157951

REMOVAL ACTION FINAL REPORT

REMOVAL OF CONTAMINATED SOIL
WILLOW WOODS PROPERTY
AND
MATTEO IRON AND METAL SITE

Submitted To:

U.S. Environmental Protection Agency, Region 2
2890 Woodbridge Avenue
Edison, NJ 08837-3679

On Behalf Of:

MATTEO IRON & METAL
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Thorofare, Gloucester County, New Jersey

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SEPTEMBER 2006

CERTIFICATION

Under penalty of law, I certify that to the best of my knowledge, after appropriate inquires of all relevant persons involved in the preparation of this report, the information submitted is true, accurate, and complete. 1 am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations

Prepared by:

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1.0 INTRODUCTION

This Final Report summarizes the Removal Action that was conducted between June 2006 and July 2006 at the Matteo Iron & Metal (Matteo) site located on Crown Point Road in Thorofare (West Deptford), New Jersey. The Removal Action was conducted at the site in accordance with the approved Removal Action Work Plan (RAWP), dated June 2006, prepared by Bemer Constmction, Inc. (Bemer Constmction).

The Removal Action included the excavation, removal, and disposal of surficial lead contaminated soil from the property of the Willow Woods Manufactured Mobile Home Community (Willow Woods) and the Matteo Iron & Metal site (Matteo) in an area along the southem property line (Station 5+00 to 8+60) adjoining these sites.

A separate Removal Action which included the installation of a new chain link fence along the property line to restrict access to the Matteo site was conducted concurrently with this Removal Action. The fence installation activities are summarized in a separate Removal Action Final Report. Removal of the contaminated soil along the fence line was completed prior to the fence installation in this area of the property line. This Removal Action Final Report details the activities associated with the contaminated soil removal and disposal.

2.0 SITE HISTORY

The Matteo Iron & Metal site is an 80.2-acre parcel of land at 1692 Crown Point Road in Thorofare, New Jersey and is listed on the tax maps of Gloucester County as Block 128 and 325 Lot 2. The Matteo family acquired the site in 1947 and the property served as the family home and farm. Subsequently, a scrap metal salvaging operation was initiated at the site and included a junkyard and a metal salvaging facility. Part of the metal salvaging operation included recovering lead cores from automobile batteries. These cores were obtained by cracking open the battery casings and salvaging the lead cores. The liquids and casing material were deposited on the ground and apparently used as backfill in some areas. Much of this activity occurred on

the northem portion of the site and the casing remnants are visible at the ground surface, along the waters edge of the banks of Hessian Run, and in portions of the tidal wetlands area along Woodbury Creek.

The site is adjacent to the Willow Woods Manufactured Home Trailer Park property and there was unrestricted access between the trailer park site and the Matteo property. There was also evidence of trails through the site and indications that individuals were walking along these trails. Battery casings are also present near the water edge of the active scrap yard and this land is accessible from the remote northem area.

The Matteo site was the focus of an extensive remedial investigation by the New Jersey Department of Environmental Protection (NJDEP) from September 2000 through October 2002. This investigation included obtaining surface soil samples, sediment samples, and groundwater samples throughout the battery casing area, the present day scrap yard, and the adjoining creek and wetlands areas. This sampling indicated elevated levels of lead in the battery casing area and non-contiguous hot spots in the scrap yard and in portions of the tidal sediment areas. In addition, other contaminants were detected, including polychlorinated biphenyls (PCBs), antimony, copper, arsenic, cadmium, mercury, nickel, and zinc in spot areas above the current NJDEP residential and non-residential soil cleanup standards. Sporadic detections of polyaromatic hydrocarbons (PAHs) and volatile organic compounds (VOCs) were detected in shallow soil samples in some areas.

The U.S. Environmental Protection Agency (EPA) Region 2 and there RST contractor, Weston Solutions, Inc., conducted additional lead delineation sampling in Febmary 2006 in the vicinity of Mobile Home unit D-13 and F-6 and confirmed elevated lead soil levels in this area. Based on the threat to human health and the environment, EPA determined that a removal action at this Site was necessary and the contaminated soil should be removed from the residential areas adjoining these sites and a fence should be erected to prohibit unrestricted access to this site.

James Matteo and Sons, Inc. is the current owner of the site. Geographic coordinates of the battery casing area are 39° 51' 15.35'' north latitude and 75° 10' 16.90" west longitude. The current site location map is shown on Figure 1.

The Carlyle Group Real Estate Investments is the parent company of Willow Woods Manufactured Home Community, LLC, who is listed as the current owner of the adjoining property.

2.1 Current Site Conditions

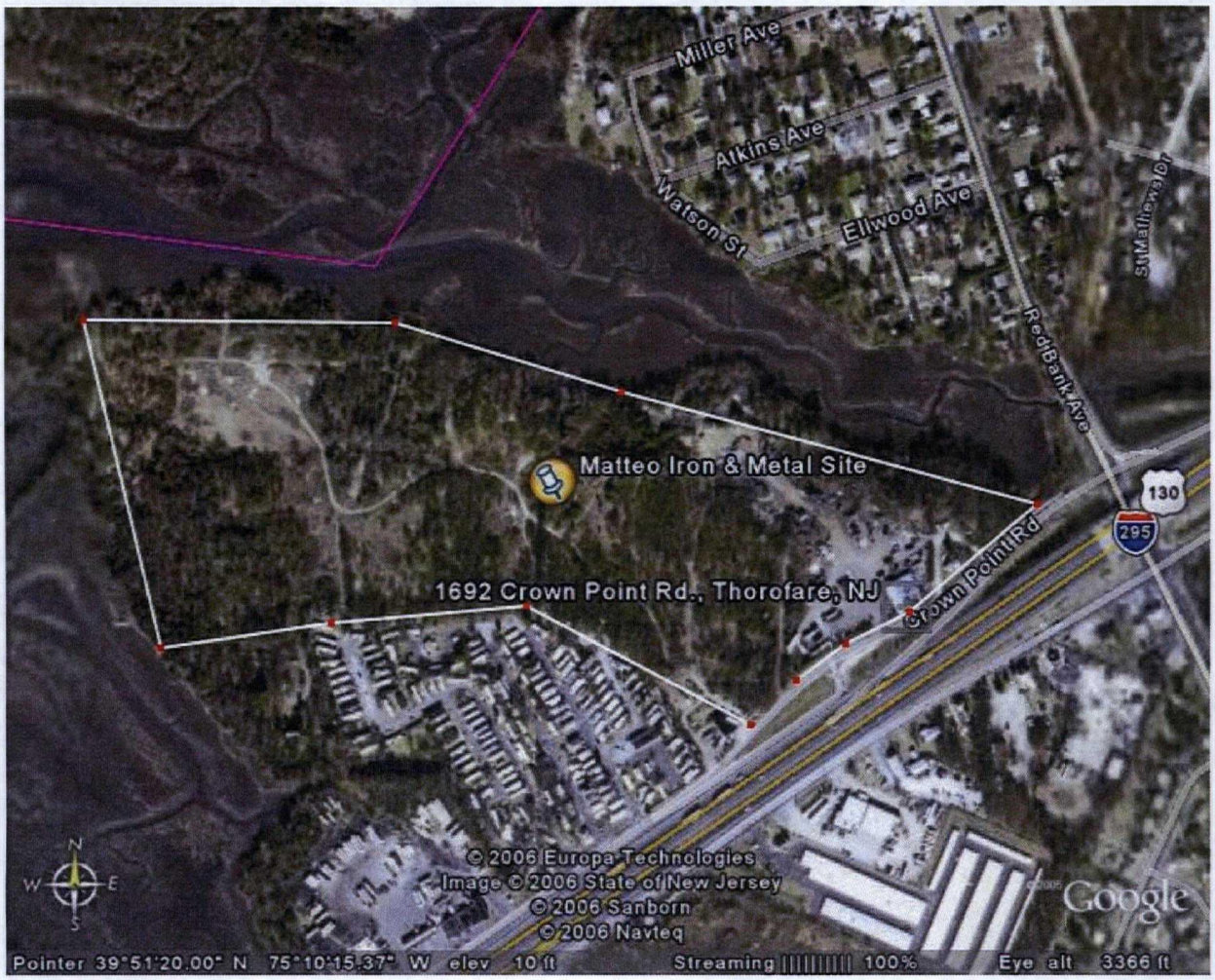
The front portion of the Matteo site along Crown Point Road is an active metal salvaging facility that accepts scrap metal from individual, commercial, and industrial customers. A small office building and scale are located in this area, and each load is inspected and weighed prior to directing the customer to off-load the scrap at selected drop off points in the yard. Metal is segregated based on the physical metal properties and scrap value at various drop-off points in the yard. Matteo's workers further segregate this scrap material and load the scrap into tractor-trailers for shipment to a regional metal salvage facility. An auxiliary building is located inside the front entrance to the east and is used to accept and segregate higher value, non-ferrous metals (copper, brass, stainless steel). These materials are then placed into drums for aggregation and eventual shipment off-site.

The northern portion of the site, where the elevated soil lead levels and battery casings are evident, is unused and vacant. The area is overgrown with vegetation but has trails present that indicate unauthorized trespass is occurring. These areas are relatively flat, sandy, and well drained with no evidence of ponding.

The Matteo site borders the Willow Woods Manufactured Home Community site along the southern property line. Elevated soil lead levels were detected along this property line in the vicinity of Mobile Home Units D-13 and F-6 (Station 5+00 to 8+60).

FIGURE 1

SITE LOCATION MAP



3.0 REMOVAL ACTION ACTIVITIES

Removal Action activities at the Matteo site associated with the excavation of contaminated soil commenced in late June 2006 and were completed in late July 2006. All work was conducted in accordance with the USEPA-approved RAWP. Field conditions encountered during the Removal Action required minor deviations from the RAWP to effectively complete the tasks. These field changes are discussed in Subsection 3.5. Nonconformance Reports (NCRs), or Corrective Actions were not required during this Removal Action.

This Removal Action included the following main tasks:

- screen site soil for lead levels,
- isolate Unit D-13 and temporarily relocate residents,
- excavate impacted soils along fence line,
- raise mobile home Unit D-13 and excavate soils beneath (east end),
- cap contaminated soils beneath west end of mobile home Unit D-13 with concrete,
- confirmation sampling,
- disposal of contaminated soils, and
- site restoration.

Each of these tasks is described in detail in the following subsections. Photographic documentation of the Removal Action is provided in Appendix A.

3.1 Screen Soils for Lead Levels

The EPA and Weston Solutions, Inc. (Weston) conducted an Integrated Assessment in April 2005 that indicated elevated soil lead levels in four areas along the property line adjoining the Matteo and Willow Woods sites. EPA/Weston further delineated these areas by collecting shallow soil samples (0-3 inches) that were screened using x-ray fluorescent methods (XRF) and analyzed by a laboratory. Weston also analyzed 27 additional soil samples by XRF from the 6-12 inch interval. The XRF results from these samples did not indicate lead levels that warranted further laboratory analysis. The EPA/Weston XRF screening results for the shallow soil samples are summarized in Table 1. The EPA/Weston sample locations are shown on Figure 2.

Table 1

Summary of EPA/Weston XRF Screening Results

Sample No.	Lead (ppm)	Sample No.	Lead (ppm)
BS-24A-03	120	BS-25D-03	**1,000**
BS-24B-03	200	BS-25E-03	290
BS-24C-03	**810**	BS-25F-03	160
BS-24D-03	210	BS-25G-03	**1,100**
BS-24E-03	110	BS-25H-03	**1,800**
BS-24F-03	270	BS-25I-03	360
BS-24G-03	120	BS-25J-03	300
BS-24H-03	**1,200**	BS-25K-03	91
BS-24I-03	160	BS-25L-03	150
BS-24J-03	**3,700**	BS-25M-03	120
BS-24K-03	**700**	BS-25N-03	**4,900**
BS-24L-03	**970**	BS-25O-03	**4,200**
BS-24M-03	68	BS-25P-03	**550**
BS-24N-03	**640**	BS-25Q-03	170
BS-24O-03	130	BS-25R-03	140
BS-24P-03	**1,200**	BS-25S-03	85
BS-25A-03	**630**	BS-25T-03	58
BS-25B-03	**2,100**	BS-25U-03	200
BS-25C-03	**4,300**		

FIGURE 2

EPA/WESTON SCREENING SAMPLE LOCATIONS

Berner Construction further defined the impacted areas to develop a scope of work and cost estimate for the Removal Action. Berner Construction established a grid across this area using the fence line property survey as the baseline. The grid was established at 15 foot intervals along the baseline with 15-foot offsets to the left and to the right. An XRF meter (Innov-X-Systems – Alpha Series XT-MR Analyzer) was used to screen these grid locations at the surface level by scraping away any vegetation and taking a reading directly on the exposed soil. Berner Construction's XRF screening results are summarized in Table 2. Copies of Berner Construction's XRF printouts are provided in Appendix B.

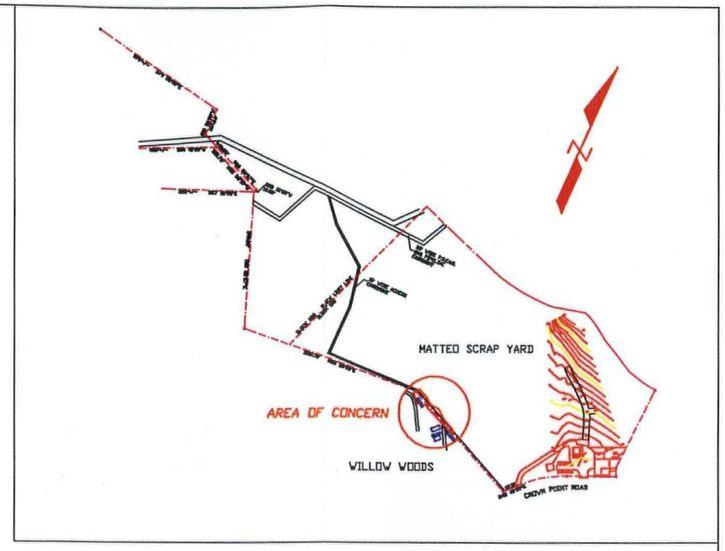
The screening results indicated a larger impacted area than was previously delineated by the EPA/Weston screening. The scope of work was modified to include this expanded area. The impacted area and the XRF results are graphically shown on Figure 3. The impacted area is shown in Photos 1, 2, 3, and 4 in Appendix A.

At the request of EPA, Berner Construction further examined the soils beneath Unit D-13 since the Weston results had indicated elevated lead levels in the soils in front of and behind the trailer (samples BS-24C-03 and BS-24H-03 in Table 1). Berner Construction's initial screening with the XRF meter confirmed this observation and two shallow soil samples were collected from underneath Unit D-13 and sent for laboratory analysis for total lead. A toxicity characteristic leaching procedure (TCLP) for lead was also performed on these samples. Sample results indicated total lead concentrations of 1,700 mg/kg (D-13-01) and 2,500 mg/kg (D-13-02) and TCLP lead concentrations of 41.0 mg/l (D-13-01) and 5.8 mg/l (D-13-02). The TCLP lead results indicated that the soil would be considered RCRA hazardous.

The soil beneath Unit F-6 was evaluated to determine whether any additional removal action was required. Three soil samples (F-6-01, F-6-02, and F-6-03) were collected and analyzed for total lead. The results indicated total lead concentrations below the NJDEP residential standards and no additional removal action was necessary. The sample results are shown in Table 3.

