29       U         98-82-8Isopropylbenzene       6       U         79-20-9Methyl acetate       6       U         108-87-2Methylcyclohexane       6       U	156-59-2	cis-1,2-Dichloroethene		6	ט
10061-01-5cis-1,3-Dichloropropene       6       U         10061-02-6trans-1,3-Dichloropropene       6       U         100-41-4Ethylbenzene       6       U         591-78-62-Hexanone       29       U         98-82-8Isopropylbenzene       6       U         79-20-9Methyl acetate       6       U         108-87-2Methylcyclohexane       6       U	156-60-5	trans-1,2-Dichloroethene		6	ט
10061-02-6trans-1,3-Dichloropropene       6       U         100-41-4Ethylbenzene       6       U         591-78-62-Hexanone       29       U         98-82-8Isopropylbenzene       6       U         79-20-9Methyl acetate       6       U         108-87-2Methylcyclohexane       6       U	78-87-5	1,2-Dichloropropane		. 6	ט
100-41-4Ethylbenzene       6       U         591-78-62-Hexanone       29       U         98-82-8Isopropylbenzene       6       U         79-20-9Methyl acetate       6       U         108-87-2Methylcyclohexane       6       U	10061-01-5	cis-1,3-Dichloropropene	·	6	ט
100-41-4Ethylbenzene       6       U         591-78-62-Hexanone       29       U         98-82-8Isopropylbenzene       6       U         79-20-9Methyl acetate       6       U         108-87-2Methylcyclohexane       6       U				6	ט
591-78-62-Hexanone       29       U         98-82-8Isopropylbenzene       6       U         79-20-9Methyl acetate       6       U         108-87-2Methylcyclohexane       6       U				6	ប
79-20-9Methyl acetate 6 U 108-87-2Methylcyclohexane 6 U				29	ט
79-20-9Methyl acetate 6 U 108-87-2Methylcyclohexane 6 U	98-82-8	Isopropylbenzene		6	ט
108-87-2Methylcyclohexane 6 U				6	ប
				6	ט
					BJ

Client No.

·	ALEW10030	
Lab Name: STL Buffalo Contract: 744	538	
Lab Code: RECNY Case No.: SAS No.: _	SDG No.:	
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: A6B01107	
Sample wt/vol: $\underline{4.57}$ (g/mL) $\underline{G}$	Lab File ID: <u>F2500.RR</u>	
Level: (low/med) <u>LOW</u>	Date Samp/Recv: 09/25/2006 09/26/200	16
% Moisture: not dec5 Heated Purge: Y	Date Analyzed: 09/28/2006	
3C Column: <u>DB-624</u> ID: <u>0.18</u> (mm)	Dilution Factor:1.00	
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)	
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u> Q	
108-10-14-Methyl-2-pentanone 1634-04-4Methyl-t-Butyl Ether (MIB 100-42-5Styrene 79-34-51,1,2,2-Tetrachloroethane 127-18-4Tetrachloroethene 108-88-3Toluene 120-82-11,2,4-Trichloroethane 71-55-61,1,1-Trichloroethane 79-00-51,1,2-Trichloroethane 79-01-5Trichlorofluoromethane 79-01-6Trichloroethene 108-05-4Vinyl acetate 75-01-4Vinyl chloride 1330-20-7Total Xylenes	6 U 6 U 6 U 6 U 6 U 6 U 6 U 6 U 6 U 6 U	

1330-20-7----Total Xylenes\_

#### METHOD 8260 - TCL VOLATILE ORGANICS TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name	: STL Buffalo	Con	tract: <u>744538</u>			ALIBWIU03		<del></del>
Lab Code	: <u>RECNY</u> Case No	.:	SAS No.:	SDG No.:				
Matrix:	(soil/water) <u>SOIL</u>		•	Lab Samp	ole ID:	A6B0110	7	
Sample w	:/vol:4.5	7 (g/mL) <u>G</u>		Lab File	e ID:	F2500.R	R	<del></del>
Level:	(low/med) <u>LOW</u>			Date San	mp/Recv:	09/25/2	006	09/26/2006
% Moistu	re: not dec. <u>4.8</u>			Date Ana	alyzed:	09/28/2	<u>006</u>	
GC Column	n: <u>DB-624</u> ID	: <u>0.18</u> (mm)	·.	Dilution	Factor:	1.0	<u>0</u>	
Soil Exti	ract Volume:	(uL)		Soil Ali	.quot Vol	ume:		_ (uL)
Number T	Cs found:0			CONCENTRAL (ug/L or				
	CAS NO.	Cox	mpound Name	RT	Est.	Conc.	2 Q	7.

Client No.

			ALBW10031
Lab Name: <u>SIL Buffalo</u>	Contract: <u>744538</u>	<u> </u>	<u> </u>
Lab Code: RECNY Case No.:	SAS No.:	SDG No.:	
Matrix: (soil/water) <u>SOIL</u>		Lab Sample ID:	A6B01108
Sample wt/vol: $4.17$ (g/mL)	<u>G</u> .	Lab File ID:	F2501.RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	09/25/2006 09/26/2006
% Moisture: not dec7 Heated	l Purge: <u>Y</u>	Date Analyzed:	09/28/2006
GC Column: <u>DB-624</u> ID: <u>0.18</u> (m	m)	Dilution Factor:	1.00
Soil Extract Volume: (ul.)		Soil Aliquot Volu	ume: (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q CAS NO. COMPOUND 32 U 67-64-1-----Acetone U 71-43-2----Benzene 6 75-27-4-----Bromodichloromethane 6 U 6 U 75-25-2----Bromoform 6 U 74-83-9-----Bromomethane 78-93-3----2-Butanone 32 U 6 IJ 75-15-0-----Carbon Disulfide 56-23-5-----Carbon Tetrachloride 6 U 6 U 108-90-7-----Chlorobenzene 75-00-3-----Chloroethane 6 U 6 U 67-66-3-----Chloroform 6 U 74-87-3-----Chloromethane 6 U 110-82-7-----Cyclohexane 6 IJ 106-93-4----1,2-Dibromoethane 6 124-48-1----Dibromochloromethane U 96-12-8----1,2-Dibromo-3-chloropropane 6 U 6 U 95-50-1----1,2-Dichlorobenzene 6 541-73-1----1,3-Dichlorobenzene U 106-46-7----1,4-Dichlorobenzene 6 U 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 6 156-59-2----cis-1,2-Dichloroethene U 156-60-5----trans-1,2-Dichloroethene 6 U 6 U 78-87-5----1,2-Dichloropropane 6 IJ 10061-01-5---cis-1,3-Dichloropropene 10061-02-6----trans-1,3-Dichloropropene 6 U 6 U 100-41-4----Ethylbenzene 32 U 591-78-6----2-Hexanone 98-82-8----Isopropylbenzene б U 6 U 79-20-9-----Methyl acetate 108-87-2----Methylcyclohexane U 75-09-2-----Methylene chloride 3 BJ

Client No.

		ALBW10031
Lab Name: STL Buffalo Contract: 744538	· · ·	
Lab Code: RECNY Case No.: SAS No.:	SDG No.:	
Matrix: (soil/water) <u>SOIL</u>	Lab Sample:ID:	A6B01108
Sample wt/vol: $\underline{4.17}$ (g/mL) $\underline{G}$	Lab File ID:	F2501.RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	09/25/2006 09/26/2006
% Moisture: not dec7 Heated Purge: Y	Date Analyzed:	09/28/2006
GC Column: <u>DB-624</u> ID: <u>0.18</u> (mm)	Dilution Factor:	1.00
Soil Extract Volume: (uL)	Soil Aliquot Vol	ume: (uL)

#### CONCENTRATION UNITS: 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 (MIBE) 6 U 100-42-5----Styrene 6 U U 79-34-5----1,1,2,2-Tetrachloroethane 6 U 127-18-4----Tetrachloroethene 6 U 108-88-3----Toluene 6 120-82-1----1,2,4-Trichlorobenzene 6 U 6 U 71-55-6----1,1,1-Trichloroethane 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 U 6 U 108-05-4-----Vinyl acetate 32 75-01-4-----Vinyl chloride U 13 1330-20-7----Total Xylenes 19 U

#### METHOD 8260 - TCL VOLATILE ORGANICS TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:	STL Buffalo	Contract: <u>744538</u>	<del></del>		
Lab Code:	RECNY Case No.	.: SAS No.:	SDG No.:		
Matrix: (	soil/water) <u>SOIL</u>	,	Lab Sample ID:	A6B01108	
Sample wt	/vol: <u>4.1</u>	7 (g/mL) <u>G</u>	Lab File ID:	F2501.RR	<u> </u>
Level:	(low/med) <u>LOW</u>		Date Samp/Recv	09/25/2006	09/26/2006
% Moistur	re: not dec. 6.9		Date Analyzed:	09/28/2006	
GC Column	i: <u>DB-624</u> ID:	: <u>0.18</u> (mm)	Dilution Factor	: <u>1.00</u>	
Soil Extr	act Volume:	(uL)	Soil Aliquot Vo	olume:	(uL)
Number Ti	Cs found:0		CONCENTRATION UNI (ug/L or ug/Kg)		· .
٠.	CAS NO.	Compound Name	RT Est	. Conc. Q	

Client No.

		ALBW10032
Lab Name: STL Buffalo Contract: 744538	<del></del>	:
Lab Code: RECNY Case No.: SAS No.:	SDG No.:	-
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID:	A6B01109
Sample wt/vol: <u>5.57</u> (g/mL) <u>G</u>	Lab File ID:	F2504.RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	09/25/2006 09/26/2006
% Moisture: not dec. <u>9</u> Heated Purge: <u>Y</u>	Date Analyzed:	09/28/2006
GC Column: <u>DB-624</u> ID: <u>0.18</u> (mm)	Dilution Factor:	1.00
Soil Extract Volume: (uL)	Soil Aliquot Vol	ume: (uL)

#### CONCENTRATION UNITS:

67-64-1Acetone       25       U         71-43-2Benzene       5       U         75-27-4Bromodichloromethane       5       U         75-25-2	CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
75-27-4				25	_
75-25-2				5 .	U
74-83-9				5 ·	U
78-93-32-Butanone       25       U         75-15-0Carbon Disulfide       5       U         56-23-5Carbon Tetrachloride       5       U         108-90-7Chlorobenzene       5       U         75-00-3Chlorobenzene       5       U         67-66-3Chloromethane       5       U         106-82-7Cyclohexane       5       U         106-93-41,2-Dibromo-thane       5       U         124-48-1Dibromochloromethane       5       U         96-12-81,2-Dibromo-3-chloropropane       5       U         95-50-11,2-Dichlorobenzene       5       U         541-73-11,3-Dichlorobenzene       5       U         75-71-8Dichlorodifluoromethane       5       U         75-71-8Dichlorodifluoromethane       5       U         75-34-31,1-Dichloroethane       5       U         75-35-41,2-Dichloroethene       5       U         156-60-5trans-1,2-Dichloropropane       5       U         10061-01-5cis-1,3-Dichloropropane       5       U         10061-02-6trans-1,3-Dichloropropane       5       U         100-41-4Ethylbenzene       5       U         99-8-82-8				5	ן ט
75-15-0Carbon Disulfide       5       U         56-23-5Carbon Tetrachloride       5       U         108-90-7Chlorobenzene       5       U         75-00-3Chloroethane       5       U         67-66-3Chloromethane       5       U         74-87-3Chloromethane       5       U         110-82-7Cyclohexane       5       U         106-93-4	74-83-9	Bromomethane			ט
56-23-5Carbon Tetrachloride       5       U         108-90-7Chlorobenzene       5       U         75-00-3Chlorothane       5       U         67-66-3Chloromethane       5       U         74-87-3Chloromethane       5       U         110-82-7Cyclohexane       5       U         106-93-41,2-Dibromo-thane       5       U         104-48-1Dibromochloromethane       5       U         96-12-81,2-Dichloromethane       5       U         95-50-11,2-Dichlorobenzene       5       U         95-50-11,2-Dichlorobenzene       5       U         95-50-11,2-Dichlorobenzene       5       U         95-71-81,1-Dichlorodifluoromethane       5       U         75-34-31,1-Dichloroethane       5       U         75-35-41,1-Dichloroethene       5       U         156-59-2cis-1,2-Dichloroethene       5       U         156-60-5trans-1,2-Dichloroethene       5       U         10061-01-5cis-1,3-Dichloropropene       5       U         10061-02-6trans-1,3-Dichloropropene       5       U         10061-02-6	78-93-3	2-Butanone		25	U
108-90-7Chlorobenzene       5       U         75-00-3Chloroethane       5       U         67-66-3Chloroform       5       U         74-87-3Chloromethane       5       U         110-82-7Cyclohexane       5       U         106-93-41,2-Dibromo-thane       5       U         124-48-1Dibromo-thoromethane       5       U         96-12-81,2-Dibromo-3-chloropropane       5       U         95-50-11,2-Dichlorobenzene       5       U         541-73-11,3-Dichlorobenzene       5       U         75-1-8Dichlorobenzene       5       U         75-71-8Dichlorobenzene       5       U         75-34-31,1-Dichlorobenzene       5       U         75-34-31,1-Dichloroethane       5       U         75-35-41,2-Dichloroethene       5       U         75-35-41,2-Dichloroethene       5       U         75-60-5	75-15-0	Carbon Disulfide		5	∙   ਹ
75-00-3Chloroethane       5       U         67-66-3Chloroform       5       U         74-87-3Chloromethane       5       U         110-82-7Cyclohexane       5       U         106-93-41,2-Dibromoethane       5       U         124-48-1Dibromochloromethane       5       U         96-12-81,2-Dibromo-3-chloropropane       5       U         95-50-11,2-Dichlorobenzene       5       U         541-73-11,3-Dichlorobenzene       5       U         75-71-8Dichlorodifluoromethane       5       U         75-34-31,1-Dichloroethane       5       U         107-06-21,2-Dichloroethane       5       U         75-35-41,1-Dichloroethene       5       U         156-69-2cis-1,2-Dichloroethene       1       J         156-60-5trans-1,2-Dichloroethene       5       U         10061-01-5cis-1,3-Dichloropropene       5       U         10061-02-6trans-1,3-Dichloropropene       5       U         100-41-4Ethylbenzene       5       U         591-78-62-Hexanone       25       U         98-82-8Isopropylbenzene       5       U         90-20-9Methyl acetate<	56-23-5	Carbon Tetrachloride	·	5	U
67-66-3Chloroform       5       U         74-87-3Chloromethane       5       U         110-82-7Cyclohexane       5       U         106-93-41,2-Dibromoethane       5       U         124-48-1Dibromochloromethane       5       U         96-12-81,2-Dibromo-3-chloropropane       5       U         95-50-11,2-Dichlorobenzene       5       U         95-50-11,3-Dichlorobenzene       5       U         541-73-11,3-Dichlorobenzene       5       U         75-71-8Dichlorobenzene       5       U         75-71-8Dichlorobenzene       5       U         75-34-31,1-Dichloroethane       5       U         75-34-31,2-Dichloroethane       5       U         107-06-21,2-Dichloroethene       5       U         75-35-41,1-Dichloroethene       5       U         76-60-5trans-1,2-Dichloropropane       5       U         10061-01-5cis-1,3-Dichloropropane       5       U         10061-02-6trans-1,3-Dichloropropene       5       U         100-41-4Ethylbenzene       5       U         591-78-62-Hexanone       25       U         98-82-8	108-90-7	Chlorobenzene		5	-  บ
74-87-3Chloromethane       5       U         110-82-7Cyclohexane       5       U         106-93-41,2-Dibromoethane       5       U         124-48-1Dibromochloromethane       5       U         96-12-81,2-Dibromo-3-chloropropane       5       U         95-50-11,2-Dichlorobenzene       5       U         95-50-11,3-Dichlorobenzene       5       U         541-73-11,3-Dichlorobenzene       5       U         75-71-8Dichlorobenzene       5       U         75-71-8Dichlorobenzene       5       U         75-34-31,1-Dichloroethane       5       U         107-06-21,2-Dichloroethane       5       U         107-06-21,2-Dichloroethene       5       U         156-59-2cis-1,2-Dichloroethene       5       U         156-60-5trans-1,2-Dichloropropane       5       U         10061-01-5cis-1,3-Dichloropropene       5       U         100-41-4	75-00-3	Chloroethane		5	ט
110-82-7Cyclohexane       5       U         106-93-41,2-Dibromethane       5       U         124-48-1Dibromochloromethane       5       U         96-12-81,2-Dibromo-3-chloropropane       5       U         95-50-11,2-Dichlorobenzene       5       U         541-73-11,3-Dichlorobenzene       5       U         106-46-71,4-Dichlorobenzene       5       U         75-71-8Dichlorobenzene       5       U         75-34-31,1-Dichloroethane       5       U         107-06-21,2-Dichloroethane       5       U         75-35-41,1-Dichloroethene       5       U         156-69-2cis-1,2-Dichloroethene       1       J         156-60-5trans-1,2-Dichloroethene       5       U         10061-01-5cis-1,3-Dichloropropene       5       U         10061-02-6trans-1,3-Dichloropropene       5       U         100-41-4Ethylbenzene       5       U         591-78-62-Hexanone       25       U         98-82-8	67-66-3	Chloroform		5	שׁו
106-93-41, 2-Dibromoethane       5       U         124-48-1Dibromochloromethane       5       U         96-12-81, 2-Dibromo-3-chloropropane       5       U         95-50-11, 2-Dichlorobenzene       5       U         541-73-11, 3-Dichlorobenzene       5       U         106-46-71, 4-Dichlorobenzene       5       U         75-71-8Dichlorodifluoromethane       5       U         75-34-31, 1-Dichloroethane       5       U         107-06-21, 2-Dichloroethane       5       U         75-35-41, 1-Dichloroethene       5       U         156-69-2cis-1, 2-Dichloroethene       1       J         156-60-5trans-1, 2-Dichloroethene       5       U         10061-01-5cis-1, 3-Dichloropropane       5       U         10061-02-6trans-1, 3-Dichloropropene       5       U         100-41-4Ethylbenzene       5       U         591-78-62-Hexanone       25       U         98-82-8Methyl acetate       5       U         108-87-2	74-87-3	Chloromethane		5	U
106-93-41, 2-Dibromoethane       5       U         124-48-1Dibromochloromethane       5       U         96-12-81, 2-Dibromo-3-chloropropane       5       U         95-50-11, 2-Dichlorobenzene       5       U         541-73-11, 3-Dichlorobenzene       5       U         106-46-71, 4-Dichlorobenzene       5       U         75-71-8Dichlorodifluoromethane       5       U         75-34-31, 1-Dichloroethane       5       U         107-06-21, 2-Dichloroethane       5       U         75-35-41, 1-Dichloroethene       5       U         156-69-2cis-1, 2-Dichloroethene       1       J         156-60-5trans-1, 2-Dichloroethene       5       U         10061-01-5cis-1, 3-Dichloropropane       5       U         10061-02-6trans-1, 3-Dichloropropene       5       U         100-41-4Ethylbenzene       5       U         591-78-62-Hexanone       25       U         98-82-8Methyl acetate       5       U         108-87-2	110-82-7	Cyclohexane		5	lυ
96-12-81,2-Dibromo-3-chloropropane       5       U         95-50-11,2-Dichlorobenzene       5       U         541-73-11,3-Dichlorobenzene       5       U         106-46-71,4-Dichlorobenzene       5       U         75-71-8Dichlorodifluoromethane       5       U         75-34-31,1-Dichloroethane       5       U         107-06-21,2-Dichloroethane       5       U         75-35-41,1-Dichloroethene       5       U         156-69-2cis-1,2-Dichloroethene       1       J         156-60-5trans-1,2-Dichloroethene       5       U         78-87-51,2-Dichloropropane       5       U         10061-01-5cis-1,3-Dichloropropene       5       U         100-41-4Ethylbenzene       5       U         591-78-62-Hexanone       25       U         98-82-8				5	บ
95-50-11,2-Dichlorobenzene       5       U         541-73-11,3-Dichlorobenzene       5       U         106-46-71,4-Dichlorobenzene       5       U         75-71-8Dichlorodifluoromethane       5       U         75-34-31,1-Dichloroethane       5       U         107-06-21,2-Dichloroethane       5       U         75-35-41,1-Dichloroethene       5       U         156-59-2cis-1,2-Dichloroethene       1       J         156-60-5trans-1,2-Dichloroethene       5       U         78-87-51,2-Dichloropropane       5       U         10061-01-5cis-1,3-Dichloropropene       5       U         100-41-4Ethylbenzene       5       U         591-78-62-Hexanone       25       U         98-82-8Bethyl acetate       5       U         108-87-2Methyl cyclohexane       5       U	124-48-1	Dibromochloromethane		5	lυ
95-50-11,2-Dichlorobenzene       5       U         541-73-11,3-Dichlorobenzene       5       U         106-46-71,4-Dichlorobenzene       5       U         75-71-8Dichlorodifluoromethane       5       U         75-34-31,1-Dichloroethane       5       U         107-06-21,2-Dichloroethane       5       U         75-35-41,1-Dichloroethene       5       U         156-59-2cis-1,2-Dichloroethene       1       J         156-60-5trans-1,2-Dichloroethene       5       U         78-87-51,2-Dichloropropane       5       U         10061-01-5cis-1,3-Dichloropropene       5       U         100-41-4Ethylbenzene       5       U         591-78-62-Hexanone       25       U         98-82-8Bethyl acetate       5       U         108-87-2Methyl cyclohexane       5       U	96-12-8	1,2-Dibromo-3-chloropropan	e	5	שו
541-73-11,3-Dichlorobenzene       5       U         106-46-71,4-Dichlorobenzene       5       U         75-71-8Dichlorodifluoromethane       5       U         75-34-31,1-Dichloroethane       5       U         107-06-21,2-Dichloroethane       5       U         75-35-41,1-Dichloroethene       5       U         156-59-2cis-1,2-Dichloroethene       1       J         156-60-5trans-1,2-Dichloroethene       5       U         78-87-51,2-Dichloropropane       5       U         10061-01-5cis-1,3-Dichloropropene       5       U         10061-02-6trans-1,3-Dichloropropene       5       U         100-41-4Ethylbenzene       5       U         591-78-62-Hexanone       25       U         98-82-8Isopropylbenzene       5       U         79-20-9Methyl acetate       5       U         108-87-2Methylcyclohexane       5       U				5	ט
106-46-71,4-Dichlorobenzene       5       U         75-71-8Dichlorodifluoromethane       5       U         75-34-31,1-Dichloroethane       5       U         107-06-21,2-Dichloroethane       5       U         75-35-41,1-Dichloroethene       5       U         156-59-2cis-1,2-Dichloroethene       1       J         156-60-5trans-1,2-Dichloroethene       5       U         78-87-51,2-Dichloropropane       5       U         10061-01-5cis-1,3-Dichloropropene       5       U         10061-02-6trans-1,3-Dichloropropene       5       U         100-41-4Ethylbenzene       5       U         591-78-62-Hexanone       25       U         98-82-8Methyl acetate       5       U         108-87-2Methylcyclohexane       5       U				5	ט
75-71-8Dichlorodifluoromethane       5       U         75-34-31,1-Dichloroethane       5       U         107-06-21,2-Dichloroethane       5       U         75-35-41,1-Dichloroethane       5       U         156-59-2cis-1,2-Dichloroethane       1       J         156-60-5trans-1,2-Dichloroethane       5       U         78-87-51,2-Dichloropropane       5       U         10061-01-5cis-1,3-Dichloropropane       5       U         10061-02-6trans-1,3-Dichloropropane       5       U         100-41-4Ethylbenzene       5       U         591-78-62-Hexanone       25       U         98-82-8Methyl acetate       5       U         108-87-2					ט
75-34-31,1-Dichloroethane       5       U         107-06-21,2-Dichloroethane       5       U         75-35-41,1-Dichloroethene       5       U         156-59-2cis-1,2-Dichloroethene       1       J         156-60-5trans-1,2-Dichloroethene       5       U         78-87-51,2-Dichloropropane       5       U         10061-01-5cis-1,3-Dichloropropene       5       U         10061-02-6trans-1,3-Dichloropropene       5       U         100-41-4Ethylbenzene       5       U         591-78-62-Hexanone       25       U         98-82-8Methyl acetate       5       U         108-87-2				5	ไบ
107-06-21,2-Dichloroethane       5       U         75-35-41,1-Dichloroethene       5       U         156-59-2cis-1,2-Dichloroethene       1       J         156-60-5trans-1,2-Dichloroethene       5       U         78-87-51,2-Dichloropropane       5       U         10061-01-5cis-1,3-Dichloropropene       5       U         10061-02-6trans-1,3-Dichloropropene       5       U         100-41-4Ethylbenzene       5       U         591-78-62-Hexanone       25       U         98-82-8Isopropylbenzene       5       U         79-20-9Methyl acetate       5       U         108-87-2					โบ
75-35-41,1-Dichloroethene       5       U         156-59-2cis-1,2-Dichloroethene       1       J         156-60-5trans-1,2-Dichloroethene       5       U         78-87-51,2-Dichloropropane       5       U         10061-01-5cis-1,3-Dichloropropene       5       U         10061-02-6trans-1,3-Dichloropropene       5       U         100-41-4Ethylbenzene       5       U         591-78-62-Hexanone       25       U         98-82-8Isopropylbenzene       5       U         79-20-9Methyl acetate       5       U         108-87-2				5	טו
156-59-2cis-1,2-Dichloroethene       1       J         156-60-5trans-1,2-Dichloroethene       5       U         78-87-51,2-Dichloropropane       5       U         10061-01-5cis-1,3-Dichloropropene       5       U         10061-02-6trans-1,3-Dichloropropene       5       U         100-41-4Ethylbenzene       5       U         591-78-62-Hexanone       25       U         98-82-8Isopropylbenzene       5       U         79-20-9Methyl acetate       5       U         108-87-2Methylcyclohexane       5       U	75-35-4	1,1-Dichloroethene			υ
156-60-5trans-1,2-Dichloroethene       5       U         78-87-51,2-Dichloropropane       5       U         10061-01-5cis-1,3-Dichloropropene       5       U         10061-02-6trans-1,3-Dichloropropene       5       U         100-41-4Ethylbenzene       5       U         591-78-62-Hexanone       25       U         98-82-8Isopropylbenzene       5       U         79-20-9Methyl acetate       5       U         108-87-2Methylcyclohexane       5       U					J.
78-87-51,2-Dichloropropane       5       U         10061-01-5cis-1,3-Dichloropropene       5       U         10061-02-6trans-1,3-Dichloropropene       5       U         100-41-4Ethylbenzene       5       U         591-78-62-Hexanone       25       U         98-82-8Isopropylbenzene       5       U         79-20-9Methyl acetate       5       U         108-87-2Methylcyclohexane       5       U				5	1 -
10061-01-5cis-1,3-Dichloropropene       5       U         10061-02-6trans-1,3-Dichloropropene       5       U         100-41-4Ethylbenzene       5       U         591-78-62-Hexanone       25       U         98-82-8Isopropylbenzene       5       U         79-20-9Methyl acetate       5       U         108-87-2Methylcyclohexane       5       U					Ū
10061-02-6trans-1,3-Dichloropropene       5       U         100-41-4Ethylbenzene       5       U         591-78-62-Hexanone       25       U         98-82-8Isopropylbenzene       5       U         79-20-9Methyl acetate       5       U         108-87-2Methylcyclohexane       5       U					1 -
100-41-4Ethylbenzene       5       U         591-78-6			,		1 -
591-78-62-Hexanone       25       U         98-82-8Isopropylbenzene       5       U         79-20-9Methyl acetate       5       U         108-87-2Methylcyclohexane       5       U					1 -
98-82-8Isopropylbenzene       5       U         79-20-9Methyl acetate       5       U         108-87-2Methylcyclohexane       5       U				_	1 -
79-20-9Methyl acetate 5 U 108-87-2Methylcyclohexane 5 U					1 -
108-87-2Methylcyclohexane 5 U					1 -
					1 -
			· ·	3	BJ

	ALBW10032
Lab Name: STL Buffalo Contract: 744538	
Lab Code: RECNY Case No.: SAS No.:	SDG No.:
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: A6B01109
Sample wt/vol: 5.57 (g/mL) G	Lab File ID: F2504.RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv: 09/25/2006 09/26/2006
% Moisture: not dec. 9 Heated Purge: Y	Date Analyzed: <u>09/28/2006</u>
GC Column: <u>DB-624</u> ID: <u>0.18</u> (mm)	Dilution Factor:1.00
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)
CAS NO COMPOSIND	CONCENTRATION UNITS: (ua/L or ua/Ka) UG/KG O

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
108-10-1	4-Methyl-2-pentanone	·	25	υ
	Methyl-t-Butyl Ether (MTBE)		5	<b>U</b> .
100-42-5	Styrene		5	ש
79-34-5	1,1,2,2-Tetrachloroethane		5	U
127-18-4	Tetrachloroethene		5 '	שׁ
108-88-3	Toluene		5	U .
120-82-1	1,2,4-Trichlorobenzene		5	שׁ
71-55-6	1,1,1-Trichloroethane		5	ַ
79-00-5	1,1,2-Trichloroethane		5	U
	1,1,2-Trichloro-1,2,2-trifluor	oethane	5	ַ ט
75-69-4	Trichlorofluoromethane		. 5	ប
79-01-6	Trichloroethene		5	U
108-05-4	Vinyl acetate		25	U
	Vinyl chloride	······································	10	U
1330-20-7	Total Xylenes		15	U ·
1				

#### METHOD 8260 - TCL VOLATILE ORGANICS TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: STL Buffalo Contract: 744538	ALBW10032
Lab Code: RECNY Case No.: SAS No.:	SDG No.:
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: A6B01109
Sample wt/vol: $\underline{5.57}$ (g/mL) $\underline{G}$	Lab File ID: <u>F2504.RR</u>
Level: (low/med) <u>LOW</u>	Date Samp/Recv: 09/25/2006 09/26/2006
% Moisture: not dec. 8.8	Date Analyzed: 09/28/2006
GC Column: <u>DB-624</u> ID: <u>0.18</u> (mm)	Dilution Factor:1.00
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)
Number TICs found: _0	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u>
CAS NO. Compound Name	RT Est. Conc. Q

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:  $\underline{5.34}$  (g/mL)  $\underline{G}$  Lab File ID:  $\underline{F2505.RR}$ 

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

% Moisture: not dec. <u>5</u> Heated Purge: Y Date Analyzed: <u>09/28/2006</u>

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

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

## CONCENTRATION UNITS:

67-64-1	CAS NO.	COMPOUND	(ug/L or ug/K	g) <u>I</u>	JG/KG	Q
75-27-4	67-64-1	Acetone			_	
75-25-2	71-43-2	Benzene				
74-83-9	75-27-4	Bromodichloromethane			5	1 "
78-93-32-Butanone       24       U         75-15-0Carbon Disulfide       5       U         56-23-5Carbon Tetrachloride       5       U         108-90-7Chlorobenzene       5       U         75-00-3Chlorocethane       5       U         67-66-3Chloromethane       5       U         74-87-3Chloromethane       5       U         110-82-7Cyclohexane       5       U         106-93-41, 2-Dibromo-3-chloromethane       5       U         106-93-41, 2-Dibromo-3-chloropropane       5       U         96-12-81, 2-Dichlorobenzene       5       U         95-50-11, 2-Dichlorobenzene       5       U         95-50-11, 3-Dichlorobenzene       5       U         75-71-8Dichlorocethane       5       U         75-71-8Dichlorocethane       5       U         75-341, 1-Dichlorocethene       5       U         156-69-2cis-1, 2-Dichlorocethene       5       U         156-60-5trans-1, 2-Dichloropropane       5       U         10061-01-5cis-1, 3-Dichloropropane       5       U         10061-02-6trans-1, 3-Dichloropropane       5       U         100-41	75-25-2	Bromoform				1 - 1
75-15-0Carbon Disulfide 56-23-5Carbon Tetrachloride 108-90-7Chlorobenzene 75-00-3Chloroethane 5 U 75-00-3Chloroethane 5 U 76-66-3Chloromethane 5 U 74-87-3Chloromethane 5 U 74-87-3	74-83-9	Bromomethane			_	_
56-23-5Carbon Tetrachloride       5       U         108-90-7Chlorobenzene       5       U         75-00-3Chloroethane       5       U         67-66-3Chloromethane       5       U         74-87-3Chloromethane       5       U         110-82-7Cyclohexane       5       U         106-93-41,2-Dibromoethane       5       U         106-93-41,2-Dibromoethane       5       U         96-12-81,2-Dibromoethane       5       U         96-12-81,2-Dichloroethane       5       U         96-12-81,2-Dichlorobenzene       5       U         95-17-81,1-Dichlorobenzene       5       U         97-34-31,1-Dichlorobethane       5       U         107-06-21,2-Dichlorobethene       5       U         156-60-5trans-1,2-Dichlorobethene       5       U         10061-01-5cis-1,3-Dichloropropane       5       U         10061-02-6trans-1,3-Dichl			_			ָּט
108-90-7Chlorobenzene       5       U         75-00-3Chloroethane       5       U         67-66-3Chloromethane       5       U         74-87-3Chloromethane       5       U         110-82-7Cyclohexane       5       U         106-93-41,2-Dibromoethane       5       U         124-48-1Dibromochloromethane       5       U         96-12-81,2-Dibromo-3-chloropropane       5       U         96-12-81,2-Dichlorobenzene       5       U         95-50-11,2-Dichlorobenzene       5       U         541-73-11,3-Dichlorobenzene       5       U         75-71-8Dichlorobenzene       5       U         75-71-8Dichlorobenzene       5       U         75-34-31,1-Dichlorocethane       5       U         107-06-21,2-Dichlorocethene       5       U         75-35-41,1-Dichlorocethene       5       U         156-65-2	75-15-0	Carbon Disulfide				1 -
75-00-3Chloroethane       5       U         67-66-3Chloroform       5       U         74-87-3Chloromethane       5       U         110-82-7Cyclohexane       5       U         106-93-41,2-Dibromochloromethane       5       U         124-48-1Dibromochloromethane       5       U         96-12-81,2-Dibromo-3-chloropropane       5       U         95-50-11,2-Dichlorobenzene       5       U         541-73-11,3-Dichlorobenzene       5       U         541-73-11,4-Dichlorobenzene       5       U         75-71-8Dichlorodifluoromethane       5       U         75-34-31,1-Dichloroethane       5       U         75-34-31,1-Dichloroethane       5       U         75-35-41,1-Dichloroethene       5       U         75-35-41,2-Dichloroethene       5       U         75-35-41,2-Dichloroethene       5       U         78-87-51,2-Dichloropropane       5       U         10061-01-5cis-1,3-Dichloropropene       5       U         10061-02-6trans-1,3-Dichloropropene       5       U         100-41-4Ethylbenzene       5       U         591-78-62-Hexanon	56-23-5	Carbon Tetrachloride		*		
67-66-3Chloroform       5       U         74-87-3Chloromethane       5       U         110-82-7Cyclohexane       5       U         106-93-41,2-Dibromoethane       5       U         124-48-1Dibromochloromethane       5       U         96-12-81,2-Dibromo-3-chloropropane       5       U         95-50-11,2-Dichlorobenzene       5       U         95-50-11,3-Dichlorobenzene       5       U         541-73-11,3-Dichlorobenzene       5       U         75-71-8Dichlorobenzene       5       U         75-71-8Dichlorobenzene       5       U         75-34-31,1-Dichloroethane       5       U         75-35-41,2-Dichloroethane       5       U         156-59-2cis-1,2-Dichloroethene       5       U         156-60-5trans-1,2-Dichloropropane       5       U         10061-01-5cis-1,3-Dichloropropene       5       U         10061-02-6trans-1,3-Dichloropropene       5       U         100-41-4Ethylbenzene       5       U         591-78-62-Hexanone       24       U         98-82-8	108-90-7	Chlorobenzene				1 1
74-87-3Chloromethane       5       U         110-82-7Cyclohexane       5       U         106-93-41,2-Dibromethane       5       U         124-48-1Dibromo-3-chloropropane       5       U         96-12-81,2-Dibromo-3-chloropropane       5       U         95-50-11,2-Dichlorobenzene       5       U         541-73-11,3-Dichlorobenzene       5       U         541-73-11,3-Dichlorobenzene       5       U         75-71-8Dichlorobenzene       5       U         75-71-8Dichlorobenzene       5       U         75-34-31,1-Dichloroethane       5       U         75-35-41,2-Dichloroethane       5       U         75-35-41,1-Dichloroethene       5       U         156-60-5trans-1,2-Dichloroethene       5       U         78-87-51,2-Dichloropropane       5       U         10061-02-6trans-1,3-Dichloropropene       5       U         100-41-4	75-00-3	Chloroethane				
110-82-7Cyclohexane       5       U         106-93-41,2-Dibromoethane       5       U         124-48-1Dibromochloromethane       5       U         96-12-81,2-Dibromo-3-chloropropane       5       U         95-50-11,2-Dichlorobenzene       5       U         541-73-11,3-Dichlorobenzene       5       U         106-46-71,4-Dichlorobenzene       5       U         75-71-8Dichlorodifluoromethane       5       U         75-34-31,1-Dichloroethane       5       U         107-06-21,2-Dichloroethane       5       U         75-35-41,1-Dichloroethene       5       U         156-69-2cis-1,2-Dichloroethene       5       U         156-60-5trans-1,2-Dichloroethene       5       U         78-87-51,2-Dichloropropane       5       U         10061-01-5cis-1,3-Dichloropropene       5       U         100-41-4Ethylbenzene       5       U         591-78-62-Hexanone       24       U         98-82-8	67-66-3	Chloroform				1 - 1
106-93-41,2-Dibromoethane       5       U         124-48-1Dibromochloromethane       5       U         96-12-81,2-Dibromo-3-chloropropane       5       U         95-50-11,2-Dichlorobenzene       5       U         541-73-11,3-Dichlorobenzene       5       U         106-46-71,4-Dichlorobenzene       5       U         75-71-8Dichlorodifluoromethane       5       U         75-34-31,1-Dichloroethane       5       U         107-06-21,2-Dichloroethane       5       U         75-35-41,1-Dichloroethene       5       U         156-69-2cis-1,2-Dichloroethene       5       U         78-87-51,2-Dichloroethene       5       U         106-10-5cis-1,3-Dichloropropane       5       U         10061-01-5cis-1,3-Dichloropropene       5       U         100-41-4Ethylbenzene       5       U         591-78-62-Hexanone       24       U         98-82-8Methyl acetate       5       U         108-87-2	74-87-3	Chloromethane				
124-48-1Dibromochloromethane       5       U         96-12-81,2-Dibromo-3-chloropropane       5       U         95-50-11,2-Dichlorobenzene       5       U         541-73-11,3-Dichlorobenzene       5       U         106-46-71,4-Dichlorobenzene       5       U         75-71-8Dichlorodifluoromethane       5       U         75-34-31,1-Dichloroethane       5       U         107-06-21,2-Dichloroethane       5       U         75-35-41,1-Dichloroethene       5       U         156-59-2cis-1,2-Dichloroethene       3       J         156-60-5trans-1,2-Dichloroethene       5       U         78-87-51,2-Dichloropropane       5       U         10061-01-5cis-1,3-Dichloropropene       5       U         100-41-4Ethylbenzene       5       U         591-78-62-Hexanone       24       U         98-82-8Isopropylbenzene       5       U         79-20-9Methyl acetate       5       U         108-87-2						
96-12-81,2-Dibromo-3-chloropropane       5       U         95-50-11,2-Dichlorobenzene       5       U         541-73-11,3-Dichlorobenzene       5       U         106-46-71,4-Dichlorobenzene       5       U         75-71-8Dichlorodifluoromethane       5       U         75-34-31,1-Dichloroethane       5       U         107-06-21,2-Dichloroethane       5       U         75-35-41,1-Dichloroethene       5       U         156-59-2cis-1,2-Dichloroethene       3       J         156-60-5trans-1,2-Dichloroethene       5       U         78-87-51,2-Dichloropropane       5       U         10061-01-5cis-1,3-Dichloropropene       5       U         100-41-4Ethylbenzene       5       U         591-78-62-Hexanone       24       U         98-82-8Isopropylbenzene       5       U         79-20-9Methyl acetate       5       U         108-87-2Methylcyclohexane       5       U	106-93-4	1,2-Dibromoethane		•		
95-50-11,2-Dichlorobenzene       5       U         541-73-11,3-Dichlorobenzene       5       U         106-46-71,4-Dichlorobenzene       5       U         75-71-8Dichlorodifluoromethane       5       U         75-34-31,1-Dichloroethane       5       U         107-06-21,2-Dichloroethane       5       U         75-35-41,1-Dichloroethene       5       U         156-59-2cis-1,2-Dichloroethene       3       J         156-60-5trans-1,2-Dichloroethene       5       U         78-87-51,2-Dichloropropane       5       U         10061-01-5cis-1,3-Dichloropropene       5       U         100-41-4Ethylbenzene       5       U         591-78-62-Hexanone       24       U         98-82-8Isopropylbenzene       5       U         79-20-9Methyl acetate       5       U         108-87-2Methylcyclohexane       5       U	124-48-1	Dibromochloromethane				-
541-73-11,3-Dichlorobenzene       5       U         106-46-71,4-Dichlorobenzene       5       U         75-71-8Dichlorodifluoromethane       5       U         75-34-31,1-Dichloroethane       5       U         107-06-21,2-Dichloroethane       5       U         75-35-41,1-Dichloroethene       5       U         156-59-2cis-1,2-Dichloroethene       3       J         156-60-5trans-1,2-Dichloroethene       5       U         78-87-51,2-Dichloropropane       5       U         10061-01-5cis-1,3-Dichloropropene       5       U         10061-02-6trans-1,3-Dichloropropene       5       U         100-41-4Ethylbenzene       5       U         591-78-62-Hexanone       24       U         98-82-8Isopropylbenzene       5       U         79-20-9Methyl acetate       5       U         108-87-2Methylcyclohexane       5       U	96-12-8	1,2-Dibromo-3-chloropropane				I -
106-46-71,4-Dichlorobenzene       5       U         75-71-8Dichlorodifluoromethane       5       U         75-34-31,1-Dichloroethane       5       U         107-06-21,2-Dichloroethane       5       U         75-35-41,1-Dichloroethene       5       U         156-59-2cis-1,2-Dichloroethene       3       J         156-60-5trans-1,2-Dichloroethene       5       U         78-87-51,2-Dichloropropane       5       U         10061-01-5cis-1,3-Dichloropropene       5       U         10061-02-6trans-1,3-Dichloropropene       5       U         100-41-4Ethylbenzene       5       U         591-78-62-Hexanone       24       U         98-82-8Methyl acetate       5       U         108-87-2Methylcyclohexane       5       U	95-50-1	1,2-Dichlorobenzene				
75-71-8Dichlorodifluoromethane       5       U         75-34-31,1-Dichloroethane       5       U         107-06-21,2-Dichloroethane       5       U         75-35-41,1-Dichloroethene       5       U         156-59-2cis-1,2-Dichloroethene       3       J         156-60-5trans-1,2-Dichloroethene       5       U         78-87-51,2-Dichloropropane       5       U         10061-01-5cis-1,3-Dichloropropene       5       U         10061-02-6trans-1,3-Dichloropropene       5       U         100-41-4Ethylbenzene       5       U         591-78-62-Hexanone       24       U         98-82-8Isopropylbenzene       5       U         79-20-9Methyl acetate       5       U         108-87-2	541-73-1	1,3-Dichlorobenzene				1 - 4
75-34-31,1-Dichloroethane       5       U         107-06-21,2-Dichloroethane       5       U         75-35-41,1-Dichloroethene       5       U         156-59-2cis-1,2-Dichloroethene       3       J         156-60-5trans-1,2-Dichloroethene       5       U         78-87-51,2-Dichloropropane       5       U         10061-01-5cis-1,3-Dichloropropene       5       U         10061-02-6trans-1,3-Dichloropropene       5       U         100-41-4Ethylbenzene       5       U         591-78-62-Hexanone       24       U         98-82-8Isopropylbenzene       5       U         79-20-9Methyl acetate       5       U         108-87-2Methylcyclohexane       5       U	106-46-7	1,4-Dichlorobenzene				
107-06-21,2-Dichloroethane       5       U         75-35-41,1-Dichloroethene       5       U         156-59-2cis-1,2-Dichloroethene       3       J         156-60-5trans-1,2-Dichloroethene       5       U         78-87-51,2-Dichloropropane       5       U         10061-01-5cis-1,3-Dichloropropene       5       U         10061-02-6trans-1,3-Dichloropropene       5       U         100-41-4Ethylbenzene       5       U         591-78-62-Hexanone       24       U         98-82-8Isopropylbenzene       5       U         79-20-9Methyl acetate       5       U         108-87-2Methylcyclohexane       5       U	75-71-8	Dichlorodifluoromethane				
75-35-41,1-Dichloroethene       5       U         156-59-2cis-1,2-Dichloroethene       3       J         156-60-5trans-1,2-Dichloroethene       5       U         78-87-51,2-Dichloropropane       5       U         10061-01-5cis-1,3-Dichloropropene       5       U         10061-02-6trans-1,3-Dichloropropene       5       U         100-41-4Ethylbenzene       5       U         591-78-62-Hexanone       24       U         98-82-8Isopropylbenzene       5       U         79-20-9Methyl acetate       5       U         108-87-2Methylcyclohexane       5       U	75-34-3	1,1-Dichloroethane				ł I
156-59-2cis-1,2-Dichloroethene       3       J         156-60-5trans-1,2-Dichloroethene       5       U         78-87-51,2-Dichloropropane       5       U         10061-01-5cis-1,3-Dichloropropene       5       U         10061-02-6trans-1,3-Dichloropropene       5       U         100-41-4Ethylbenzene       5       U         591-78-62-Hexanone       24       U         98-82-8Isopropylbenzene       5       U         79-20-9Methyl acetate       5       U         108-87-2Methylcyclohexane       5       U	107-06-2	1,2-Dichloroethane				
156-60-5trans-1,2-Dichloroethene       5       U         78-87-51,2-Dichloropropane       5       U         10061-01-5cis-1,3-Dichloropropene       5       U         10061-02-6trans-1,3-Dichloropropene       5       U         100-41-4Ethylbenzene       5       U         591-78-62-Hexanone       24       U         98-82-8Isopropylbenzene       5       U         79-20-9Methyl acetate       5       U         108-87-2Methylcyclohexane       5       U	75-35-4	1,1-Dichloroethene				
78-87-51,2-Dichloropropane       5       U         10061-01-5cis-1,3-Dichloropropene       5       U         10061-02-6trans-1,3-Dichloropropene       5       U         100-41-4Ethylbenzene       5       U         591-78-62-Hexanone       24       U         98-82-8Isopropylbenzene       5       U         79-20-9Methyl acetate       5       U         108-87-2Methylcyclohexane       5       U	156-59-2	cis-1,2-Dichloroethene				
10061-01-5cis-1,3-Dichloropropene       5       U         10061-02-6trans-1,3-Dichloropropene       5       U         100-41-4Ethylbenzene       5       U         591-78-62-Hexanone       24       U         98-82-8Isopropylbenzene       5       U         79-20-9Methyl acetate       5       U         108-87-2Methylcyclohexane       5       U	156-60-5	trans-1,2-Dichloroethene				
10061-02-6trans-1,3-Dichloropropene       5       U         100-41-4Ethylbenzene       5       U         591-78-62-Hexanone       24       U         98-82-8Isopropylbenzene       5       U         79-20-9Methyl acetate       5       U         108-87-2Methylcyclohexane       5       U	78-87-5	1,2-Dichloropropane				
100-41-4Ethylbenzene       5       U         591-78-62-Hexanone       24       U         98-82-8Isopropylbenzene       5       U         79-20-9Methyl acetate       5       U         108-87-2Methylcyclohexane       5       U	10061-01-5-	cis-1,3-Dichloropropene				1 - 1
591-78-62-Hexanone       24       U         98-82-8Isopropylbenzene       5       U         79-20-9Methyl acetate       5       U         108-87-2Methylcyclohexane       5       U	10061-02-6-	trans-1,3-Dichloropropene				
98-82-8 Isopropylbenzene       5       U         79-20-9 Methyl acetate       5       U         108-87-2 Methylcyclohexane       5       U	100-41-4	Ethylbenzene				
79-20-9Methyl acetate 5 U 108-87-2Methylcyclohexane 5 U	591-78-6	2-Hexanone				1 - 1
108-87-2Methylcyclohexane 5 U	98-82-8	Isopropylbenzene				1 1
108-87-2Methylcyclohexane 5 U	79-20-9	Methyl acetate				U
	108-87-2	Methylcyclohexane			5	U
					3	BJ

	ALBW10033
Lab Name: STL Buffalo Contract: 744538	
Lab Code: RECNY Case No.: SAS No.:	SDG No.:
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: A6B01110
Sample wt/vol: 5.34 (g/mL) G	Lab File ID: <u>F2505.RR</u>
Level: (low/med) <u>LOW</u>	Date Samp/Recv: 09/25/2006 09/26/2006
% Moisture: not dec. <u>5</u> Heated Purge: Y	Date Analyzed: 09/28/2006
GC Column: <u>DB-624</u> ID: <u>0.18</u> (mm)	Dilution Factor: 1.00
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)
· · · · · · · · · · · · · · · · · · ·	THE PROPERTY OF THE PROPERTY.

CAS NO.	COMPOUND	CONCENTRATION UNI: (ug/L or ug/Kg)	IS: <u>UG/KG</u>	Q
108-10-1	4-Methyl-2-pentanor	ne	24	U .
1634-04-4	Methyl-t-Butyl Ethe	er (MIBE)	5	ַ ע
100-42-5	Styrene		5	שׁ
79-34-5	1,1,2,2-Tetrachloro	pethane	5	U.
127-18-4	Tetrachloroethene		5	שׁן
108-88-3	Toluene		5	់  ប
120-82-1	1,2,4-Trichlorobenz	zene	5	י  ט
71-55-6	1,1,1-Trichloroetha	ane	5	ט
	1,1,2-Trichloroetha		5	U
76-13-1	1,1,2-Trichloro-1,2	2,2-trifluoroethane	5	บ
	Trichlorofluorometh		5	ט
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

Client No.

Lab Name: STL Buffalo	Contract: 744538	<b></b> .		TDMT0033	<del></del>	
Lab Code: <u>RECNY</u> Case No.: _	SAS No.:	SDG No.: _	<del></del>			
Matrix: (soil/water) <u>SOIL</u>		Lab Sampl	le ID: A	A6B01110	<del></del>	·
Sample wt/vol: $\underline{5.34}$ (s	g/mĹ) <u>G</u>	Lab File	ID: E	2505.RR	<u></u>	-
Level: (low/med) <u>LOW</u>		Date Sam	o/Recv: 0	09/25/20	<u>06 09/</u>	<u> /26/2006</u>
% Moisture: not dec. 4.5		Date Ana	lyzed: 0	09/28/20	<u>06</u>	
GC Column: DB-624 ID: 0	.18 (mm)	Dilution	Factor: _	1.00	٠.	
Soil Extract Volume: (1	ıL)	Soil Alia	quot Volum	ne:	(	(uL)
Number TICs found: _0		CONCENTRAT: (ug/L or t				
CAS NO.	Compound Name	RT	Est. Co	onc.	Q	

Compound Name

Client No.

			ALBW10034	
Lab Name: <u>STL Buffalo</u>	Contract: <u>744538</u>		<u> </u>	<del> </del>
Lab Code: RECNY Case No.:	SAS No.:	SDG No.:		
Matrix: (soil/water) <u>SOIL</u>		Lab Sample ID:	A6B01111	·
Sample wt/vol: 4.77 (g/mL)	<u>G</u> .	Lab File ID:	F2506.RR	
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	09/25/2006	09/26/2006
% Moisture: not dec. <u>4</u> Heate	d Purge: <u>Y</u>	Date Analyzed:	09/28/2006	
GC Column: <u>DB-624</u> ID: <u>0.18</u> (1	mm)	Dilution Factor:	1.00	
Soil Extract Volume:(uL)		Soil Aliquot Vol	ume:	(uL)

#### CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q 67-64-1-----Acetone U 27 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 IJ 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 В

:	•		ALBW10034
Lab Name: <u>SIL Buffalo</u>	Contract: <u>744538</u>		
Lab Code: RECNY Case No.:	SAS No.:	SDG No.:	•
Matrix: (soil/water) <u>SOIL</u>		Lab Sample ID:	A6B01111
Sample wt/vol: $4.77$ (g/mL)	<u>G</u>	Lab File ID:	F2506.RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	09/25/2006 09/26/2006
% Moisture: not dec. <u>4</u> Heated	l Purge: Y	Date Analyzed:	09/28/2006
GC Column: <u>DB-624</u> ID: <u>0.18</u> (m	m)	Dilution Factor:	1.00
Soil Extract Volume: (uL)		Soil Aliquot Vol	ume:(uL)

CONCENTRATION (ug/L or ug/		Q
108-10-14-Methyl-2-pentanone 1634-04-4Methyl-t-Butyl Ether (MTBE) 100-42-5Styrene 79-34-51,1,2,2-Tetrachloroethane 127-18-4Tetrachloroethene 108-88-3Toluene 120-82-11,2,4-Trichlorobenzene 71-55-61,1,1-Trichloroethane 79-00-51,1,2-Trichloroethane 76-13-11,1,2-Trichloro-1,2,2-trifluoroethane 75-69-4Trichlorofluoromethane	27 5 5 5 5 5 5 5 5 5 5	ממממממממ
79-01-6Trichloroethene 108-05-4Vinyl acetate 75-01-4Vinyl chloride 1330-20-7Total Xylenes	5 27 11 16	ព ព ព

# METHOD 8260 - TCL VOLATILE ORGANICS : TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: SIL Buffalo	Contract: 744538	<u>.</u>	PCOOTMODA	
Lab Code: RECNY Case No.: _	SAS No.:	SDG No.:		
Matrix: (soil/water) SOIL		Lab Sample ID:	A6B01111	
Sample wt/vol: 4.77 (c	r/mL) <u>G</u>	Lab File ID:	F2506.RR	
Level: (low/med) <u>LOW</u>	•	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.	<u>18</u> (mm)	Dilution Factor	:1.00	
Soil Extract Volume: (u	Soil Aliquot Volume: (uL)  CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG			
Number TICs found:0				
CAS NO.	Compound Name	RT Est.	Conc. O	

Client No.

			ALBW10035
Lab Name: <u>STL Buffalo</u>	Contract: 744538		<u></u>
Lab Code: RECNY Case No.:	_ SAS No.:	SDG No.:	
Matrix: (soil/water) SOIL		Lab Sample ID:	A6B01112
Sample wt/vol: $\underline{4.31}$ (g/mL)	) <u>G</u>	Lab File ID:	F2507.RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	09/25/2006 09/26/2006
% Moisture: not dec. <u>8</u> Heate	ed Purge: <u>Y</u>	Date Analyzed:	09/28/2006
GC Column: <u>DB-624</u> ID: <u>0.18</u>	(mm)	Dilution Factor:	1.00
Soil Extract Volume: (u.)		Soil Alignot Vol	ume• (uT.)

CONCENTRATION UNITS:

		CONCENTRATION UN		
CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	. Q
67-64-1	Acetone		31	บ
71-43-2	Benzene		. 6	ับ
	Bromodichloromethane		6	ן ט
	Bromoform		. 6 .	U
74-83-9	Bromomethane		6	ע ו
78-93-3	2-Butanone		31	U
4	Carbon Disulfide		6	U
	Carbon Tetrachloride		6	ט
	Chlorobenzene		6	ט
75-00-3	Chloroethane		6	ן ט
	Chloroform		6	U
74-87-3	Chloromethane		6 .	U
110-82-7	Cyclohexane		6	ט
	1,2-Dibromoethane		6	U
	Dibromochloromethane		6	ט
96-12-8	1,2-Dibromo-3-chloropropane		6	ן ט
95-50-1	1,2-Dichlorobenzene		6	ן ט
	1,3-Dichlorobenzene		6	ע
106-46-7	1,4-Dichlorobenzene		6	ן ט
	Dichlorodifluoromethane		3	J
75-34-3	1,1-Dichloroethane		6	ט
	1,2-Dichloroethane		6	ט
75-35-4	1,1-Dichloroethene		6	ט
	cis-1,2-Dichloroethene		6	ט
156-60-5	trans-1,2-Dichloroethene		6	U
78-87-5	1,2-Dichloropropane		6	ע
10061-01-5-	cis-1,3-Dichloropropene		6	U
10061-02-6-	trans-1,3-Dichloropropene		6	U
	Ethylbenzene		6	U
591-78-6	2-Hexanone		31	U
98-82-8	Isopropylbenzene		6	ע
	Methyl acetate		6	U
	Methylcyclohexane		6	U
75-09-2	Methylene chloride		- 6	В
<u> </u>				L

Lab Name:	STL Buffalo Co	ontract · 744538		ALBW10	035	
	<u> </u>	MALACC. /11330	<del></del>			
Lab Code:	RECNY Case No.:	SAS No.:	SDG No.:	· · ·		
Matrix: (s	soil/water) <u>SOIL</u>		Lab Sample	ID: <u>A6B0111</u>	2	
Sample wt/	/vol: <u>4.31</u> (g/mL) <u>G</u>	_	Lab File II	D: <u>F2507.R</u>	R	
Level: (	(low/med) <u>LOW</u>		Date Samp/I	Recv: <u>09/25/2</u>	006 09/2	26/2006
% Moisture	e: not dec. <u>8</u> Heated I	Purge: <u>Y</u>	Date Analy	zed: <u>09/28/2</u>	006	· . · .'
GC Column:	<u>DB-624</u> ID: <u>0.18</u> (mm)	,	Dilution Fa	actor:1.0	<u>0</u>	
Soil Extract Volume: (uL) Soil Aliqu			Soil Alique	ot Volume:	(ı	ıL)
CONCENTRATION UNITS:						
C	AS NO. COMPOUND			g) <u>UG/KG</u>	Q ·	
1	.08-10-14-Methyl-2-per	ntanone		31	U	-
1	.634-04-4Methyl-t-Butyl	Ether (MIBE)		6	U	* . *
1	.00-42-5Styrene	•		6	ט	
7	9-34-51,1,2,2-Tetrac	chloroethane		6	ប	
1	27-18-4Tetrachloroeth	nene		6	U -	
1	.08-88 <b>-</b> 3Toluene		I.	6	ַ ע	
	20-82-11,2,4-Trichlor			6	U	
	1-55-61,1,1-Trichlor			6	U	
	9-00-51,1,2-Trichlor			6	ע	,
. 7	6-13-11,1,2-Trichlor	ro-1,2,2-trifluoro	cethane	6	U	
	5-69-4Trichlorofluor			6	U	
7	9-01-6Trichloroether	ne		6	ן ט	
1	08-05-4Vinyl acetate			31	ע	
	5-01-4Vinyl chloride			12	U	:
1	330-20-7Total Xylenes			19	U	

# METHOD 8260 - TCL VOLATILE ORGANICS TENTATIVELY IDENTIFIED COMPOUNDS

						ALBW10035		
Lab Name:	STL Buffalo	Contra	act: <u>744538</u>		ı			
Lab Code:	RECNY Case No.	: S	AS No.:	SDG No.: _	<del></del> .			
Matrix: (	soil/water) <u>SOIL</u>			Lab Sampl	e ID:	A6B01112	<del>-</del>	
Sample wt	/vol: <u>4.31</u>	(g/mL) <u>G</u>		Lab File	ID:	F2507.RR	·	
Level:	(low/med) <u>LOW</u>			Date Samp	/Recv:	09/25/200	<u>6 09/26/</u>	2006
% Moistur	e: not dec. <u>7.6</u>			Date Anal	yzed:	09/28/200	<u>6</u>	
GC Column	: <u>DB-624</u> ID:	0.18 (mm)	•	Dilution	Factor:	1.00		
Soil Extract Volume: (uL)			Soil Aliquot Volume: (uL)					
Number TI	Cs found: 0			CONCENTRATI (ug/L or u				
[	CAS NO.	Compo	ound Name	RT	Est.	Conc.	Q	



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-B134

STL Project#: NY5A9493 Site Name: <u>SENECA AD</u>

Task: Seneca Army Depot Ash Landfill Biowall Monitoring

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

STL Buffalo

10/02/2006

#### NON-CONFORMANCE SUMMARY

Job#: A06-B134

STL Project#: NY5A9493 Site Name: SENECA AD

#### 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-B134

Sample Cooler(s) were received at the following temperature(s);  $4.0~^{\circ}\text{C}$  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.