Table 2
Summary of Berner Construction XRF Screening Results

Sample Location		XRF Results	Sample Location		XRF Results
Station	Offset	Total Lead, mg/Kg In Situ	Station	Offset	Total Lead, mg/Kg In Situ
5+15	100	566	7+10	90	870
	115	159		100	1,351
5+30	100	748		115	715
	115	159		130	495
5+35	95	499		140	791
	100	1,393	7+25	90	479
	115	565		100	655
5+60	90	687		115	1,117
	100	1,983	7+25	130	750
	115	942		135	493
	125	323	7+40	90	39
5+75	100	5,125		100	4,107
	115	310		115	1,333
	130	235		128	202
5+90	100	1,076	7+55	100	3,254
	115	944		115	43
	130	263		130	159
	145	188		140	232
	160	200	7+70	86	742
6+05	100	160		100	4,147
	115	834/858		115	1,950
	130	44		130	307
	145	149		145	212
	160	171		155	146
6+20	90	615	7+85	88	660
	100	902		115	191
	115	334		130	229 / 210
	130	101		145	136
	145	222		158	123
	160	85	8+00	100	1,030 / 1,480
6+35	100	11,823		115	720
	115	2,329		130	853
	130	312		145	261
	145	200	8+15	92	760
	160	84		115	1,762 / 1,957
6+50	90	1,128		125	767
	100	3,400	8+30	80	263
	115	842		85	226
	130	356	8+30	100	887
6+65	90	1,928		115	905
	100	3,111		125	1,698
	115	2,092	8+45	82	164
	130	759		85	147
	140	602		100	7,360
6+80	90	1,140		115	886
	100	38,665 / 17,131		130	3,131 / 1,198
	115	3,073	8+60	85	188
	130	745		90	408
6+95	90	1,071		100	1,006
	100	1,351			
	115	2,242			
	125	1,525			



LEGEND

= SAMPLE LOCATION AND XRF SCREENING RESULT IN PPM

FIGURE 3

INITIAL XRF SCREENING RESULTS
(ALL RESULTS IN PPM)

BERNER CONSTRUCTION, INC.

MATTEO SCRAP YARD/WILLOW WOODS
WEST DEPTFORD TWP, NEW JERSEY

BY: JM/ADH	J. ROBERT GALLAGHER N. J. LICENSE NO. 32321	Scale: N.T.S.
CHK: J.R. GALLAGHER		Job No.: E600401
9/7/06		Sht of

3.2 Isolate Unit D-13 and Relocate Resident

Due to the presence of impacted soils beneath mobile home Unit D-13, relocation of the occupants was necessary during the Removal Action. The residents were temporarily relocated to the Best Western Hotel in West Deptford, NJ. Workmen then entered Unit D-13 and all openings were sealed with plastic sheeting and duct tape to prevent fugitive dust from entering the unit during the Removal Action.

A pre-Removal Action dust wipe sample was collected from a one-square foot section in the kitchen area of the trailer and analyzed for total lead. This sample would be used as a baseline to assess the impacts from the Removal Action activities. The wipe sample result indicated a total lead concentration of 3.4 ug/wipe (or ft^2).

3.3 Excavate Impacted Soils Along Fence Line

Soil excavation activities commenced on 26 June 2006 and included excavation of the XRF grid area previously established by Berner Construction (Figure 3) to a depth of 6 to 9-inches. A small backhoe and loader were used during this activity. The backhoe excavated the soils and placed them in the bucket of the loader, which transported the soils to the soil staging area, located in a clean zone near Station 6+00. The initial excavation activities and the soil staging area are shown in Photos 9, 10, 11, and 12 in Appendix A.

Real-time XRF readings were taken during excavation activities to guide the Removal Action and direct the equipment operator to dig deeper when necessary. Once XRF readings indicated lead levels below the NJDEP residential clean up standard of 400 ppm or the limits of excavation were reached, a confirmation soil sample was collected and transported to the laboratory for analysis. XRF readings at the northeastern edges of the excavation indicated lead levels above the NJDEP residential standard. Continued excavation in this area was limited due to existing heavy vegetation (trees and undercover brush). EPA and Matteo agreed to leave these soils in-place since access to this portion of the site would be restricted and the vegetation already in

place would diminish potential soil erosion and migration. Confirmation soil samples were collected from these areas to document the lead levels remaining in the soil. The confirmation soil samples were transported to the laboratory for analysis.

3.4 Confirmation Sampling

Confirmation sampling was conducted in accordance with the EPA-approved Sampling and Quality Assurance Project Plan (Berner Construction, June 2006). Representative surface soil samples were collected using disposable plastic scoops and laboratory supplied clean glassware. New disposable gloves were used at each sampling location and the samples were immediately placed in an iced cooler for transport to EMSL Analytical, Inc. in Westmont, New Jersey for analysis for total lead.

A second sample was obtained from each location after the laboratory sample was collected and placed in a zip-locked bag for additional XRF analysis. The bagged soil was homogenized, a representative sample collected, and oven-dried to constant weight. The oven-dried samples were sieved through a 2 mm and 150 mm sieve. The sample passing the 150 mm sieve was further ground with a mortar and pestle and placed in a XRF test cup. The test cups were read with the XRF meter using the testing stand device supplied by the manufacturer (Innov-X-Systems).

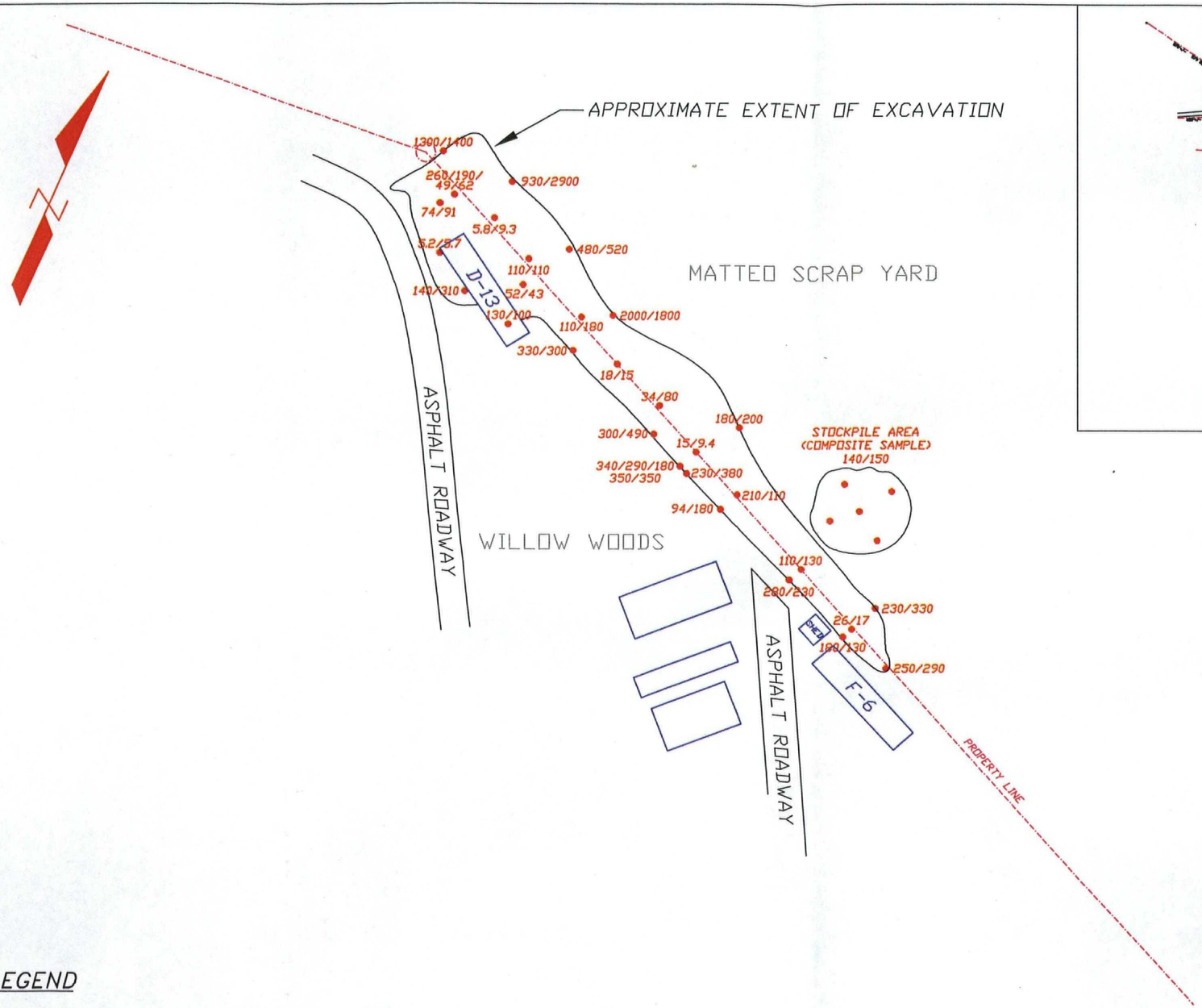
The analytical and the XRF test cup results for the confirmation samples are summarized in Table 3. Direct comparison of the laboratory results and the XRF test cup results indicates good correlation between the two methods. The laboratory results indicated that the NJDEP residential clean up standard was achieved in all areas on the Willow Woods property and to an acceptable setback line within the fenced Matteo property. Sample results for the soils above the clean up standard that were left in-place are shown in bold type in Table 3. The results of the laboratory testing are shown graphically in Figure 4. Copies of the laboratory data packages are provided in Appendix C.

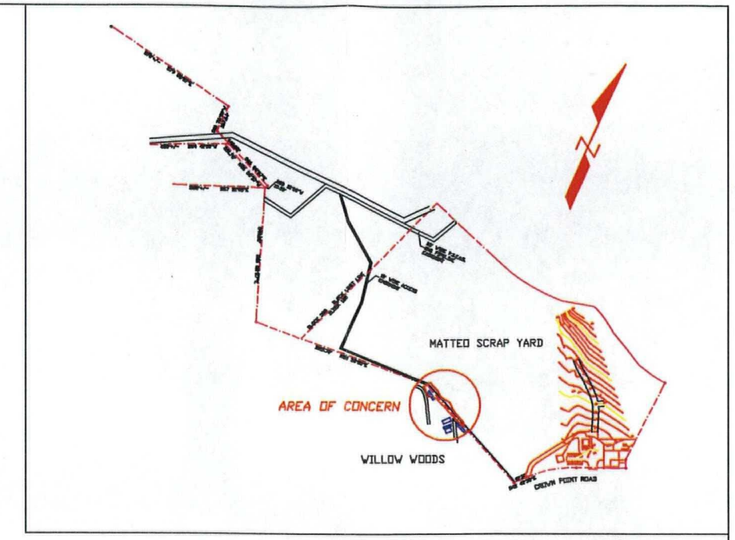
Table 3
Summary of Confirmation Sample XRF and Analytical Results

Field Sample ID[1]	Date	Laboratory Batch-Sample ID	XRF Results Cup, Oven Dry (mg/Kg)	Analytical Results[2] Total Lead (mg/Kg)	
				Sample	Duplicate
Station@Offset Sample Locations					
5+05@100	7/18/2006	010603736-0001/0002	514	250	290
5+35@97	6/26/2006	010603330-0007/0008	no reading taken	26	17
5+45@93	6/26/2006	010603330-0005/0006	no reading taken	180	330
5+45@115-SW	6/26/2006	010603330-0003/0004	no reading taken	230	330
5+75@92-SW	7/3/2006	010103460-0009/0010	296	280	230
5+75@100-6	7/3/2006	010103460-0007/0008	197 / 203	110	130
5+75@114-SW	7/3/2006	010103460-0011/0012	153	160	43
6+25@89	6/30/2006	010603434-0009/0010	164	94	160
6+25@101	6/30/2006	010603434-0007/0008	367	210	110
6+50@89	7/18/2006	010603736-0005/0006	432	230	380
6+55@89-SW	6/30/2006	010603434-0003/0004	480	340	290
6+55@100	6/30/2006	010603434-0001/0002	96	15	9.4
6+60@125-SW	6/30/2006	010603434-0005/0006	343	180	200
6+85@105	6/29/2006	010603381-0009/0010	329	34	80
7+15@100	7/10/2006	010603572-0003/0004	no reading taken	18	15
7+35@88-SW	7/3/2006	010103460-0001/0002	426 / 420	330	300
7+35@115-SW[2]	7/3/2006	010103460-0003/0004	3,316 / 3,777	**2,000**	**1,800**
7+45@105	6/29/2006	010603381-0003/0004	210	110	180
7+75@121-SW[2]	7/3/2006	010103460-0005/0006	677	**480**	**520**
7+78@91	7/13/2006	010603635-0003/0004	159	52	43
7+85@105	6/29/2006	010603381-0001/0002	205	110	110
7+94@83-SW	7/5/2006	010603505-0001/0002	no reading taken	140	310
8+12@107	6/27/2006	010103356-0001/0002	50	5.6	9.3
8+15@87-6	7/5/2006	010603505-0003/0004	no reading taken	5.2	5.7
8+20@124[2]	6/27/2006	010103356-0005/0006	3,774	**930**	**2,900**
8+34@96	7/13/2006	010603635-0001/0002	325	260	190
8+36@87-SW	7/5/2006	010603505-0005/0006	no reading taken	74	91
8+45@113[2]	6/27/2006	010103356-0003/0004	3,981	**1,300**	**1,400**
Miscellaneous Sample Locations					
F-6-01, 8'x4'	6/13/2006	010603059-0001	no reading taken	49	na
F-6-02, 8'x4'	6/13/2006	010603059-0002	no reading taken	96	na
F-6-03, 11'x4'	6/13/2006	010603059-0003	no reading taken	110	na
D-13-East End	7/10/2006	010603572-0001/0002	no reading taken	130	100
Stockpile Area	7/18/2006	010603736-0001/0002	248	140	150

[1] "-SW" indicates a side wall sample.

[2] "na" means not applicable. Results shown in **BOLD** type are above the NJDEP residential soil clean up standard of 400 ppm lead. Matteo and EPA agreed to leave these soils in-place due to the heavily wooded area at the limits of the excavation where these samples were collected.





LEGEND

= SAMPLE LOCATION AND LABORATORY RESULT IN PPM

FIGURE 4

SOIL SAMPLING RESULTS
(ALL RESULTS IN PPM)

BERNER CONSTRUCTION, INC.

MATTEO SCRAP YARD/WILLOW WOODS
WEST DEPTFORD TWP, NEW JERSEY

BY: JM/ADH	J. ROBERT GALLAGHER N. J. LICENSE NO. 32321	Scale: N.T.S.
CHK: J.R. GALLAGHER		Job No.: E600401
9/7/06		Sht of

3.5 Raise Unit D-13 and Excavate Soils Beneath the Unit

The initial removal action plan for the soil beneath Unit D-13 included using a vacuum truck to remove the soil and directing the soil into a sealed roll-off container for disposal. Removal of the soil from beneath Unit D-13, using the vacuum truck, initially commenced in late June 2006. Use of the vacuum truck ceased after the first day's effort due to the density and proliferation of tree roots encountered beneath the trailer. The tree roots encountered are shown in Photo 21 in Appendix A.

A revised plan was developed by Carlyle Group and Sierra Environmental that included raising the trailer two feet to allow workers to hand excavate the soil beneath the unit. In early July 2006 the trailer was jacked up and blocked until the desired height and clearance were achieved. Workers, suited in modified Level D PPE, then hand excavated the east end beneath the trailer to a depth of 6 to 9 inches. This method was labor intensive due to the many tree roots that had to be removed during the excavation. The soil and roots excavated from beneath Unit D-13 is shown in Photo 22 in Appendix A.

The XRF meter was used to screen the soil excavation beneath the trailer. A confirmation soil sample (D-13 East End) was collected once the XRF readings indicated levels below the clean up standard. The analytical results indicated that the NJDEP residential standards were achieved and no additional excavation was required. The sample results are presented in Table 3.

During the initial excavation of the west end beneath the trailer, a cinder block foundation was encountered that contained several voids (see Photos 24 and 25 in Appendix A). Carlyle Group and Matteo decided to cap the area beneath the middle and west end of Unit D-13 with four inches of concrete for the following reasons:

- contaminated soil might be deeper than expected,
- removal of the cinder block foundation would jeopardize the stability of the trailer, and
- relocation of the trailer was not feasible due to zoning and permitting restraints.

Wooden forms were constructed beneath the trailer and a four-inch concrete pad poured (see Photos 27 and 28 in Appendix A).