# METHOD 8260 - TCL VOLATILE ORGANICS ANALYSIS DATA SHEET

Client No.

ALBW10036	

Lab Name:STL BuffaloContract: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:

67-64-1Acetone       27       U         71-43-2Benzene       5       U         75-27-4Bromodichloromethane       5       U         75-25-2	CAS NO.	COMPOUND	(ug/L or ug/Kg	G/KG	Ç	)
75-27-4	67-64-1	Acetone		27	U	
75-25-2	71-43-2	Benzene		5	ប	
74-83-9	75-27-4	Bromodichloromethane		5	U	
78-93-32-Butanone       27       U         75-15-0Carbon Disulfide       5       U         56-23-5Carbon Tetrachloride       5       U         108-90-7Chlorobenzene       5       U         75-00-3Chlorobethane       5       U         67-66-3Chloromethane       5       U         74-87-3Chloromethane       5       U         106-93-41,2-Dibromo-thane       5       U         106-93-41,2-Dibromo-thane       5       U         106-93-41,2-Dibromo-thane       5       U         96-12-81,2-Dibromo-3-chloropropane       5       U         96-12-81,2-Dichlorobenzene       5       U         95-50-11,2-Dichlorobenzene       5       U         95-11,2-Dichlorobenzene       5       U         97-71-8Dichlorobenzene       5       U         106-46-71,2-Dichlorobenzene       5       U         107-06-21,2-Dichlorobethane       5       U         107-06-21,2-Dichlorobethene       5       U         156-60-5trans-1,2-Dichloropropene       5       U         10061-02-6trans-1,3-Dichloropropene       5       U         10061-02-6trans-1,3-Dich	75-25-2	Bromoform		5	U	
75-15-0Carbon Disulfide       5       U         56-23-5Carbon Tetrachloride       5       U         108-90-7Chlorobenzene       5       U         75-00-3Chloroethane       5       U         67-66-3Chloromethane       5       U         74-87-3Chloromethane       5       U         110-82-7Cyclohexane       5       U         106-93-4	74-83-9	Bromomethane		5	U	
56-23-5Carbon Tetrachloride       5       U         108-90-7Chlorobenzene       5       U         75-00-3Chlorothane       5       U         67-66-3Chloromethane       5       U         74-87-3Chloromethane       5       U         110-82-7Cyclohexane       5       U         106-93-41,2-Dibromo-3-chloropropane       5       U         96-12-81,2-Dibromo-3-chloropropane       5       U         96-12-81,2-Dichlorobenzene       5       U         95-50-11,2-Dichlorobenzene       5       U         95-511,2-Dichlorobenzene       5       U         95-11,2-Dichlorobenzene       5       U         95-11,1-Dichlorochenzene       5       U         95-1-81,1-Dichlorochane       3       J         75-34-31,1-Dichlorochane       5       U         95-35-41,2-Dichlorochane       5       U         95-35-41,1-Dichlorochane       5       U         95-59-2cis-1,2-Dichlorochane       5       U         97-35-41,1-Dichlorochane       5       U         97-8-8-51,2-Dichlorochane       5       U         98-87-51,3-Dichloropropene	78-93-3	2-Butanone		27	U	
108-90-7Chlorobenzene       5       U         75-00-3Chloroethane       5       U         67-66-3Chloromethane       5       U         74-87-3Chloromethane       5       U         110-82-7Cyclohexane       5       U         106-93-41,2-Dibromoethane       5       U         124-48-1Dibromoethane       5       U         96-12-81,2-Dibromo-3-chloropropane       5       U         96-12-81,2-Dichlorobenzene       5       U         96-12-81,2-Dichlorobenzene       5       U         96-12-81,2-Dichlorobenzene       5       U         95-50-11,2-Dichlorobenzene       5       U         95-50-11,2-Dichlorobenzene       5       U         106-46-71,4-Dichloroethane       3       J         75-34-31,1-Dichloroethane       5       U         97-34-31,1-Dichloroethane       5       U         107-621,2-Dichloroethane       5       U         107-35-41,2-Dichloroethene       5       U         156-59-2ts-1,2-Dichloroethene       5       U         1061-01-5cis-1,3-Dichloropropene       5       U         10061-02-6trans-1,3-Dichloropropene <td>75-15-0</td> <td>Carbon Disulfide</td> <td></td> <td></td> <td>U</td> <td></td>	75-15-0	Carbon Disulfide			U	
75-00-3Chloroethane       5       U         67-66-3Chloroform       5       U         74-87-3Chloromethane       5       U         110-82-7Cyclohexane       5       U         106-93-41,2-Dibromoethane       5       U         124-48-1Dibromochloromethane       5       U         96-12-81,2-Dibromo-3-chloropropane       5       U         95-50-11,2-Dichlorobenzene       5       U         541-73-11,3-Dichlorobenzene       5       U         106-46-71,4-Dichlorobenzene       5       U         75-34-31,1-Dichloroethane       5       U         75-34-31,1-Dichloroethane       5       U         107-06-21,2-Dichloroethene       5       U         156-59-2cis-1,2-Dichloroethene       5       U         156-60-5trans-1,2-Dichloroethene       5       U         10061-01-5cis-1,3-Dichloropropene       5       U         10061-02-6trans-1,3-Dichloropropene       5       U         100-41-4Ethylbenzene       5       U         591-78-62-Hexanone       27       U         98-82-8Isopropylbenzene       5       U         79-20-9Methyl acetate <td>56-23-5</td> <td>Carbon Tetrachloride</td> <td><u> </u></td> <td></td> <td>U</td> <td></td>	56-23-5	Carbon Tetrachloride	<u> </u>		U	
67-66-3Chloroform       5       U         74-87-3Chloromethane       5       U         110-82-7Cyclohexane       5       U         106-93-41,2-Dibromoethane       5       U         124-48-1Dibromochloromethane       5       U         96-12-81,2-Dibromo-3-chloropropane       5       U         95-50-11,2-Dichlorobenzene       5       U         95-50-11,3-Dichlorobenzene       5       U         541-73-11,3-Dichlorobenzene       5       U         106-46-71,4-Dichlorobenzene       5       U         75-71-8Dichloroethane       3       J         75-34-31,1-Dichloroethane       5       U         107-06-21,2-Dichloroethane       5       U         75-35-41,1-Dichloroethene       5       U         156-59-2cis-1,2-Dichloroethene       5       U         78-87-51,2-Dichloropropane       5       U         10061-01-5cis-1,3-Dichloropropene       5       U         10061-02-6trans-1,3-Dichloropropene       5       U         100-41-4Ethylbenzene       5       U         591-78-62-Hexanone       27       U         98-82-8Isopropylbenzene<					U	
74-87-3Chloromethane       5       U         110-82-7Cyclohexane       5       U         106-93-41,2-Dibromoethane       5       U         124-48-1Dibromochloromethane       5       U         96-12-81,2-Dibromo-3-chloropropane       5       U         95-50-11,2-Dichlorobenzene       5       U         541-73-11,3-Dichlorobenzene       5       U         106-46-71,4-Dichlorobenzene       5       U         75-71-8Dichlorobenzene       5       U         75-34-31,1-Dichloroethane       5       U         107-06-21,2-Dichloroethane       5       U         107-06-21,2-Dichloroethene       5       U         156-59-2cis-1,2-Dichloroethene       5       U         156-60-5trans-1,2-Dichloroethene       5       U         10061-01-5cis-1,3-Dichloropropene       5       U         10061-02-6trans-1,3-Dichloropropene       5       U         100-41-4Ethylbenzene       5       U         591-78-62-Hexanone       27       U         98-82-8Isopropylbenzene       5       U         108-87-2	75-00-3	Chloroethane			U	
110-82-7Cyclohexane       5       U         106-93-41,2-Dibromoethane       5       U         124-48-1Dibromochloromethane       5       U         96-12-81,2-Dibromo-3-chloropropane       5       U         95-50-11,2-Dichlorobenzene       5       U         541-73-11,3-Dichlorobenzene       5       U         106-46-71,4-Dichlorobenzene       5       U         75-71-8Dichlorodifluoromethane       3       J         75-34-31,1-Dichloroethane       5       U         107-06-21,2-Dichloroethane       5       U         75-35-41,1-Dichloroethene       5       U         156-59-2cis-1,2-Dichloroethene       2       J         156-60-5trans-1,2-Dichloroethene       5       U         78-87-51,2-Dichloropropane       5       U         10061-01-5cis-1,3-Dichloropropene       5       U         100-41-4Ethylbenzene       5       U         591-78-6	67-66-3	Chloroform			U	
106-93-41,2-Dibromethane       5       U         124-48-1Dibromochloromethane       5       U         96-12-81,2-Dibromo-3-chloropropane       5       U         95-50-11,2-Dichlorobenzene       5       U         541-73-11,3-Dichlorobenzene       5       U         106-46-71,4-Dichlorobenzene       5       U         75-71-8Dichlorodifluoromethane       3       J         75-34-31,1-Dichloroethane       5       U         107-06-21,2-Dichloroethane       5       U         75-35-41,1-Dichloroethene       5       U         156-69-2cis-1,2-Dichloroethene       2       J         156-60-5trans-1,2-Dichloroethene       5       U         78-87-51,2-Dichloropropane       5       U         10061-01-5cis-1,3-Dichloropropene       5       U         100-41-4Ethylbenzene       5       U         591-78-62-Hexanone       27       U         98-82-8Methyl acetate       5       U         108-87-2	74-87-3	Chloromethane			U	
124-48-1Dibromochloromethane       5       U         96-12-81,2-Dibromo-3-chloropropane       5       U         95-50-11,2-Dichlorobenzene       5       U         541-73-11,3-Dichlorobenzene       5       U         106-46-71,4-Dichlorobenzene       5       U         75-71-8Dichlorodifluoromethane       3       J         75-34-31,1-Dichloroethane       5       U         107-06-21,2-Dichloroethane       5       U         75-35-41,1-Dichloroethene       5       U         156-59-2cis-1,2-Dichloroethene       5       U         78-87-51,2-Dichloroethene       5       U         10061-01-5cis-1,3-Dichloropropane       5       U         10061-02-6trans-1,3-Dichloropropene       5       U         100-41-4Ethylbenzene       5       U         591-78-62-Hexanone       27       U         98-82-8Methyl acetate       5       U         108-87-2Methylcyclohexane       5       U	110-82-7	Cyclohexane		5	บ	
96-12-81,2-Dibromo-3-chloropropane       5       U         95-50-11,2-Dichlorobenzene       5       U         541-73-11,3-Dichlorobenzene       5       U         106-46-71,4-Dichlorobenzene       5       U         75-71-8Dichlorodifluoromethane       3       J         75-34-31,1-Dichloroethane       5       U         107-06-21,2-Dichloroethane       5       U         75-35-41,1-Dichloroethene       5       U         156-59-2cis-1,2-Dichloroethene       5       U         78-87-51,2-Dichloroethene       5       U         10061-01-5cis-1,3-Dichloropropene       5       U         10061-02-6trans-1,3-Dichloropropene       5       U         100-41-4Ethylbenzene       5       U         591-78-62-Hexanone       27       U         98-82-8Methyl acetate       5       U         108-87-2	106-93-4	1,2-Dibromoethane		5	U	
95-50-11,2-Dichlorobenzene       5       U         541-73-11,3-Dichlorobenzene       5       U         106-46-71,4-Dichlorobenzene       5       U         75-71-8Dichlorodifluoromethane       3       J         75-34-31,1-Dichloroethane       5       U         107-06-21,2-Dichloroethane       5       U         75-35-41,1-Dichloroethene       5       U         156-59-2cis-1,2-Dichloroethene       2       J         156-60-5trans-1,2-Dichloroethene       5       U         78-87-51,2-Dichloropropane       5       U         10061-01-5cis-1,3-Dichloropropene       5       U         100-41-4Ethylbenzene       5       U         591-78-62-Hexanone       27       U         98-82-8Isopropylbenzene       5       U         79-20-9Methyl acetate       5       U         108-87-2	124-48-1	Dibromochloromethane			U	
541-73-11,3-Dichlorobenzene       5       U         106-46-71,4-Dichlorobenzene       5       U         75-71-8Dichlorodifluoromethane       3       J         75-34-31,1-Dichloroethane       5       U         107-06-21,2-Dichloroethane       5       U         75-35-41,1-Dichloroethene       5       U         156-59-2cis-1,2-Dichloroethene       2       J         156-60-5trans-1,2-Dichloroethene       5       U         78-87-51,2-Dichloropropane       5       U         10061-01-5cis-1,3-Dichloropropene       5       U         10061-02-6trans-1,3-Dichloropropene       5       U         100-41-4Ethylbenzene       5       U         591-78-62-Hexanone       27       U         98-82-8Isopropylbenzene       5       U         79-20-9Methyl acetate       5       U         108-87-2	96-12-8	1,2-Dibromo-3-chloropropane			U	
106-46-71,4-Dichlorobenzene       5       U         75-71-8Dichlorodifluoromethane       3       J         75-34-31,1-Dichloroethane       5       U         107-06-21,2-Dichloroethane       5       U         75-35-41,1-Dichloroethene       5       U         156-59-2cis-1,2-Dichloroethene       2       J         156-60-5trans-1,2-Dichloroethene       5       U         78-87-51,2-Dichloropropene       5       U         10061-01-5cis-1,3-Dichloropropene       5       U         10061-02-6trans-1,3-Dichloropropene       5       U         100-41-4Ethylbenzene       5       U         591-78-62-Hexanone       27       U         98-82-8Isopropylbenzene       5       U         79-20-9Methyl acetate       5       U         108-87-2Methylcyclohexane       5       U	95-50-1	1,2-Dichlorobenzene			U	
75-71-8Dichlorodifluoromethane       3       J         75-34-31,1-Dichloroethane       5       U         107-06-21,2-Dichloroethane       5       U         75-35-41,1-Dichloroethene       5       U         156-59-2cis-1,2-Dichloroethene       2       J         156-60-5trans-1,2-Dichloroethene       5       U         78-87-51,2-Dichloropropane       5       U         10061-01-5cis-1,3-Dichloropropene       5       U         10061-02-6trans-1,3-Dichloropropene       5       U         100-41-4Ethylbenzene       5       U         591-78-62-Hexanone       27       U         98-82-8Methyl acetate       5       U         108-87-2Methylcyclohexane       5       U	541-73-1	1,3-Dichlorobenzene			Įυ	
75-34-31,1-Dichloroethane       5       U         107-06-21,2-Dichloroethane       5       U         75-35-41,1-Dichloroethene       5       U         156-59-2cis-1,2-Dichloroethene       2       J         156-60-5trans-1,2-Dichloroethene       5       U         78-87-51,2-Dichloropropane       5       U         10061-01-5cis-1,3-Dichloropropene       5       U         10061-02-6trans-1,3-Dichloropropene       5       U         100-41-4Ethylbenzene       5       U         591-78-62-Hexanone       27       U         98-82-8Isopropylbenzene       5       U         79-20-9Methyl acetate       5       U         108-87-2Methylcyclohexane       5       U	106-46-7	1,4-Dichlorobenzene			Įυ	
107-06-21,2-Dichloroethane       5       U         75-35-41,1-Dichloroethene       5       U         156-59-2cis-1,2-Dichloroethene       2       J         156-60-5trans-1,2-Dichloropropane       5       U         78-87-51,2-Dichloropropane       5       U         10061-01-5cis-1,3-Dichloropropene       5       U         10061-02-6trans-1,3-Dichloropropene       5       U         100-41-4Ethylbenzene       5       U         591-78-62-Hexanone       27       U         98-82-8Isopropylbenzene       5       U         79-20-9Methyl acetate       5       U         108-87-2Methylcyclohexane       5       U					J	
75-35-41,1-Dichloroethene       5       U         156-59-2cis-1,2-Dichloroethene       2       J         156-60-5trans-1,2-Dichloroptopene       5       U         78-87-51,2-Dichloroptopene       5       U         10061-01-5cis-1,3-Dichloroptopene       5       U         10061-02-6trans-1,3-Dichloroptopene       5       U         100-41-4Ethylbenzene       5       U         591-78-62-Hexanone       27       U         98-82-8Isopropylbenzene       5       U         79-20-9Methyl acetate       5       U         108-87-2Methylcyclohexane       5       U	75-34-3	1,1-Dichloroethane			U	
156-59-2cis-1,2-Dichloroethene       2       J         156-60-5trans-1,2-Dichloroethene       5       U         78-87-51,2-Dichloropropane       5       U         10061-01-5cis-1,3-Dichloropropene       5       U         10061-02-6trans-1,3-Dichloropropene       5       U         100-41-4Ethylbenzene       5       U         591-78-62-Hexanone       27       U         98-82-8Isopropylbenzene       5       U         79-20-9Methyl acetate       5       U         108-87-2Methylcyclohexane       5       U	107-06-2	1,2-Dichloroethane			U	
156-60-5trans-1,2-Dichloroethene       5       U         78-87-51,2-Dichloropropane       5       U         10061-01-5cis-1,3-Dichloropropene       5       U         10061-02-6trans-1,3-Dichloropropene       5       U         100-41-4Ethylbenzene       5       U         591-78-62-Hexanone       27       U         98-82-8Isopropylbenzene       5       U         79-20-9Methyl acetate       5       U         108-87-2Methylcyclohexane       5       U					Ū	
78-87-51,2-Dichloropropane       5       U         10061-01-5cis-1,3-Dichloropropene       5       U         10061-02-6trans-1,3-Dichloropropene       5       U         100-41-4Ethylbenzene       5       U         591-78-62-Hexanone       27       U         98-82-8Isopropylbenzene       5       U         79-20-9Methyl acetate       5       U         108-87-2Methylcyclohexane       5       U	156-59-2	cis-1,2-Dichloroethene			J	
10061-01-5cis-1,3-Dichloropropene       5       U         10061-02-6trans-1,3-Dichloropropene       5       U         100-41-4Ethylbenzene       5       U         591-78-62-Hexanone       27       U         98-82-8Isopropylbenzene       5       U         79-20-9Methyl acetate       5       U         108-87-2Methylcyclohexane       5       U	156-60-5	trans-1,2-Dichloroethene			ប	
10061-02-6trans-1,3-Dichloropropene       5       U         100-41-4Ethylbenzene       5       U         591-78-62-Hexanone       27       U         98-82-8Isopropylbenzene       5       U         79-20-9Methyl acetate       5       U         108-87-2Methylcyclohexane       5       U	78-87-5	1,2-Dichloropropane		5	U	
100-41-4Ethylbenzene       5       U         591-78-62-Hexanone       27       U         98-82-8Isopropylbenzene       5       U         79-20-9Methyl acetate       5       U         108-87-2Methylcyclohexane       5       U	10061-01-5	cis-1,3-Dichloropropene		5	U	
591-78-62-Hexanone       27       U         98-82-8Isopropylbenzene       5       U         79-20-9Methyl acetate       5       U         108-87-2Methylcyclohexane       5       U				5	U	
98-82-8Isopropylbenzene       5       U         79-20-9Methyl acetate       5       U         108-87-2Methylcyclohexane       5       U	100-41-4	Ethylbenzene		5	U	
79-20-9Methyl acetate 5 U 108-87-2Methylcyclohexane 5 U	591-78-6	2-Hexanone		27	U	
79-20-9Methyl acetate 5 U 108-87-2Methylcyclohexane 5 U	98-82-8	Isopropylbenzene		5	U	
108-87-2Methylcyclohexane 5 U				5	U	
				5	U	
				9	В	

# METHOD 8260 - TCL VOLATILE ORGANICS ANALYSIS DATA SHEET

Client No.

	•		ALBW10036
Lab Name	: <u>STL Buffalo</u> Contract: <u>74453</u>	38	
Lab Code	: RECNY Case No.: SAS No.:	SDG No.:	
Matrix:	(soil/water) <u>SOIL</u>	Lab Sample ID:	A6B13401
Sample wi	t/vol:5.18 (g/mL) G	Lab File ID:	F2534.RR
Level:	(low/med) <u>LOW</u>	Date Samp/Recv:	09/27/2006 09/28/2006
Moistu	re: not dec. 9 Heated Purge: Y	Date Analyzed:	09/29/2006
3C Colum	n: <u>DB-624</u> ID: <u>0.18</u> (mm)	Dilution Factor:	1.00
Soil Ext	ract Volume: (uL)	Soil Aliquot Vol	ume: (uL)
		CONCENTRATION UNITS:	
•	CAS NO. COMPOUND	(ug/L or ug/Kg)	
	108-10-14-Methyl-2-pentanone 1634-04-4Methyl-t-Butyl Ether (MTBE) 100-42-5Styrene 79-34-51,1,2,2-Tetrachloroethane 127-18-4Tetrachloroethene 108-88-3Toluene 120-82-11,2,4-Trichlorobenzene 71-55-61,1,1-Trichloroethane 79-00-51,1,2-Trichloroethane 76-13-11,1,2-Trichloroethane 76-13-1Trichlorofluoromethane 79-01-6Trichloroethene 108-05-4Vinyl acetate 75-01-4Vinyl chloride 1330-20-7Total Xylenes		27 U U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5 U 5

# METHOD 8260 - TCL VOLATILE ORGANICS TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

	•			ALBW10036	
Lab Name:	: STL Buffalo	Contract: 744538	· · · · · · · · · · · · · · · · · · ·	<del></del> ,	<u> </u>
Lab Code:	: <u>RECNY</u> Case No	.: SAS No.:	SDG No.:		
Matrix: (	(soil/water) <u>SOIL</u>		Lab Sample ID:	A6B13401	
Sample wt	:/vol: <u>5.18</u>	<u> </u>	Lab File ID:	F2534.RR	
Level:	(low/med) <u>LOW</u>		Date Samp/Recv:	09/27/2006	09/28/2006
% Moistur	re: not dec. <u>9.4</u>		Date Analyzed:	09/29/2006	
GC Column	n: <u>DB-624</u> ID	: <u>0.18</u> (mm)	Dilution Factor:	1.00	
Soil Extr	ract Volume:	(uL)	Soil Aliquot Vol	ume:	(uL)
Number TI	ICs found:0		CONCENTRATION UNIT (ug/L or ug/Kg)		
	CAS NO.	Compound Name	RT Est.	Conc. Q	

# METHOD 8260 - TCL VOLATILE ORGANICS ANALYSIS DATA SHEET

Client No.

1	ALBW10037
L	

Lab Name: STL Buffalo Contract: 744538

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

Matrix: (soil/water) SOIL Lab Sample ID: A6B13402

Sample wt/vol:  $\underline{5.24}$  (g/mL)  $\underline{G}$  Lab File ID:  $\underline{F2535.RR}$ 

Level: (low/med) <u>LOW</u> Date Samp/Recv: <u>09/27/2006</u> <u>09/28/2006</u>

% Moisture: not dec. 10 Heated Purge: Y Date Analyzed: 09/29/2006

GC Column: <u>DB-624</u> ID: <u>0.18</u> (mm) Dilution Factor: <u>1.00</u>

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

# CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/k	(g)	UG/KG	Q
67-64-1			-	26	ט
71-43-2	Benzene			5 "	ט
75-27-4	Bromodichloromethane		٠.	5	ן ט[
75-25-2	Bromoform			5	ט
74-83-9	Bromomethane :			5	ן ט
	2-Butanone			26	ט
	Carbon Disulfide			5	<b>U</b>
56-23-5	Carbon Tetrachloride			5	ט
	Chlorobenzene			5	ט
75-00-3	Chloroethane			5	ט
	Chloroform			5	บ
74-87-3	Chloromethane			5	ט
110-82-7	Cyclohexane			5	ט
	1,2-Dibromoethane			5	ט
	Dibromochloromethane			5	ָ <b>ט</b>
	1,2-Dibromo-3-chloropropane			5	U
	1,2-Dichlorobenzene			5	ע
	1,3-Dichlorobenzene			5	ע
	1,4-Dichlorobenzene			5	U
1	Dichlorodifluoromethane			3	J
75-34-3	1,1-Dichloroethane			5	U
107-06-2	1,2-Dichloroethane			5	ט
75-35-4	1,1-Dichloroethene			5 .	ע
	cis-1,2-Dichloroethene			5	ן ט
156-60-5	trans-1,2-Dichloroethene			5	ע
	1,2-Dichloropropane			5	ט
	cis-1,3-Dichloropropene			5	<b>ט</b>
	trans-1,3-Dichloropropene			5	<b>ט</b>
	Ethylbenzene			5	ט
591-78-6	2-Hexanone			26	U
98-82-8	Isopropylbenzene			5	U
	Methyl acetate			5	[ט
	Methylcyclohexane			5	ט
75-09-2	Methylene chloride			9	В
					<u> </u>

16

# METHOD 8260 - TCL VOLATILE ORGANICS ANALYSIS DATA SHEET

Client No.

e STT. Buffalo Contract. 74452		ALBW10037	
bill bullate Circlact: 74455			······
e: <u>RECNY</u> Case No.: SAS No.:	SDG No.:	_	•
(soil/water) <u>SOIL</u>	Lab Sample ID:	A6B13402	
vt/vol: <u>5.24</u> (g/mL) <u>G</u>	Lab File ID:	F2535.RR	<u>.</u>
(low/med) <u>LOW</u>	Date Samp/Recv:	09/27/2006 0	9/28/2006
ure: not dec. <u>10</u> Heated Purge: <u>Y</u>	Date Analyzed:	09/29/2006	
nn: <u>DB-624</u> ID: <u>0.18</u> (mm)	Dilution Factor	:1.00	
cract Volume: (uL)	Soil Aliquot Vo	lume:	(uL)
CAS NO. COMPOUND			
100-42-5Styrene 79-34-51,1,2,2-Tetrachloroethane 127-18-4Tetrachloroethene 108-88-3Toluene 120-82-11,2,4-Trichloroethane 71-55-61,1,1-Trichloroethane 79-00-51,1,2-Trichloroethane		26 U U U U U U U U U U U U U U U U U U U	
ב נו	## RECNY   Case No.: SAS No.: (soil/water)   SOIL	Lab Sample ID:   t/vol:   5.24 (g/mL) G	### STL Buffalo   Contract: 744538

1330-20-7----Total Xylenes

# METHOD 8260 - TCL VOLATILE ORGANICS TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

Ts "	CAS NO.	Compound Name	RT	Est. Conc.	Q P	7
Number T	ICs found:0		CONCENIRAT (ug/L or	ION UNITS: ug/Kg) <u>UG/K</u>	G.	•
Soil Ext	ract Volume:	(uL)	Soil Alie	quot Volume: _	· .	_ (uL)
GC Column	n: <u>DB-624</u> ID:	: <u>0.18</u> (mm)	Dilution	Factor:1	<u>.00</u>	
% Moistu	re: not dec. <u>9.6</u>		Date Ana	lyzed: <u>09/29</u>	<u>/2006</u>	
Level:	(low/med) <u>LOW</u>		Date Sam	p/Recv: <u>09/27</u>	/2006	09/28/2006
Sample w	t/vol: <u>5.24</u>	<u>4</u> (g/mL) <u>G</u>	Lab File	ID: <u>F2535</u>	.RR	
Matrix:	(soil/water) <u>SOIL</u>		Lab Samp	le ID: <u>A6B13</u>	402	-
Lab Code	: <u>RECNY</u> Case No.	.: SAS No.:	SDG No.:			
Lab Name	: STL Buffalo	Contract: 744538		ALBW10	03:7	

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: <u>SENECA AD</u>

Task: Seneca Army Depot Ash Landfill Biowall Monitoring

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

SIL Buffalo

rrojeck ramager

10/06/2006

#### NON-CONFORMANCE SUMMARY

Job#: A06-B246

STL Project#: NY5A9493 Site Name: SENECA AD

# 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-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.

							Ž	Page 1 of 1			
SEVERN CTT	ANALYSIE	CTT ANALYSIS REQUEST AND CHAIN OF CUS	AIN OF CUSTODY	TODY RECORD		STI 101	STL Buffalo 10 Hazelwood Drive, Suite 106	, Suite 106	72 28 28 20 20	28-01-06-	50
TRENT OIL	Į.	eTI Buffolo				A A	Amherst, NY 14228 Ph: 716-691-2600			1 Inknown	(g)
		Dullaio				Fax	Fax: 716-691-7991	-			
PROJECT & CLIENT INFORMATION	NFORMATIO	Ż	Project State			We	Website: www.stl-inc.com	a.com		Lab Disposal	osaí
PROJECT REFERENCENAME Ash Landili Remedial Action		PROJECT NO. 744538-02100	È	#duran	Sample Information		REQUIRED ANALYSES	4LYSES	PAGE	-	OF 1
STL (LAB) PROJECT MANAGER Tony Bogolin		P.O. NUMBER 744538-30001-00	CONTRACT/Quote NO. 744538-30001-00	(			<u>'</u> 5	outà.	Final Report Catagory B EOD 30 c	Inal Report Type (Circle at least one): Jategory B DD 30 calendar davs	least one): ASP2000
CLENT (SITE) PM Jacqueline Travers/Chunhua Liu	Liu	CLIENT PHONE (817-449-1567(C. Liu)	CLIENT FAX 817-948-8777	31 37c		muisaah	d 8270C d 6010E		TAT/ DATE QAP/Quote	TAT/ DATE DUE 33 calendar days	ar days Per
CLIENT NAME Parsons		ct.ient EMail. chunhua.ilu@parsons.com		IMAS		- 80108 Mus, Po	- Metho criteM - crite Action	eacuvic y, PCB.	FAX TAT/DAT	EAFELLIEU NEPONI (GINS GIN) FAX EMAIL POST ON TAT/DATE DUE	r Other
CLIENT ADDRESS 150 Federal Street, Boston, MA 02110	MA 02110			ORY		udsou	VOCs	iidetin			
Samplers Signature & initials:				тая	34A.L	3 6	8 67 F B	61 6	SUBMIT	NUMBER OF COOLERS SUBMITTED PER SHIPMENT:	Ë
SAMPLED ON		SAMPLE IDENTIFICATION	NOIL	VBC		XXXII	NIMBER OF CONTAINERS SUBMITTED	S CAMPATTER		100	DENTABLE
		AN SHOP	3		4					neinh ea	1 Dun etraiabt eemala ooglaafa
9/28/2006 800	JUALBYHOUSE	- 1		Grab	S	×	×		ortiyo Mitho	ut dillution) f	(without dilution) for every sample.
Last sample	1 E	46FM 10000				_			2. Use	CLP OLMC	2. Use CLP OLM03,2 TCL list for
									VCCs 3. Each	VOCs and SVOCs. 3. Each VOC samp	VOCs and SVOCs. 3. Each VOC sample includes 2
			!						encore	encores and 1 jar.	
	_				1	<del> </del>					
									Pres	Preservative	
									82		
RELIGIOSHED WILLIAM	<b>登</b>	TIME TIME	RELINQUISH	ED BY: (BIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)	HED BY:	DATE	TIME
RECEIVED BY: (SIGNATURE)		7 (29/04 053C)	RECEIVED BY: (SIGNATURE)	ATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)	BY:	DATE	TIME
					LABORATORY USE ONLY						
RECEIVED FOR LABORATORY BY: (SIGNATURE)		DATE TIME	CUSTODY INTACT	CUST •	L NO.	LABORATORY REMARKS:	ЛКY				
			0 2						_		٠

U

U

U

U

U

U

U

U

U

U

U

U

В

6

6

6

6

6

6

6

6

б

6

13

33

# METHOD 8260 - TCL VOLATILE ORGANICS ANALYSIS DATA SHEET

Client No.

Tab Name CIII Disffelo Contrar to 744520		ALFMLO	000	
Lab Name: STL Buffalo Contract: 744538	<del></del>			
Lab Code: RECNY Case No.: SAS No.:	SDG No.:			
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID:	A6B2460	1	
Sample wt/vol: $5.00$ (g/mL) G	Lab File ID:	F2606.R	R	
Level: (low/med) <u>LOW</u>	Date Samp/Recv	: 09/28/2	006 <u>09/</u> 2	29/2006
% Moisture: not dec. <u>23</u> Heated Purge: <u>Y</u>	Date Analyzed:	10/03/20	006	
GC Column: <u>DB-624</u> ID: <u>0.53</u> (mm)	Dilution Facto	r: <u>1.0</u> 0	<u> </u>	÷,
Soil Extract Volume: (uL)	Soil Aliquot V	olume:	(1	ىل <i>د</i> )
	ENIRATION UNIT g/L or ug/kg)		Q	
67-64-1	. :	6636666666666	מממממממממממממ	
541-73-11,3-Dichlorobenzene 106-46-71,4-Dichlorobenzene 75-71-8Dichlorodifluoromethane		6 6	U U	
75-34-31,1-Dichloroethane	·	6	ט	-

107-06-2----1,2-Dichloroethane 75-35-4-----1,1-Dichloroethene

78-87-5----1,2-Dichloropropane

591-78-6----2-Hexanone

98-82-8----Isopropylbenzene

108-87-2----Methylcyclohexane

75-09-2----Methylene chloride

79-20-9-----Methyl acetate

156-59-2----cis-1,2-Dichloroethene

156-60-5----trans-1,2-Dichloroethene

10061-01-5---cis-1,3-Dichloropropene

10061-02-6----trans-1,3-Dichloropropene\_ 100-41-4-----Ethylbenzene\_

# METHOD 8260 - TCL VOLATILE ORGANICS ANALYSIS DATA SHEET

Client No.

Call Manual COTT D 55c.7.	ALFM10000
Lab Name: SIL Buffalo Contract: 744	4538
Lab Code: RECNY Case No.: SAS No.: _	SDG No.:
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: A6B24601
Sample wt/vol: $\underline{5.00}$ (g/mL) $\underline{G}$	Lab File ID: <u>F2606.RR</u>
Level: (low/med) <u>LOW</u>	Date Samp/Recv: 09/28/2006 09/29/2006
Moisture: not dec. <u>23</u> Heated Purge: Y	Date Analyzed: <u>10/03/2006</u>
C Column: <u>DB-624</u> ID: <u>0.53</u> (mm)	Dilution Factor: 1.00
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u> Q
79-34-51,1,2,2-Tetrachloroethane 127-18-4Tetrachloroethene 108-88-3Toluene 120-82-11,2,4-Trichlorobenzene 71-55-61,1,1-Trichloroethane 79-00-51,1,2-Trichloroethane 76-13-11,1,2-Trichloro-1,2,2-tri 75-69-4Trichloroethane 79-01-6Trichloroethene 108-05-4Vinyl acetate 75-01-4Vinyl chloride	6 U 6 U 6 U 6 U 6 U 6 U 6 U 6 U 6 U 6 U
1330-20-7Total Xylenes	20 U

# METHOD 8260 - TCL VOLATILE ORGANICS TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

			•	ALFM100	000	
Lab Name	: SIL Buttalo	Contract: <u>744538</u>	<u></u>	<u> </u>		
Lab Code	: <u>RECNY</u> Case No	.: SAS No.:	SDG No.: _	·	*	
Matrix:	(soil/water) <u>SOIL</u>		Lab Sampl	le ID: <u>A6B246</u>	501	
Sample w	t/vol:	0 (g/mL) <u>G</u>	Lab File	ID: <u>F2606</u> .	.RR	_
Level:	(low/med) <u>LOW</u>		Date Samp	o/Recv: <u>09/28/</u>	<u> 2006 09</u>	9/29/200
% Moistw	re: not dec. <u>23.4</u>		Date Anal	lyzed: <u>10/03/</u>	<u>′2006</u>	
GC Column	n: <u>DB-624</u> ID	: <u>0.53</u> (mm)	Dilution	Factor:1.	00	
Soil Exti	ract Volume:	(uL)	Soil Aliq	quot Volume: _		(uL)
Number T	ICs found: <u>1</u>		CONCENTRATI (ug/L or u	ON UNITS: ng/Kg) <u>UG/KG</u>	<del>}</del>	
	CAS NO.	Compound Name	RT	Est. Conc.	Q	
2.5						

CAS NO.	Compound Name	RT	Est. Conc.	Q
-1. 110-54-3	HEXANE	2.75	8	NU

# METHOD 8270 - TCL SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Client No.

ALFM10000	

Lab Name: STL Buffalo Contract: 744538

Lab Code: REXCNY 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 UNI (uq/L or ug/Kg)	IS: <u>UG/KG</u>	Q
		420	U
83-32-9Acenaphthene		430	TT
208-96-8Acenaphthylene		430 430	11
98-86-2Acetophenone		430	υ
120-12-7Anthracene		430 430	TI U
1912-24-9Atrazine	·	430 430	บ
100-52-7Benzaldehyde			ט
56-55-3Benzo (a) anthracene		430	Ü
205-99-2Benzo (b) fluoranthene		430	_
207-08-9Benzo(k) fluoranthene		430	U
191-24-2Benzo(ghi)perylene		430	U U
50-32-8Benzo (a) pyrene	·	430	ט.
92-52-4Biphenyl		430	
111-91-1Bis(2-chloroethoxy) met		430	ប
111-44-4Bis(2-chloroethyl) ethe		430	U
108-60-12,2'-Oxybis (1-Chloropro		430	U
117-81-7Bis(2-ethylhexyl) phtha		430	υ
101-55-34-Bromophenyl phenyl et	ther	430	U
85-68-7Butyl benzyl phthalate		430	U
105-60-2Caprolactam		430	ט
106-47-84-Chloroaniline		430	U
59-50-74-Chloro-3-methylphenol		430	U
91-58-72-Chloronaphthalene	· · · · · · · · · · · · · · · · · · ·	430	ש
95-57-82-Chlorophenol		430	ַ
7005-72-34-Chlorophenyl phenyl e	ether	430	U
86-74-8Carbazole		430	U
218-01-9Chrysene		430	ប
53-70-3Dibenzo(a,h)anthracene_		430	U
132-64-9Dibenzofuran		430	U
84-74-2Di-n-butyl phthalate		430	U
91-94-13,3'-Dichlorobenzidine		2100	U
120-83-22,4-Dichlorophenol		430	U
84-66-2Diethyl phthalate		430	U

# METHOD 8270 - TCL SEMI-VOLATTLE ORGANICS ANALYSIS DATA SHEET

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: <u>X12161.RR</u>

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:

		CONCENTRALION	_	_	
CAS NO.	COMPOUND	(ug/L or ug/K	g) <u>UG/KG</u>	Q	
105-67-9	2,4-Dimethylphenol		430	U	
131-11-3	Dimethyl phthalate		430	-  ับ	
	4,6-Dinitro-2-methylphenol		2100	U	
51-28-5	2,4-Dinitrophenol		2100	U	
	2,4-Dinitrotoluene		430	ប	
606-20-2	2,6-Dinitrotoluene		430	U	•
	Di-n-octyl phthalate		430	U	
	Fluoranthene		430	ប	
86-73-7	Fluorene		430	[ប	
118-74-1	Hexachlorobenzene		430	ប	
87-68-3	Hexachlorobutadiene		430	U	
77-47-4	Hexachlorocyclopentadiene		430	U	
	Hexachloroethane		430	U	
193-39-5	Indeno(1,2,3-cd)pyrene		430	ប	
	Isophorone		430	U	
	2-Methylnaphthalene		430	ט	
95-48-7	2-Methylphenol		430	ש	
106-44-5	4-Methylphenol		14	J	
91-20-3	Naphthalene		430	ַ ט	
88-74-4	2-Nitroaniline		2100	υ	
99-09-2	3-Nitroaniline	· · · · · · · · · · · · · · · · · · ·	2100	ט	
100-01-6	4-Nitroaniline		2100	υ	
98-95-3	Nitrobenzene		430	U	
88-75-5	2-Nitrophenol		430	υ	
100-02-7	4-Nitrophenol		2100	ש	
86-30-6	N-nitrosodiphenylamine	H TANK THEAT	430	ָ <b>ט</b>	147
	N-Nitroso-Di-n-propylamine		430	U	
	Pentachlorophenol		2100	Ū	
	Phenanthrene		430	U	-
108-95-2			430	ប	
129-00-0			430	ប	
	2,4,5-Trichlorophenol		1000	ប	
	· · · · · · · · · · · · · · · · · · ·		·		

# 14\694

# METHOD 8270 - TCL SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Client No.

		ALFM10000
Lab Name: STL Buffalo Contract: 744538	· .	<u>L</u>
Lab Code: RECNY Case No.: SAS No.:	SDG No.:	
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID:	A6B24601
Sample wt/vol: 30.23 (g/mL) G	Lab File ID:	X12161.RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	09/28/2006 09/29/2006
Moisture: <u>23</u> 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
SPC Cleanup: (Y/N) N pH:		
	NCENIRATION UNITS: ug/L or ug/Kg)	UG/KG Q
100 0C 2 2 4 C Thisblanch		420

# 15\694

# METHOD 8270 - TCL SEMI-VOLATILE ORGANICS TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

	ALFM10000	
ı		

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) <u>LOW</u>

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)

Number TICs found: 9

Date Analyzed: 10/04/2006

Injection Volume: \_\_\_\_1.00 (uL)

Dilution Factor: \_\_\_\_1.00

GPC Cleanup: (Y/N) N pH:

CONCENIRATION UNITS:

(uq/L or ug/Kg) UG/KG

CAS NO.		RT	Est. Cenc.	Q-
1.	UNKNOWN	6.40	210	J
2.	UNKNOWN	15.32	240	J
3. 112-95-8	EICOSANE	15.88	350	JN
4.	UNKNOWN ALKANE	16.25	240	J
5 <b>.</b>	UNKNOWN ALKANE	16.38	400	J
6.	UNKNOWN ALKANE	16.79	280	J
7. 630-04-6	HENTRIACONTANE	16.94	530	JN
8.	UNKNOWN ALKANE	17.59	190	J
9 83-46-5	.BETA.SITOSTEROL	17.92	790	JN

# Parsons Inc.

# 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	М
7429-90-5	Aluminum	5620	<del> </del>	<del> </del>	₽
7440-36-0	Antimony	0.46	ט	Ī	P
7440-38-2	Arsenic	2.4	1		P
7440-39-3	Barium	29.0	1	1	P
7440-41-7	Beryllium	0.21	ļΒ		P
7440-43-9	Cadmium	0.08	В	I	P
7440-70-2	Calcium	8100	Ī	1	P
7440-47-3	Chromium	6.6	T	1	P
7440-48-4	Cobalt	2.7	1		P
7440-50-8	Copper	5.7	1	E	P
7439-89-6	Iron	7740	Ï	Ī	P
7439-92-1	Lead	6.0	Ī		P
7439-95-4	Magnesium	3180	Π		P
7439-96-5	Manganese	189	T	1	P
7440-02-0	Nickel	5.3	Ī		₽
7440-09-7	Potassium	415	Π		P
7782-49-2	Selenium	0.59	ש	1	P
7439-97-6	Mercury	0.016	В	1	CV
7440-22-4	Silver	0.08	U	<u> </u>	P
7440-23-5	Sodium	30.5	В		P
7440-28-0	Thallium	0.44	ប		P
7440-62-2	Vanadium	10.7		Ī	P
7440-66-6	Zinc	25.4		1	P

Color Before:	BROWN	Clarity Before:	CLOUDY	Texture:	TOPSOIL
Color After:	YELLOW	Clarity After:	CLDY/FI	Artifacts:	
Comments:					
<u>-</u>			•		

# Wet Chemistry Analysis

17\694

Client Sample No.

ALFM10000

Lab Name: STL Buffalo

Contract: <u>744538</u>

Lab Code: RECNY Case No.: \_

SAS No.: \_\_\_\_

SDG No.: \_\_\_\_

Matrix (soil/water): SOIL

Lab Sample ID: A6B24601

% Solids: <u>76.6</u>

Date Samp/Recv: 09/28/2006 09/29/2006

Parameter Name	Units of Measure	Result	С	Q	М	Method Number	Analyzed Date
Ash Content_Cyanide - Total_	% MG/KG	95.6 1.3	1 1			D-482-80 9012A	10/03/2006 10/03/2006

Comments	:					
				•		
	<del> </del>		, , , , , , , , , , , , , , , , , , , ,		 	
<del></del>	· <del></del>					
		 	·····	 		 

**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-B622

STL Project#: NY5A9521

Site Name: Parsons Seneca Army Depot (Parsons project 744538)

Task: SEDA Ash Landfill TCLP analysis

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

STL Buffalo

Project Man

10/19/2006

#### NON-CONFORMANCE SUMMARY

Job#: A06-B622

STL Project#: NY5A9521

Site 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.

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.

					;			Page 1 of 1	1 20 1	•		- ji
SEVERN CTT	ANALYSI	ANALYSIS REQUEST AND CHAIN OF C	AIN OF CUSTODY	USTODY RECORD			STL Buffalo 10 Hazelwo	STL Buffalo 10 Hazelwood Drive, Suite 106	l '	COC: 10-05-06-1	2 <del>6</del> -1	
TRENT O11		STL Buffalo					Amherst, NY 14228 Ph: 716-691-2600	Amherst, NY 14228 Ph: 716-691-2600	l	١	Unknown	
PROJECT & CLIENT INFORMATION	NFORMATIO	N.	Project State				rax: /ˈɪɒ-oɜา-/ˈɜɜา Website: www.stl-ir	rax: / to-os1-/ss1 Website: www.stl-inc.com	Ę		Lab Disposal	,
PROJECT REFERENCENAME Ash Landill Remedial Action		PROJECT NO. 744538-02100	Ϋ́	Sample Information	omation	_	Æ	REQUIRED ANALYSES	SES	PAGE	1 0 1	
STL (LAB) PROJECT MANAGER Tony Bogolin		P.O. NUMBER 744538-30001-00	CONTRACT/Oxiole NO. 74453B-30001-00	(			-	, see:		Final Report 7 Category B EDD 30 cel	Final Report Type (Circle at least one): Category B EDD 30 calendar days	ne): ASP2000
CLIENT (SITE) PM Jacqueline Travers/Chunhua Liu	1,10	CLIENT PHONE 617-449-1567(C. Liu)	CLIENT FAX 617-946-9777	11 3 To				d 6010l		TAT/ DATE D QAP/Quote	TAT/ DATE DUE <u>3 calendar days.</u> QAP/Quote	Per
CLIENT NAME Parsons		cuent ewait.		IMAS .		. 80108 99 , auno	bortlaM ortlaM -	- Metho	(jeue ez	FAX EMAIL TAT/ DATE DUE	FAX EMAIL POST Office TAT/DATE DUE	ret.
CLIENT ADDRESS 150 Federal Street, Boston, MA 02110	MA 02110			YAO.				7471A CLP - V			· 60	-
Samplers Signature & Initials.	ä			TAЯ	TYPE	1 1	] [	4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		SUBMITTED	SUBMITTED PER SHIPMENT:	
NO PERMIT				ВО		χΩ	8	8 8				
DATE TIME		SAMPLE IDENTIFICATION	NOIL	IV1		TIAM.	NUMBER OF	NUMBER OF CONTAINERS SUBMITTED	SUBMITTED	ļ <del></del> -	REMARKS	
10/5/2006 150	1500 AL BW10039	0039		Grab	S N			×	<u></u>	1. Run st	1. Run straight sample analysis	analysis
Last sample										2. Use Cl	2. Use CLP OLM03.2 TCL fist for	CL fist for
										VOCs an	VOCs and SVOCs.  3. Each VOC sample includes 2	cludes 2
										encores	encores and 1 jar.	
												<del></del>
					+	+	$\overline{+}$		_			
										-   -		
						1	$\prod$		+	Freservative	valive	
RELINGUISHED BY: (SIGNUTH	Made	DATE 10/05/4TIME 15:00 RELINQU	RELINQUISHED BY: (SIGNATURE)	(SIGNATURE)	-		DATE	TIME	RELINQUISHED BY: (SKONATURE)		DATE TIME	
RECEIVED BY: (SIGNATURE)		DATE/ TIME 10/6/06/05/00	RECEIVED BY: (SIGNATURE)	ATURE)			DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE TIME	
					Y USE ONLY							
RECEIVED FOR LABORATORY BY: (SIGNATURE)	ORY BY:	DATE TIME	CUSTODY INTACT YES NO	CUSTODY SEAL NO	<u>o</u>	LABORATC REMARKS:	LABORATORY REMARKS:					
						-						

7.000

Date: 10/19/2006 Time: 15:33:07

Parsons Seneca Army Depot (Parsons project 744538)
SEDA Ash Landfill TCLP analysis

9 Page:

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:

		<del></del>	Detection			Date/Time	
Damanatan	Result	<u>Flag</u>	Detection Limit	Units	Method	Analyzed	Analyst
Parameter SW8463 8260 - TCLP VOLATILES - STANDARD CRQL'	Resuct	<u>rtay</u>	Cimit	OIIICS	- He criod	Minetizon	71114474
	ND		0.050	MG/L	8260	10/11/2006 12:47	JMB
1,1-Dichloroethene	ND		0.050	MG/L	8260	10/11/2006 12:47	
1,2-Dichloroethane	ND		0.25	MG/L	8260	10/11/2006 12:47	
2-Butanone			0.050	MG/L	8260	10/11/2006 12:47	
Benzene	ND		0.050	MG/L	8260	10/11/2006 12:47	
Carbon Tetrachloride	ND		0.050	MG/L	8260	10/11/2006 12:47	
Chlorobenzene	ND		0.050	MG/L	8260	10/11/2006 12:47	
Chloroform	ND		0.050	MG/L	8260	10/11/2006 12:47	
Tetrachloroethene	ND			MG/L	8260	10/11/2006 12:47	
Trichloroethene	ND		0.050	· .		10/11/2006 12:47	
Vinyl chloride	ND		0.050	MG/L	8260	10/11/2000 12:4/	JIID
SW8463 8270 - TCLP BNA EXTRACTABLES							
1,4-Dichlorobenzene	ND		0.040	MG/L	8270	10/11/2006 17:06	
2,4,5-Trichlorophenol	ND		0.040	MG/L	8270	10/11/2006 17:06	
2,4,6-Trichlorophenol	ND		0.040	MG/L	8270	10/11/2006 17:06	
2,4-Dinitrotoluene	ND		0.040	MG/L	8270	10/11/2006 17:06	
2-Methylphenol	ND	•	0.040	MG/L	8270	10/11/2006 17:06	
3-Methylphenol	ND		0.040	MG/L	8270	10/11/2006 17:06	5 PM
4-Methylphenol	, ND		0.040	MG/L	8270	10/11/2006 17:06	S PM
Hexachlorobenzene	ND		0.040	MG/L	8270	10/11/2006 17:06	5 PM
Hexachlorobutadiene	ND		0.040	MG/L	8270	10/11/2006 17:06	5 PM
<b>Hexachloroethane</b>	ND		0.040	MG/L	8270	10/11/2006 17:06	5 PM
Nitrobenzene	ND		0.040	MG/L	8270	10/11/2006 17:06	5 PM
Pentachlorophenol	ND		0.20	MG/L	8270	10/11/2006 17:06	5 PM
Pyridine	ND		0.10	MG/L	8270	10/11/2006 17:06	S PM
SOIL-SW8463 8082 - PCBS			-				
Aroclor 1016	ND		21	ug/kg	8082	10/09/2006 00:37	7 AJ
Aroclor 1221	ND		21	UG/KG	8082	10/09/2006 00:37	
Aroclor 1221	ND		21	UG/KG	8082	10/09/2006 00:37	
Aroclor 1242	ND		21	UG/KG	8082	10/09/2006 00:37	
Aroclor 1248	ND		21	UG/KG	8082	10/09/2006 00:37	
Aroclor 1254	ND		21	UG/KG	8082	10/09/2006 00:3	
Aroctor 1234	ND		21	UG/KG	8082	10/09/2006 00:3	
SW8463 8081 - TCLP PESTICIDES (U.M. = MG/L)							
Chlordane	ND		0.00050	MG/∟	8081	10/11/2006 15:5	з тсн
Endrin	ND		0.00005	MG/L	8081	10/11/2006 15:5	
	, ND		0.00005	MG/L	8081	10/11/2006 15:5	
gamma-BHC (Lindane)	. ND		0.00005	MG/L	8081	10/11/2006 15:53	
Heptachlor	ND		0.00005	MG/L	8081	10/11/2006 15:5	
Heptachlor epoxide			0.00005	MG/L	8081	10/11/2006 15:5	
Methoxychlor	ND		0.0010	MG/L	8081	10/11/2006 15:5	
Toxaphene	ND		0.0010	no/ L	QU0 I	10, 11, 2000 1313.	- 1011
SW8463 8151 - TCLP HERBICIDES						40/40/2007 40 5	
2,4,5-TP (Silvex)	ND		0.0020	MG/L	8151	10/10/2006 18:0	
2,4-D	ND		0.0020	MG/L	8151	10/10/2006 18:0	5 тсн

Date: 10/19/2006 Time: 15:33:07

Parsons Seneca Army Depot (Parsons project 744538)
SEDA Ash Landfill TCLP analysis

Page:

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:

		Detection			Date/Time	-
Parameter	Result Flag	Limit	Units	Method	Analyzed	Analyst
TCLP Metals Analysis						
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
Wet Chemistry Analysis				-		
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

Tel: 716 691 2600 Fax: 716 691 7991 www.stl-inc.com

#### ANALYTICAL REPORT

Job#: A06-A513, A06-A783

STL Project#: NY5A9493

SDG#: 091406

Site Name: <u>SENECA AD</u>

Task: Seneca Army Depot Ash Landfill Biowall Monitoring

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

STL Buffalo

09/27/2006

#### NON-CONFORMANCE SUMMARY

Job#: A06-A513, A06-A783

STL Project#: NY5A9493

SDG#: 091406

Site Name: SENECA AD

#### 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-A513

Sample Cooler(s) were received at the following temperature(s); 5.8 °C All samples were received in good condition.

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.

.

ASP2000 (without dilution) for every sample. 2. Use CLP OLM03.2 TCL list for 3. Each VOC sample includes 2 1. Run straight sample analysis final Report Type (Circle at least one): OAP/Quote
EXPEDITED REPORT (circle cne)
FAX EMAIL POST Other
TAT/ DATE DUE COC 091306-1 REMARKS Lab Disposal TAT/ DATE DUE 6 business days NUMBER OF COOLERS SUBMITTED PER SHIPMENT: Unknown encores and 1 jar. 30 calendar days Preservative DATE RELINQUISHED BY: (SIGNATURE) RECEIVED BY: (SIGNATURE) NUMBER OF CONTAINERS SUBMITTED 10 Hazelwood Drive, Suite 106 Page 1 of 1 REQUIRED ANALYSES Website: www.stl-inc.com ک Amherst, NY 14228 Ph: 716-691-2600 Fax: 716-691-7991 STL Buffalo LABORATORY REMARKS: DATE DATE **NOCs - Welpod 8260B** XINTAN ഗ S S ഗ LABORATORY USE ONLY CUSTODY SEAL NO. FIELD FILTERED z Z Z Sample Information Grab Grab Grab Grab Grab TT ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD RELINQUISHED BY: (SIGNATURE) RECEIVED BY: (SIGNATURE) **GI 3J9MAS YAOTAROBA.** CUSTODY INTACT
YES
NO CONTRACT/Queta NO. 744538-30001-00 Project State CLIENT FAX 617-946-9777 SAMPLE IDENTIFICATION 8/07 CLIENT EMAIL Chunhua.liu@parsons.com A43/06 (522 0110 STL Buffalo CLIENT PHONE 617-449-1567(C. LIU) P.O. NUMBER 744538-30001-00 PROJECT NO. 744538-02100 114/6 1330 ALBW10016 1355 ALBW10018 1400 ALBW10019 PATE 1345|ALBW10017 1453 ALBW00007 2 O PROJECT & CLIENT INFORMATION CLIENT ADDRESS 150 Federal Street, Boston, MA 02110 acqueline Travers/Chunhua Liu Samplers Signature & Initials: TIME STL (LAB) PROJECT MANAGER SAMPLED ON PROJECT REFERENCEMAN Ash Lendfii Remedial Action 9/13/2006 9/13/2006 9/13/2006 9/13/2006 9/13/2006 KLENT (SITE) PM SEVERN ony Bogolin TRENT LENT NAME Parsons

S. 8° C

요 요 요 요 요 요 요 요 요 요 요 요 요 요 요 요 요 요 요
G G G SAMPLE TYPE SAMPLE TYPE SAMPLE TYPE SAMPLE TYPE
LABORATORY SAMPLE ID

TRENT

STL Buffalo

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

10 Hazelwood Drive, Suite 106 Fax: 716-691-7991

Amherst, NY 14228 Ph: 716-691-2600

REQUIRED ANALYSES

Sample Information

CONTRACT/Quete NO. 744538-30001-00

P.O. NUMBER 744538-30001-00

TL (LAB) PROJECT MANAGER PROJECT REFERENCENAME Nah Landfill Remedial Action

ony Bogolin

PROJECT NO. 744538-02100

PROJECT & CLIENT INFORMATION

CLIENT FAX 617-946-9777

CLIENT PHONE 617-449-1567(C. Llu)

acqueline Travers/Chunhua Liu

LIENT NAME Parsons

CLENT (SITE) PM

CLIENT EMAIL chunhua.liu@parsons.com

50 Federal Street, Boston, MA 02110

Sampiers Signature & Initials

Project State

ASP2000

inal Report Type (Circle at least one):

Lab Disposal

Unknown

COC: 20-09-06-

Page 1 of 1

Website: www.stf-inc.com

VOCs - Method 8260B

OI SIGNAS YROTAROBAL

QAP/Quote
EXPEDITED REPORT (citcle one)
FAX EMAIL POST Other
TAT/ DATE DUE

AT/ DATE DUE 3 calender days

EDD 30 celender days

NUMBER OF COOLERS SUBMITTED PER SHIPMENT: 1

œ

GERETLIFI GJER

XIRTAM

SAMPLE IDENTIFICATION

1304|ALBW10020

9/20/2006 9/20/2006

TIME

SAMPLED ON DATE

1225|ALBW10021

1239 ALBW10022 1250 ALBW10023

9/20/2006

9/20/2006

တ S ഗ

Z

Composite

Grab Grab

(without dilution) for every sample. 2. Use CLP OLM03.2 TCL list for 1. Run straight sample analysis NUMBER OF CONTAINERS SUBMITTED

REMARKS

VOCs and SVOCs.

S

Grab

Z Z

3. Each VOC sample includes 2 encores and 1 jar.

Preservative

TIME DATE

RELINQUISHED BY:

3

DATE

RELINQUISHED BY: (SIGNATURE)

1352

1 8 9/20/06

RECEIVED BY: (SIGNATURE)

DATE RECEIVED BY: (SIGNATURE) (SIGNATURE)

IME.

DATE

55/40

LABORATORY REMARKS:

LABORATORY USE ONLY

CUSTODY SEAL NO.

CUSTODY INTACT
YES
NO

CHŁO

5

*IECEIVED FOR LABORATORY BY* 

SIGNATURE) MOU

Jun Hale

202,0

# METHOD 8260 - TCL VOLATILE ORGANICS ANALYSIS DATA SHEET

Client No.