Once the concrete cured, the wooden forms were removed and the trailer was lowered onto the new foundation. A new skirt was installed around the bottom of the trailer. The sealed plastic covering the openings of the trailer were removed and a second post-Removal Action wipe sample was collected from the same one square foot section in the kitchen area. The wipe sample result indicated a total lead concentration of < 10 ug/wipe (or ft^2). Wipe sample results indicate that the interior of Unit D-13 was not impacted during the Removal Action.

3.6 Disposal of Contaminated Soils

Upon completion of the soil excavation activities, a representative composite sample was collected from the soil stockpile and sent to EMSL Analytical, Inc. for analysis of RCRA waste classification parameters. The waste classification results are summarized in Table 4.

Table 4
Summary of Waste Classification Results

Parameter	Analytical Results
Ignitability	>180
pH	6.97
Reactivity-Sulfide	< 27.5
Reactivity-Cyanide	< 54.9
Total Petroleum Hydrocarbons	
TCLP Metals	
Arsenic	< 0.080 mg/L
Barium	< 1.0 mg/L
Cadmium	< 0.040 mg/L
Chromium	< 0.10 mg/L
Lead	31 mg/L
Selenium	< 0.20 mg/L
Silver	< 0.10 mg/L
Mercury	< 0.0020 mg/L
TCLP Volatile Organic Compounds	Non-Detected except for naphthalene @ 520 ppb
TCLP Semi-Volatile Organic Compounds	Non-Detected
TCLP Herbicides	Non-Detected
TCLP Pesticides	Non-Detected
PCBs, Total	Aroclor 1254 @ 580 ppb

A copy of the laboratory data package is provided in Appendix C.

Using the waste classification data, a waste profile form was completed and submitted to Clean Earth of North Jersey (CENJ), a RCRA transportation, storage, and disposal facility (TSDF). CENJ approved the waste profile and accepted the soil for disposal as a hazardous solid waste, D008 N.O.S. In mid-July 2006 a total of 425 tons of hazardous contaminated soil was transported to the CENJ facility located at 115 Jacobus Avenue in South Kearny, NJ. Copies of the completed hazardous waste manifests and weigh tickets are provided in Appendix D.

Upon removal of the contaminated soil stockpile, confirmation soil samples were collected from beneath the protective plastic sheeting and analyzed for total lead. The analytical and XRF results indicated lead levels below the residential clean up standard. These results are shown in Table 3.

3.7 Site Restoration

The excavated areas and the stockpile area were backfilled with certified clean fill. A total of approximately 350 tons of clean fill material was delivered to the site and spread with a front end loader.

Two inches of topsoil, approximately 75 tons, was placed over the backfilled areas and the areas restored to the pre-excavation grade. The topsoil areas were seeded to establish a vegetative cover. During the fall when the growing season is more favorable to grass propagation, the area will be inspected and reseeded, if necessary.

4.0 COST OF REMOVAL ACTION

The total cost for the Soil Excavation, Disposal, and Restoration Removal Action at the Matteo site was $160,532.00. Matteo and Carlyle Group funded the costs of the Removal Action that included two main tasks: excavation and disposal of soil along the property line, and excavation and disposal of soils beneath Unit D-13. The breakdown of costs for performing this Removal Action is summarized in Table 5.

Table 5
Removal Action Cost Summary
Soil Excavation and Removal

Removal Action Task	Cost
Task 1- Excavate and Remove Soil Along Property Line	
Labor	
Sierra	$5,040.00
Berner	$16,780.00
Materials & Equipment	$12,936.00
Sampling	$4,070.00
XRF	$8,050.00
Transportation & Disposal	$66,633.00
Reimbursable Expenses	$887.00
Task 2- Excavate & Removal Soil Beneath Unit D-13	
Labor	
Sierra	$14,750.00
Berner	$6,300.00
Ken Rively	$8,500.00
Materials & Equipment	$7,962.00
Vac Truck	$2,220.00
Sampling	$300.00
XRF	$2,000.00
Transportation & Disposal	$3,854.00
Reimbursable Expenses	$250.00
Soil Excavation and Removal Total	**$160,532.00**

Copies of project correspondence, invoices, and contract documents relative to this Removal Action are provided in Appendix E.

5.0 MAINTENANCE PLAN

Matteo has established a maintenance plan that includes bi-weekly inspections of the existing fence line. Matteo personnel will walk the fence and inspect the integrity of the fence fabric, posts, tie wires, and warning signs to confirm that there are no breeches in the fence or missing signs. The inspection will also include an inspection of the clearance between the bottom of the fabric and the existing ground surface to identify any breeches.

The area along the fence line where the excavation activities have taken place will also be inspected and any exposed or eroded areas will be filled in and restored.

A log of these inspection activities will be made noting the conditions of the fence, the integrity of the covered areas, the issues identified, and the actions taken to rectify the problem. This log will be kept in a hardbound, page numbered logbook that will be available for inspection in the Matteo office.

Following receipt of a written Notice of Completion of Work, Matteo shall provide periodic written maintenance reports to EPA for a period of one year detailing any maintenance activities conducted at the site with regard to the work conducted under this Removal Action.

6.0 REFERENCES

Weston Solutions Inc, EPA Contract No. 68-W-00-113, TDD No. 02-06-02-0005, Document Control No. RST-02-F-02014, March 3, 2006.

USEPA Region 2 Laboratory, Analytical Laboratory Report, Matteo Iron & Metal Project No. 06020011, February 28, 2006.

CLP Data Assessment, QA/QC Data Validation, PCB/Pesticide Analytical Data, Matteo Iron & Metal, June 30, 2005.

Weston Solutions, Inc, EPA Contract No. 02-05-04-0005, TDD No. 02-05-04-0005, Document Control No. RST -02-F-01856, XRF Analysis Report, Matteo Iron & Metal Site, June 29, 2005.

Weston Solutions, Inc, EPA Contract No. 68-W-00-113, TDD No. 02-05-04-005, Document Control No. RST -02-F-01836, Sampling Trip Report-Matteo Iron & Metal Site, May 12, 2005.

APPENDIX A

SITE PHOTOS

Matteo Iron & Metal Site
Soil Removal Action

APPENDIX A

June/July 2006

Photo 1:

Proposed area to be excavated near Unit F-6

Photo 2:

Proposed excavation area near Station 6+50

Photo 3:

View of proposed excavation area, looking west toward Unit D-13

Matteo Iron & Metal Site
Soil Removal Action

APPENDIX A

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Photo 4:

View of proposed excavation area behind Unit D-13

Photo 5:

Front view of Unit D-13 before excavation activities

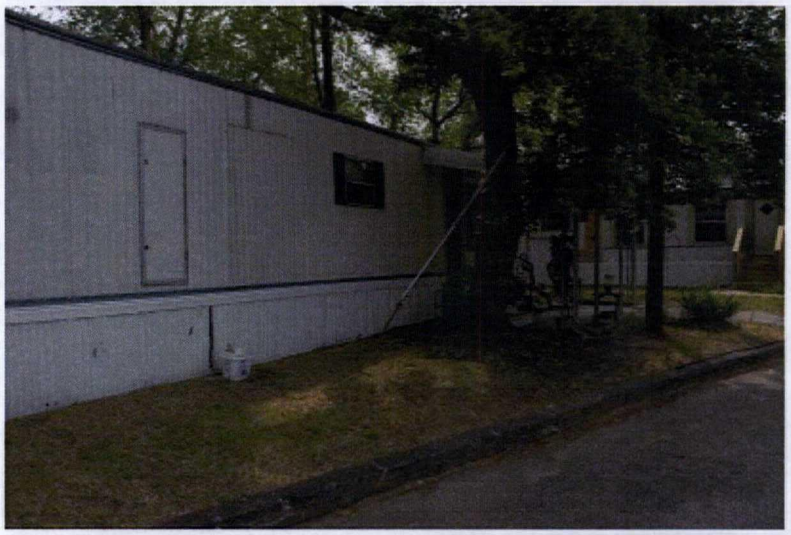
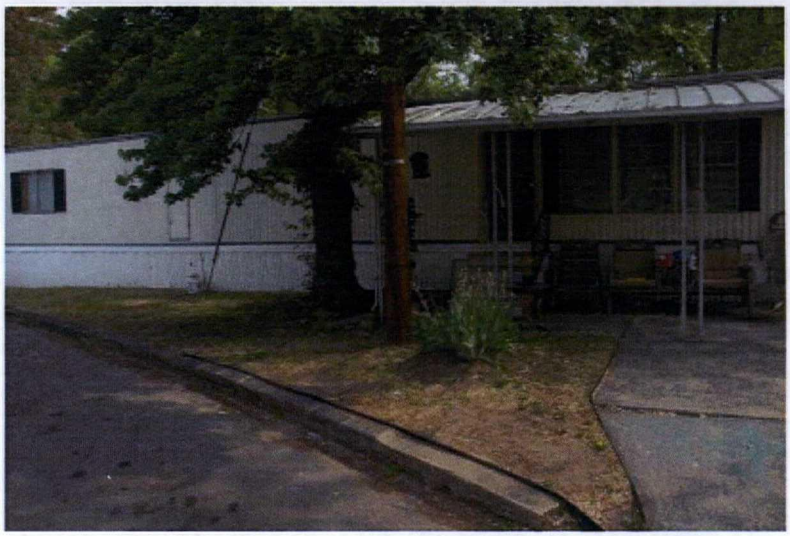


Photo 6:

Front view of entrance to Unit D-13



Matteo Iron & Metal Site
Soil Removal Action

APPENDIX A

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Photo 7:

View of impacted area prior to the start of excavation

Photo 8:

Plastic fencing used to restrict access

Photo 9:

Excavation equipment

Matteo Iron & Metal Site
Soil Removal Action

APPENDIX A

June/July 2006

Photo 10:

Initial excavation activities near Unit F-6

Photo 11:

Initial excavation activities behind Unit D-13

Photo 12:

Soil staging area

Matteo Iron & Metal Site
Soil Removal Action

APPENDIX A

June/July 2006

Photo 13:

XRF and soil sampling grid layout

Photo 14:

Typical sampling point (6+86@105-6)

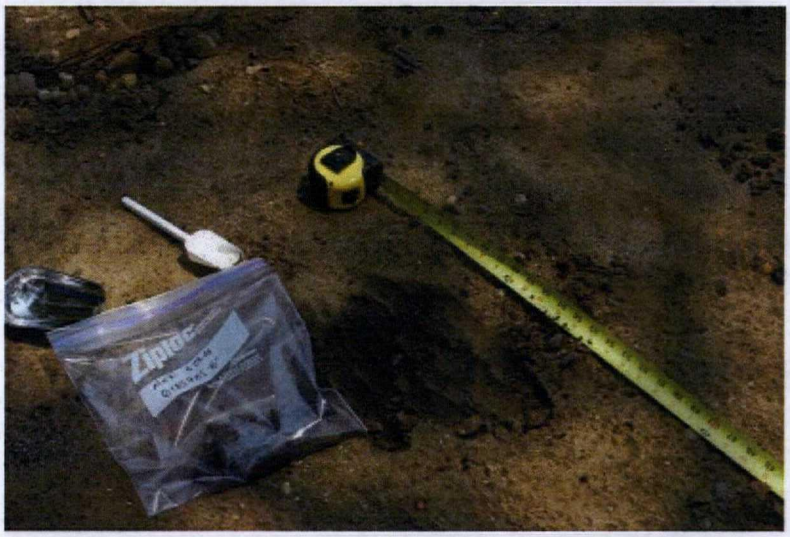


Photo 15:

Typical sidewall sampling point (6+60@125-SW)

Matteo Iron & Metal Site
Soil Removal Action

APPENDIX A

June/July 2006

Photo 16:

Excavation area nearing completion

Photo 17:

Initial view beneath Unit D-13

Photo 18:

View of Unit D-13's original blocking and tires

Matteo Iron & Metal Site
Soil Removal Action

APPENDIX A

June/July 2006

Photo 19:

View of Unit D-13 prior to raising the trailer

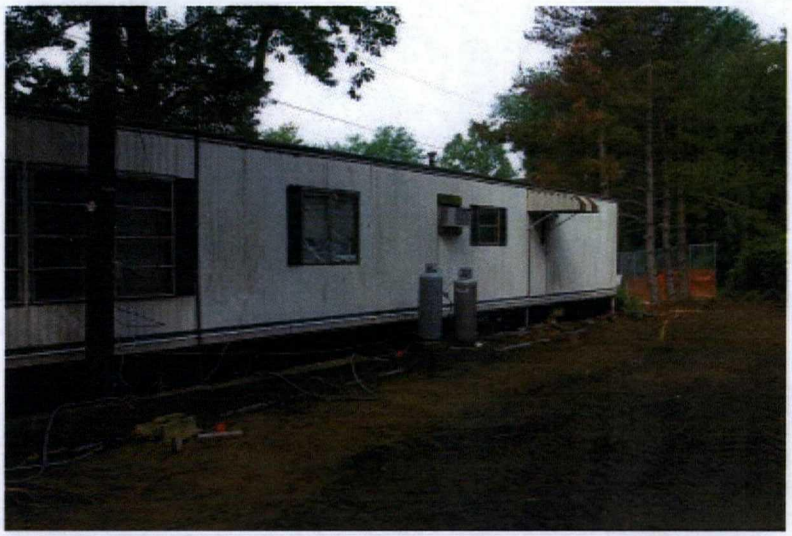


Photo 20:

View of Unit D-13 showing original cinder block supports

Photo 21:

Typical root structure encountered beneath D-13 east end

Matteo Iron & Metal Site
Soil Removal Action

APPENDIX A

June/July 2006

Photo 22:

Soil and roots excavated from beneath Unit D-13

Photo 23:

View beneath east end of D-13 showing XRF locations

Photo 24:

View of west end of D-13 showing old cinder block foundation and voids

Matteo Iron & Metal Site
Soil Removal Action

APPENDIX A

June/July 2006

Photo 25:

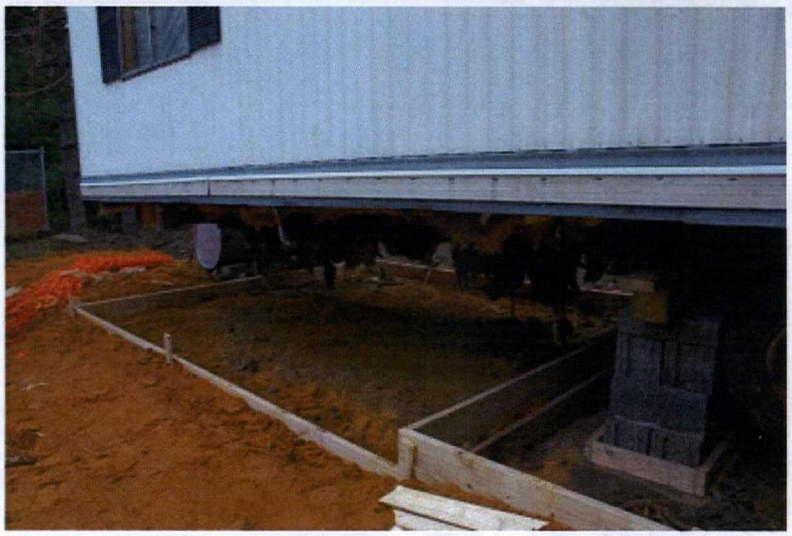
Old cinder block foundation under D-13

Photo 26:

Stockpiled soil from under D-13

Photo 27:

Wooden forms for concrete cap under west end of D-13



Matteo Iron & Metal Site
Soil Removal Action

APPENDIX A

June/July 2006

Photo 28:

Poured concrete cap under west end of D-13

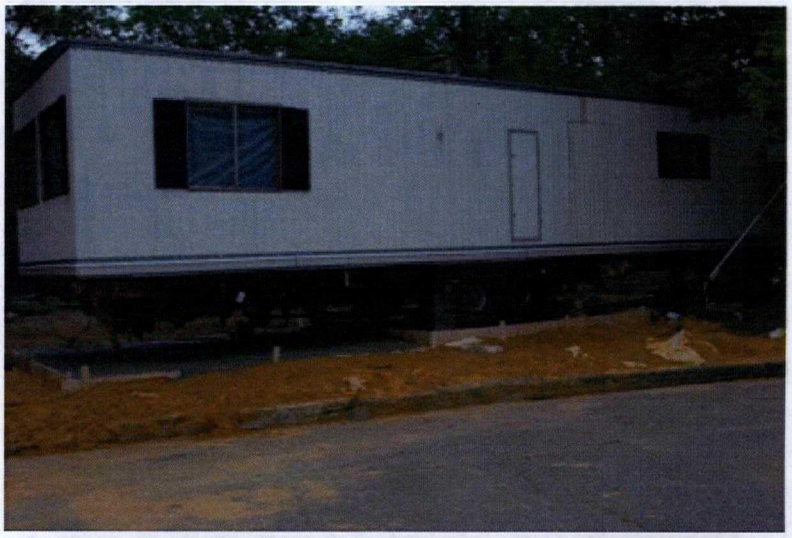


Photo 29:

View of completed work along the fence line

APPENDIX B

XRF PRINTOUTS

Matteo
XRF Results
June 19, 2006

Date	Reading	Mode	LiveTime	Match1	MN1	Pass/Fail	Pass Fail S	Date	Date	Pb	Pb +/-	Station	Comment	
19-Jun-06	1	Standardiz	55.53	0.0196	220	-0.0081	PASS	19-Jun-06	19-Jun-06					
19-Jun-06	2	Soil	1.86					19-Jun-06	19-Jun-06	187.5925	31.5802	8+60 @ 85		
19-Jun-06	3	Standardiz	57.46	0.0196	214	-0.0052	PASS	19-Jun-06	19-Jun-06					
19-Jun-06	4	Soil	41.91					19-Jun-06	19-Jun-06	407.6703	10.37472	8+60 @ 90		
19-Jun-06	5	Soil	0.71					19-Jun-06	19-Jun-06	1006.021	130.0221	8+60 @ 100		
19-Jun-06	6	Soil	1.89					19-Jun-06	19-Jun-06	164.3023	30.18834	8+45 @ 82		
19-Jun-06	7	Soli	1.88					19-Jun-06	19-Jun-06	146.8465	28.96984	8+45 @ 85		
19-Jun-06	8	Soil	1.87					19-Jun-06	19-Jun-06	7359.959	438.8619	8+45 @ 100		
19-Jun-06	9	Soil	1.88					19-Jun-06	19-Jun-06	885.6368	76.8621	8+45 @ 115		
19-Jun-06	10	Soil	1.89					19-Jun-06	19-Jun-06	1198.086	91.21689	8+45 @ 130		
19-Jun-06	11	Soil	1.76					19-Jun-06	19-Jun-06	3130.501	185.3764	8+45 @ 130	dup	
19-Jun-06	12	Soil	1.84					19-Jun-06	19-Jun-06	905.093	78.86685	8+30 @ 115		
19-Jun-06	13	Soil	1.79					19-Jun-06	19-Jun-06	1698.39	120.8752	8+30 @ 125		
19-Jun-06	14	Soil	1.85					19-Jun-06	19-Jun-06	225.9996	34.78745	8+30 @ 85		
19-Jun-06	15	Soil	2.9					19-Jun-06	19-Jun-06	263.305	30.47819	8+30 @ 80		
19-Jun-06	16	Soil	1.84					19-Jun-06	19-Jun-06	1762.314	124.6455	8+15 @ 115		
19-Jun-06	17	Soil	1.8					19-Jun-06	19-Jun-06	829.35	70.82513	8+15 @125		
19-Jun-06	18	Soil	1.9					19-Jun-06	19-Jun-06	760.3906	72.59234	8+15 @ 92		
19-Jun-06	19	Soil	20.98					19-Jun-06	19-Jun-06	1956.989	40.90647	8+15 @ 115		
19-Jun-06	20	Soil	19.79					19-Jun-06	19-Jun-06	766.6017	21.08888	8+15 @ 125		
19-Jun-06	21	Soil	20.98					19-Jun-06	19-Jun-06	720.0081	19.43413	8+00 @ 115		
19-Jun-06	22	Soil	19.61					19-Jun-06	19-Jun-06	853.1497	20.89436	8+00 @ 130		
19-Jun-06	23	Soil	20.01					19-Jun-06	19-Jun-06	260.6681	10.63423	8+00 @145		
19-Jun-06	24	Soil	21.03					19-Jun-06	19-Jun-06	886.7344	22.71142	8+30 @ 100		
19-Jun-06	25	Soil	20.62					19-Jun-06	19-Jun-06	1030.258	24.91693	8+15 @ 100		
19-Jun-06	26	Soil	21.64					19-Jun-06	19-Jun-06	1480.289	33.47112	8+00 @ 100		
19-Jun-06	27	Soil	20.82					19-Jun-06	19-Jun-06	190.7821	9.815819	7+85 @ 115		
19-Jun-06	28	Soil	20.07					19-Jun-06	19-Jun-06	209.6438	9.544985	7+85 @ 130		
19-Jun-06	29	Soil	6.73					19-Jun-06	19-Jun-06	228.7612	18.25344	7+85 @ 130	dup	
19-Jun-06	30	Soil	21.34					19-Jun-06	19-Jun-06	136.2691	8.380486	7+85 @ 145		
19-Jun-06	31	Soil	19.86					19-Jun-06	19-Jun-06	122.7691	7.917886	7+85 @ 158		
19-Jun-06	32	Soil	23.27					19-Jun-06	19-Jun-06	965.6781	27.14364	8+00 @ 90		
19-Jun-06	33	Soil	20.83					19-Jun-06	19-Jun-06	659.9743	19.73183	7+85 @ 88		
19-Jun-06	34	Soli	20.07					19-Jun-06	19-Jun-06	742.2716	19.07125	7+70 @ 86		
19-Jun-06	35	Soil	20.68					19-Jun-06	19-Jun-06	1949.949	42.81702	7+70 @ 115		
19-Jun-06	36	Soli	18.97					19-Jun-06	19-Jun-06	306.7793	11.67681	7+70 @ 130		
19-Jun-06	37	Soil	20.22					19-Jun-06	19-Jun-06	212.0283	9.688645	7+70 @ 145		
19-Jun-06	38	Soil	19.37					19-Jun-06	19-Jun-06	145.7475	7.849738	7+70 @ 155		
19-Jun-06	39	Soil	22.34					19-Jun-06	19-Jun-06	4146.993	87.37751	7+70 @ 100		
19-Jun-06	40	Soli	20.41					19-Jun-06	19-Jun-06	12207.88	224.1253	7+70 @ 100	dup	chips vlsat
19-Jun-06	41	Soil	21.44					19-Jun-06	19-Jun-06	42.53516	5.57546	7+55 @ 115		
19-Jun-06	42	Soil	21.65					19-Jun-06	19-Jun-06	158.691	8.986697	7+55 @ 130		
19-Jun-06	43	Soli	20.9					19-Jun-06	19-Jun-06	232.143	10.1391	7+55 @ 140		

Mateo
XRF Results
June 20, 2006

Date	Reading	Mode	LiveTime	Match I	MN1	Pass/Fail	Pass Fail S	Date	Date	Pb	Pb +/-	Station	Comment	Comment
20-Jun-06	1	Standardiz	52.9	0.0196	218	-0.0034	PASS	20-Jun-06	20-Jun-06					
20-Jun-06	2	Soil	19.92					20-Jun-06	20-Jun-06	3253.621	57.54725	7+55 @ 100		
20-Jun-06	3	Soil	21.91					20-Jun-06	20-Jun-06	4106.644	79.95005	7+40 @ 100		
20-Jun-06	4	Soil	20.39					20-Jun-06	20-Jun-06	1332.679	28.78991	7+40 @ 115		
20-Jun-06	5	Soil	20.25					20-Jun-06	20-Jun-06	201.9599	9.507303	7+40 @ 128		
20-Jun-06	6	Soil	20.94					20-Jun-06	20-Jun-06	39.03098	5.458179	7+40 @ 90		
20-Jun-06	7	Soil	21.44					20-Jun-06	20-Jun-06	654.6035	19.07818	7+25 @ 100		
20-Jun-06	8	Soil	20.87					20-Jun-06	20-Jun-06	1116.58	26.39092	7+25 @ 115		
20-Jun-06	9	Soil	20.87					20-Jun-06	20-Jun-06	749.9831	21.63957	7+25 @ 130		
20-Jun-06	10	Soil	21.41					20-Jun-06	20-Jun-06	493.0669	17.02252	7+25 @ 135		
20-Jun-06	11	Soil	19.54					20-Jun-06	20-Jun-06	479.1717	15.75683	7+25 @ 90		
20-Jun-06	12	Soil	36.85					20-Jun-06	20-Jun-06	405.9834	10.05752	7+25 @ 90	dup	
20-Jun-06	13	Soil	19.94					20-Jun-06	20-Jun-06	2139.973	40.50441	7+10 @ 100		chips evident
20-Jun-06	14	Soil	19.79					20-Jun-06	20-Jun-06	714.8039	20.05169	7+10 @ 115		
20-Jun-06	15	Standardiz	55.52	0.0196	219	-0.0075	PASS	20-Jun-06	20-Jun-06					
20-Jun-06	16	Soil	22.01					20-Jun-06	20-Jun-06	494.5998	16.62924	7+10 @ 130		
20-Jun-06	17	Soil	20.23					20-Jun-06	20-Jun-06	790.5814	20.37531	7+10 @ 140		
20-Jun-06	18	Soil	19.08					20-Jun-06	20-Jun-06	869.7213	22.49284	7+10 @ 90		
20-Jun-06	19	Soil	20.89					20-Jun-06	20-Jun-06	1351.359	30.09968	6+95 @ 100		
20-Jun-06	20	Soil	20.04					20-Jun-06	20-Jun-06	2242.392	42.74609	6+95 @ 115		
20-Jun-06	21	Soil	19.24					20-Jun-06	20-Jun-06	1524.839	32.33827	6+95 @ 125		
20-Jun-06	22	Soil	21.06					20-Jun-06	20-Jun-06	1070.509	24.29641	6+95 @ 90		
20-Jun-06	23	Soil	20.07					20-Jun-06	20-Jun-06	17131.33	326.8706	6+80 @ 100		
20-Jun-06	24	Soil	17.54					20-Jun-06	20-Jun-06	38665.2	912.59	6+80 @ 100	dup	
20-Jun-06	25	Soil	21.73					20-Jun-06	20-Jun-06	3073.214	59.50045	6+80 @ 115		
20-Jun-06	26	Soil	22.43					20-Jun-06	20-Jun-06	73.47408	6.841145	6+80 @ 115		6 in. deep
20-Jun-06	27	Soil	22.79					20-Jun-06	20-Jun-06	745.0183	21.9493	6+80 @ 130		
20-Jun-06	28	Soil	18.81					20-Jun-06	20-Jun-06	1140.375	26.07226	6+80 @ 90		
20-Jun-06	29	Soil	22.18					20-Jun-06	20-Jun-06	3110.72	61.41688	6+65 @ 100		
20-Jun-06	30	Soil	21.63					20-Jun-06	20-Jun-06	2092.233	43.34703	6+65 @ 115		
20-Jun-06	31	Soil	21.58					20-Jun-06	20-Jun-06	759.1202	20.75191	6+65 @ 130		
20-Jun-06	32	Soil	19.35					20-Jun-06	20-Jun-06	601.8193	17.21145	6+65 @ 140		
20-Jun-06	33	Soil	20.43					20-Jun-06	20-Jun-06	1928.208	38.79765	6+65 @ 90		
20-Jun-06	34	Soil	14.9					20-Jun-06	20-Jun-06	605.8273	14.20281			read a chip
20-Jun-06	35	Soil	20.49					20-Jun-06	20-Jun-06	1903.585	38.04681			random read
20-Jun-06	36	Standardiz	55.58	0.0196	218	-0.0044	PASS	20-Jun-06	20-Jun-06					
20-Jun-06	37	Soil	21.28					20-Jun-06	20-Jun-06	3399.843	63.94596	6+50 @ 100		
20-Jun-06	38	Soil	19.61					20-Jun-06	20-Jun-06	841.8158	21.72432	6+50 @ 115		
20-Jun-06	39	Soil	19.98					20-Jun-06	20-Jun-06	355.5697	13.58736	6+50 @ 130		
20-Jun-06	40	Soil	19.14					20-Jun-06	20-Jun-06	1128.131	25.66444	6+50 @ 90		
20-Jun-06	41	Soil	20.89					20-Jun-06	20-Jun-06	11823.19	219.9311	6+35 @ 100		
20-Jun-06	42	Soil	20.01					20-Jun-06	20-Jun-06	2329.207	46.57493	6+35 @ 115		
20-Jun-06	43	Soil	19.84					20-Jun-06	20-Jun-06	311.8838	12.74538	6+35 @130		
20-Jun-06	44	Soil	20.59					20-Jun-06	20-Jun-06	199.6156	9.496914	6+35 @ 145		
20-Jun-06	45	Soil	20.67					20-Jun-06	20-Jun-06	84.09119	6.480192	6+35 @ 160		
20-Jun-06	46	Soil	21.82					20-Jun-06	20-Jun-06	902.1979	25.43215	6+20 @ 100		asphalt
20-Jun-06	47	Soil	22.31					20-Jun-06	20-Jun-06	334.2474	13.4716	6+20 @ 115		
20-Jun-06	48	Soil	21.27					20-Jun-06	20-Jun-06	100.7774	7.330832	6+20 @ 130		
20-Jun-06	49	Soil	21.27					20-Jun-06	20-Jun-06	221.616	10.3673	6+20 @ 145		
20-Jun-06	50	Soil	20.88					20-Jun-06	20-Jun-06	84.8465	6.597186	6+20 @ 160		
20-Jun-06	51	Soil	21.95					20-Jun-06	20-Jun-06	614.8892	18.58766	6+20 @ 90		
20-Jun-06	52	Soil	20.52					20-Jun-06	20-Jun-06	160.1119	9.728358	6+05 @ 100		asphalt
20-Jun-06	53	Soil	22.98					20-Jun-06	20-Jun-06	834.3535	24.27703	6+05 @ 115		
20-Jun-06	54	Soil	21.83					20-Jun-06	20-Jun-06	857.8992	22.86582	6+05 @ 115	dup	
20-Jun-06	55	Soil	19.23					20-Jun-06	20-Jun-06	43.53386	5.487001	6+05 @ 130		
20-Jun-06	56	Soil	21.43					20-Jun-06	20-Jun-06	149.3245	8.699421	6+05 @ 145		
20-Jun-06	57	Soil	21.15					20-Jun-06	20-Jun-06	170.8026	9.221128	6+05 @ 160		
20-Jun-06	58	Soil	22.13					20-Jun-06	20-Jun-06	1075.685	27.6522	5+90 @ 100		asphalt
20-Jun-06	59	Soil	19.68					20-Jun-06	20-Jun-06	943.7573	23.69494	5+90 @ 115		
20-Jun-06	60	Soil	21.66					20-Jun-06	20-Jun-06	262.686	11.68644	5+90 @ 130		
20-Jun-06	61	Soil	20.34					20-Jun-06	20-Jun-06	167.9099	9.431785	5+90 @ 145		
20-Jun-06	62	Soil	21.11					20-Jun-06	20-Jun-06	200.2518	9.820936	5+90 @160		
20-Jun-06	63	Standardiz	54.19	0.0196	221	-0.0072	PASS	20-Jun-06	20-Jun-06					
20-Jun-06	64	Soil	23.59					20-Jun-06	20-Jun-06	5125.101	105.9383	5+75 @ 100		
20-Jun-06	65	Soil	19.71					20-Jun-06	20-Jun-06	310.2014	12.46074	5+75 @ 115		
20-Jun-06	66	Soil	21.52					20-Jun-06	20-Jun-06	234.7357	10.98724	5+75 @ 130		
20-Jun-06	67	Soil	21.36					20-Jun-06	20-Jun-06	1983.318	39.37349	5+60 @ 100		
20-Jun-06	68	Soil	20.69					20-Jun-06	20-Jun-06	942.4046	23.2275	5+60 @ 115		
20-Jun-06	69	Soil	19.4					20-Jun-06	20-Jun-06	323.4755	12.47556	5+60 @ 125		
20-Jun-06	70	Soil	20.29					20-Jun-06	20-Jun-06	686.7794	20.26603	5+60 @ 90		
20-Jun-06	71	Soil	21.44					20-Jun-06	20-Jun-06	1393.469	31.25153	5+45 @ 100		
20-Jun-06	72	Soil	21.22					20-Jun-06	20-Jun-06	564.837	17.15074	5+45 @ 115		
20-Jun-06	73	Soil	20.79					20-Jun-06	20-Jun-06	499.2192	15.54432	5+45 @ 95		
20-Jun-06	74	Soil	20.65					20-Jun-06	20-Jun-06	748.0032	19.74206	5+30 @ 100		
20-Jun-06	75	Soil	20.7					20-Jun-06	20-Jun-06	256.5257	11.81325	5+30 @ 115		
20-Jun-06	76	Soil	20.83					20-Jun-06	20-Jun-06	566.244	16.76198	5+15 @ 100		
20-Jun-06	77	Soil	20.49					20-Jun-06	20-Jun-06	159.2722	8.790064	5+15 @ 115		
20-Jun-06	78	Soil	20.21					20-Jun-06	20-Jun-06	5516.435	97.42674	D-13 @ 3 in		3 ft from sw corner
20-Jun-06	79	Soil	20.24					20-Jun-06	20-Jun-06	630.007	19.3655	D-13 @ 3 in		13 ft from sw corner

Matteo
XRF Results
June 22, 2006

Date	Reading	Mode	LIveTime	Match1	MN1	Pass/Fail	Pass Fail S	Date	Date	Pb	Pb +/-	Station	Comments	Comments
22-Jun-06	1	Standardiz	57.8	0.0196	219	-0.0073	PASS	22-Jun-06	22-Jun-06					
22-Jun-06	2	Soil	18.66					22-Jun-06	22-Jun-06	862.4401	21.73107	7+10 @ 90	baggie	
22-Jun-06	3	Soil	17.76					22-Jun-06	22-Jun-06	15664.44	268.57	6+80 @ 100	baggie	
22-Jun-06	4	Soil	18.67					22-Jun-06	22-Jun-06	1948.599	36.05977	8+45 @ 130	baggie	
22-Jun-06	5	Standardiz	56.71	0.0196	218	-0.0051	PASS	22-Jun-06	22-Jun-06					
22-Jun-06	6	Soil	39.69					22-Jun-06	22-Jun-06	944.6056	17.09076	7+10 @ 90		
22-Jun-06	7	Soil	39.33					22-Jun-06	22-Jun-06	929.199	16.92391	7+10 @ 90	baggie	dup
22-Jun-06	8	Soil	35.44					22-Jun-06	22-Jun-06	21332.46	288.0622	6+80	baggie	
22-Jun-06	9	Soil	37.52					22-Jun-06	22-Jun-06	14840.38	193.4519	6+80	baggie	dup
22-Jun-06	10	Soli	40.96					22-Jun-06	22-Jun-06	2314.334	33.21515	8+45 @ 130	baggie	
22-Jun-06	11	Soil	41.37					22-Jun-06	22-Jun-06	2095.336	30.85662	8+45 @ 130	baggie	dup
22-Jun-06	12	Soil	38.83					22-Jun-06	22-Jun-06	5665.71	80.12428	NIST 2710		
22-Jun-06	13	Soil	41.99					22-Jun-06	22-Jun-06	24.51522	3.749026	NIST 2709		
22-Jun-06	14	Soil	39.21					22-Jun-06	22-Jun-06	<LOD	6.472451	BLANK		
22-Jun-06	15	Soil	41.64					22-Jun-06	22-Jun-06	9.88693	3.231546			

Matteo
XRF Results
June 26, 2006

Date	Reading	Mode	LiveTime	Match1	MN1	Pass/Fail	Pass Fail $	Date	Date	Pb	Pb +/-	Station	Comment
26-Jun-06	1	Standardiz	54.43	0.0196	219	-0.0075	PASS	26-Jun-06	26-Jun-06				
26-Jun-06	2	Soil	41.7					26-Jun-06	26-Jun-06	23.11295	3.677275	NiST 2709	
26-Jun-06	3	Soil	38.9					26-Jun-06	26-Jun-06	5598.315	78.49587	NIST 2710	
26-Jun-06	4	Soil	39.28					26-Jun-06	26-Jun-06	<LOD	6.64079	BLANK	
26-Jun-06	5	Standardiz	55.68	0.0196	217	-0.0071	PASS	26-Jun-06	26-Jun-06				
26-Jun-06	6	Soil	38.44					26-Jun-06	26-Jun-06	20.47195	3.07495	5+35 @ 97	6 in. deep
26-Jun-06	7	Soil	37.8					26-Jun-06	26-Jun-06	526.9005	11.26937	5+15 @ 97	
26-Jun-06	8	Soil	40.9					26-Jun-06	26-Jun-06	19.79452	3.201558	5+35 @ 97	Dry sample
26-Jun-06	9	Soil	38.64					26-Jun-06	26-Jun-06	120.0279	5.342482	5+45 @ 93	Sidewall
26-Jun-06	10	Soil	38.35					26-Jun-06	26-Jun-06	435.5519	10.21203	5+45 @ 115	Sidewall
26-Jun-06	11	Soil	40.89					26-Jun-06	26-Jun-06	513.4962	11.73309	5+15 @ 97	Dry sample
26-Jun-06	12	Soil	40.45					26-Jun-06	26-Jun-06	572.4846	12.36138	5+15 @ 97	dup
26-Jun-06	13	Soil	41.25					26-Jun-06	26-Jun-06	349.1868	9.495759	5+45 @ 115	Sidewall
26-Jun-06	14	Standardiz	58.59	0.0196	217	-0.009	PASS	26-Jun-06	26-Jun-06				
26-Jun-06	15	Soli	35.96					26-Jun-06	26-Jun-06	1656.334	24.05839	D-13	3 ft. from sw rear
26-Jun-06	16	Standardiz	55.89	0.0196	215	-0.0055	PASS	26-Jun-06	26-Jun-06				
26-Jun-06	17	Soil	36.72					26-Jun-06	26-Jun-06	1086.555	17.79816	Screen Excavation	
26-Jun-06	18	Soil	42.45					26-Jun-06	26-Jun-06	243.8709	8.186664	Screen Excavation	
26-Jun-06	19	Soil	39.58					26-Jun-06	26-Jun-06	152.1519	6.076879	Screen Excavation	
26-Jun-06	20	Soil	39.51					26-Jun-06	26-Jun-06	76.63583	4.61569	Screen Excavation	
26-Jun-06	21	Soil	39.39					26-Jun-06	26-Jun-06	1503.78	23.3561	Screen Excavation	

Matteo
XRF Results
June 27, 2006

Date	Reading	Mode	LiveTime	Matchi l	MN1	Pass/Fail	Pass Fail S	Date	Date	Pb	Pb +/-	Station	Comments	
27-Jun-06	1	Standardiz	57.16	0.0196	221	-0.0068	PASS	27-Jun-06	27-Jun-06					
27-Jun-06	2	Soil	42.24					27-Jun-06	27-Jun-06	15.99799	3.486298	NIST 2709		
27-Jun-06	3	Soil	39.13					27-Jun-06	27-Jun-06	5535.154	78.5544	NIST 2910		
27-Jun-06	4	Soil	39.73					27-Jun-06	27-Jun-06	<LOD	6.440417	BLANK		
27-Jun-06	5	Standardiz	53.61	0.0196	215	-0.0058	PASS	27-Jun-06	27-Jun-06					
27-Jun-06	6	Soil	39.98					27-Jun-06	27-Jun-06	21.05877	3.218721	8+01 @ 116	6 in. deep	
27-Jun-06	7	Soil	38.27					27-Jun-06	27-Jun-06	673.1673	13.31915	8+01 @ 125	sidewall	
27-Jun-06	8	Soil	43.05					27-Jun-06	27-Jun-06	199.8842	7.451911	8+01 @ 133		
27-Jun-06	9	Soil	44.5					27-Jun-06	27-Jun-06	27.02522	5.505419	8+26 @118	6 in. deep	
27-Jun-06	10	Soil	38.15					27-Jun-06	27-Jun-06	23.93343	3.295246	8+39 @ 124	6 in. deep	
27-Jun-06	11	Soil	39.61					27-Jun-06	27-Jun-06	1364.084	21.51575	8+48 @ 124	sidewall	
27-Jun-06	12	Soil	36.76					27-Jun-06	27-Jun-06	595.0541	11.70908	8+10 @ 74	In front of D-13	
27-Jun-06	13	Soil	36.21					27-Jun-06	27-Jun-06	421.2269	9.119515	Screening Excavation		
27-Jun-06	14	Soil	36.85					27-Jun-06	27-Jun-06	759.0071	13.44088	Screening Excavation		
27-Jun-06	15	Soil	36.93					27-Jun-06	27-Jun-06	295.71	7.89088	Screening Excavation		
27-Jun-06	16	Standardiz	54.93	0.0196	219	-0.0069	PASS	27-Jun-06	27-Jun-06			Screening Excavation		
27-Jun-06	17	Soil	38.48					27-Jun-06	27-Jun-06	30.06418	3.76481	Screening Excavation		
27-Jun-06	18	Soil	40.23					27-Jun-06	27-Jun-06	1982.468	30.01748	Screening Excavation		
27-Jun-06	19	Soil	39.95					27-Jun-06	27-Jun-06	3078.3	41.85083	Screening Excavation		
27-Jun-06	20	Soil	37.55					27-Jun-06	27-Jun-06	1531.727	23.30259	Screening Excavation		
27-Jun-06	21	Soil	37.02					27-Jun-06	27-Jun-06	2210.645	30.48269	Screening Excavation		
27-Jun-06	22	Soil	36.21					27-Jun-06	27-Jun-06	2205.517	29.05429	Screening Excavation		
27-Jun-06	23	Soil	40.7					27-Jun-06	27-Jun-06	374.1198	9.818287	Screening Excavation		
27-Jun-06	24	Soil	38.2					27-Jun-06	27-Jun-06	1307.991	20.72568	Screening Excavation		
27-Jun-06	25	Soil	41.27					27-Jun-06	27-Jun-06	677.3947	13.73424	Screening Excavation		
27-Jun-06	26	Soil	39.21					27-Jun-06	27-Jun-06	450.9128	10.24531	Screening Excavation		
27-Jun-06	27	Soil	39.59					27-Jun-06	27-Jun-06	153.0573	6.069726	Screening Excavation		
27-Jun-06	28	Soil	40.55					27-Jun-06	27-Jun-06	994.7286	18.31209	Screening Excavation		
27-Jun-06	29	Soil	39.52					27-Jun-06	27-Jun-06	379.8677	9.43475	Screening Excavation		
27-Jun-06	30	Soil	38.28					27-Jun-06	27-Jun-06	695.3807	13.15322	Screening Excavation		
27-Jun-06	31	Soil	42.33					27-Jun-06	27-Jun-06	346.1734	9.578944	Screening Excavation		
27-Jun-06	32	Soil	39.87					27-Jun-06	27-Jun-06	453.0277	10.3986	Screening Excavation		
27-Jun-06	33	Soil	39.68					27-Jun-06	27-Jun-06	289.1772	8.238496	Screening Excavation		
27-Jun-06	34	Soil	38.98					27-Jun-06	27-Jun-06	1134.51	18.49775	Screening Excavation		
27-Jun-06	35	Soil	38.07					27-Jun-06	27-Jun-06	1927.803	26.89599	Screening Excavation		
27-Jun-06	36	Soil	39.91					27-Jun-06	27-Jun-06	1511.02	23.389	Screening Excavation		
27-Jun-06	37	Soil	39.13					27-Jun-06	27-Jun-06	896.7681	16.15793	Screening Excavation		
27-Jun-06	38	Soil	43.69					27-Jun-06	27-Jun-06	177.0195	7.281823	Screening Excavation		
27-Jun-06	39	Soil	40.54					27-Jun-06	27-Jun-06	122.6191	5.522598	Screening Excavation		
27-Jun-06	40	Soil	41.06					27-Jun-06	27-Jun-06	501.3195	11.37274	Screening Excavation		
27-Jun-06	41	Soil	39.62					27-Jun-06	27-Jun-06	819.5922	15.42609	Screening Excavation		
27-Jun-06	42	Soil	40.51					27-Jun-06	27-Jun-06	509.1017	11.71377	Screening Excavation		
27-Jun-06	43	Soil	41.15					27-Jun-06	27-Jun-06	632.1724	13.59539	Screening Excavation		
27-Jun-06	44	Soil	40.88					27-Jun-06	27-Jun-06	578.4944	12.63312	Screening Excavation		
27-Jun-06	45	Soil	46.34					27-Jun-06	27-Jun-06	226.5606	9.302721	Screening Excavation		
27-Jun-06	46	Soil	41.05					27-Jun-06	27-Jun-06	240.3206	8.428313	8+12 @ 107	6 In. deep	
27-Jun-06	47	Soil	40.24					27-Jun-06	27-Jun-06	3879.028	51.61296	Screening Excavation		
27-Jun-06	48	Soil	40.49					27-Jun-06	27-Jun-06	919.0749	16.85456	Screening Excavation		
27-Jun-06	49	Soil	40					27-Jun-06	27-Jun-06	1538.693	24.11738	Screening Excavation		
27-Jun-06	50	Soil	38.09					27-Jun-06	27-Jun-06	2317.281	31.77016	Screening Excavation		