ALBW10016	

Lab Name: STL Buffalo Contract: 744538

Lab Code: RECNY Case No.: \_\_\_\_ SAS No.: \_\_\_ SDG No.: 091406

Matrix: (soil/water) SOIL Lab Sample ID: A6A51301

Sample wt/vol:  $\underline{5.78}$  (g/mL)  $\underline{G}$  Lab File ID:  $\underline{P3391.RR}$ 

Level: (low/med) <u>LOW</u> Date Samp/Recv: <u>09/13/2006</u> <u>09/14/2006</u>

% Moisture: not dec. <u>18</u> Heated Purge: Y Date Analyzed: <u>09/14/2006</u>

GC Column: <u>DB-624</u> ID: <u>0.53</u> (mm) Dilution Factor: <u>1.00</u>

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

# CONCENIRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg		Q
67-64-1 <i>P</i>	Acetone		26	U
71-43-2E			5	ا <del>ن</del>
	Bromodichloromethane		5	lΰ
75-25-2E			5	ΙŪ
74-83-9E			. 5	U
78-93-32		·	26	U
	Carbon Disulfide		5	ט
	Carbon Tetrachloride		5	U
108-90-7			5	ט
75-00-3	hloroethane		5	ט
67-66-3	hloroform		5	U
74-87-3	hloromethane		5	U
110-82-7	Cyclohexane		. 5	ט
	L,2-Dibromoethane		5	ប
	Dibromochloromethane		5	U
96-12-81	1,2-Dibromo-3-chloropropane		5	U
	l,2-Dichlorobenzene	•	.5	שׁ
541-73-11	L,3-Dichlorobenzene		5	ט
106-46-71	1,4-Dichlorobenzene		5	שׁ
75-71-8I	Dichlorodifluoromethane		· 5	U ·
75-34-31	1,1-Dichloroethane		5	שׁ
107-06-21	1,2-Dichloroethane		5	U
75-35-41	1,1-Dichloroethene		· 5	U
156-59-2	cis-1,2-Dichloroethene		. 5	U
156-60-5t	rans-1,2-Dichloroethene		5	U
78-87-51	1,2-Dichloropropane		5	U
10061-01-5	cis-1,3-Dichloropropene		5	U
	rans-1,3-Dichloropropene		5	ט
100-41-4E			5.	ប
591-78-62	2-Hexanone		26	שׁ
98-82-8J	[sopropy]benzene		<b>5</b> .	U
79-20-9N	Methyl acetate		5	U
108-87-2N	Methylcyclohexane		5	ט
75-09-2N	Methylene chloride		7	В

		ALBW10016	
Lab Name: STL Buffalo Contract: 744538	<del></del>		<u> </u>
Lab Code: <u>RECNY</u> Case No.: SAS No.:	SDG No.: 091406		
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID:	A6A51301	•
Sample wt/vol: <u>5.78</u> (g/mL) <u>G</u>	Lab File ID:	P3391.RR	·
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	09/13/2006	09/14/2006
% Moisture: not dec. <u>18</u> Heated Purge: Y	Date Analyzed:	09/14/2006	•
3C Column: <u>DB-624</u> ID: <u>0.53</u> (mm)	Dilution Factor:	1.00	
Soil Extract Volume: (uL)	Soil Aliquot Vol	ume:	(uL)
	CONCENTRATION UNITS: (ug/L or ug/Kg)		Q
108-10-14-Methyl-2-pentanone 1634-04-4Methyl-t-Butyl Ether (MTBE) 100-42-5Styrene 79-34-51,1,2,2-Tetrachloroethane 127-18-4Tetrachloroethene 108-88-3Toluene 120-82-11,2,4-Trichlorobenzene 71-55-61,1,1-Trichloroethane 79-00-51,1,2-Trichloroethane 79-01-6Trichlorofluoromethane 79-01-6Trichloroethene 108-05-4Vinyl acetate 75-01-4Vinyl chloride 1330-20-7Total Xylenes	moethane	26 U U U U U 16 U U	

Lab Name:	STL Buffalo	Contract: <u>744538</u>	·	ALBW100	016	
Lab Code:	<u>RECNY</u> Case No.	: SAS No.:	SDG No.: (	091406		
Matrix: (	soil/water) <u>SOIL</u>		Lab Sampl	le ID: <u>A6A513</u>	801	
Sample wt	/vol: <u>5.78</u>	] (g/m̃L) <u>G</u>	Lab File	ID: <u>P3391</u> .	.RR	
Level:	(low/med) <u>LOW</u>		Date Sam	o/Recv: <u>09/13/</u>	<u> 2006 0</u>	9/14/2006
% Moistur	re: not dec. <u>18.1</u>	·	Date Ana	lyzed: <u>09/14/</u>	<u> 2006</u>	
GC Column	n: <u>DB-624</u> ID:	0.53 (mm)	Dilution	Factor: 1.	.00	
Soil Extr	act Volume:	(uL)	Soil Alio	quot Volume:	·	(uL)
Number TI	Cs found: 0		CONCENTRATION (ug/L or 1	ION UNITS: ug/Kg) <u>UG/K</u>	<u>}</u>	·
	CAS NO.	Compound Name	RT	Est. Conc.	Q	

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

#### METHOD 8260 - TCL VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: STL Buffalo Contract: 74	ALBW10017 4538
Lab Code: RECNY Case No.: SAS No.:	SDG No.: <u>091406</u>
Matrix: (soil/water) SOIL	Lab Sample ID: A6A51302
Sample wt/vol: $\underline{5.36}$ (g/mL) $\underline{G}$	Iab File ID: P3392.RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv: 09/13/2006 09/14/2006
% Moisture: not dec21 Heated Purge: Y	Date Analyzed: 09/14/2006
GC Column: <u>DB-624</u> ID: <u>0.53</u> (mm)	Dilution Factor: 1.00
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)

CAS NO. COMPOUND	CONCENTRATION UN (ug/L or ug/Kg)		Q
67-64-1Acetone		30	U
71-43-2Benzene		6	U
75-27-4Bromodichloromethan	ne	6	U
75-25-2Bromoform		· 6	י ע
74-83-9Bromomethane		. 6	ט
78-93-32-Butanone		. 30	טו
75-15-0Carbon Disulfide		6	ט
56-23-5Carbon Tetrachloric	de	6	יט
108-90-7Chlorobenzene		6	ש
75-00-3Chloroethane	·	6	שן
67-66-3Chloroform		6	שו
74-87-3Chloromethane		6	υ
110-82-7Cyclohexane		6	บ
106-93-41,2-Dibromoethane		6 .	ט
124-48-1Dibromochloromethar	ne	6	שו
96-12-81,2-Dibromo-3-chlor	ropropane	6	ש
95-50-11,2-Dichlorobenzene	2	б	U
541-73-11,3-Dichlorobenzene		6	U
106-46-71,4-Dichlorobenzene		6	ប
75-71-8Dichlorodifluoromet	hane	6	ប
75-34-31,1-Dichloroethane		6	ប
107-06-21,2-Dichloroethane		. 6	U
75-35-41,1-Dichloroethene		6	U
156-59-2cis-1,2-Dichloroeth	nene	6	U
156-60-5trans-1,2-Dichloroe	ethene	6.	U
78-87-51,2-Dichloropropane		6	U
10061-01-5cis-1,3-Dichloropro	pene	6	ប
10061-02-6trans-1,3-Dichlorop	propene	6	ן ט
100-41-4Ethylbenzene		6	ש
591-78-62-Hexanone		30	U
98-82-8Isopropylbenzene		6	ן ט
79-20-9Methyl acetate		6	ט
108-87-2Methylcyclohexane		6	ט
75-09-2Methylene chloride		8	В

	•	ALBW10017	
Lab Name: STL Buffalo Contract: 744538			
Lab Code: RECNY Case No.: SAS No.:	SDG No.: 091406		
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID:	<u>A6A51302</u>	
Sample wt/vol: $\underline{5.36}$ (g/mL) $\underline{G}$	Lab File ID:	P3392.RR	
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	09/13/2006	09/14/2006
% Moisture: not dec. <u>21</u> Heated Purge: Y	Date Analyzed:	09/14/2006	
GC Column: <u>DB-624</u> ID: <u>0.53</u> (mm)	Dilution Factor:	1.00	
Soil Extract Volume: (uL)	Soil Aliquot Vol	ume:	(uL)
	CONCENIRATION UNITS:		-
CAS NO. COMPOUND	(ug/L or ug/Kg)	UG/KG	Q .
108-10-14-Methyl-2-pentanone 1634-04-4Methyl-t-Butyl Ether (MTBE) 100-42-5Styrene 79-34-51,1,2,2-Tetrachloroethane 127-18-4Tetrachloroethene 108-88-3Toluene		30 U 6 U 6 U 6 U 6 U 6 U	-
120-82-11,2,4-Trichlorobenzene	proethane	6 U U 6 U U 6 U U 30 U U	
75-01-4Vinyl chloride 1330-20-7Total Xylenes		12 U 18 U	

Lah Nama	• CTT. Duffalo	Contract: 744538		ALBW100	017
Ten Manie	BID BULLATO	WILLIACL: <u>744538</u>	<u></u> .		
Lab Code	: <u>RECNY</u> Case No	.: SAS No.:	SDG No.: 0914	<u>106</u> .	
Matrix:	(soil/water) <u>SOIL</u>		Lab Sample 1	D: <u>A6A513</u>	302
Sample wt	c/vol:5.36	5 (g/mL) <u>G</u>	Lab File ID:	<u>P3392.</u>	RR
Level:	(low/med) <u>LOW</u>		Date Samp/Re	ecv: <u>09/13/</u>	<u> 2006 09/14/2006</u>
% Moistu	ce: not dec. <u>21.5</u>		Date Analyze	ed: <u>09/14/</u>	2006
GC Column	n: <u>DB-624</u> ID	: <u>0.53</u> (mm)	Dilution Fac	ctor: <u>1.</u>	00
Soil Extr	ract Volume:	(uL)	Soil Aliquot	: Volume: _	(uL)
Number T	Cs found:0	· .	CONCENTRATION (ug/L or ug/F	-	<u>.</u>
	CAS NO.	Compound Name	RT E	st. Conc.	Q

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:  $\underline{6.04}$  (g/mL)  $\underline{G}$  Lab File ID:  $\underline{P3393.RR}$ 

Level: (low/med) <u>LOW</u> Date Samp/Recv: <u>09/13/2006</u> <u>09/14/2006</u>

% Moisture: not dec. <u>18</u> Heated Purge: Y Date Analyzed: <u>09/14/2006</u>

GC Column: DB-624 \_\_\_ ID: 0.53 (mm) Dilution Factor: \_\_\_\_1.00

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

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

5

5

5

- 5

1

25

10

15

υ

U

U

บ

J

U

U

U

#### METHOD 8260 - TCL VOLATTLE ORGANICS ANALYSIS DATA SHEET

Client No.

ab Name: STL Buffalo Contract: 744538	8	ALBW10018	
ab Code: <u>RECNY</u> Case No.: SAS No.:	SDG No.: <u>091406</u>		
Matrix: (soil/water) SOIL	Lab Sample ID:	A6A51303	
Sample wt/vol: 6.04 (g/mL) G	Lab File ID:	P3393.RR	· 
.evel: (low/med) <u>LOW</u>	Date Samp/Recv:	09/13/2006	09/14/2006
Moisture: not dec. <u>18</u> Heated Purge: Y	Date Analyzed:	09/14/2006	
C Column: <u>DB-624</u> ID: <u>0.53</u> (mm)	Dilution Factor:	1.00	
Soil Extract Volume: (uL)	Soil Aliquot Volu	me:	(uL)
CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ]	JG/KG_	Q
108-10-14-Methyl-2-pentanone 1634-04-4Methyl-t-Butyl Ether (MIBE) 100-42-5Styrene 79-34-51,1,2,2-Tetrachloroethane 127-18-4Tetrachloroethene 108-88-3Toluene		25 U 5 U 5 U 5 U 5 U 5 U	
120-82-11,2,4-Trichlorobenzene		5 U	<b>]</b> .

71-55-6----1,1,1-Trichloroethane

79-00-5-----1,1,2-Trichloroethane

75-69-4----Trichlorofluoromethane

79-01-6----Trichloroethene

108-05-4-----Vinyl acetate

75-01-4-----Vinyl chloride

1330-20-7----Total Xylenes

76-13-1----1,1,2-Trichloro-1,2,2-trifluoroethane

			•		ALBW10018	
Lab Name: STL But	<u> Efalo</u>	Contract: <u>744538</u>		L		
Lab Code: <u>RECNY</u>	Case No.	: SAS No.:	SDG No.:	091406		
Matrix: (soil/wat	er) <u>SOIL</u>		Lab Samp	le ID:	A6A51303	-
Sample wt/vol:	6.04	(g/mL) <u>G</u>	Lab File	ID:	P3393.RR	<del></del>
Level: (low/med	d) <u>LOW</u>		Date Sam	p/Recv:	09/13/200	6 09/14/2006
% Moisture: not	dec. <u>17.5</u>		Date Ana	lyzed:	09/14/200	<u>6</u>
GC Column: <u>DB-62</u> 4	4 ID:	<u>0.53</u> (mm)	Dilution	Factor:	1.00	
Soil Extract Volu	ume:	(uL)	Soil Alie	quot Vol	ume:	(uL)
Number TICs found	d: <u>0</u>		CONCENTRATE (ug/L or 1			
C	AS NO.	Compound Name	RT	Est.	Conc.	Q

Client No.

ALBW1	0019	

Lab Name: STL Buffalo Contract: 744538

Lab Code: RECNY Case No.: \_\_\_\_ SAS No.: \_\_\_\_ SDG No.: 091406

Matrix: (soil/water) SOIL Lab Sample ID: A6A51304

Sample wt/vol: 5.95 (g/mL)  $\underline{G}$  Lab File ID:  $\underline{P3394.RR}$ 

Level: (low/med) <u>LOW</u> Date Samp/Recv: <u>09/13/2006</u> <u>09/14/2006</u>

% Moisture: not dec. <u>18</u> Heated Purge: Y Date Analyzed: <u>09/14/2006</u>

GC Column: <u>DB-624</u> ID: <u>0.53</u> (mm) Dilution Factor: <u>1.00</u>

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

		CONCENTRATION UNIT	rs:	
CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
67-64-1	Acetone		26	U
71-43-2			5	ש
75-27-4	Bromodichloromethane		5	ט
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	\ <b>U</b>
56-23-5	Carbon Tetrachloride		5	U
108-90-7	Chlorobenzene		5	ע
	Chloroethane		5	U
67-66-3	Chloroform		5	U
74-87-3	Chloromethane		5	ט
	Cyclohexane		5	U
106-93-4	1,2-Dibromoethane		5	ט
124-48-1	Dibromochloromethane		5	U
96-12-8	1,2-Dibromo-3-chloropropane		5	U
95-50-1	1,2-Dichlorobenzene		5	שן
541-73-1	1,3-Dichlorobenzene		5	U
106-46-7	1,4-Dichlorobenzene		5	U
75-71-8	Dichlorodifluoromethane		5	ע
75-34-3	1,1-Dichloroethane		5	U
	1,2-Dichloroethane		5	ש
75-35-4	1,1-Dichloroethene		5	ט
	cis-1,2-Dichloroethene		5	שן
156-60-5	trans-1,2-Dichloroethene		5	U
78-87-5	1,2-Dichloropropane		5	שׁ
10061-01-5-	cis-1,3-Dichloropropene		5	ט
10061-02-6-	trans-1,3-Dichloropropene		5	ש
100-41-4	Ethylbenzene		5 .	U
591-78-6	2-Hexanone		26	טן
98-82-8	Isopropylbenzene		5	שׁ
79-20-9	Methyl acetate		5	ប
	Methylcyclohexane		5	[ប
	Methylene chloride		6	В

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

#### METHOD 8260 - TCL VOLATILE ORGANICS ANALYSIS DATA SHEET

Client No.

			ALBW10019
Lab Name: STL Buffalo Co	ontract: <u>744538</u>	<u>·</u>	
Lab Code: <u>RECNY</u> Case No.:	SAS No.:	SDG No.: 091406	
Matrix: (soil/water) <u>SOIL</u>		Lab Sample ID:	A6A51304
Sample wt/vol:5.95 (g/mL) G	- -	Lab File ID:	P3394.RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	09/13/2006 09/14/2006
Moisture: not dec. <u>18</u> Heated F	Purge: <u>Y</u>	Date Analyzed:	09/14/2006
3C Column: <u>DB-624</u> ID: <u>0.53</u> (mm)		Dilution Factor:	1.00

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

CAS NO. COMPOUND	CONCENTRATION UN (ug/L or ug/Kg)	ITS: <u>UG/KG</u>	Q
108-10-14-Methyl-2-pentanone		26	U
1634-04-4Methyl-t-Butyl Ether (	MTBE)	5	ע
100-42-5Styrene		5	[ד
79-34-51,1,2,2-Tetrachloroeth	ane	. <b>5</b>	שׁ
127-18-4Tetrachloroethene		5.	U
108-88-3Toluene		5	שׁן
120-82-11,2,4-Trichlorobenzene	:	5	ש
71-55-61,1,1-Trichloroethane		5 .	ט
79-00-51,1,2-Trichloroethane		5	ד
76-13-11,1,2-Trichloro-1,2,2-	trifluoroethane	5	ַ <del>ט</del>
75-69-4Trichlorofluoromethane		5	lυ
79-01-6Trichloroethene		5	שו
108-05-4Vinyl acetate		26	U
75-01-4Vinyl chloride		10	שו
1330-20-7Total Xylenes		15	ט

				ALBW100	19	
Lab Name	: STL Buffalo	Contract: <u>744538</u>	·		· · ·	
Lab Code	: <u>RECNY</u> Case No	.: SAS No.:	SDG No.: 0	91406		
Matrix:	(soil/water) <u>SOIL</u>		Lab Sampl	e ID: <u>A6A513</u>	04	
Sample w	t/vol: <u>5.9</u>	5 (g/mL) <u>G</u>	Lab File	ID: <u>P3394</u> .	RR	·
Level:	(low/med) <u>LOW</u>		Date Samp	/Recv: <u>09/13/</u>	<u> 2006 0</u>	9/14/2006
% Moistu	re: not dec. <u>17.6</u>		Date Anal	yzed: <u>09/14/</u>	<u> 2006</u>	
GC Colum	n: <u>DB-624</u> ID	:_0.53 (mm)	Dilution	Factor:1.	00	
Soil Ext	ract Volume:	(uL)	Soil Aliq	uot Volume:		(ധ്.)
Number T	ICs found: 0		CONCENTRATI (ug/L or u	ON UNITS: g/Kg) <u>UG/KG</u>	<u> </u>	
	CAS NO.	Compound Name	RT	Est. Conc.	Q	
					<del> </del>	7

Client No.

ALBW10020	
<u> </u>	

Date Samp/Recv: 09/20/2006 09/21/2006

Lab Name: SIL Buffalo Contract: 744538

Level: (low/med) LOW

Lab Code: RECNY Case No.: SAS No.: SDG No.: 091406

Matrix: (soil/water) SOIL Lab Sample ID: A6A78301

Sample wt/vol: 4.25 (g/mL)  $\underline{G}$  Lab File ID:  $\underline{F2424.RR}$ 

% Moisture: not dec. 6 Heated Purge: Y Date Analyzed: 09/22/2006

GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm) Dilution Factor: <u>1.00</u>

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

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	and the second s	Q
67-64-1	Acetone		31	U
71-43-2			6	U
75-27-4	Bromodichloromethane		6	U
75-25-2	Bromoform		6	U
74-83-9	Bromomethane		·6	<b>U</b>
78-93-3			31	U
75-15-0	Carbon Disulfide		6	U
56-23-5	Carbon Tetrachloride		· 6	ע
108-90-7	Chlorobenzene		6	U
75-00-3	Chloroethane		6	ט
67-66-3	Chloroform		6	ט
74-87-3	Chloromethane		6	ט
110-82-7			6	U
106-93-4	1,2-Dibromoethane		6	U
124-48-1	Dibromochloromethane		6	ן ט
96-12-8	1,2-Dibromo-3-chloropropane		6	ט
95-50-1	1,2-Dichlorobenzene		6	ן ט
541-73-1	1,3-Dichlorobenzene		6	U.
106-46-7	1,4-Dichlorobenzene		6	ן ט
75-71-8	Dichlorodifluoromethane		6	ע
75-34-3	1,1-Dichloroethane		6	ט
	1,2-Dichloroethane		6	ע
	1,1-Dichloroethene		6	ט
156-59-2	cis-1,2-Dichloroethene		6	1 1
	trans-1,2-Dichloroethene		6	ט
	1,2-Dichloropropane		6	ט
	-cis-1,3-Dichloropropene		6	ע
	trans-1,3-Dichloropropene		6	ט
	Ethylbenzene		6	ט
591-78-6			31	U
	Isopropylbenzene		6	י ט
	Methyl acetate		6	ט
	Methylcyclohexane		6	ט
	Methylene chloride		2	BJ

ab Name Off Diffele	•	ALBW10020	
Lab Name: SIL Buffalo Contract: 744538			
Lab Code: RECNY Case No.: SAS No.:	SDG No.: 09140	<u>16</u>	
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID:	A6A78301	,
Sample wt/vol: $4.25$ (g/mL) G	Lab File ID:	F2424 .RR	
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	09/20/2006	09/21/2006
Moisture: not dec. <u>6</u> Heated Purge: <u>Y</u>	Date Analyzed:	09/22/2006	
3C Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor	:1.00	
Soil Extract Volume: (uL)	Soil Aliquot Vo	olume:	(ul)
CAS NO. COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg)		Q
108-10-14-Methyl-2-pentanone 1634-04-4Methyl-t-Butyl Ether (MIBE) 100-42-5Styrene 79-34-51,1,2,2-Tetrachloroethane 127-18-4Tetrachloroethene 108-88-3Toluene 120-82-11,2,4-Trichlorobenzene 71-55-61,1,1-Trichloroethane 79-00-51,1,2-Trichloroethane 79-01-6Trichlorofluoromethane 79-01-6Trichloroethene 108-05-4Vinyl acetate 75-01-4Vinyl chloride 1330-20-7Total Xylenes	proethane	31 U 6 U 6 U 6 U 6 U 6 U 6 U 6 U 6 U 280 E 31 U 12 U	

		ALBW10020
Lab Name: STL Buffalo Contract: 744538	•	
Lab Code: RECNY Case No.: SAS No.:	SDG No.: <u>091406</u>	
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID:	A6A78301
Sample wt/vol: $4.25$ (g/mL) $G$	Lab File ID:	F2424.RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	09/20/2006 09/21/2006
% Moisture: not dec. <u>6.1</u>	Date Analyzed:	09/22/2006
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor	:1.00
Soil Extract Volume: (uL)	Soil Aliquot Vo	lume: (uL)
Number TICs found: <u>1</u>	CONCENTRATION UNI (ug/L or ug/Kg)	

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	2.95	6	J

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:  $\underline{4.47}$  (g/mL)  $\underline{G}$  Lab File ID: Q5524.RR

Level: (low/med) <u>MED</u> Date Samp/Recv: <u>09/20/2006</u> <u>09/21/2006</u>

% Moisture: not dec. <u>6</u> Heated Purge: N Date Analyzed: <u>09/24/2006</u>

GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm) Dilution Factor: <u>1.00</u>

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100.00 (uL)

#### CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q 67-64-1-----Acetone 600 U 71-43-2----Benzene 120 TT 75-27-4-----Bromodichloromethane 120 U 75-25-2----Bromoform 120 U 74-83-9-----Bromomethane U 120 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 IJ 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 U 120 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 U 120 79-20-9-----Methyl acetate 160 D 108-87-2----Methylcyclohexane U 120 75-09-2-----Methylene chloride 170 מו

Client No.

ALEW10020 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:  $\underline{4.47}$  (g/mL)  $\underline{G}$  Lab File ID:  $\underline{O5524.RR}$ 

Level: (low/med) <u>MED</u> Date Samp/Recv: <u>09/20/2006</u> <u>09/21/2006</u>

% 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
108-10-1	4-Methyl-2-pentanone		600	U
	Methyl-t-Butyl Ether (MIBE)		120	ט
100-42-5			120	U
79-34-5	1,1,2,2-Tetrachloroethane		120	ש
	Tetrachloroethene		120	ט
108-88-3			120	ט
120-82-1	1,2,4-Trichlorobenzene		120	ט
71-55-6	1,1,1-Trichloroethane		120	ប
	1,1,2-Trichloroethane		120	U
76-13-1	1,1,2-Trichloro-1,2,2-triflu	ioroethane	120	U
	Trichlorofluoromethane	·	120	บ
T. C. C. C. C. C. C. C. C. C. C. C. C. C.	Trichloroethene		6600	D
	Vinyl acetate		600	U
	Vinyl chloride		240	U
	Total Xylenes		360	U

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:  $\underline{4.47}$  (g/mL)  $\underline{G}$ 

Lab File ID: <u>Q5524.RR</u>

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: <u>DB-624</u> ID: <u>0.25</u> (mm)

Dilution Factor: \_\_\_\_1.00

Number TICs found: \_\_1

Soil Aliquot Volume: 100.00 (uL)

Soil Extract Volume: 10000 (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) <u>UG/KG</u>

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN SILOXANE	10.68	320	J

Client No.

	ALBW10021
Lab Name: STL Buffalo Contract: 744	<u>4538</u>
Lab Code: <u>RECNY</u> Case No.: SAS No.: _	SDG No.: <u>091406</u>
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID: A6A78302
Sample wt/vol: 5.82 (g/mL) G	Lab File ID: F2425.RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv: 09/20/2006 09/21/2006
% Moisture: not dec. <u>15</u> Heated Purge: <u>Y</u>	Date Analyzed: 09/22/2006
GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor:1.00
Soil Extract Volume: (uL)	Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/K		Q
67-64-1	-Acetone		25	υ
71-43-2			. 5	ן ט
75-27-4	-Bromodichloromethane		5	ט
75-25-2	-Bromoform		5	ן ט
74-83-9	-Bromomethane		5	ט
78-93-3	-2-Butanone		25	บ
75-15-0	-Carbon Disulfide		5	[ប
	-Carbon Tetrachloride		5	ע
108-90-7	-Chlorobenzene		5	ע
75-00-3	-Chloroethane		5	ט
67-66-3	-Chloroform		5	ט
74-87-3	-Chloromethane		5	. \U
110-82-7	-Cyclohexane		5	ע
106-93-4	-1,2-Dibromoethane		5	ַ ט
124-48-1	-Dibromochloromethane		5	ש
96-12-8	-1,2-Dibromo-3-chloropropane	· ·	5	ט
95-50-1	-1,2-Dichlorobenzene		5	ט
541-73-1	-1,3-Dichlorobenzene		5	ט
106-46-7	-1,4-Dichlorobenzene		5	ע
75-71-8	-Dichlorodifluoromethane		5	ט
75-34-3	-1,1-Dichloroethane		5	ע
107-06-2	-1,2-Dichloroethane	,	5.	ט
75-35-4	-1,1-Dichloroethene		5	ש
156-59-2	-cis-1,2-Dichloroethene		4	J.
	-trans-1,2-Dichloroethene		5	ט
78-87-5	1,2-Dichloropropane		5	ן ט
10061-01-5	-cis-1,3-Dichloropropene		· 5	ט
	trans-1,3-Dichloropropene		5	ט
	-Ethylbenzene		5	ט
591-78-6			25	ט
	Isopropylbenzene		5 ·	ע
	Methyl acetate		5	ט
	Methylcyclohexane		5	ע ו
	-Methylene chloride		2	BJ

	•	ALBW10021
Lab Name: STL Buffalo Contract: 744538	<del></del>	<u> </u>
Lab Code: RECNY Case No.: SAS No.:	SDG No.: 091406	
Matrix: (soil/water) <u>SOIL</u>	Lab Sample ID:	A6A78302
Sample wt/vol: $\underline{5.82}$ (g/mL) $\underline{G}$	Lab File ID:	F2425.RR
Level: (low/med) <u>LOW</u>	Date Samp/Recv:	09/20/2006 09/21/2006
Moisture: not dec. <u>15</u> Heated Purge: Y	Date Analyzed:	09/22/2006
3C Column: <u>DB-624</u> ID: <u>0.25</u> (mm)	Dilution Factor:	1.00
Soil Extract Volume: (uL)	Soil Aliquot Vol	ume: (uL)
•		· ·

CAS NO. COMPOUND	CONCENTRATION UNI (ug/L or ug/Kg)	TS: UG/KG	Q
108-10-14-Methyl-2-pentanone		25	U
1634-04-4Methyl-t-Butyl Ether (1	MIBE)	5	ט
100-42-5Styrene	-	5	שׁ
79-34-51,1,2,2-Tetrachloroeth	ane	5	ט
127-18-4Tetrachloroethene		5	ע
108-88-3Toluene		5	שן
120-82-11,2,4-Trichlorobenzene		5	ָ ען
71-55-61,1,1-Trichloroethane		5 .	ប
79-00-51,1,2-Trichloroethane		5	U
76-13-11,1,2-Trichloro-1,2,2-1	trifluoroethane	5	U
75-69-4Trichlorofluoromethane		5 .	U
79-01-6Trichloroethene		5	Ū
108-05-4Vinyl acetate	·	25	ן ט
75-01-4Vinyl chloride		10	ט
1330-20-7Total Xylenes		15	ט
			1

	•			ALBW100	21	
Lab Name:	SIL Buffalo	Contract: 744538	_			
Lab Code:	RECNY Case No.	: SAS No.:	SDG No.:	091406		
Matrix: (	soil/water) <u>SOIL</u>		Lab Samp	le ID: <u>A6A78</u>	302	
Sample wt	/vol: <u>5.82</u>	<u>?</u> (g/mL) <u>G</u>	Lab File	ID: <u>F2425</u>	.RR	<del></del>
Level:	(low/med) <u>LOW</u>		Date Sam	p/Recv: <u>09/20</u>	<u>/2006 (</u>	09/21/2006
% Moistur	re: not dec. <u>15.0</u>		Date Ana	lyzed: <u>09/22</u>	/2006	
GC Column	n: <u>DB-624</u> ID:	: <u>0.25</u> (mm)	Dilution	Factor: 1	.00	
Soil Extr	act Volume:	(uL)	Soil Alic	quot Volume: _	····	_ (uL)
Number TI	Cs found: 0			ION UNITS: ug/Kg) <u>UG/K</u>	<u>3</u>	
	CAS NO.	Compound Name	RT	Est. Conc.	Q	

Client No.