Matteo
XRF Results
June 28, 2006

Date	Reading	Mode	LiveTime	Match1	MN1	Pass/Fail	Pass Fail S	Date	Date	Pb	Pb +/-	Station	Comment	
28-Jun-06	1	Standardiz	56.91	0.0196	219	-0.0047	PASS	28-Jun-06	28-Jun-06					
28-Jun-06	2	Soil	41.91					28-Jun-06	28-Jun-06	15.70869	3.459854	NIST 2709		
28-Jun-06	3	Soil	39.41					28-Jun-06	28-Jun-06	5576.925	79.879	NiST 2710		
28-Jun-06	4	Soil	39.66					28-Jun-06	28-Jun-06	<LOD	6.033073	BLANK		
28-Jun-06	5	Standardiz	57.25	0.0196	218	-0.0054	PASS	28-Jun-06	28-Jun-06					
28-Jun-06	6	Soil	39.72					28-Jun-06	28-Jun-06	104.1715	5.653893	Screen Excavation		
28-Jun-06	7	Soil	38.2					28-Jun-06	28-Jun-06	1309.709	20.15181	Screen Excavation		
28-Jun-06	8	Soil	38.2					28-Jun-06	28-Jun-06	533.2615	11.45082	Screen Excavation		
28-Jun-06	9	Soil	40.25					28-Jun-06	28-Jun-06	33.28829	3.605799	Screen Excavation		
28-Jun-06	10	Soil	40.61					28-Jun-06	28-Jun-06	996.9973	17.8283	Screen Excavation		
28-Jun-06	11	Soil	40.64					28-Jun-06	28-Jun-06	610.5446	13.13346	Screen Excavation		
28-Jun-06	12	Soil	40.42					28-Jun-06	28-Jun-06	551.5961	12.29019	Screen Excavation		
28-Jun-06	13	Soil	44.97					28-Jun-06	28-Jun-06	33.84041	4.082269	Screen Excavation		
28-Jun-06	14	Soil	39.85					28-Jun-06	28-Jun-06	122.5604	5.655769	Screen Excavation		
28-Jun-06	15	Soil	40.73					28-Jun-06	28-Jun-06	175.7972	6.729553	Screen Excavation		
28-Jun-06	16	Soil	40.62					28-Jun-06	28-Jun-06	189.8836	6.96654	Screen Excavation		
28-Jun-06	17	Soil	39.6					28-Jun-06	28-Jun-06	421.4228	10.16701	Screen Excavation		
28-Jun-06	18	Soil	41.84					28-Jun-06	28-Jun-06	17.90557	3.283883	Screen Excavation		
28-Jun-06	19	Soil	40.16					28-Jun-06	28-Jun-06	222.9214	7.438206	Screen Excavation		
28-Jun-06	20	Soil	43.06					28-Jun-06	28-Jun-06	27.03551	3.762727	Screen Excavation		
28-Jun-06	21	Soil	41.56					28-Jun-06	28-Jun-06	59.71029	4.435123	Screen Excavation		
28-Jun-06	22	Standardiz	57.37	0.0196	215	-0.0078	PASS	28-Jun-06	28-Jun-06			Screen Excavation		
28-Jun-06	23	Soil	39.73					28-Jun-06	28-Jun-06	261.4691	8.045918	Screen Excavation		
28-Jun-06	24	Soil	38.9					28-Jun-06	28-Jun-06	27.718	3.392416	Screen Excavation		
28-Jun-06	25	Soil	39.1					28-Jun-06	28-Jun-06	122.8114	5.556441	Screen Excavation		
28-Jun-06	26	Soil	40.18					28-Jun-06	28-Jun-06	381.8117	9.887938	Screen Excavation		
28-Jun-06	27	Soil	40.34					28-Jun-06	28-Jun-06	149.3668	6.17101	Screen Excavation		
28-Jun-06	28	Soil	39.16					28-Jun-06	28-Jun-06	645.1675	13.06996	Screen Excavation		
28-Jun-06	29	Soil	41.1					28-Jun-06	28-Jun-06	27.05504	3.486079	Screen Excavation		
28-Jun-06	30	Soil	41.22					28-Jun-06	28-Jun-06	410.397	10.90145	Screen Excavation		
28-Jun-06	31	Soil	42.56					28-Jun-06	28-Jun-06	55.08415	4.782086	Screen Excavation		
28-Jun-06	32	Soil	40.75					28-Jun-06	28-Jun-06	127.1259	5.862006	Screen Excavation		
28-Jun-06	33	Soil	41.27					28-Jun-06	28-Jun-06	41.94346	3.877484	Screen Excavation		
28-Jun-06	34	Soil	39.63					28-Jun-06	28-Jun-06	41.92387	3.792711	Screen Excavation		
28-Jun-06	35	Soil	40.36					28-Jun-06	28-Jun-06	8.856518	2.899746	Screen Excavation		
28-Jun-06	36	Soil	39.24					28-Jun-06	28-Jun-06	22.65435	3.317713	Screen Excavation		
28-Jun-06	37	Soil	38.98					28-Jun-06	28-Jun-06	389.1353	9.741661	Screen Excavation		
28-Jun-06	38	Soil	44.24					28-Jun-06	28-Jun-06	823.4755	16.40396	Screen Excavation		
28-Jun-06	39	Soil	38.96					28-Jun-06	28-Jun-06	505.1206	11.2713	Screen Excavation		
28-Jun-06	40	Soil	43.1					28-Jun-06	28-Jun-06	1243.208	22.39036	Screen Excavation		
28-Jun-06	41	Soil	42.72					28-Jun-06	28-Jun-06	176.3344	7.000853	Screen Excavation		
28-Jun-06	42	Soil	41.19					28-Jun-06	28-Jun-06	1058.24	18.98833	Screen Excavation		
28-Jun-06	43	Soil	39.54					28-Jun-06	28-Jun-06	347.1546	9.312408	Screen Excavation		
28-Jun-06	44	Soil	39.94					28-Jun-06	28-Jun-06	545.9297	12.02701	Screen Excavation		
28-Jun-06	45	Soil	40.28					28-Jun-06	28-Jun-06	43.96749	3.861404	Screen Excavation		
28-Jun-06	46	Soil	39.2					28-Jun-06	28-Jun-06	950.9344	16.76496	Screen Excavation		
28-Jun-06	47	Soil	40.53					28-Jun-06	28-Jun-06	129.0322	5.821362	Screen Excavation		

Matteo
XRF Results
June 29, 2006

Date	Reading	Mode	LiveTime	Match1	MN1	Pass/Fall	Pass Fall S	Date	Date	Pb	Pb +/-	Station	Comment
29-Jun-06	1	Standardiz	54.21	0.0196	219	-0.0054	PASS	29-Jun-06	29-Jun-06				
29-Jun-06	2	Soil	41.76					29-Jun-06	29-Jun-06	20.87644	3.595909	NIST 2709	
29-Jun-06	3	Soil	39.25					29-Jun-06	29-Jun-06	5356.665	75.31109	NIST 2710	
29-Jun-06	4	Soil	39.43					29-Jun-06	29-Jun-06	<LOD	5.940308	BLANK	
29-Jun-06	5	Standardiz	54.29	0.0196	219	-0.0067	PASS	29-Jun-06	29-Jun-06				
29-Jun-06	6	Soil	30.64					29-Jun-06	29-Jun-06	483.9119	37.64908	Screen Excavation	
29-Jun-06	7	Soil	39.62					29-Jun-06	29-Jun-06	254.3994	7.764459	7+85	
29-Jun-06	8	Soil	36.21					29-Jun-06	29-Jun-06	1011.587	16.67208	Screen Excavation	
29-Jun-06	9	Soil	38.6					29-Jun-06	29-Jun-06	126.7384	5.576254	Screen Excavation	
29-Jun-06	10	Soil	39.09					29-Jun-06	29-Jun-06	1522.927	23.3638	Screen Excavation	
29-Jun-06	11	Soil	39.78					29-Jun-06	29-Jun-06	193.7128	7.026012	Screen Excavation	
29-Jun-06	12	Soil	37.85					29-Jun-06	29-Jun-06	519.7003	11.09097	Screen Excavation	
29-Jun-06	13	Soil	41.1					29-Jun-06	29-Jun-06	1885.68	28.3414	Screen Excavation	
29-Jun-06	14	Soli	37.93					29-Jun-06	29-Jun-06	328.0372	8.591805	7+15 @ 104	
29-Jun-06	15	Soil	40.64					29-Jun-06	29-Jun-06	2863.861	39.68208	Screen Excavation	
29-Jun-06	16	Soil	38.69					29-Jun-06	29-Jun-06	342.6873	9.006956	Screen Excavation	
29-Jun-06	17	Soil	37.67					29-Jun-06	29-Jun-06	78.86049	4.848712	Screen Excavation	
29-Jun-06	18	Soil	37.76					29-Jun-06	29-Jun-06	261.6253	7.641232	6+77 @ 90	
29-Jun-06	19	Soil	38.19					29-Jun-06	29-Jun-06	1042.617	17.28761	Screen Excavation	
29-Jun-06	20	Standardiz	56.12	0.0196	220	-0.0079	PASS	29-Jun-06	29-Jun-06				
29-Jun-06	21	Fast ID	3.5	NO MATCH				29-Jun-06	29-Jun-06	ND			
29-Jun-06	22	Analytical	50.16	NO MATCH				29-Jun-06	29-Jun-06	2404.9	223.26		
29-Jun-06	23	Analytical	52.53	NO MATCH				29-Jun-06	29-Jun-06	ND			
29-Jun-06	24	Fast ID	41.83	NO MATCH				29-Jun-06	29-Jun-06	ND			
29-Jun-06	25	Fast ID	45.7	NO MATCH				29-Jun-06	29-Jun-06	ND			
29-Jun-06	26	Fast ID	42.04	NO MATCH				29-Jun-06	29-Jun-06	ND			
29-Jun-06	27	Fast ID	45.61	NO MATCH				29-Jun-06	29-Jun-06	ND			
29-Jun-06	28	Standardiz	57.38	0.0196	219	-0.0069	PASS	29-Jun-06	29-Jun-06				
29-Jun-06	29	Soil	38.91					29-Jun-06	29-Jun-06	167.8891	6.359154	Screen Excavation	
29-Jun-06	30	Soil	36.15					29-Jun-06	29-Jun-06	2319.914	30.89925	Screen Excavation	
29-Jun-06	31	Soil	34.29					29-Jun-06	29-Jun-06	1504.392	52.31816	Screen Excavation	
29-Jun-06	32	Soil	36.64					29-Jun-06	29-Jun-06	118.3569	4.939501	Screen Excavation	
29-Jun-06	33	Soil	39.1					29-Jun-06	29-Jun-06	431.7808	10.36343	Screen Excavation	
29-Jun-06	34	Soil	31.66					29-Jun-06	29-Jun-06	1342.277	32.33844	Screen Excavation	
29-Jun-06	35	Soil	37.86					29-Jun-06	29-Jun-06	116.857	5.318464	Screen Excavation	
29-Jun-06	36	Soil	44.37					29-Jun-06	29-Jun-06	89.96253	6.02171	Screen Excavation	
29-Jun-06	37	Soil	36.81					29-Jun-06	29-Jun-06	3559.377	60.9529	Screen Excavation	
29-Jun-06	38	Soil	37.54					29-Jun-06	29-Jun-06	439.7921	20.54435	Screen Excavation	
29-Jun-06	39	Soil	37.73					29-Jun-06	29-Jun-06	62.52369	4.217009	Screen Excavation	
29-Jun-06	40	Soil	38.08					29-Jun-06	29-Jun-06	1316.288	20.62597	Screen Excavation	
29-Jun-06	41	Soil	35.58					29-Jun-06	29-Jun-06	385.3256	9.05153	Screen Excavation	
29-Jun-06	42	Soil	39.11					29-Jun-06	29-Jun-06	218.7784	7.365953	Screen Excavation	
29-Jun-06	43	Soil	12.14					29-Jun-06	29-Jun-06	196882.3	6369.28	Screen Excavation	
29-Jun-06	44	Soil	18.72					29-Jun-06	29-Jun-06	238.9702	18.18181	Screen Excavation	
29-Jun-06	45	Soil	38.57					29-Jun-06	29-Jun-06	30.56109	3.431767	Screen Excavation	
29-Jun-06	46	Soil	35.67					29-Jun-06	29-Jun-06	13323.83	165.2893	Screen Excavation	
29-Jun-06	47	Soil	32.6					29-Jun-06	29-Jun-06	1284.301	18.92287	Screen Excavation	
29-Jun-06	48	Soil	16.32					29-Jun-06	29-Jun-06	182711.3	5428.763	Screen Excavation	
29-Jun-06	49	Soil	40.37					29-Jun-06	29-Jun-06	55.82166	4.319105	Screen Excavation	
29-Jun-06	50	Soil	36.25					29-Jun-06	29-Jun-06	51.43334	3.66063	Screen Excavation	
29-Jun-06	51	Soil	33.41					29-Jun-06	29-Jun-06	83.93815	4.074235	Screen Excavation	

Matteo
XRF Results
June 30, 2006

Date	Reading	Mode	LiveTime	Match1	MN1	Pass/Fail	Pass Fail S	Date	Date	Pb	Pb +/-	Station	Comment	
30-Jun-06	1	Standardiz	55.1	0.0196	218	-0.0035	PASS	30-Jun-06	30-Jun-06					
30-Jun-06	2	Soil	42.07					30-Jun-06	30-Jun-06	20.11739	3.573837	NIST 2709		
30-Jun-06	3	Soil	38.95					30-Jun-06	30-Jun-06	5604.6	79.07214	NIST 2710		
30-Jun-06	4	Soil	39.18					30-Jun-06	30-Jun-06	<LOD	6.564403	BLANK		
30-Jun-06	5	Standardiz	56.93	0.0196	217	-0.005	PASS	30-Jun-06	30-Jun-06					
30-Jun-06	6	Soil	39.24					30-Jun-06	30-Jun-06	168.3478	6.333632	Screen excavation		
30-Jun-06	7	Soil	36.84					30-Jun-06	30-Jun-06	1008.795	16.69452	Screen excavation		
30-Jun-06	8	Soil	40.92					30-Jun-06	30-Jun-06	1334.384	21.908	Screen excavation		
30-Jun-06	9	Soil	38.93					30-Jun-06	30-Jun-06	195.8656	6.928781	Screen excavation		
30-Jun-06	10	Standardiz	55.35	0.0196	217	-0.0087	PASS	30-Jun-06	30-Jun-06			Screen excavation		
30-Jun-06	11	Soil	42.12					30-Jun-06	30-Jun-06	621.1609	13.14542	Screen excavation		
30-Jun-06	12	Soil	42.36					30-Jun-06	30-Jun-06	667.7025	14.28203	Screen excavation		
30-Jun-06	13	Soli	37.46					30-Jun-06	30-Jun-06	409.5801	9.765009	Screen excavation		
30-Jun-06	14	Soil	38.04					30-Jun-06	30-Jun-06	359.7102	9.223884	Screen excavation		
30-Jun-06	15	Standardiz	57.1	0.0196	216	-0.0073	PASS	30-Jun-06	30-Jun-06					
30-Jun-06	16	Soil	39.77					30-Jun-06	30-Jun-06	112.977	5.553242	6+55 @ 100		
30-Jun-06	17	Soli	42.71					30-Jun-06	30-Jun-06	311.4592	9.412482	6+55 @ 87		
30-Jun-06	18	Soil	43.2					30-Jun-06	30-Jun-06	338.8942	9.982136	Screen excavation		
30-Jun-06	19	Soil	42.66					30-Jun-06	30-Jun-06	122.8328	6.068432	6+25 @ 101		
30-Jun-06	20	Soil	40.94					30-Jun-06	30-Jun-06	440.068	10.95478	Screen excavation		
30-Jun-06	21	Soil	40.08					30-Jun-06	30-Jun-06	1095.946	18.81379	Screen excavation		
30-Jun-06	22	Soli	38.85					30-Jun-06	30-Jun-06	273.5054	7.997312	6+25 @ 89	sidewall	
30-Jun-06	23	Soli	41.74					30-Jun-06	30-Jun-06	230.2082	7.957531	Screen excavation		
30-Jun-06	24	Standardiz	173.85	0	0	0		30-Jun-06	30-Jun-06					
30-Jun-06	25	Standardiz	57.22	0.0196	219	-0.0083	PASS	30-Jun-06	30-Jun-06					
30-Jun-06	26	Soli	39.3					30-Jun-06	30-Jun-06	189.575	6.740354	Screen excavation		
30-Jun-06	27	Soil	38.41					30-Jun-06	30-Jun-06	64.80061	4.240254	Screen excavation		
30-Jun-06	28	Soil	40.08					30-Jun-06	30-Jun-06	220.5046	7.632548	Screen excavation		
30-Jun-06	29	Soil	40.72					30-Jun-06	30-Jun-06	298.0131	8.561201	Screen excavation		
30-Jun-06	30	Soil	36.67					30-Jun-06	30-Jun-06	581.8066	11.44197	Screen excavation		
30-Jun-06	31	Soil	39.82					30-Jun-06	30-Jun-06	766.4095	14.78235	Screen excavation		
30-Jun-06	32	Soil	40.6					30-Jun-06	30-Jun-06	549.1768	12.28243	Screen excavation		
30-Jun-06	33	Soil	37.21					30-Jun-06	30-Jun-06	445.6071	10.20587	Screen excavation		
30-Jun-06	34	Soil	38.52					30-Jun-06	30-Jun-06	256.064	7.604856	Screen excavation		
30-Jun-06	35	Soli	37.24					30-Jun-06	30-Jun-06	309.2603	8.333364	Screen excavation		
30-Jun-06	36	Soil	38.59					30-Jun-06	30-Jun-06	5795.1	74.674	Screen excavation		
30-Jun-06	37	Soil	41.85					30-Jun-06	30-Jun-06	2745.881	37.93918	Screen excavation		
30-Jun-06	38	Soil	38.12					30-Jun-06	30-Jun-06	973.2152	16.75823	Screen excavation		
30-Jun-06	39	Soil	38.04					30-Jun-06	30-Jun-06	65.17906	4.387661	Screen excavation		
30-Jun-06	40	Soil	39.12					30-Jun-06	30-Jun-06	88.31062	4.75452	Screen excavation		