ALBW10022	

Lab Name: STL Buffalo Contract: 744538

Lab Code: RECNY Case No.: SAS No.: SDG No.: 091406

Matrix: (soil/water) SOIL Lab Sample ID: A6A78303

Sample wt/vol:  $\underline{6.30}$  (g/mL)  $\underline{G}$  Lab File ID:  $\underline{F2426.RR}$ 

Level: (low/med) LOW Date Samp/Recv: 09/20/2006 09/21/2006

% Moisture: not dec. <u>12</u> Heated Purge: Y Date Analyzed: <u>09/22/2006</u>

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

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

#### CONCENTRATION UNITS: CAS NO. COMPOUND (uq/L or uq/Kq) UG/KG 0 67-64-1-----Acetone U 23 71-43-2----Benzene 4 U 75-27-4-----Bromodichloromethane 4 U U 75-25-2----Bromoform 4 74-83-9-----Bromomethane 4 U 78-93-3----2-Butanone 23 U 75-15-0-----Carbon Disulfide 4 П 56-23-5-----Carbon Tetrachloride 4 U 108-90-7----Chlorobenzene U 4 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 U 106-46-7----1,4-Dichlorobenzene 4 75-71-8-----Dichlorodifluoromethane IJ 4 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 U 4 10061-01-5---cis-1,3-Dichloropropene 4 U 10061-02-6---trans-1,3-Dichloropropene 4 U U 100-41-4----Ethylbenzene 4 591-78-6----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 BJ

				•	ALBW10022	
Lab Name:	SIL Buffalo	Con	ntract: <u>744538</u>	<del></del>		
Lab Code:	: <u>RECNY</u> Case	≥ No.:	SAS No.:	SDG No.: 091406	•	
Matrix:	(soil/water) <u>sc</u>	DIL		Lab Sample ID:	A6A78303	•
Sample wt	:/vol:	6.30 (g/mL) <u>G</u>		Lab File ID:	F2426.RR	
Level:	(low/med) <u>LO</u>	<u>w</u>		Date Samp/Recv:	09/20/2006	09/21/2006
% Moistu	re: not dec	12 Heated P	urge: Y	Date Analyzed:	09/22/2006	
GC Colum	n: <u>DB-624</u>	ID: <u>0.25</u> (mm)		Dilution Factor:	1.00	
Soil Exti	ract Volume: _	(uL)		Soil Aliquot Volu	ume:	_ (uL)
	CAS NO.	COMPOUND	C	ONCENTRATION UNITS: (ug/L or ug/Kg) <u>[</u>		Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/KG	Q
108-10-1	4-Methyl-2-pentanone		23	U
	Methyl-t-Butyl Ether (MTBE)		4	ש
	Styrene		4	U
	1,1,2,2-Tetrachloroethane		4	ט
	Tetrachloroethene		4 .	. บ
108-88-3	Toluene		4	U
	1,2,4-Trichlorobenzene		4	U
	1,1,1-Trichloroethane		4	U
	1,1,2-Trichloroethane		4	U
	1,1,2-Trichloro-1,2,2-trifluor	roethane	4	ע
	Trichlorofluoromethane		4	U
1	Trichloroethene		4	.  บ
	Vinyl acetate		23	שׁ
	Vinyl chloride		9	[ט
	Total Xylenes		14	ט
1				

Lab Name: STL Buffalo	Contract: 744538		ALBW10022
Lab Code: RECNY Case No.:	SAS No.:	SDG No.: 091406	
Matrix: (soil/water) <u>SOIL</u>		Lab Sample ID:	A6A78303
Sample wt/vol: 6.30 (g/mL)	<u>G</u>	Lab File ID:	F2426.RR
Level: (low/med) <u>LOW</u>		Date Samp/Recv:	09/20/2006 09/21/2006
% Moisture: not dec. 12.3	,	Date Analyzed:	09/22/2006
GC Column: <u>DB-624</u> ID: <u>0.25</u> (	(mm)	Dilution Factor:	1.00
Soil Extract Volume: (uL)		Soil Aliquot Vol	ume: (uL)
Number TICs found: <u>1</u>		CONCENTRATION UNIT (ug/L or ug/Kg)	
<u> </u>			

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	1.30	5	J

Client No.

ALBW10023	
111111111111111111111111111111111111111	

Lab Name: STL Buffalo Contract: 744538

Lab Code: RECNY Case No.: \_\_\_\_ SAS No.: \_\_\_\_ SDG No.: 091406

Matrix: (soil/water) SOIL Lab Sample ID: A6A78304

Sample wt/vol:  $\underline{6.88}$  (g/mL)  $\underline{G}$  Lab File ID:  $\underline{F2427.RR}$ 

Level: (low/med) <u>LOW</u> Date Samp/Recv: <u>09/20/2006</u> <u>09/21/2006</u>

% Moisture: not dec.  $\underline{\phantom{a}}$  Heated Purge:  $\underline{\underline{Y}}$  Date Analyzed:  $\underline{\phantom{a}}$  09/22/2006

GC Column: <u>DB-624</u> ID: <u>0.25</u> (mm) Dilution Factor: <u>1.00</u>

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

CONCENTRATION UNITS:

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

•			ALBW10023	
Lab Name: <u>STL Buffalo</u>	Contract: <u>744538</u>		L	<u></u>
Lab Code: RECNY Case No.:	SAS No.:	SDG No.: 091406		•
Matrix: (soil/water) SOIL		Lab Sample ID:	A6A78304	
Sample wt/vol: 6.88 (g/mL)	<u>G</u>	Lab File ID:	F2427.RR	
Level: (low/med) LOW		Date Samp/Recv:	09/20/2006	09/21/2006
% Moisture: not dec. <u>14</u> Heate	d Purge: <u>Y</u>	Date Analyzed:	09/22/2006	
GC Column: <u>DB-624</u> ID: <u>0.25</u> (	mm)	Dilution Factor:	1.00	• •
Soil Extract Volume: (uL)	•	Soil Aliquot Vol	ume:	(uL)

CAS NO	. COMPOUND	CONCENTRATION UNI (ug/L or ug/Kg)	rs: <u>ug/kg</u>	Q	
108-10-	-14-Methyl-2-pentanone		21	U	]
	1-4Methyl-t-Butyl Ether	(MIBE)	4	ט	
100-42	-5Styrene		4	U	
79-34-	1,1,2,2-Tetrachloroet	hane	4	ט	
127-18	-4Tetrachloroethene		4	ט	
108-88	-3Toluene		4	U	ŀ
120-82-	-11,2,4-Trichlorobenzer	ne	4	U	1
71-55-6	51,1,1-Trichloroethane		4	ט	1
79-00-5	51,1,2-Trichloroethane		4	ט	
76-13-3	l1,1,2-Trichloro-1,2,2	2-trifluoroethane	4 .	· ប	
75-69-4	1Trichlorofluoromethar	ne	4	U	1
79-01-6	5Trichloroethene		4	บ	
108-05	-4Vinyl acetate		21	ט	1
75-01-4	1Vinyl chloride		8	บ	
	)-7Total Xylenes		13	ט	
1	·			ı	1

			ALBW10023
Lab Name: STL Buffalo	Contract: <u>744538</u>	-	
Lab Code: <u>RECNY</u> Case No.:	SAS No.:	SDG No.: <u>091406</u>	
Matrix: (soil/water) SOIL		Lab Sample ID:	A6A78304
Sample wt/vol: 6.88	(g/πL) <u>G</u>	Lab File ID:	F2427.RR
Level: (low/med) <u>LOW</u>		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 Vol	ume: (uL)
Number TICs found: _0		CONCENTRATION UNIT (ug/L or ug/Kg)	
r			

### 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

95,832 ft
15 measurements required

	<b>Grid Name</b>	Depth (ft)	Depth (in.)	Gr	rid Name	Depth (ft)	Depth (in.)
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

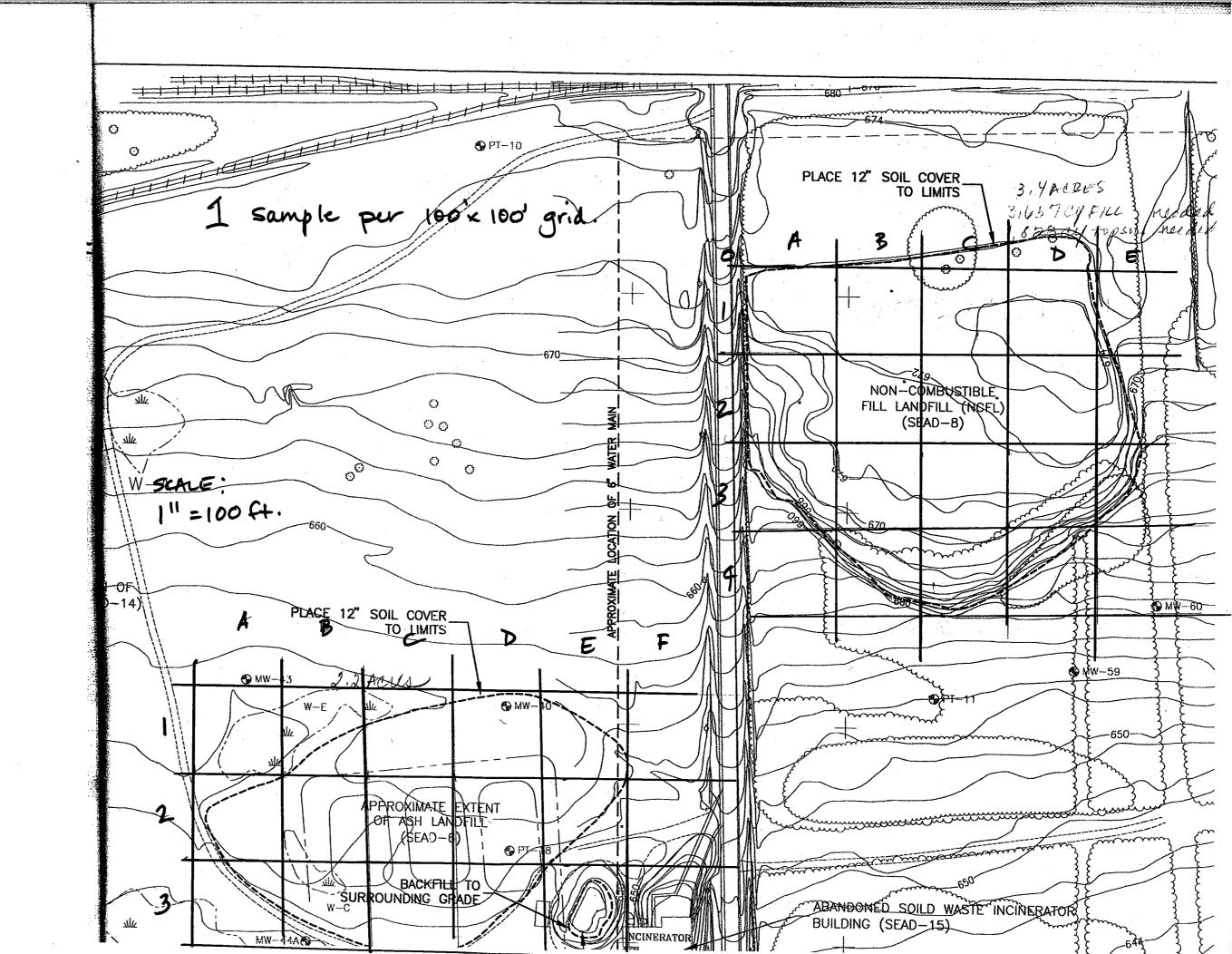


Table C-2

Mulch Composition Assessment
Construction Inspection Activity
Ash Landfill Completion Report
Seneca Army Depot Activity

#	Date	Biowall Pair Baseline	Material	Volume Collected (qt)	Volume Passed (qt)	Volume Retained (qt)	Volume % Mulch	Approved ?
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 form 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

						Sand Loads			
Week	Day#	Day	Date	Description	Mulch Loads	(tandem/trlr)	LF Mulch	Topsoil	Debris
1	1	Monday	21-Aug-06	Mowed areas - by Sessler (6 hrs)	0	0	0	-	
1	2	Tuesday		Kick-off meeting, delivered 4 -100cy trirlds of mulch	5	0	0		
1	3	Wednesday	23-Aug-06	Delivered 4 -100 cy lds of mulch	3	0	0 (	)	
1		Thursday	24-Aug-06	No Work	0	0	0 (	)	
1		Friday	25-Aug-06	No Work	0	0	0	)	
2	4	Monday	28-Aug-06	Delivered 32lds of sand 3-10wheelers & 1 dump trlr	0	24	8 (	)	
2	5	Tuesday		Delivered 4 lds of sand & 1 ld of mulch	1	3	1 (	)	
2	6	Wednesday	30-Aug-06	Survey Ash LF perimeter	0	0	0 (	)	
2	7	Thursday	31-Aug-06	Delivered 2lds of mulch	2	0	0 (	)	
2		Friday	1-Sep-06	No Work	0	0	0	)	
3		Monday	4-Sep-06	Holiday - Labor Day	0	0	0	)	
				Mobilization/Site Orientation, Sand delivery 25 lds,					
3	8	Tuesday	5-Sep-06	mulch delivery 2 lds, oil delivery 26,600lb, mixing Sand delivery ~32-lds, mulch delivery 3-lds, finished mixing 900cy mulch. Excavated & backfilled ~200lf	2	20	5 (	)	
3	9	Wednesday	6-Sep-06	C2. Sand delivery ~31-lds, mulch delivery 4- lds.	3	24	8	)	
				Excavated & backfilled ~335lf C2. Soybean oil					
3	10	Thursday	7-Sep-06	delivered. C2 completed.	4	24	7	)	
3	11	Friday	8-Sep-06	Mulch delivery 2-lds, mixing sand/mulch.	2	0	0		
				Excavated & backfilled C1; 535lf, 991cy; sand/mulch					
4	12	Monday	11-Sep-06	mixing. C1 completed.  Excavated & backfilled 220lf of B1 at the north end,	0	0	0	)	
4	13	Tuesday	12-Sep-06	cleared the berms at the ash cooling pond	0	0	0 (	)	
				Continue clearing NCLF; rec'd 5lds mulch, 2 lds					
4	14	Wednesday	13-Sep-06	topsoil (fine mulch); finish ash cooloing pond	5	0	0 2	2	
4	15	Thursday	14-Sep-06	Rec'd 7 lds of mulch & 1 load of oil	7	0	0 (	)	
4	16	Friday	15-Sep-06	Mixing sand/mulch. Rec'd 5 loads mulch	5	0	0	)	
				Rec'd 5 loads of mulch. Excavated & backfilled B1/B2					
5	17	Monday	18-Sep-06	north of the 100ppb contour.	5	0	0	)	
				Rec'd 5 loads of mulch. Rec'd 32 lds sand. Rec'd					
_				4569 gal soybean oil. Finished excavating &	_				
5	18	Tuesday	19-Sep-06	backfilling B1/B2 north of the pilot wall.	5	24	8 (	)	

#### SENECA PBC1 WORK SUMMARY

Week	Day#	Day	Date	Description	Mulch Loads	Sand Loads (tandem/trlr)	LI	F Mulch	Topsoil	Debris
				Rec'd 7lds sand. Excavated A1/A2 trench N to S						
5	19	Wednesday	20-Sep-06	~100lf. Mulch mixing.	0	0	6	0		
				Rec'd 28 lds sand. Excavated A1/A2 trench S to N						
5	20	Thursday	21-Sep-06	~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		
				Hauling C1/C2 trench spoils to NCLF, rec'd 12 lds						
6	22	Monday	25-Sep-06	sand & 3 lds mulch.	3	9	3	0		
6	23	Tuesday		Hauling C1/C2 trench spoils to NCLF.	0	0	0	0		
-		,		Hauling B1/B2 trench spoils to NCLF. Finished		-	-			
6	24	Wednesday	27-Sep-06	excavating & backfilling C1 & C2 & B1	0	0	0	0		
6	25	Thursday		Hauling B1/B2 trench spoils to NCLF.	0	0	0	2		
6		Friday	29-Sep-06							
				Hauling B1/B2 trench spoils to NCLF. Placing mulch						
			_	& A1/A2 trench spoils on the Ash LF. Rec'd 2 lds of						
7	26	Monday	2-Oct-06	mulch.	0	0	0	2		
			_	Rec'd 6 lds of mulch. Pushing trench spoils onto Ash						
7	27	Tuesday	3-Oct-06	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						
				Subtotal - # Loads	52	149	53	12	0	
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	
				Topsoil delivery, excavate E Debris Pile, general						
8	33	Friday	13-Oct-06	cleanup	0	0	0	0	6	
		•		Subtotal - # Loads	52	149	53	12	204	
				Consolidating trees around the perimeter of the						
9	34	Monday	16-Oct-06	NCLF.	0	0	0	0	0	
9	35	Tuesday		Grinding the trees around the perimeter of the NCLF Grinding the trees around the perimeter of the NCLF.	0	0	0	0	0	
9	36	Wednesday	18-Oct-06							
9		Thursday	19-Oct-06							
9		Friday	20-Oct-06	No Work						

#### SENECA PBC1 WORK SUMMARY

Week	Day#	Day	Date	Description		Mulch Loads	Sand Lo		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
					Subtotal - # Loads						42
				MATERIAL QUANTITY SUMMA	DV.						
				Mulch for Trenchs	K I	Loodo	O4v/l d	Total			
				From Ricelli		<b>Loads</b> 50	<b>Qty/Ld</b> 100	<b>Total</b> 5,000			
				From Clifton			60	120	•		
				1 Tom Cinton		<u>2</u> 52	00	5,120			
						32		3,120	Су		
				Sand for Trenchs		Loads	Qty/Ld	Total			
				Tandem		149	15	2,235	су		
				Trailer		53	22	1,166			
								3,401			
				Ash Landfill Mulch		Loads	Qty/Ld	Total			
						12	60	720	су		
				Topsoil		Loads	Qty/Ld	Total			
						204	15	3,060	су		
				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

Ι.	XI.	Narrative	of Work	Performed	(including	problems	encountered	and	corrective	actions	taken	)
----	-----	-----------	---------	-----------	------------	----------	-------------	-----	------------	---------	-------	---

	Used a tractor and tow-behind mower to mow the No the Ash Landfill toward the West Patrol Road. Mowe	on-Combustible Fill Landfill area, the Ash Landfill area ar ed approximately 8 acres in 6 hours.	nd the area west of
II.	Verbal discussions/Instructions:		
	None.		
III.	Personnel On-site Name Mark Andrews	Company/Organization Sessler	Role Operator
	Ben McAllister Dan Hoffner	Parsons Parsons	Site Manager CM
IV.	Equipment On-site  Description  Tractor & Mower	Model/Type Case 1594/ Brush Hog	Oty 1

XIV. Photo Documentation

No photos today.

8-21-06 Page 4 of 78

#### 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	l On-site
--------	-----------	-----------

Site Manager Tech
Tech
1 CCII
Tech
CM
Sup't

#### V. Materials: Moved, Delivered to, or Removed from the Jobsite

Quantity Today	Material Removed/Delivered	<b>Cumulative Quantity on</b>	Source	Hauler
		Site		
4 lds, 400 cy	Mulch	4 lds, 400 cy	Henrietta development	Ricelli

#### XII. Visitors On-site

		I fille/duration of
Name	Company/Organization	Visit
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)

Accidents Reported Today:	0
Accidents to Date:	0
Days On-Site	2

#### XIV. Photo Documentation

No photos today.

8-22-06 Page 5 of 78

Time/duration of

#### 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

Ι.	XI.	Narrative	of Work	Performed	(including	problems	encountered	and	corrective	actions	taken	)
----	-----	-----------	---------	-----------	------------	----------	-------------	-----	------------	---------	-------	---

Rec'd 4 - 100cy loads. Survey Ash Landfill elevations.

II.	Verba	l disci	กรรเกา	s/Inst	ructions:

None.

#### III. Personnel On-site

NameCompany/OrganizationRoleBen McAllisterParsonsSite MDan LippParsonsTech	Jonego
	vianage
G 144	
Syed Ali Parsons Tech	
Dan Hoffner Parsons CM	

#### V. Materials: Moved, Delivered to, or Removed from the Jobsite

None today.

Quantity Today	Material Removed/Delivered	Cumulative Quantity on Site	Source	Hauler
4 lds, 400 cy	Mulch	8lds, 800 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	3

#### XIV. Photo Documentation

No photos today.

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 Name Ben McAllister	Company/Organization Parsons	<u>Role</u> Manager
		_	<u> </u>
		_	<u> </u>

## V. Materials: Moved, Delivered to, or Removed from the Jobsite

 $Tandem = 15cy \qquad Trlr = 22cy$ 

<b>Quantity Today</b>	Material Removed/Delivered	<b>Cumulative Quantity on</b>	Source	Hauler
		Site		
32 loads; 24	Sand	32 loads; 24 tandem, 8 trlr;	Junius sand pit	Dendis
tandem, 8 trlr		536cy		

## XIII. Health and Safety (see Tailgate Meeting Safety Attendance Log)

Accidents Reported Today:	0
Accidents to Date:	0
Days On-Site	4

### XIV. Photo Documentation

No photos today.

8-28-06 Page 7 of 78

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/ld = 198 cy & 27 via 10-wheel dump - est 15 cy = 405 cy, for a total est of 405+198=603 cy. 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 Name Ben McAllister	Company/Organization Parsons	Role Site Manager

## V. Materials: Moved, Delivered to, or Removed from the Jobsite

<b>Quantity Today</b>	Material Removed/Delivered	<b>Cumulative Quantity on</b>	Source	Hauler
		Site		
4 loads; 3	Sand	36 loads; 27 tandem, 9 trlr	Junius sand pit	Dendis
tandem, 1 tlr		- est 603cy	-	
1 ld, 100 cy	Mulch	9 lds, 900 cy	Henrietta	Ricelli
-		•	development	

## 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.

8-29-06 Page 8 of 78

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  $100 \times 100$  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  $50 \times 50$  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		
	Name	Company/Organization	<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.

8-30-06 Page 9 of 78

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. Y	XI.	Narrative of	Work	Performed	(inc	lud	ing	<u>prob</u>	<u>lems</u>	encountere	<u>d</u> and	correct	ive act	<u>ions</u> ta	ken)	)
------	-----	--------------	------	-----------	------	-----	-----	-------------	-------------	------------	--------------	---------	---------	----------------	------	---

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 Name Ben McAllister	Company/Organization Parsons	Role Site Manager

#### V. Materials: Moved, Delivered to, or Removed from the Jobsite

<b>Quantity Today</b>	Material Removed/Delivered	<b>Cumulative Quantity on</b>	Source	Hauler
		Site		
2 lds, 200 cy	Mulch	, ,	Henrietta development	Ricelli

## XIII. Health and Safety (see Tailgate Meeting Safety Attendance Log)

Accidents Reported Today:	0
Accidents to Date:	0
Days On-Site	7

### XIV. Photo Documentation

No photos today.

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
------	-----------	---------

Name	Company/Organization	<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>	Model/Type	<u>Oty</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

Quantity Today	Material Removed/Delivered	Cumulative Quantity on Site	Source	Hauler
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

9-5-06 Page 11 of 78

## IX. Samples Collected:

## **Mulch Testing:**

(See Field Mulch Testing form for Mulch Composition Assessment)

#### XII. Visitors On-site

		Time/duration
Name	Company/Organization	<u>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)

Accidents Reported Today:	0
Accidents to Date:	0
Days On-Site	8

## XIV. Photo Documentation

Mixing mulch/sand mixture with soybean oil previously added. Looking north.



9-5-06 Page 12 of 78

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	TEMPERATUR	E 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  $w/\sim576$ cy sand. Continued mulch testing. Began excavating trench C2 at the north end (1200hrs). At 1600hrs,  $\sim$  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		
	Name	Company/Organization	Role
	Dan Hoffner	Parsons	CM
	Chris Shaffer	Sessler	Sup't/Opr
	Dan Sessler	Sessler	Opr
IV.	Equipment On-site		
• •	Description Description	Model/Type	Qty
	Excavator	Kobelco Mark IV, SK 300	1
	Excavator	Komatsu PC300	
	R/T Loader	Cat 930G	

#### V. Materials: Moved, Delivered to, or Removed from the Jobsite

<b>Quantity Today</b>	Material Removed/Delivered	<b>Cumulative Quantity on</b>	Source	Hauler
		Site		
3 lds, 300 cy	Mulch	16 lds, 1600 cy	Henrietta	Ricelli
			development	
~32 loads; 24	Sand	~93 loads; 71 tandem, 22	Junius sand pit	Dendis
tandem, 8 trlr		trlr - est 1549 cy		

Case 1594 Tractor w/Rhino Brush Hog

Cat D5 - brought by Ricelli

#### VI. QUANTITIES EXCAVATED

Tractor w/Brush Hog

Dozer

	Debris Pile/Biowall Designation	Cumulative Quantity for Job	Final Disposition
200lf	C2	200lf	
519cy	C2	519cy	

9-6-06 Page 13 of 78

	Debris Pile/Biowall Designation	Cumulative Quantity for Job
200lf	C2	200lf
519cy	C2	519cy

#### VIII. Trench Depth

C2 Station	Depth (ft)
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

		Time/duration
<u>Name</u>	Company/Organization	of Visit
Craig Sessler	Sessler	1400-1600
Tom Battaglia	USACE	1400-1415

## XIII. Health and Safety (see Tailgate Meeting Safety Attendance Log)

Accidents Reported Today:	0
Accidents to Date:	0
Days On-Site	9

#### XIV. Photo Documentation

Looking north along C2 trench.



9-6-06 Page 14 of 78

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

#### $\textbf{I.} \quad \textbf{XI. Narrative of Work Performed} \ (including \ \underline{problems \ encountered} \ and \ \underline{corrective \ actions} \ taken):$

Rec'd 4 - 100cy loads of mulch. Rec'd 31 - 100cy loads of mulch. Rec'd 31 - 100cy loads 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 trenchs; continue with open cut method.

. 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

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	<b>Cumulative Quantity on</b>	Source	Hauler
		Site		
4 lds, 400 cy	Mulch	20 lds, 2000 cy	Henrietta	Ricelli
			development	
~31 loads; 24	Sand	~124 loads; 95 tandem,	Junius sand pit	Dendis
tandem, 7 trlr		29 trlr - est 2,063 cy		
26,820lb	Soybean Oil	53,420lb: ~ 7,100gal	Sheppard Grain	Sheppard

#### VI. QUANTITIES EXCAVATED

	Debris Pile/Biowall Designation	Cumulative Quantity for Job	Final Disposition
335lf	C2	535lf	
744cy	C2	997cy	

9-7-06 Page 15 of 78

Quantity Today	Debris Pile/Biowall Designation	Cumulative Quantity for Job
335lf	C2	535lf
744cy	C2	997cy

#### VIII. Trench Depth

8	men zepen			
	C2 Station	Depth (ft)	C2 Station	Depth (ft)
	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

		Time/duration
Name	Company/Organization	of Visit
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



9-7-06 Page 16 of 78

Mulch/Sand Mixture in Trench



C2 trench spoils. Note the shale removed to get to bedrock.



9-7-06 Page 17 of 78

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

#### $\textbf{I.} \quad \textbf{XI. Narrative of Work Performed} \ \ (\text{including } \underline{\text{problems encountered}} \ \text{and} \ \underline{\text{corrective actions}} \ \text{taken}):$

Rec'd 2 - 100cy loads of mulch. Started mixing 900cy mulch with sand. Used R/T loader to load  $\sim$ 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.	<b>Equipment On-site</b>		
	<u>Description</u>	Model/Type	Qty
	Excavator	Kobelco Mark IV, SK 300	1
	Excavator	Komatsu PC300	1
	R/T Loader	Cat 930G	1

#### V. Materials: Moved, Delivered to, or Removed from the Jobsite

Quantity Today	Material Removed/Delivered	<b>Cumulative Quantity on</b>	Source	Hauler
		Site		
2 lds, 400 cy	Mulch	22 lds, 2200 cy	Henrietta	Ricelli
			development	
None today	Sand	~124 loads; 95 tandem,	Junius sand pit	Dendis
		29 trlr - est 2,063 cy		
None today	Soybean Oil	53,420lb: ~ 7,100gal	Sheppard Grain	Sheppard

## VI. QUANTITIES EXCAVATED

	Debris Pile/Biowall Designation	Cumulative Quantity for Job	Final Disposition
0	C2	535lf, 997cy	

Quantity Today	Debris Pile/Biowall	<b>Cumulative Quantity for</b>
	Designation	Job
0	C2	535lf, 997cy
0		0

## VIII. Trench Depth

C1 Station De	epth (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

Name Craig Sessler	Company/Organization Sessler	<u>Time/duration</u> of Visit 1000-1100

#### XIII. Health and Safety (see Tailgate Meeting Safety Attendance Log)

Accidents Reported Today:	0
Accidents to Date:	0
Days On-Site	11

#### XIV. Photo Documentation

Application of soybean oil to mulch.



9-8-06 Page 19 of 78

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

#### $\textbf{I.} \quad \textbf{XI. Narrative of Work Performed} \ \ (\text{including } \underline{\text{problems encountered}} \ \text{and} \ \underline{\text{corrective actions}} \ \text{taken}):$

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.

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	Oty
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	<b>Cumulative Quantity on</b>	Source	Hauler
		Site		
None today	Mulch	22 lds, 2200 cy	Henrietta	Ricelli
			development	
None today	Sand	~124 loads; 95 tandem,	Junius sand pit	Dendis
		29 trlr - est 2,063 cy		
None today	Soybean Oil	53,420lb: ~ 7,100gal	Sheppard Grain	Sheppard

#### VI. QUANTITIES EXCAVATED

	Debris Pile/Biowall Designation		Cumulative Quantity for Job	Final Disposition
Complete	C2		535lf, 997cy	
535lf, 917cy	35lf, 917cy C1		535lf, 897cy	

9-11-06 Page 20 of 78

Quantity Today	Debris Pile/Biowall	<b>Cumulative Quantity for</b>
	Designation	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

		Time/duration
<u>Name</u>	Company/Organization	of Visit
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.