Matteo
XRF Results
July 2, 2006

Date	Reading	Mode	LiveTime	Match1	MN1	Pass/Fall	Pass Fail S	Date	Date	Pb	Pb +/-	Station	Comments	Comments
2-Jul-06	1	Standardiz	52.91	0.0196	219	-0.0049	PASS	2-Jul-06	2-Jul-06					
2-Jui-06	2	Soil	41.74					2-Jul-06	2-Jul-06	20.50577	3.601665	NIST 2709		
2-Jul-06	3	Soli	38.88					2-Jul-06	2-Jul-06	5584.066	79.03558	NIST 2710		
2-Jul-06	4	Soil	39.17					2-Jul-06	2-Jul-06	<LOD	6.529291	BLANK		
2-Jul-06	5	Soil	37.32					2-Jul-06	2-Jul-06	2378.454	31.89902	8+20 @ 124	dry baggie	
2-Jul-06	6	Soil	40.13					2-Jul-06	2-Jul-06	3774.283	50.47962	8+20 @ 124	dry cup	
2-Jul-06	7	Soli	38.8					2-Jul-06	2-Jul-06	28.13316	3.942046	8+12 @ 107	dry baggie	
2-Jul-06	8	Soil	40					2-Jul-06	2-Jul-06	50.18914	5.51886	8+12 @ 107	dry cup	
2-Jul-06	9	Soil	37.65					2-Jul-06	2-Jul-06	3070.432	40.48011	8+45 2 113	dry baggie	
2-Jul-06	10	Soli	40.02					2-Jul-06	2-Jul-06	3980.82	53.857	8+45 @ 113	dry cup	
2-Jul-06	11	Soil	38.52					2-Jul-06	2-Jul-06	36.20746	3.900757	6+55 @100	dry baggie	
2-Jul-06	12	Soli	40.69					2-Jul-06	2-Jul-06	96.1851	5.523735	6+55 @ 100	dry cup	
2-Jul-06	13	Soil	39.34					2-Jul-06	2-Jul-06	324.6339	8.718448	6+77 @ 90	dry baggie	sidewall
2-Jul-06	14	Soil	40.17					2-Jul-06	2-Jul-06	519.5067	11.81999	6+77 @ 90	dry cup	sidewall
2-Jul-06	15	Soil	39.79					2-Jul-06	2-Jul-06	517.7624	11.76168	6+77 @ 90	dry cup	dup
2-Jul-06	16	Soli	39.43					2-Jul-06	2-Jul-06	337.3568	9.188231	6+60 @ 125	dry baggie	sidewall
2-Jul-06	17	Soil	41.42					2-Jul-06	2-Jul-06	343.2031	9.307182	6+60 @ 125	dry cup	sidewall
2-Jul-06	18	Soil	38.43					2-Jul-06	2-Jul-06	301.4461	8.487351	6+85 @105	dry baggie	
2-Jul-06	19	Soil	40.98					2-Jul-06	2-Jul-06	329.0333	9.357259	6+85 @ 105	dry cup	
2-Jul-06	20	Soli	38.15					2-Jul-06	2-Jul-06	175.3159	6.440434	7+45 @ 105	dry baggie	
2-Jul-06	21	Soil	40.56					2-Jul-06	2-Jul-06	209.5834	7.335544	7+45 @ 105	dry cup	
2-Jul-06	22	Soil	37.66					2-Jul-06	2-Jul-06	186.8643	6.587744	6+25 @ 89	dry baggie	
2-Jul-06	23	Soil	40.48					2-Jul-06	2-Jul-06	164.0797	6.506678	6+25 @ 89	dry cup	
2-Jul-06	24	Soil	38.63					2-Jui-06	2-Jui-06	1052.499	17.88197	7+15 @ 104	dry baggie	
2-Jul-06	25	Soil	38.02					2-Jul-06	2-Jul-06	367.1357	9.576857	6+25 @ 101	6 in. deep	
2-Jul-06	26	Soil	40.35					2-Jul-06	2-Jul-06	838.1006	16.06105	7+15 @ 104	dry cup	
2-Jul-06	27	Soli	39.34					2-Jul-06	2-Jul-06	2372.836	32.97935	8+00 @ 92	D-13	
2-Jul-06	28	Soil	39.77					2-Jul-06	2-Jul-06	301.5466	8.693329	6+25 @ 101	6 in. deep	
2-Jul-06	29	Soil	40.16					2-Jul-06	2-Jul-06	2440.762	36.15627	8+00 @ 92	D-13	
2-Jul-06	30	Soil	38.95					2-Jul-06	2-Jul-06	356.4765	9.13256	6+55 @ 89	dry baggie	
2-Jul-06	31	Soil	39.92					2-Jui-06	2-Jui-06	480.357	11.5263	6+55 @ 89	dry cup	
2-Jul-06	32	Soil	39.06					2-Jul-06	2-Jul-06	134.4066	6.228069	7+85 @ 105	6 in. deep	
2-Jul-06	33	Soli	40.53					2-Jul-06	2-Jul-06	205.3653	7.665623	7+85 @ 105	6 in. deep	
2-Jul-06	34	Soil	40.1					2-Jul-06	2-Jui-06	856.8248	17.1823	4+50 @ 150	wet baggie	Matteo Yard
2-Jul-06	35	Soli	41.74					2-Jul-06	2-Jul-06	1286.533	23.93986	4+50 @ 150	dry cup	Matteo Yard
2-Jul-06	36	Soil	39.36					2-Jul-06	2-Jul-06	<LOD	6.435541		BLANK	

Matteo
XRF Results
July 3, 2006

Date	Reading	Mode	LiveTime	Match1	MN1	Pass/Fail	Pass Fail S	Date	Date	Pb	Pb +/-	Station	
3-Jul-06	1	Standardiz	54.63	0.0196	219	-0.0052	PASS	3-Jul-06	3-Jul-06				
3-Jul-06	2	Soil	41.79					3-Jul-06	3-Jul-06	23.79193	3.729666	NIST 2709	
3-Jul-06	3	Soil	39.22					3-Jul-06	3-Jul-06	5654.951	80.94954	NIST 2710	
3-Jul-06	4	Soil	39.39					3-Jul-06	3-Jul-06	<LOD	6.53531	BLANK	
3-Jul-06	5	Standardiz	54.05	0.0196	220	-0.0053	PASS	3-Jul-06	3-Jul-06				
3-Jul-06	6	Soil	39.99					3-Jul-06	3-Jul-06	344.305	9.40048	Screen Excavation	
3-Jul-06	7	Soil	39.07					3-Jul-06	3-Jul-06	541.5023	11.4609	Screen Excavation	
3-Jul-06	8	Soil	40.8					3-Jul-06	3-Jul-06	243.9753	7.763127	Screen Excavation	
3-Jul-06	9	Soil	37.24					3-Jul-06	3-Jul-06	915.7358	16.19045	Screen Excavation	
3-Jul-06	10	Soil	40.36					3-Jul-06	3-Jul-06	548.2346	11.98818	Screen Excavation	
3-Jul-06	11	Soil	39.26					3-Jul-06	3-Jul-06	749.5409	15.03544	Screen Excavation	
3-Jul-06	12	Soil	40.46					3-Jul-06	3-Jul-06	528.7285	12.37975	Screen Excavation	
3-Jul-06	13	Soil	39.52					3-Jul-06	3-Jul-06	220.4012	7.671724	Screen Excavation	
3-Jul-06	14	Soil	41.03					3-Jul-06	3-Jul-06	330.9034	9.322119	Screen Excavation	
3-Jul-06	15	Soil	38.81					3-Jul-06	3-Jul-06	659.8884	13.37099	Screen Excavation	
3-Jul-06	16	Soil	39.96					3-Jul-06	3-Jul-06	1254.222	20.66215	Screen Excavation	
3-Jul-06	17	Soil	41.21					3-Jul-06	3-Jul-06	219.3581	7.438505	Screen Excavation	
3-Jul-06	18	Soil	40.14					3-Jul-06	3-Jul-06	881.2625	16.34312	Screen Excavation	
3-Jul-06	19	Soil	42.03					3-Jul-06	3-Jul-06	459.4722	11.49999	Screen Excavation	
3-Jul-06	20	Soil	40.1					3-Jul-06	3-Jul-06	721.1863	14.11867	Screen Excavation	
3-Jul-06	21	Soil	40.22					3-Jul-06	3-Jul-06	527.2715	11.9387	Screen Excavation	

Matteo
XRF Results
July 5, 2006

Date	Reading	Mode	LiveTime	Match1	MN1	Pass/Fail	Pass Fail S	Date	Date	Pb	Pb +/-	Station	Comment	Comment
6-Jul-06	1	Standardiz	142.31	0	0	0		5-Jui-06	5-Jul-06					
5-Jul-06	2	Standardiz	55.78	0.0196	218	-0.009	PASS	5-Jul-06	5-Jul-06					
5-Jul-06	3	Soil	41.67					5-Jul-06	5-Jul-06	20.05483	3.598237	NIST 2709		
5-Jul-06	4	Soil	38.97					5-Jul-06	5-Jul-06	5581.878	80.0407	NIST 2710		
5-Jul-06	5	Soil	39.37					5-Jul-06	5-Jul-06	<LOD	6.482965	BLANK		
5-Jul-06	6	Soii	39.52					5-Jul-06	5-Jul-06	627.6627	13.78719	5+50 @ 100	wet baggie	
6-Jul-06	7	Soil	39.58					5-Jul-06	5-Jul-06	131.2468	5.882644	5+75 @ 100	wet baggie	
6-Jul-06	8	Soil	38.89					5-Jul-06	5-Jul-06	257.4066	7.697161	7+35 @88	wet baggie	
5-Jul-06	9	Soil	42					5-Jul-06	5-Jul-06	163.8271	6.536726	5+75 @92	wet baggie	
5-Jul-06	10	Soil	38.95					5-Jui-06	5-Jul-06	462.798	10.4172	7+75 @ 121	wet baggie	
5-Jul-06	11	Standardiz	63.39	0.0196	217	-0.0021	PASS	5-Jul-06	5-Jul-06					
6-Jul-06	12	Soil	37.17					5-Jul-06	5-Jul-06	117.6853	5.297288	Screen Excavation		
5-Jul-08	13	Soil	39.29					5-Jul-06	5-Jul-06	108.0579	5.259653	Screen Excavation		
5-Jul-0S	14	Soil	38.91					5-Jul-08	5-Jul-06	67.42329	4.359342	Screen Excavation		
5-Jul-06	15	Soil	37.23					5-Jul-06	5-Jul-06	948.3539	16.18325	Screen Excavation		
5-Jul-06	16	Soil	38.21					5-Jul-06	5-Jul-06	655.6531	13.20296	Screen Excavation		
5-Jul-06	17	Soil	37.67					5-Jul-06	5-Jul-06	1111.702	18.34346	Screen Excavation		
5-Jul-06	18	Soil	38.68					5-Jul-06	6-Jul-06	1220.888	19.64208	Screen Excavation		
5-Jul-06	19	Soil	37.47					5-Jul-05	5-Jul-06	2884.213	37.39992	Screen Excavation		
5-Jul-06	20	Soil	42.7					5-Jul-06	5-Jul-06	505.2442	12.36468	Screen Excavation		
6-Jul-06	21	Soil	40.1					5-Jui-06	5-Jui-06	109.1592	5.331791	Screen Excavation		
5-Jul-08	22	Soil	39.64					5-Jul-06	5-Jul-06	1334.085	21.85181	Screen Excavation		
5-Jul-06	23	Soil	46.14					5-Jul-06	5-Jui-06	753.8004	17.50363	Screen Excavation		
6-Jul-06	24	Soil	42.85					5-Jul-06	5-Jul-06	1282.177	22.32702	Screen Excavation		
6-Jul-06	25	Standardiz	53.54	0.0196	216	-0.0084	PASS	5-Jui-06	5-Jul-06					
5-Jul-06	26	Soil	37.85					5-Jul-06	5-Jul-06	534.1957	11.49711	Screen Excavation		
5-Jul-05	27	Soil	41.23					5-Jul-06	5-Jul-06	44.87023	3.941674	Screen Excavation		
5-Jul-06	28	Soil	39.38					5-Jul-06	5-Jul-06	290.528	8.409666	Screen Excavation		
5-Jul-06	29	Soil	38.88					5-Jui-06	5-Jul-06	1766.519	25.34077	7+35 @115	wet baggie	sidewall
5-Jul-06	30	Soil	38.98					5-Jul-06	5-Jul-06	296.5928	8.409149	5+76 @114	wet baggie	
5-Jul-06	31	Soil	38.63					5-Jul-06	5-Jul-06	448.8299	10.48734	5+11 @ 97	wet baggie	
5-Jul-06	32	Standardiz	56.03	0.0196	217	-0.0065	PASS	5-Jul-06	5-Jul-06					
5-Jul-06	33	Soil	43.15					5-Jul-06	5-Jul-06	67.63673	4.781951	Screen Excavation		
5-Jul-06	34	Soil	39.19					5-Jul-06	5-Jul-06	597.7766	12.70573	Screen Excavation		
5-Jul-0S	35	Soil	39.68					5-Jul-06	5-Jul-06	268.8654	8.072976	Screen Excavation		
6-Jul-06	36	Soil	39.77					5-Jul-05	5-Jul-06	126.8682	5.702837	Screen Excavation		
6-Jul-06	37	Soil	39.36					5-Jul-06	5-Jul-06	24.2671	3.215688	Screen Excavation		
5-Jul-06	38	Soil	39.54					5-Jul-06	5-Jul-06	129.0452	5.692258	Screen Excavation		
6-Jul-06	39	Soil	39.52					5-Jul-06	5-Jul-06	1577.211	23.99263	Screen Excavation		
5-Jul-06	40	Standardiz	54.53	0.0196	217	-0.0084	PASS	5-Jul-06	5-Jul-06					
5-Jul-05	41	Soil	37.78					5-Jul-06	5-Jul-06	2244.713	30.74953	7+35 @ 115	dry baggie	
6-Jul-06	42	Soii	39					5-Jul-06	5-Jul-06	579.0411	12.19871	5+11 @ 97	dry baggie	
5-Jul-06	43	Soil	39.41					5-Jui-06	5-Jul-06	113.0532	5.392225	5+75 @114		
5-Jul-06	44	Soil	40.09					5-Jul-06	5-Jul-06	129.2382	5.804028	5+75 @100		
5-Jul-06	45	Soil	39.28					5-Jul-06	5-Jul-06	162.2745	6.237487	5+75 @ 92		
6-Jul-06	46	Soil	40.21					5-Jul-06	5-Jul-06	1088.926	20.74921	5+50 @ 100		
5-Jul-06	47	Soil	41.31					6-Jul-06	5-Jul-06	899.665	18.46734	5+50 @ 100	dup	
5-Jul-06	48	Soil	39.69					5-Jul-06	5-Jul-06	536.8969	11.69048	7+75 @88		
5-Jul-06	49	Soil	39.09					5-Jul-06	5-Jul-06	303.0437	8.621997	7+35 @88	dry cup	
5-Jul-06	50	Soil	40.07					5-Jul-06	5-Jul-06	677.4884	13.72263	7+75 @ 121	dry cup	
5-Jul-06	51	Soil	39.73					5-Jul-06	5-Jul-06	425.8902	10.66326	7+35 @ 88	dry cup	
6-Jul-06	52	Soil	39.97					5-Jul-06	5-Jul-06	419.7391	10.50924	7+35 @ 88	dry cup	dup
5-Jul-06	53	Soil	41.49					5-Jul-06	5-Jul-06	1554.206	27.76409	5+50 @100	dry cup	
5-Jul-06	54	Soil	41.49					5-Jul-06	5-Jul-06	1557.173	27.69718	5+50 @100	dry cup	dup
6-Jul-06	55	Soil	40.12					5-Jul-06	6-Jul-06	296.2495	8.867914	5+75 @ 92	dry cup	
6-Jul-06	56	Soil	40.38					5-Jul-06	5-Jul-06	196.6539	7.358968	7+75 @ 100	dry cup	
5-Jul-0S	57	Soil	39.95					5-Jul-06	5-Jul-06	203.2074	7.652775	7+75 @ 100	dry cup	dup
6-Jul-06	58	Soil	39.96					5-Jul-06	5-Jul-06	153.1196	6.394703	7+75 @ 114	dry cup	
5-Jul-06	59	Soil	39.85					5-Jul-06	5-Jul-06	622.8481	13.24403	5+15 @ 97	dry cup	
5-Jul-06	60	Soil	39.76					5-Jul-06	6-Jul-06	3315.927	45.45253	7+35 @ 115	dry cup	
5-Jul-06	61	Soil	39.14					5-Jul-06	5-Jul-06	3777.211	51.0462	7+35 @115	dry cup	dup