9-11-06 Page 21 of 78

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

#### $\textbf{I.} \quad \textbf{XI. Narrative of Work Performed} \ (including \ \underline{problems \ encountered} \ and \ \underline{corrective \ actions} \ taken):$

Began excavating B1 at the north end of the pilot wall, heading north. Completed  $\sim$  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  $\sim$ 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
		<del></del> , - <del></del>
IV. Equipment On-site		
Description	Model/Type	Qty
Execution	Vahalaa Mark IV SV 200	<u>Qty</u> 1

#### V. Materials: Moved, Delivered to, or Removed from the Jobsite

Quantity Today	Material Removed/Delivered	Cumulative Quantity of	n Source	Hauler
		Site		
None today	Mulch	22 lds, 2200 cy	Henrietta	Ricelli
			development	
None today	Sand	~124 loads; 95 tandem,	Junius sand pit	Dendis
		29 trlr - est 2,063 cy	_	
None today	Soybean Oil	53,420lb: ~ 7,100gal	Sheppard Grain	Sheppard

Komatsu PC300

Case 1594 Tractor w/Rhino Brush Hog

Cat 930G

#### VI. QUANTITIES EXCAVATED

Excavator

R/T Loader

Tractor w/Brush Hog

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	

9-12-06 Page 22 of 78

Quantity Today	Debris Pile/Biowall	<b>Cumulative Quantity for</b>
	Designation	Job
Complete	C2	535lf, 997cy
Complete	C1	535lf, 897cy
220lf, 491cy	B1	220lf, 491cy

#### VIII. Trench Depth

B1 Station Depth (ft) B1 Stati	ion 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>	Company/Organization	of Visit	
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)

Accidents Reported Today:	0
Accidents to Date:	0
Days On-Site	13

#### XIV. Photo Documentation

Mowing brush at north end of B1/B2.



9-12-06 Page 23 of 78

Time/duration

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

## $\textbf{I.} \quad \textbf{XI. Narrative of Work Performed} \ (including \ \underline{problems \ encountered} \ and \ \underline{corrective \ actions} \ taken):$

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:

ш	Personnel On-site		
111.	Name	Company/Organization	Role
	Dan Hoffner	Parsons	CM
	Dan Sessler	Sessler	Opr
	Garry Henninger	Sessier	Opr
			<u> </u>
			<del></del>
IV.	<b>Equipment On-site</b>		
	Description	Model/Type	Qty
	Excavator	Kobelco Mark IV, SK 300	1

#### V. Materials: Moved, Delivered to, or Removed from the Jobsite

Quantity Today	Material Removed/Delivered	<b>Cumulative Quantity on</b>	Source	Hauler
		Site		
51ds, 500cy	Mulch	27 lds, 2700 cy	Henrietta	Ricelli
		· ·	development	
None today	Sand	~124 loads; 95 tandem,	Junius sand pit	Dendis
		29 trlr - est 2,063 cy		
None today	Soybean Oil	53,420lb: ~ 7,100gal	Sheppard Grain	Sheppard
2lds, 120cy	Topsoil (fine mulch)	2 lds, 120cy	Clifton Recycling	Clifton

Komatsu PC300

Case 1594 Tractor w/Rhino Brush Hog

Cat 930G

#### VI. QUANTITIES EXCAVATED

None today

Excavator

R/T Loader

Tractor w/Brush Hog

None today.			
Quantity Today	Debris Pile/Biowall	<b>Cumulative Quantity for</b>	Final Disposition
	Designation	Job	
0	B1	220lf, 491cy	

9-13-06 Page 24 of 78

## VII. QUANTITIES BACKFILLED

None today.

Quantity Today	Debris Pile/Biowall		<b>Cumulative Quantity for</b>
	Designation		Job
0	B1		220lf, 491cy
0	C	)	0

VIII. Trench Depth

<b>B1</b> 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

		Time/duration
Name	Company/Organization	of Visit
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.

9-13-06 Page 25 of 78

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

## $\textbf{I.} \quad \textbf{XI. Narrative of Work Performed} \ (including \ \underline{problems \ encountered} \ and \ \underline{corrective \ actions} \ taken):$

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		
<u>Name</u>	Company/Organization	Role
Dan Hoffner	Parsons	CM
Dan Sessler	Sessler	Opr
-		
IV. Equipment On-site		
<u>Description</u>	Model/Type	<u>Qty</u>
Excavator	Kobelco Mark IV, SK 300	1
Excavator	Komatsu PC300	1
R/T Loader	Cat 930G	1

#### V. Materials: Moved, Delivered to, or Removed from the Jobsite

Quantity Today	Material Removed/Delivered	Cumulativ	ve Quantity on	Source	Hauler
			Site		
5, 100cy lds & 2 60 cy lds	Mulch	34 lds, 332		Ricelli & Clifton Recycling	Ricelli
None today	Sand	~124 loads 29 trlr - est	*	Junius sand pit	Dendis
27,180lb, 3233gal	Soybean Oil	80,600lb: ~	· 10,333gal	Sheppard Grain	Sheppard
None today	Topsoil	2 lds, 120c	y	Clifton Recycling	Clifton

Case 1594 Tractor w/Rhino Brush Hog

#### VI. QUANTITIES EXCAVATED

None today.

Tractor w/Brush Hog

Quantity Today	Debris Pile/Biowall Designation	Cumulative Quantity for Job	Final Disposition
0	B1	220lf, 491cy	

9-14-06 Page 26 of 78

## VII. QUANTITIES BACKFILLED

None today.

Quantity Today	Debris Pile/Biowall		<b>Cumulative Quantity for</b>
	Designation		Job
0	B1		220lf, 491cy
0	C	)	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

Name Steve Absolom	Company/Organization SEDA	Time/duration of Visit 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.

9-14-06 Page 27 of 78

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

#### $\textbf{I.} \quad \textbf{XI. Narrative of Work Performed} \ (including \ \underline{problems \ encountered} \ and \ \underline{corrective \ actions} \ taken):$

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 trenchs.

#### 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
			<u> </u>
IV.	Equipment On-site		

Model/Type

Cat 930G

Komatsu PC300

Kobelco Mark IV, SK 300

Case 1594 Tractor w/Rhino Brush Hog

#### 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.

Description

Excavator Excavator

R/T Loader

Tractor w/Brush Hog

Quantity Today	Debris Pile/Biowall Designation	Cumulative Quantity for Job	Final Disposition
0	B1	220lf, 491cy	

9-15-06 Page 28 of 78

Qty

None today.

Quantity Today	Debris Pile/Biowall	<b>Cumulative Quantity for</b>
	Designation	Job
0	B1	220lf, 491cy
0	0	0
	·	·

#### VIII. Trench Depth

<b>B1</b> 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

Name	Company/Organization	Time/duration of Visit

#### 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.



9-15-06 Page 29 of 78

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

#### $\textbf{I.} \quad \textbf{XI. Narrative of Work Performed} \ \ (\text{including } \underline{\text{problems encountered}} \ \text{and} \ \underline{\text{corrective actions}} \ \text{taken}):$

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:

ш.	Personnel	On-site
	3.7	

Name	Company/Organization	Role
Dan Hoffner	Parsons	CM
Dan Sessler	Sessler	Opr
Gary Henninger	Sessler	Opr
Bendan Barek-Olmstead	Parsons	Eng

## IV. Equipment On-site

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	<b>Cumulative Quantity on</b>	Source	Hauler
		Site		
5, 100cy lds	Mulch	44 lds, 4320 cy	Ricelli	Ricelli
None today	Sand	~124 loads; 95 tandem,	Junius sand pit	Dendis
		29 trlr - est 2,063 cy		
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.

	Debris Pile/Biowall Designation	Cumulative Quantity for Job	Final Disposition
135lf, 633cy	B1/B2	355lf, 1124cy	

9-18-06 Page 30 of 78

#### VII. QUANTITIES BACKFILLED

Quantity Today	Debris Pile/Biowall	<b>Cumulative Quantity for</b>
	Designation	Job
135lf, 633cy	B1/B2	355lf, 1124cy
0	C	0

#### VIII. Trench Depth

<b>B1</b> Station	Depth (ft)	B1 Station	Depth (ft)
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 is at the pilot wall go	ing north
0+200	10'6"		
0+250	16'0"		

#### IX. Samples Collected:

**Mulch Testing:** 

None today.

#### XII. Visitors On-site

Name Steve Absolom	Company/Organization SEDA	Time/duration of Visit 1500-1600

XIII. Health and Safety (see Tailgate Meeting Safety Attendance Log)

Accidents Reported Today:	0
Accidents to Date:	0
Days On-Site	17

#### XIV. Photo Documentation

No photos today.

9-18-06 Page 31 of 78

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

#### $\textbf{I.} \quad \textbf{XI. Narrative of Work Performed} \ (including \ \underline{problems \ encountered} \ and \ \underline{corrective \ actions} \ taken):$

 $Rec'd\ 5\ loads\ of\ mulch.\ Rec'd\ 32\ lds\ sand.\ Rec'd\ 4569\ gal\ soybean\ oil.\ Finished\ excavating\ \&\ backfilling\ B1/B2\ north\ of\ the\ pilot\ wall.$ 

#### II. Verbal discussions/Instructions:

Discussed constructing a single double wide (i.e. 6'wide) trench for the remaining trenchs (A1/A2 & the southern B1/B2 trenchs. Discussed single trench plan with Steve Absolom.

TTT	Damagna	O:4-
III.	Personnel	On-site

CM Opr
Opr
Opr
Eng
Sup't/Opr

IV.	Equi	pment	On-site

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	Source	Hauler
		Site		
5, 100cy lds	Mulch	49 lds, 4820 cy	Ricelli	Ricelli
32lds	Sand	~156 loads; 119 tandem,	Junius sand pit	Dendis
		37 trlr - est 2,599 cy		
35,640lb, 4569	Soybean Oil	116,240lb: ~ 14,902gal	Sheppard Grain	Sheppard
gal				
None today	Topsoil	2 lds, 120cy	Clifton Recycling	Clifton

## VI. QUANTITIES EXCAVATED

See trench log for total quantities.

	Debris Pile/Biowall Designation	Cumulative Quantity for Job	Final Disposition
225lf, 665cy	B2	225lf, 665cy	

9-19-06 Page 32 of 78

	Debris Pile/Biowall Designation	Cumulative Quantity for Job
225lf, 665cy	B2	225lf, 665cy
0	0	0

#### VIII. Trench Depth

<b>B2</b> 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 is at the pilot wall go	ing north
0+200	11'6"		
0+225	11'6"		

## IX. Samples Collected:

Mulch Testing:

None today.

#### XII. Visitors On-site

		Time/duration
<u>Name</u>	Company/Organization	of Visit
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.



9-19-06 Page 33 of 78

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

#### $\textbf{I.} \quad \textbf{XI. Narrative of Work Performed} \ (including \ \underline{problems \ encountered} \ and \ \underline{corrective \ actions} \ taken):$

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 Barek-Olmstead	Parsons	Eng
Chris Shaffer	Sessler	Sup't/Opr
IV. Equipment On-site	W 115	
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	

9-20-06 Page 34 of 78

	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

Name	Company/Organization	Time/duration of Visit

XIII. Health and Safety (see Tailgate Meeting Safety Attendance Log)

Accidents Reported Today:	0
Accidents to Date:	0
Days On-Site	19

#### XIV. Photo Documentation

Trench A1/A2 looking south.



9-20-06 Page 35 of 78

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

#### $\textbf{I.} \quad \textbf{XI. Narrative of Work Performed} \ (including \ \underline{problems \ encountered} \ and \ \underline{corrective \ actions} \ taken):$

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 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

#### 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

Case 1594 Tractor w/Rhino Brush Hog

## VI. QUANTITIES EXCAVATED

Tractor w/Brush Hog

See trench log for total quantities.

	Debris Pile/Biowall Designation	Cumulative Quantity for Job	Final Disposition
375lf, 1462cy	A1/A2	375lf, 1462cy	

9-21-06 Page 36 of 78

Not used

Quantity Today	Debris Pile/Biowall	<b>Cumulative Quantity for</b>
	Designation	Job
375lf, 1462cy	A1/A2	375lf, 1462cy

#### VIII. Trench Depth

A1/A2 Stat	ion 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

		Time/duration
Name	Company/Organization	of Visit
Steve Absolom	SEDA	1430-1530
2 men from Water dept.	Town of Romulus	1230-1300

#### XIII. Health and Safety (see Tailgate Meeting Safety Attendance Log)

Accidents Reported Today:	0
Accidents to Date:	0
Days On-Site	20

#### XIV. Photo Documentation

Water line at A1/A2 trench.



9-21-06 Page 37 of 78

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

#### $\textbf{I.} \quad \textbf{XI. Narrative of Work Performed} \ \ (\text{including } \underline{\text{problems encountered}} \ \text{and} \ \underline{\text{corrective actions}} \ \text{taken}):$

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:

		-	_	
ш	Person	nnal	Mn.	.cita

Name	Company/Organization	Role
Dan Hoffner	Parsons	CM
Dan Sessler	Sessler	Opr
Gary Henninger	Sessler	Opr
Chris Shaffer	Sessler	Sup't/Opr
- Ching Bharrer	Bessiei	Sup tropi

#### IV. Equipment On-site

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	<b>Cumulative Quantity on</b>	Source	Hauler
		Site		
None today	Mulch	49 lds, 4820 cy	Ricelli	Ricelli
None today	Sand	~190 loads; 140 tandem,	Junius sand pit	Dendis
		50 trlr - est 3,200 cy		
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	
315lf, 583cy	B2	315lf, 583cy	

9-22-06 Page 38 of 78

#### VII. QUANTITIES BACKFILLED

Quantity Today	Debris Pile/Biowall	<b>Cumulative Quantity for</b>
	Designation	Job
175f, 259cy	B1	175f, 259cy
315lf, 583cy	B2	315lf, 583cy

Quantity Sun	ımarv
--------------	-------

ity Summing		
<u>Trench</u>	Length (lf)	Volume (cy)
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

chen Depth			
<b>B1</b> Station	Depth (ft)	B2 Station	Depth (ft)
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

Name	Company/Organization	Time/duration of Visit

#### 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.

9-22-06 Page 39 of 78

JOB NAME	Ash Landfill Full Scale RA	DATE	Monday, Sep 25, 2006
CONTRACT	FA8903-04-D-8675 - AFCEE	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

## $\textbf{I.} \quad \textbf{XI.} \ \ \textbf{Narrative of Work Performed} \ (\text{including } \underline{\text{problems encountered}} \ \text{and} \ \underline{\text{corrective actions}} \ \text{taken}) :$

Hauling C1/C2 trench spoils to the NCLF. Moved  $\sim 900$ cy 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 treenhs 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 Barek-Olmstead	Parsons	Eng
		<u> </u>

#### IV. Equipment On-site

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	Source	Hauler
		Site		
3 lds, 300cy	Mulch	52 lds, 5,120 cy	Ricelli	Ricelli
12lds	Sand	~202 loads; 149 tandem,	Junius sand pit	Dendis
		53 trlr - est 3,401 cy		
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.

<b>Quantity Today</b>	Debris Pile/Biowall	<b>Cumulative Quantity for</b>	Final Disposition
	Designation	Job	
0	B1/B2 (N)	135f, 633cy	
0	B1 (N) & B2 (N)	445lf, 1,156cy	
0	C1/C2	1,070lf, 1,894cy	NCLF cover
0	A1/A2	375lf, 1,462cy	
0	B1 (S) & B2 (S)	490lf, 843cy	

#### VII. QUANTITIES BACKFILLED

Quantity Today	Debris Pile/Biowall Designation	Cumulative Quantity for Job
C	B1/B2 (N)	135f, 633cy
0	B1 (N) & B2 (N)	445lf, 1,156cy
C	C1/C2	1,070lf, 1,894cy
0	A1/A2	375lf, 1,462cy
0	B1 (S) & B2 (S)	490lf, 843cy

9-25-06 Page 40 of 78

#### **Quantity Summary**

<u>Trench</u>	Length (lf)	Volume (cy)
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

B1 Station	Depth (ft)	B2 Station	Depth (ft)
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

Company/Organization	Visit
Sessler	0800-0900
SEDA	1330-1430
	Sessler

## XIII. Health and Safety (see Tailgate Meeting Safety Attendance Log)

Accidents Reported Today:	0
Accidents to Date:	0
Days On-Site	22

## XIV. Photo Documentation

Placing fill on the Non-Combustible Landfill.



Page 41 of 78 9-25-06

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

#### $\textbf{I.} \quad \textbf{XI. Narrative of Work Performed} \ (\text{including} \ \underline{\text{problems encountered}} \ \text{and} \ \underline{\text{corrective actions}} \ \text{taken}) :$

Finished hauling C1/C2 trench spoils to the NCLF. Moved  $\sim$  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

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

<b>Quantity Today</b>	Material Removed/Delivered	Cumulative Quantity on	Source	Hauler
		Site		
None today	Mulch	52 lds, 5,120 cy	Ricelli	Ricelli
None today	Sand	~202 loads; 149 tandem,	Junius sand pit	Dendis
		53 trlr - est 3,401 cy		
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.

<b>Quantity Today</b>	Debris Pile/Biowall	<b>Cumulative Quantity for</b>	Final Disposition
	Designation	Job	
0	B1/B2 (N)	135f, 633cy	
0	B1 (N) & B2 (N)	445lf, 1,156cy	
0	C1/C2	1,070lf, 1,894cy	NCLF cover
0	A1/A2	375lf, 1,462cy	
0	B1 (S) & B2 (S)	490lf, 843cy	

#### VII. QUANTITIES BACKFILLED

Quantity Today	Debris Pile/Biowall Designation	Cumulative Quantity for Job
C	B1/B2 (N)	135f, 633cy
0	B1 (N) & B2 (N)	445lf, 1,156cy
C	C1/C2	1,070lf, 1,894cy
0	A1/A2	375lf, 1,462cy
0	B1 (S) & B2 (S)	490lf, 843cy

9-26-06 Page 42 of 78

Ouar	.+:+	Cum	mom

Trench	Length (lf)	Volume (cy)
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

B1 Station	Depth (ft)	B2 Station	Depth (ft)
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

		Time/duration of
<u>Name</u>	Company/Organization	<u>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)

Accidents Reported Today:	0
Accidents to Date:	0
Days On-Site	23

### XIV. Photo Documentation

None today.

9-26-06 Page 43 of 78

JOB NAME	Ash Landfill Full Scale RA	DATE	Wednesday, Sep 27, 2006
CONTRACT	FA8903-04-D-8675 - AFCEE	REPORT NO.	24
PROJECT	Seneca PBC 1	WEATHER	Sunny
JOB#	744538-02100	TEMPERATURE	55°-70°
CLIENT	Seneca Army Depot Activity	TIME/HRS	0700 - 1730

### $\textbf{I.} \quad \textbf{XI. Narrative of Work Performed} \ (\text{including} \ \underline{\text{problems encountered}} \ \text{and} \ \underline{\text{corrective actions}} \ \text{taken}) :$

Hauling B1/B2 (N) trench spoils to the NCLF. Moved  $\sim 800 \text{cy}$  of B1/B2 spoils and placed on the NCLF. Mulch mixing - 3 100 cy piles. Excavated and backfilled 25lf of C1 & 25lf of C2 (north sections). Excavated and backfilled 155lf of B1. All trenchs 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

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	Cumulative Quantity for	Final Disposition
	Designation	Job	
Complete	B1/B2 (N)	135f, 633cy	NCLF cover
Complete	B1 (N) & B2 (N)	445lf, 1,133cy	
50lf, 58cy	C1/C2	1,120lf, 1,936cy	NCLF cover
Complete	A1/A2	375lf, 1,462cy	
155lf, 287cy	B1 (S) & B2 (S)	645lf, 1,072cy	

### VII. QUANTITIES BACKFILLED

Quantity Today	Debris Pile/Biowall	<b>Cumulative Quantity for</b>
	Designation	Job
Complete	B1/B2 (N)	135f, 633cy
Complete	B1 (N) & B2 (N)	445lf, 1,133cy
50lf, 58cy	C1/C2	1,120lf, 1,936cy
Complete	A1/A2	375lf, 1,462cy
155lf, 287cy	B1 (S) & B2 (S)	645lf, 1,072cy

9-27-06 Page 44 of 78

Quantity Sur
--------------

Trench	Length (lf)	Volume (cy)
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

B1 Station	Depth (ft)	B2 Station	Depth (ft)
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 v	w 10')'	0+315 (pilot wall)	10'0"

# IX. Samples Collected : Mulch Testing:

None today.

### XII. Visitors On-site

Name Vern Sessler	Company/Organization Sessler	Time/duration of Visit 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.

9-27-06 Page 45 of 78

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

### $\textbf{I.} \quad \textbf{XI. Narrative of Work Performed} \ (\text{including} \ \underline{\text{problems encountered}} \ \text{and} \ \underline{\text{corrective actions}} \ \text{taken}) :$

Hauling B1/B2 trench spoils to the NCLF. Moved  $\sim 500$ cy. Total trench spoils placed on NCLF  $\sim 3,100$ cy. 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't/Opr
Gary Henninger	Sessler	Opr
Ray Slayton	Sessler	Opr
Steve Lanning	Sessler	Opr

### IV. Equipment On-site

Model/Type	Qty
Kobelco Mark IV, SK 300	1
Komatsu PC340	1
Cat 930G	1
Case 1594 Tractor w/Rhino Brush Hog	Not used
Cat D6R LGP	1
Volvo	1
Mack	1
	Kobelco Mark IV, SK 300  Komatsu PC340  Cat 930G  Case 1594 Tractor w/Rhino Brush Hog  Cat D6R LGP  Volvo

### 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	Cumulative Quantity for	Final Disposition
	Designation	Job	
Complete	B1/B2 (N)	135f, 633cy	NCLF cover
Complete	B1 (N) & B2 (N)	445lf, 1,156cy	
Complete	C1/C2	1,120lf, 1,936cy	NCLF cover
Complete	A1/A2	375lf, 1,462cy	
Complete	B1 (S) & B2 (S)	645lf, 1,072cy	

### VII. QUANTITIES BACKFILLED

Quantity Today	Debris Pile/Biowall Designation	Cumulative Quantity for Job
	Designation	100
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

9-28-06 Page 46 of 78

Quantity	Summar
----------	--------

Trench	Length (lf)	Volume (cy)
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

		Time/duration of
<u>Name</u>	Company/Organization	Visit
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.

9-28-06 Page 47 of 78

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

### $\textbf{I.} \quad \textbf{XI. Narrative of Work Performed} \ (\text{including} \ \underline{\text{problems encountered}} \ \text{and} \ \underline{\text{corrective actions}} \ \text{taken}) :$

Hauling B1/B2 trench spoils to the NCLF. Moved  $\sim 500$ cy. Total trench spoils placed on NCLF  $\sim 3,600$ cy. 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

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	<b>Cumulative Quantity on</b>	Source	Hauler
		Site		
Complete	Mulch	52 lds, 5,120 cy	Ricelli	Ricelli
Complete	Sand		Junius sand pit	Dendis
		53 trlr - est 3,401 cy		
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	Cumulative Quantity for	Final Disposition
	Designation	Job	
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	Cumulative Quantity for
	Designation	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

10-2-06 Page 48 of 78

**Quantity Summary** 

arrerey Summing		
Trench	Length (lf)	Volume (cy)
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

		Time/duration of
Name	Company/Organization	<u>Visit</u>
Steve Absolom	SEDA	1000-1030
Craig Sessler	Sessler	1500-1630

### $XIII. \ Health \ and \ Safety \ (see \ Tailgate \ Meeting \ Safety \ Attendance \ Log)$

Accidents Reported Today:	0
Accidents to Date:	0
Days On-Site	26

### XIV. Photo Documentation

NCLF looking west. Note the grade stakes with ribbon tied at 12".



10-2-06 Page 49 of 78

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

### $\textbf{I.} \quad \textbf{XI. Narrative of Work Performed} \ (\text{including} \ \underline{\text{problems encountered}} \ \text{and} \ \underline{\text{corrective actions}} \ \text{taken}) :$

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

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 Quant	ity on Source	Hauler
		Site		
Complete	Mulch	52 lds, 5,120 cy	Ricelli	Ricelli
Complete	Sand	~202 loads ; 149 tand	dem, Junius sand pit	Dendis
		53 trlr - est 3,401 cy		
Complete	Soybean Oil	121,660lb: ~ 15,596g	gal 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	Cumulative Quantity for	Final Disposition
	Designation	Job	
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	Cumulative Quantity for
	Designation	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

10-3-06 Page 50 of 78

**Quantity Summary** 

Trench	Length (lf)	Volume (cy)
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

Name	Company/Organization	Time/duration of <u>Visit</u>

XIII. Health and Safety (see Tailgate Meeting Safety Attendance Log)

Accidents Reported Today:	0
Accidents to Date:	0
Days On-Site	27

### XIV. Photo Documentation

Spreading mulch on Ash Landfill as 1st layer of cover.



10-3-06 Page 51 of 78

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

### $\textbf{I.} \quad \textbf{XI. Narrative of Work Performed} \ (\text{including} \ \underline{\text{problems encountered}} \ \text{and} \ \underline{\text{corrective actions}} \ \text{taken}) :$

Finish placing 8" layer of trench spoils on Ash Landfill. Placed  $\sim$ 2,700cy of trench spoils & 720 cy of mulch in total. Both the NCLF & the Ash LF are now ready for topsoil - awating receipt of chemical analysis.

### II. Verbal discussions/Instructions:

III.	Personnel On-site
	Name

<u>Name</u> Dan Hoffner	Company/Organization	<u>Role</u>
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

Quantity Today	Material Removed/Delivered	Cumulative Quantity on	Source	Hauler
		Site		
Complete	Mulch	52 lds, 5,120 cy	Ricelli	Ricelli
Complete	Sand	~202 loads; 149 tandem,	Junius sand pit	Dendis
		53 trlr - est 3,401 cy		
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	Cumulative Quantity for	Final Disposition
	Designation	Job	
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		Cumulative Quantity for
	Designation	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, 1.072cv

10-4-06 Page 52 of 78

Quantity	Summary
----------	---------

Trench	Length (lf)	Volume (cy)
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

		Time/duration of
Name	Company/Organization	<u>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	28

### XIV. Photo Documentation

None today.

10-4-06 Page 53 of 78

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

# $\textbf{I.} \quad \textbf{XI. Narrative of Work Performed} \ (\text{including } \ \underline{problems \ encountered} \ \text{and} \ \underline{corrective \ actions} \ taken) :$

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

IV.

Name	Company/Organization	Role
Dan Hoffner	Parsons	CM
Dan Sessler	Sessler	Sup't/Opr
Gary Henninger	Sessler	Opr
Bendan Barek-Olmstead	Parsons	Eng
		_
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	Cumulative Quantity for	Final Disposition
	Designation	Job	
~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)	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	<b>Cumulative Quantity for</b>
	Designation	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

10-9-06 Page 54 of 78

# VIII. Trench Depth See trench log.

# IX. Samples Collected : Mulch Testing: None today.

### XII. Visitors On-site

Nama	Company/Organization	Time/duration of Visit
		0800-0830
	<u>Name</u> Craig Sessler	

### 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.



10-9-06 Page 55 of 78

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

# $\textbf{I.} \quad \textbf{XI. Narrative of Work Performed} \ (\text{including } \ \underline{problems \ encountered} \ \text{and} \ \underline{corrective \ actions} \ taken) :$

Excavated the E Debris Pile (SEAD-14). Removed ~400cy. Continued topsoil delivery & placement on the NCLF. Topsoil is  $\sim 1/2$  complete on the NCLF.

### II. Verbal discussions/Instructions:

### III. Personnel On-site

111.	N.	0 10 : ::	D 1
	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	Source	Hauler
		Site		
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,	Junius sand pit	Dendis
		53 trlr - est 3,401 cy		
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	Cumulative Quantity f	or Final Disposition
	Designation	Job	
~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)	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	Cumulative Quantity for
	Designation	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

10-10-06 Page 56 of 78

# VIII. Trench Depth See trench log.

# IX. Samples Collected : Mulch Testing: None today.

### XII. Visitors On-site

1.	Visitors On-site		Time/duration
	Name	Company/Organization	of Visit
	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.



10-10-06 Page 57 of 78

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

### $\textbf{I.} \quad \textbf{XI. Narrative of Work Performed} \ (\text{including} \ \underline{\text{problems encountered}} \ \text{and} \ \underline{\text{corrective actions}} \ \text{taken}) :$

Continued excavating the E Debris Pile (SEAD-14). Removed  $\sim$ 300cy,  $\sim$ 3/4 complete. Continued topsoil delivery & placement on the Ash LF & the NCLF. Topsoil is complete on the Ash LF &  $\sim$  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

111.	rersonner 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 or	Source	Hauler
		Site		
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,	Junius sand pit	Dendis
		53 trlr - est 3,401 cy		
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	Cumulative Quantity f	or Final Disposition
	Designation	Job	
~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)	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	Cumulative Quantity for
	Designation	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

10-11-06 Page 58 of 78

# VIII. Trench Depth See trench log.

# IX. Samples Collected : Mulch Testing: None today.

### XII. Visitors On-site

11.	Visitors On-Site		Time/duration
	<u>Name</u>	Company/Organization	of Visit
	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.



10-11-06 Page 59 of 78

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

### $\textbf{I.} \quad \textbf{XI. Narrative of Work Performed} \ (\text{including} \ \underline{\text{problems encountered}} \ \text{and} \ \underline{\text{corrective actions}} \ \text{taken}) :$

Continued excavating the E Debris Pile (SEAD-14). Removed  $\sim$ 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 trenchs. Discussed w/Dan Sessler general site cleanup including road sweeping.

#### III. Personnel On-site

111.	rersonner 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 or Site	n 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	Cumulative Quantity for	or Final Disposition
	Designation	Job	
~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)	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	<b>Cumulative Quantity for</b>
	Designation	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

10-12-06 Page 60 of 78

# VIII. Trench Depth See trench log.

# IX. Samples Collected : Mulch Testing: None today.

### XII. Visitors On-site

i. Visitors Oir-site		
		Time/duration
<u>Name</u>	Company/Organization	of Visit
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.



10-12-06 Page 61 of 78

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

### $\textbf{I.} \quad \textbf{XI. Narrative of Work Performed} \ (\text{including} \ \underline{\text{problems encountered}} \ \text{and} \ \underline{\text{corrective actions}} \ \text{taken}) :$

Finished East Debris Pile excavation (SEAD-14). Removed  $\sim 250 \, \mathrm{cy}$ . 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 trenchs. Smoothed the areas between the B & C trenchs (areas used for mixing). Seeded the Ash LF & NCLF and all affected areas ( $\sim 9$  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	- <del></del>
		1
Dozer	Case 850D	1
Dozer Skidsteer w/bucket & sweeper		$\frac{1}{1}$
	Case 850D	1 1 1
Skidsteer w/bucket & sweeper	Case 850D Bobcat	1 1 1 1
Skidsteer w/bucket & sweeper Tractor w/Disk	Case 850D Bobcat Case 1594 Tractor w/Finishing Disk	1 1 1 1 1 1

### 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	Cumulative Quantity for	r Final Disposition
	Designation	Job	
~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)	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	<b>Cumulative Quantity for</b>
	Designation	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

10-13-06 Page 62 of 78

# VIII. Trench Depth See trench log.

# IX. Samples Collected : Mulch Testing: None today.

XII. Visitors On-site

Time/duration of Visit 0830-0900 Company/Organization Sessler <u>Name</u> Craig Sessler

### 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.



10-13-06 Page 63 of 78

JOB NAME	Ash Landfill Full Scale RA	DA	ATE	Monday, Oct 16, 2006
CONTRACT	FA8903-04-D-8675 - AFCEE	RE	EPORT NO.	34
PROJECT	Seneca PBC 1	W	EATHER	Sunny
JOB #	744538-02100	TE	EMPERATURE	35°-50°
CLIENT	Seneca Army Depot Activity	TI	ME/HRS	0700 - 1600

ſ.	XI.	Narrative of	Work Po	erformed	(inclu	ding	problems	encountered	and	corrective	actions	taken)	):
----	-----	--------------	---------	----------	--------	------	----------	-------------	-----	------------	---------	--------	----

Consolidated the felled trees along the perimeter of the NCLF for grinding.

TT T	1 1	.1	/T	L 4 •
II. V	erbai	aiscussi	ons/insi	tructions:

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).

II.	Personnel On-site		
	Name	Company/Organization	Role
	Dan Hoffner	Parsons	CM
	Dan Sessler	Sessler	Sup't/Opr
v.	<b>Equipment On-site</b>		
	Description	Model/Type	Qty
	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
711	Visitors On-site		
.11.	Visitors On-site		Time/duration
	Name	Company/Organization	of Visit
			<del></del>

### 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.

10-16-06 Page 64 of 78

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

Ι.	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:

Personnel On-site		
<u>Name</u>	Company/Organization	<u>Role</u>
Dan Hoffner	Parsons	CM
Dan Sessler	Sessler	Sup't/Opr
Gary Henninger	Sessler	Opr
<b>Equipment On-site</b>		
Equipment On-site  Description	<u>Model/Type</u>	<u>Oty</u>
	Model/Type Kobelco Mark IV, SK 300	
<u>Description</u>		Not Used
<u>Description</u> Excavator	Kobelco Mark IV, SK 300	Not Used
Description Excavator Dozer	Kobelco Mark IV, SK 300 Case 850D	Not Used Not Used 1
Description Excavator Dozer Tree Grinder	Kobelco Mark IV, SK 300  Case 850D  Morbark Model 4600	Not Used Not Used 1 Not Used 1
Description Excavator Dozer Tree Grinder Tractor	Kobelco Mark IV, SK 300  Case 850D  Morbark Model 4600  Case 1594 Tractor  Cat D6R LGP  Volvo	Not Used Not Used 1 Not Used 1
Description Excavator Dozer Tree Grinder Tractor Dozer	Kobelco Mark IV, SK 300  Case 850D  Morbark Model 4600  Case 1594 Tractor  Cat D6R LGP	Not Used Not Used 1 Not Used 1
Description Excavator Dozer Tree Grinder Tractor Dozer Off-Road Dump Truck	Kobelco Mark IV, SK 300  Case 850D  Morbark Model 4600  Case 1594 Tractor  Cat D6R LGP  Volvo	Not Used Not Used  1 Not Used 1 Demob Tod
Description Excavator Dozer Tree Grinder Tractor Dozer Off-Road Dump Truck	Kobelco Mark IV, SK 300  Case 850D  Morbark Model 4600  Case 1594 Tractor  Cat D6R LGP  Volvo	Not Used Not Used  1 Not Used 1 Demob Tod
Description Excavator Dozer Tree Grinder Tractor Dozer Off-Road Dump Truck Excavator w/shear	Kobelco Mark IV, SK 300  Case 850D  Morbark Model 4600  Case 1594 Tractor  Cat D6R LGP  Volvo	Not Used Not Used 1 Not Used 1 Demob Tod
Description Excavator Dozer Tree Grinder Tractor Dozer Off-Road Dump Truck	Kobelco Mark IV, SK 300  Case 850D  Morbark Model 4600  Case 1594 Tractor  Cat D6R LGP  Volvo	Not Used  Not Used  1  Not Used  1  Demob Tod  1
Description Excavator Dozer Tree Grinder Tractor Dozer Off-Road Dump Truck Excavator w/shear	Kobelco Mark IV, SK 300  Case 850D  Morbark Model 4600  Case 1594 Tractor  Cat D6R LGP  Volvo  Komatsu PC400	Not Used  Not Used  1  Not Used  1  Demob Tod  1  Time/duratio
Description Excavator Dozer Tree Grinder Tractor Dozer Off-Road Dump Truck Excavator w/shear  Visitors On-site  Name	Kobelco Mark IV, SK 300  Case 850D  Morbark Model 4600  Case 1594 Tractor  Cat D6R LGP  Volvo  Komatsu PC400  Company/Organization	Not Used  Not Used  1  Not Used  1  Demob Tod  1  Time/duration of Visit
Description Excavator Dozer Tree Grinder Tractor Dozer Off-Road Dump Truck Excavator w/shear	Kobelco Mark IV, SK 300  Case 850D  Morbark Model 4600  Case 1594 Tractor  Cat D6R LGP  Volvo  Komatsu PC400	Not Used  Not Used  1  Not Used  1  Demob Tod  1  Time/duratio

10-17-06 Page 65 of 78

# 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.



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 Debis 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>	Company/Organization	Role
	Dan Hoffner	Parsons	CM
	Dan Sessler	Sessler	Sup't/Opr
	Gary Henninger	Sessler	Opr
IV.	<b>Equipment On-site</b>		
	<u>Description</u>	Model/Type	<u>Oty</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
	- T	W + DC400	
	Excavator w/shear	Komatsu PC400	1
XII.	Visitors On-site		
			Time/duration
	<u>Name</u>	Company/Organization	of Visit
	Craig Sessler	Sessler	0830-0930
	Steve Absolom	SEDA	0900-0930
	~ 8 people	Base Closure Team	0900-0930
	•		

10-18-06 Page 67 of 78

# 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.

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

Ι.	XI.	Narrative	of Work	Performed	(including	problems	encountered	and	corrective	actions	taken	)
----	-----	-----------	---------	-----------	------------	----------	-------------	-----	------------	---------	-------	---

Load, transport & dispose of Debris Pile material. Shipped 14 loads.

/erbal	discussions/	Instructions
	/erbal	/erbal discussions/

Ш.	Personnel	l On-site
----	-----------	-----------

<u>Name</u>	Company/Organization	<u>Role</u>
Ron Prohaska	Parsons	CM
Dan Sessler	Sessler	Sup't/Opr
		<u> </u>
·		
	<u> </u>	<u> </u>

# IV. Equipment On-site

<u>Description</u>	Model/Type	Qty
Excavator w/bucket	Kobelco Mark IV, SK 300	1
Dozer	Case 850D	Not Used
		<del></del>

# V. Materials: Moved, Delivered to, or Removed from the Jobsite

<b>Quantity Today</b>	Material Removed/Delivered	<b>Cumulative Quantity on</b>	Source	Hauler
		Site		
14lds, ~420 tons	Debris Piles	14lds, ~420 tons	to Seneca Meadows	Wecare

### VI. QUANTITIES EXCAVATED

See trench log for total quantities.

<b>Quantity Today</b>	Debris Pile/Biowall	<b>Cumulative Quantity for</b>	Final Disposition
	Designation	Job	
Complete	NW Debris Pile	~100cy	Seneca Meadows
Complete	SW Debris Pile	~100cy	Seneca Meadows
Complete	E Debris Pile	~1,200cy	Seneca Meadows

XII.	Vicitore	On-site

Name Chris Shaffer	Company/Organization Sessler	Time/duration of Visit 0700-0800

XIII. Health and Safety (see Tailgate Meeting Safety Attendance Log)

Accidents Reported Today:	0
Accidents to Date:	0
Days On-Site	37

### XIV. Photo Documentation

No photos today.

10-24-06 Page 70 of 78

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:

Ш.	Personnel	l On-site
----	-----------	-----------

<u>Name</u>	Company/Organization	<u>Role</u>
Ron Prohaska	Parsons	CM
Dan Sessler	Sessler	Sup't/Opr
		<u> </u>
·		
	<u> </u>	<u> </u>

# IV. Equipment On-site

Description Excavator w/bucket	Model/Type Kobelco Mark IV, SK 300	Oty 1
Dozer	Case 850D	Not Used

# V. Materials: Moved, Delivered to, or Removed from the Jobsite

<b>Quantity Today</b>	Material Removed/Delivered	<b>Cumulative Quantity on</b>	Source	Hauler
		Site		
13lds, ~390 tons	Debris Piles	27lds, ~810 tons	to Seneca Meadows	Wecare

# VI. QUANTITIES EXCAVATED

See trench log for total quantities.

<b>Quantity Today</b>	Debris Pile/Biowall	Cumulative Quantity for Final Dispo	
	Designation	Job	
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		Time/duration
	Name	Company/Organization	of Visit

XIII. Health and Safety (see Tailgate Meeting Safety Attendance Log)

Accidents Reported Today:	0
Accidents to Date:	0
Days On-Site	38

### XIV. Photo Documentation

No photos today.

10-25-06 Page 72 of 78

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

Ι.	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.	Perso	nnei	On-	site

Name	Company/Organization	Role
Ron Prohaska	Parsons	CM
Dan Sessler	Sessler	Sup't/Opr

# IV. Equipment On-site

Description Excavator w/bucket	Model/Type Kobelco Mark IV, SK 300	<u> </u>
Dozer	Case 850D	Not Used
		<del></del>

# V. Materials: Moved, Delivered to, or Removed from the Jobsite

<b>Quantity Today</b>	Material Removed/Delivered	<b>Cumulative Quantity on</b>	Source	Hauler
		Site		
12lds, ~360 tons	Debris Piles	39lds, ~1,700 tons	to Seneca Meadows	Wecare

### VI. QUANTITIES EXCAVATED

See trench log for total quantities.

<b>Quantity Today</b>	Debris Pile/Biowall	<b>Cumulative Quan</b>	tity for Final Disposition
	Designation	Job	
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		Time / James i au
<u>Name</u>	Company/Organization	Time/duration of Visit
		<u> </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.

10-26-06 Page 74 of 78

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.	Verhal	discussions	Instructions

III.	Personnel On-site		
	Name	Company/Organization	Role
	Ron Prohaska	Parsons	CM
	Dan Sessler	Sessler	Sup't/Opr
IV.	<b>Equipment On-site</b>		
	<u>Description</u> Excavator w/bucket	<u>Model/Type</u> Kobelco Mark IV, SK 300	<u>Oty</u> 1
	Dozer	Case 850D	Not Used

### V. Materials: Moved, Delivered to, or Removed from the Jobsite

<b>Quantity Today</b>	y Material Removed/Delivered		<b>Cumulative Quantity on</b>	Source	Hauler
			Site		
31ds, ~90 tons	Debris Piles		42lds, ~1,260 tons	to Seneca Meadows	Wecare

# VI. QUANTITIES EXCAVATED

See trench log for total quantities.

<b>Quantity Today</b>	Debris Pile/Biowall	<b>Cumulative Quant</b>	ity for Final Disposition
	Designation	Job	
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		Time/duration
	Name	Company/Organization	of Visit

XIII. Health and Safety (see Tailgate Meeting Safety Attendance Log)

Accidents Reported Today:	0
Accidents to Date:	0
Days On-Site	40

### XIV. Photo Documentation

No photos today.

10-27-06 Page 76 of 78

### **ORIGINAL MULCH MIX RATIO DATA**

OINIOINAL MOLOIT MIX NA	IIIO DAIA
Mulch	2,800 cy
Sand	<u>2,000</u> cy
Total Mat'ls	4,800 cy
Mixture	4,100 cy
Mulch Delivered Less Waste from Mixing Mulch in Trenchs	5,120 cy 420 cy 4,700 cy
Sand Delivered Less Waste from Mixing	3,401 cy 230 cy
Sand in Trenchs	3,171 cy
Trench size from notes	6,259 cy

# Appendix D

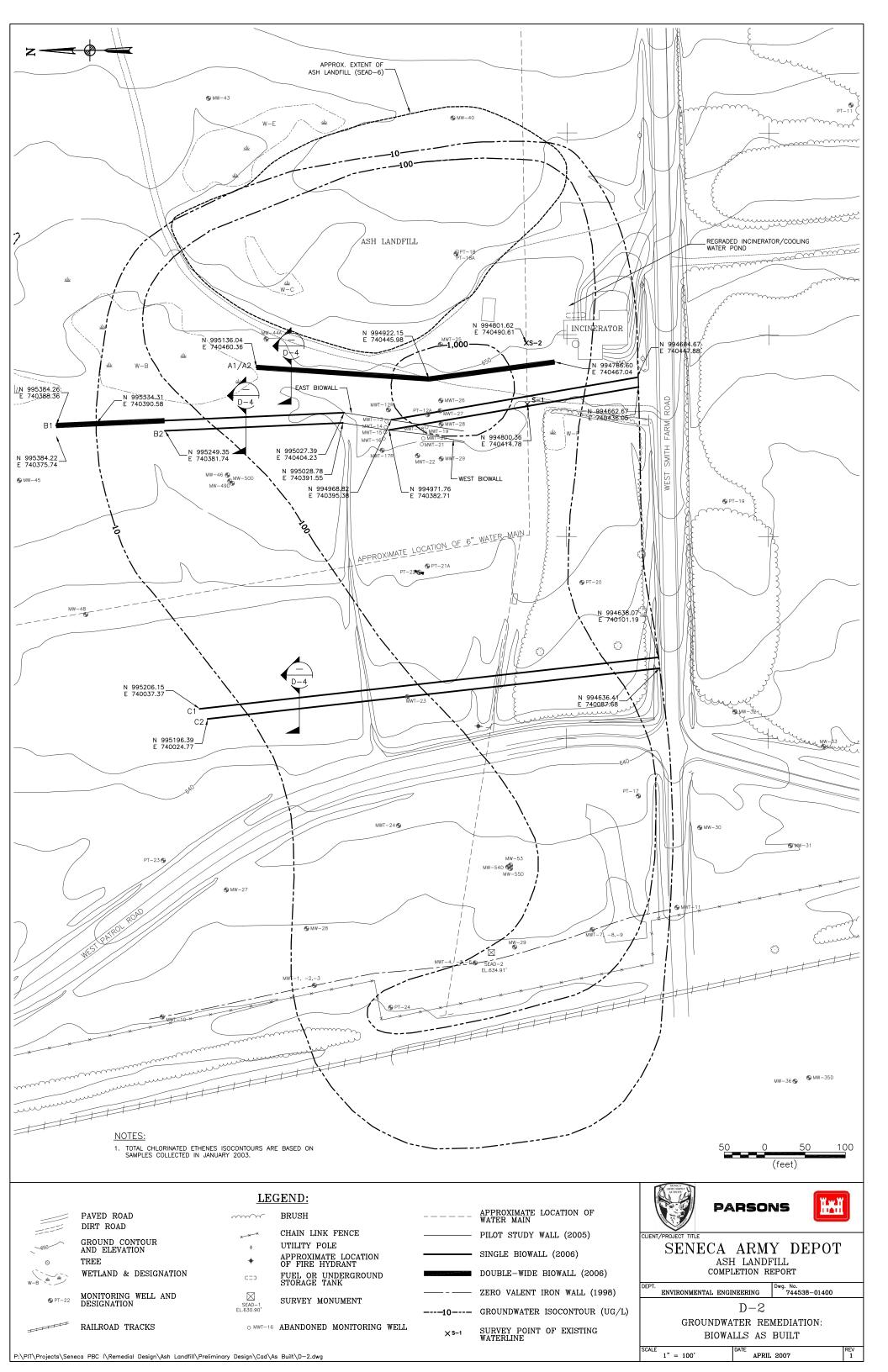
# **As-Built Record Tables & Drawings**

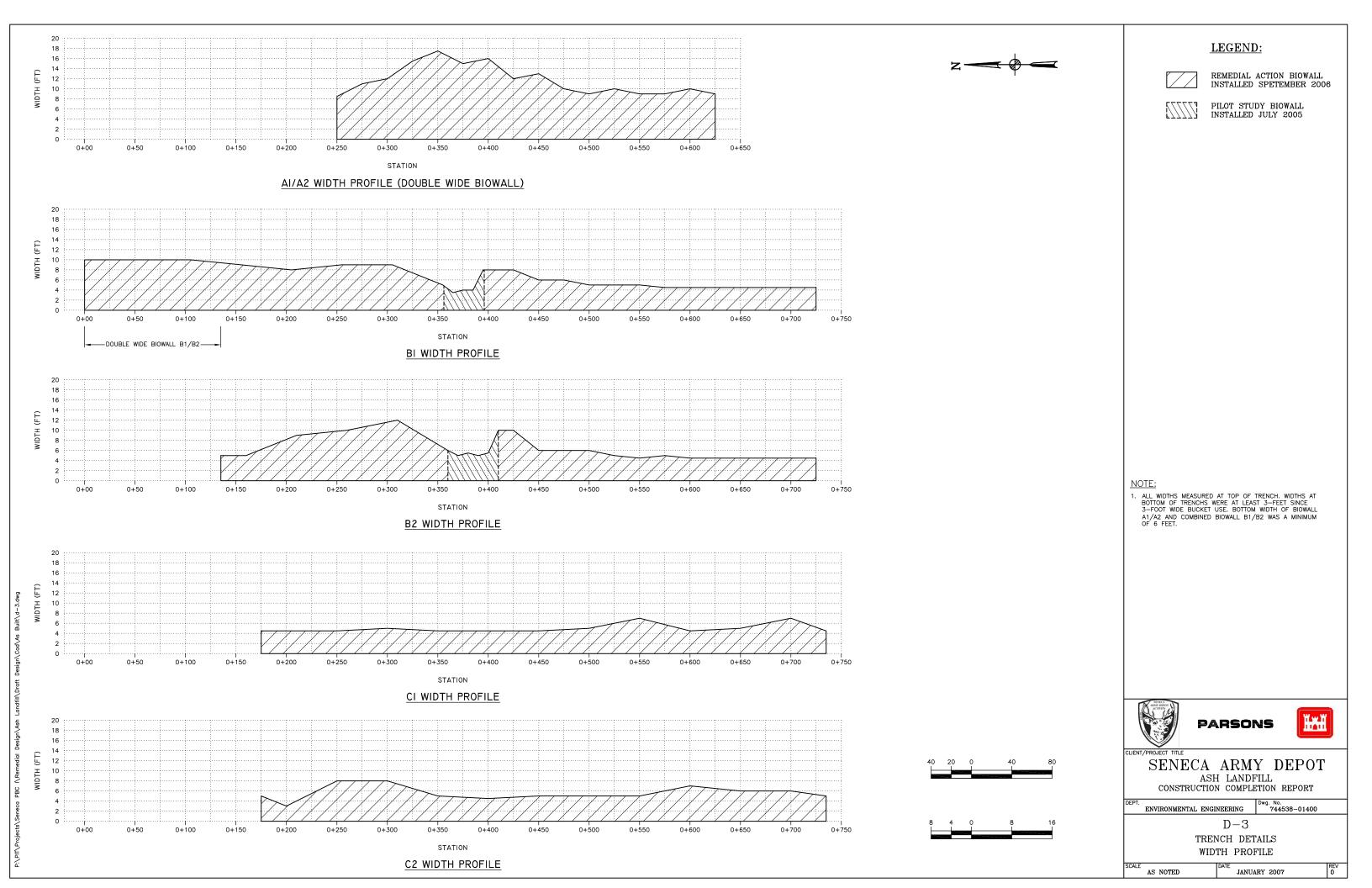
Table D-1	Trench Excavation Measurements
Figure D-1	Soil Remediation: As Built Drawing
Figure D-2	Groundwater Remediation: Biowalls As-Built Drawing
Figure D-3	Trench Details Width Profile
Figure D-4	Trench Details Depth Profile

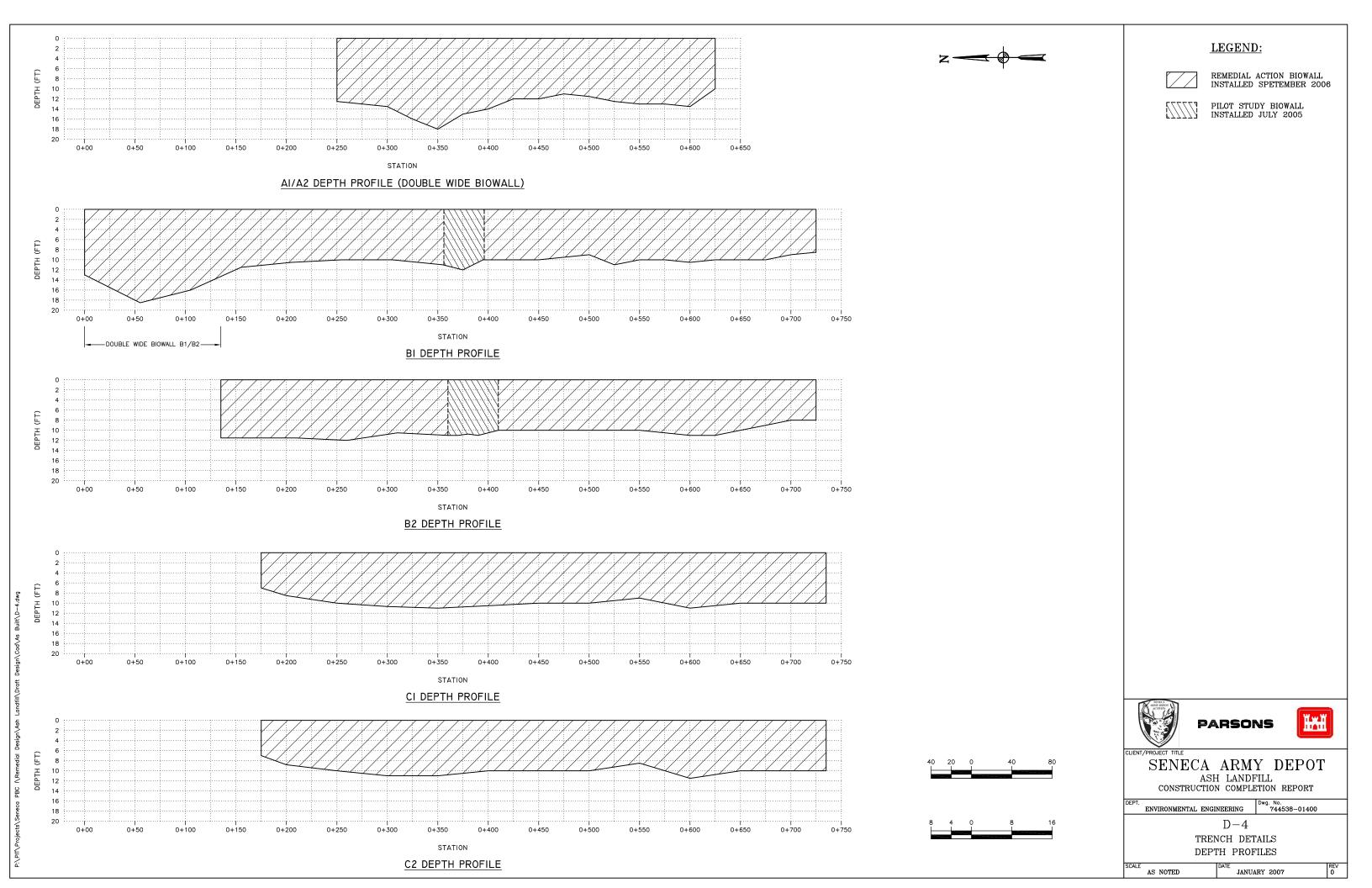
# TABLE D-1 Trench Excavation Measurements

	<b>a</b>	Width @				Width @			2	Width @				Width @				Width @		
Trench C2	Station 0-25	<b>top</b> 5.0	7.0	Trench C1	Station 0-25	<b>top</b> 4.5	Depth 7.0	Trench	Station	top	Depth	Trench	Station	top	Depth	Trench	Station	top	Depth	
02	N to S	0.0	7.0	N to S	0 20	1.0	7.0	S to N	(north of pile	ot wall)		S to N	(north of pil	ot wall)			N to S			
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 C2	0+20 0+30	7.0 9.0		C1 C1	0+20 0+30	4.5 5.0		B1 B1	0+20 0+30	5.0 5.0	-	B2 B2	0+20 0+30	12.0 12.0		A1/A2 A1/A2	0+50 0+75	12.0 15.5	13.5 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 C2	0+80 0+90	6.0 5.0		C1 C1	0+80 0+90	4.5 5.0		B1 B1	0+80 0+90	9.0 9.0		B2 B2	0+80 0+90	11.0 11.0		A1/A2 A1/A2	0+200 0+225	13.0 10.0	12.0 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 C2	0+140 0+150	7.0 5.0	11.0	C1 C1	0+140 0+150	4.5 4.5	11.0	B1 B1	0+140 0+150	8.0	10.5	B2 B2	0+140 0+150	10.0 9.0	11.5	A1/A2 A1/A2	0+350 0+375	10.0 9.0	13.5 10.0	
C2	0+160	7.0	11.0	C1	0+150	5.0	11.0	B1	0+160	8.0	10.0	B2	0+160	9.0	11.0	Avgs.	01010	11.7	13.2	
C2	0+170	8.0		C1	0+170	6.0		B1	0+170	9.0		B2	0+170	9.0		3				
C2	0+180	6.0		C1	0+180	6.0		B1	0+180	9.0		B2	0+180	9.0		A1/A2 - al	l bottom wid	ths = minimum	6.0 ft (single	trench)
C2	0+190	7.0	40.0	C1	0+190	5.0	40.5	B1	0+190	9.0	41.5	B2	0+190	9.0	44.5					
C2 C2	0+200 0+210	4.5 4.5	10.0	C1 C1	0+200 0+210	4.5 4.5	10.5	B1 B1	0+200 0+210	9.0 9.0	11.5	B2 B2	0+200 0+210	5.0 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+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		Avgs.		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 C1	0+260	4.5		B1/B2 B1/B2	0+260	10.0										
C2 C2	0+270 0+280	5.0 4.5		C1	0+270 0+280	4.5 4.5		B1/B2	0+270 0+280	10.0 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 C2	0+330 0+340	8.0 5.0		C1 C1	0+330 0+340	5.0 5.0		B1/B2 B1/B2	0+330 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		S to N	(south of pil			S to N	(south of pi	lot 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 C2	0+390 0+400	6.0 7.0	11.5	C1 C1	0+390 0+400	5.0 4.5	11.0	B1 B1	0+50 0+75	4.5 4.5	10.0	B2 B2	0+50 0+75	4.5 4.5	9.0					
C2	0+400	8.0	11.3	C1	0+410	5.0	11.0	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	40.0	C1	0+440	5.0	40.0	B1	0+175	5.0	10.0	B2	0+175	4.5	10.0					
C2 C2	0+450 0+460	6.0 6.0	10.0	C1 C1	0+450 0+460	5.0 5.0	10.0	B1 B1	0+200 0+225	5.0 5.0	11.0 9.0	B2 B2	0+200 0+225	5.0 6.0	10.0 10.0					
C2	0+470	7.0		C1	0+470	4.5		B1	0+225	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				$\Box$	
C2	0+510 0+520	8.0		C1 C1	0+510 0+520	5.5 5.0		Avgs.		5.3	9.8	Avgs.		5.7	9.8					
C2 C2	0+520	8.0 5.0	10.0	C1	0+520	4.5	10.0	_									+			
	3.000	0.0	70.0	<u>.</u>	0.000	1.5		B1/B2	135											
Avgs.		6.1	9.83	Avgs.		5.0	9.82	B1 north	220											
								B1south	330											
Length	560	If		Length	560	lf .		Length	685	If		Length	540	If		Length	375	If		
C2 - all be	ottom widths -	minimum 3.0	ft	C1 - all b	attom widths	= minimum 3.	Im 3.0 ft B1 - all bottom widths = minimum 4.0 ft (3-foot wide bucket plus 6-inch clearance on each side)							n side)						
	e of 3 -ft exca					avation bucket				ns = minimum			JO U-IIIOII OICA	Tarioe OII Eddi	i side)					
					. , 51.00					vation bucket										
			T.									•		U						









# 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."

Army's Response to USEPA Comments on Draft CCR for Ash Landfill OU Comments Dated April 11, 2007 Page 2 of 3

### **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.

Army's Response to USEPA Comments on Draft CCR for Ash Landfill OU Comments Dated April 11, 2007 Page 3 of 3

**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.