Matteo
XRF Results
July 6, 2006

Date	Reading	Mode	LiveTime	Match1	MN1	Pass/Fail	Pass Fail S	Date	Date	Pb	Pb +/-	Comments	
6-Jui-06	1	Standardiz	54.2	0.0196	219	-0.0061	PASS	6-Jul-06	6-Jul-06				
6-Jui-06	2	Soil	35.71					6-Jul-06	6-Jul-06	21.47535	3.912343		
6-Jui-06	3	Soil	39.01					6-Jul-06	6-Jul-06	5491.567	77.53031		
6-Jui-06	4	Soii	39.51					6-Jul-06	6-Jul-06	<LOD	6.094029		
6-Jui-06	5	Standardiz	54.18	0.0196	219	-0.0249	PASS	6-Jul-06	6-Jul-06				
6-Jui-06	6	Soil	39.06					6-Jul-06	6-Jul-06	14.84213	2.896272	Screen Excavation	
6-Jui-06	7	Soii	38.49					6-Jul-06	6-Jul-06	11.52291	2.812049	Screen Excavation	
6-Jui-06	8	Soii	38.49					6-Jul-06	6-Jui-06	155.5753	6.076971	Screen Excavation	
6-Jui-06	9	Soil	37.88					6-Jul-06	6-Jul-06	123.9958	5.567497	Screen Excavation	
6-Jui-06	10	Soil	37.89					6-Jul-06	6-Jul-06	105.6907	5.206065	Screen Excavation	
6-Jui-06	11	Soii	37.97					6-Jui-06	6-Jui-06	1541.811	23.29615	Screen Excavation	
6-Jui-06	12	Soii	38.19					6-Jul-06	6-Jul-06	1533.59	23.22693	Screen Excavation	
6-Jui-06	13	Soii	39.35					6-Jul-06	6-Jul-06	366.2276	9.384512	Screen Excavation	
6-Jui-06	14	Soii	38.32					6-Jul-06	6-Jul-06	1111.708	18.13992	Screen Excavation	
6-Jui-06	15	Soii	37.41					6-Jul-06	6-Jul-06	2435.402	32.8227	Screen Excavation	
6-Jui-06	16	Soil	36.19					6-Jui-06	6-Jui-06	2589.112	33.79467	Screen Excavation	
6-Jui-06	17	Soil	41.51					6-Jui-06	6-Jul-06	663.686	14.01369	Screen Excavation	
6-Jui-06	18	Soii	42.63					6-Jul-06	6-Jui-06	319.3063	9.553604	Screen Excavation	
6-Jui-06	19	Soil	38.67					6-Jui-06	6-Jul-06	861.697	15.68733	Screen Excavation	
6-Jui-06	20	Soil	44.31					6-Jul-06	6-Jui-06	264.5368	9.364573	Screen Excavation	
6-Jui-06	21	Soii	42.24					6-Jul-06	6-Jui-06	1126.954	19.89155	Screen Excavation	
6-Jui-06	22	Soii	42.35					6-Jul-06	6-Jui-06	600.2864	13.37092	Screen Excavation	
6-Jui-06	23	Soii	47.56					6-Jul-06	6-Jui-06	785.0837	19.62101	Screen Excavation	
6-Jui-06	24	Soii	40.67					6-Jul-06	6-Jui-06	1045.659	18.5113	Screen Excavation	
6-Jui-06	25	Soil	41.21					6-Jul-06	6-Jul-06	907.6555	17.08108	Screen Excavation	
6-Jui-06	26	Soil	39.76					6-Jul-06	6-Jui-06	221.058	7.328547	Screen Excavation	
6-Jui-06	27	Standardiz	56.96	0.0196	218	-0.0276	PASS	6-Jul-06	6-Jui-06				
6-Jui-06	28	Soil	44.09					6-Jui-06	6-Jui-06	83.4876	5.327015	Screen Excavation	
6-Jui-06	29	Soil	41.17					6-Jul-06	6-Jui-06	148.3008	6.319752	Screen Excavation	
6-Jui-06	30	Soil	40.75					6-Jul-06	6-Jui-06	408.7353	10.28303	Screen Excavation	

Matteo
XRF Results
July 10, 2006

Date	Reading	Mode	LiveTime	Match1	MN1	Pass/Fail	Pass Fail S	Date	Date	Pb	Pb +/-	Station	
10-Jul-06	1	Standardiz	55.71	0.0196	219	-0.0044	PASS	10-Jul-06	10-Jul-06				
10-Jul-06	2	Soii	42.13					10-Jul-06	10-Jul-06	21.73106	3.652288	NiST 2709	
10-Jul-06	3	Soil	38.61					10-Jul-06	10-Jul-06	5622.802	79.63185	NiST 2710	
10-Jul-06	4	Soil	39.14					10-Jul-06	10-Jul-06	<LOD	6.903899	BLANK	
10-Jul-06	5	Standardiz	59.83	0.0196	221	-0.0072	PASS	10-Jul-06	10-Jul-06				
10-Jul-06	6	Soii	42.51					10-Jul-06	10-Jul-06	615.9293	13.98566	Screen Excavation	
10-Jul-06	7	Soil	39.47					10-Jul-06	10-Jul-06	1417.152	22.78908	Screen Excavation	
10-Jul-06	8	Soil	37.16					10-Jul-06	10-Jul-06	453.0696	10.48756	Screen Excavation	
10-Jul-06	9	Soil	41.4					10-Jul-06	10-Jul-06	850.4973	16.85916	Screen Excavation	
10-Jul-06	10	Soii	39.34					10-Jul-06	10-Jul-06	903.3122	16.86258	Screen Excavation	
10-Jul-06	11	Soil	37.04					10-Jul-06	10-Jul-06	3279.351	42.50431	Screen Excavation	
10-Jul-06	12	Soil	36.75					10-Jul-06	10-Jul-06	206.5677	6.890563	Screen Excavation	
10-Jul-06	13	Soil	40.19					10-Jul-06	10-Jul-06	238.9851	8.027728	Screen Excavation	
10-Jul-06	14	Soil	42.86					10-Jui-06	10-Jul-06	144.8721	6.798741	Screen Excavation	
10-Jul-06	15	Soil	32.91					10-Jul-06	10-Jul-06	7209.064	78.88747	Screen Excavation	
10-Jul-06	16	Standardiz	53.39	0.0196	218	-0.0098	PASS	10-Jul-06	10-Jul-06				
10-Jul-06	17	Soii	36.67					10-Jul-06	10-Jul-06	3507.421	44.53315	Screen Excavation	
10-Jul-06	18	Soil	27.92					10-Jul-06	10-Jul-06	1296.282	15.99441	Screen Excavation	
10-Jul-06	19	Soii	40.37					10-Jul-06	10-Jul-06	863.6168	16.39217	Screen Excavation	
10-Jul-06	20	Soil	41.55					10-Jul-06	10-Jui-06	779.5226	14.85597	Screen Excavation	
10-Jul-06	21	Soil	40.83					10-Jul-06	10-Jul-06	984.7577	17.89539	Screen Excavation	
10-Jul-06	22	Soil	40.5					10-Jul-06	10-Jul-06	563.3344	12.80367	Screen Excavation	
10-Jul-06	23	Soil	39.58					10-Jul-06	10-Jul-06	42.78282	4.092952	Screen Excavation	
10-Jul-06	24	Soil	38.63					10-Jul-06	10-Jul-06	10.09307	3.16307	Screen Excavation	
10-Jul-06	25	Soil	39.78					10-Jul-06	10-Jul-06	163.2137	6.440847	Screen Excavation	
10-Jul-06	26	Soil	37.99					10-Jul-06	10-Jul-06	183.1927	6.672652	Screen Excavation	
10-Jul-06	27	Soil	38.75					10-Jul-06	10-Jul-06	670.3851	13.63553	Screen Excavation	
10-Jul-06	28	Soil	39.02					10-Jul-06	10-Jul-06	45.87803	4.034095	Screen Excavation	
10-Jul-06	29	Soil	40.59					10-Jul-06	10-Jui-06	108.6353	5.947975	Screen Excavation	
10-Jul-06	30	Soil	39.27					10-Jul-06	10-Jul-06	8.714468	2.896776	Screen Excavation	
10-Jul-06	31	Soil	42.11					10-Jui-06	10-Jul-06	487.5267	12.03451	Screen Excavation	
10-Jul-06	32	Soii	38.41					10-Jul-06	10-Jul-06	31.66888	3.481053	Screen Excavation	
10-Jul-06	33	Soil	39.51					10-Jul-06	10-Jul-06	761.5134	15.00643	Screen Excavation	
10-Jul-06	34	Soil	39.49					10-Jul-06	10-Jul-06	272.4975	8.260467	Screen Excavation	
10-Jul-06	35	Soil	40.56					10-Jul-06	10-Jul-06	31.71026	3.862864	Screen Excavation	

Matteo
XRF Results
July 11, 2006

Date	Reading	Mode	LiveTime	Match1	MN1	Pass/Fall	Pass Fail S	Date	Date	Pb	Pb +/-	Station	Comment		
11-Jul-06	1	Standardiz	55.37	0.0196	218	-0.0056	PASS	11-Jul-06	11-Jul-06						
11-Jul-06	2	Soil	41.61					11-Jul-06	11-Jul-06	17.54576	3.522512	NIST 2709			
11-Jul-06	3	Soil	38.58					11-Jul-06	11-Jul-06	5639.105	78.95393	NIST 2710			
11-Jul-06	4	Soli	39.12					11-Jul-06	11-Jul-06	<LOD	6.747266	BLANK			
11-Jul-06	5	Soil	39.04					11-Jul-06	11-Jul-06	186.0466	6.865323	D-13	Sidewall in void 2 ' deep		
11-Jul-06	6	Soil	39.76					11-Jul-06	11-Jul-06	287.4188	8.136365	D-13	East end under trailer		
11-Jul-06	7	Soil	40.15					11-Jul-06	11-Jul-06	26.21786	3.798715	7+15 @ 100			
11-Jul-06	8	Soil	39.19					11-Jul-06	11-Jul-06	57.27986	4.051872	8+36 @ 87	dry baggie		
11-Jul-06	9	Soil	40.21					11-Jul-06	11-Jul-06	108.8238	5.424604	8+36 @ 87	dry cup		
11-Jul-06	10	Soil	39.13					11-Jul-06	11-Jul-06	10.91467	2.816002	8+15 @ 87	dry baggie		
11-Jul-06	11	Soil	39.54					11-Jul-06	11-Jul-06	19.11915	3.226493	8+15 @ 87	dry cup		
11-Jul-06	12	Soil	39.09					11-Jul-06	11-Jul-06	139.6504	5.740149	7+94 @ 83	dry baggie		
11-Jul-06	13	Soil	41.07					11-Jul-06	11-Jul-06	255.7933	7.873736	7+94 @ 83	dry cup		
11-Jul-06	14	Soil	40.75					11-Jul-06	11-Jul-06	33.06451	3.984749	7+15 @ 100	dry cup		
11-Jul-06	15	Soil	40.06					11-Jul-06	11-Jul-06	206.6131	7.155413	D-13	East end of trailer		
11-Jul-06	16	Soil	40.23					11-Jul-06	11-Jul-06	795.2549	15.24314	7+15 @ 104	dry cup		

Matteo
XRF Results
July 13, 2006

Date	Reading	Mode	LiveTime	Match1	MN1	Pass/Fail	Pass Fail S	Date	Date	Pb	Pb +/-	Station	
13-Jul-06	1	Standardiz	57.1	0.0196	219	-0.0078	PASS	13-Jul-06	13-Jul-06				
13-Jul-06	2	Soii	41.92					13-Jul-06	13-Jul-06	15.76652	3.46113	NiST 2709	
13-Jul-06	3	Soil	38.65					13-Jul-06	13-Jui-06	5675.64	80.01099	NiST 2710	
13-Jui-06	4	Soil	39.34					13-Jul-06	13-Jul-06	<LOD	6.414582	BLANK	
13-Jul-06	5	Standardiz	74.81	0	0	0		13-Jul-06	13-Jul-06				
13-Jul-06	6	Standardiz	57.47	0.0196	217	-0.0266	PASS	13-Jul-06	13-Jul-06				
13-Jul-06	7	Soil	39.4					13-Jul-06	13-Jul-06	173.0962	6.52095	Screen Excavation	
13-Jul-06	8	Soil	39.81					13-Jul-06	13-Jul-06	529.1808	11.80615	Screen Excavation	
13-Jul-06	9	Soil	39.05					13-Jul-06	13-Jul-06	464.1325	10.85386	Screen Excavation	
13-Jul-06	10	Soil	39.03					13-Jul-06	13-Jul-06	365.4252	9.420446	Screen Excavation	
13-Jul-06	11	Soil	39.46					13-Jul-06	13-Jui-06	385.0311	9.794179	Screen Excavation	
13-Jul-06	12	Soil	39.97					13-Jul-06	13-Jul-06	57.23939	4.226614	Screen Excavation	
13-Jul-06	13	Soil	38.54					13-Jui-06	13-Jul-06	32.51214	3.470361	Screen Excavation	
13-Jul-06	14	Soil	40.74					13-Jui-06	13-Jul-06	260.84	8.190234	Screen Excavation	

Matteo
XRF Results
July 17, 2006

Date	Reading	Mode	LiveTime	Match i	MN1	Pass/Fail	Pass Fail S	Date	Date	Pb	Pb +/-	Station	Actual Date			
19-Jul-06	1	Standardiz	56.59	0.0196	217	-0.0103	PASS	19-Jul-06	19-Jul-06							
19-Jul-06	2	Soil	42.68					19-Jul-06	19-Jul-06	17.98342	3.615458	NIST 2709	17-Jul-06	Set incorrect date in XRF		
19-Jul-06	3	Soil	39.78					19-Jul-06	19-Jul-06	5634.271	82.09773	NIST 2710	17-Jul-06			
19-Jul-06	4	Soil	40.37					19-Jul-06	19-Jul-06	<LOD	6.846576	Blank	17-Jul-06			
19-Jul-06	5	Standardiz	55.54	0.0196	220	-0.027	PASS	19-Jul-06	19-Jul-06				17-Jul-06			
19-Jul-06	6	Soil	40.34					19-Jul-06	19-Jul-06	782.2623	15.1899	Screeing Excavation	17-Jul-06			
19-Jul-06	7	Soil	38.91					19-Jul-06	19-Jul-06	233.6842	7.510049	Screeing Excavation	17-Jul-06			
19-Jul-06	8	Soil	45.55					19-Jul-06	19-Jul-06	410.6872	11.95768	Screeing Excavation	17-Jul-06			
19-Jul-06	9	Soil	41.78					19-Jul-06	19-Jul-06	592.9556	13.2476	Screeing Excavation	17-Jul-06			
19-Jul-06	10	Soil	39.75					19-Jul-06	19-Jul-06	876.2268	15.97665	Screeing Excavation	17-Jul-06			
19-Jul-06	11	Soil	40.93					19-Jul-06	19-Jul-06	503.8634	11.84933	Screeing Excavation	17-Jul-06			
19-Jul-06	12	Soil	40.48					19-Jul-06	19-Jul-06	259.8645	8.086874	Screeing Excavation	17-Jul-06			
19-Jul-06	13	Soil	40.69					19-Jul-06	19-Jul-06	670.0823	14.19724	Screeing Excavation	17-Jul-06			
19-Jul-06	14	Soil	41.24					19-Jul-06	19-Jul-06	1452.033	23.71851	Screeing Excavation	17-Jul-06			
19-Jul-06	15	Soil	41.69					19-Jul-06	19-Jul-06	434.9479	10.99401	Screeing Excavation	17-Jul-06			
19-Jul-06	16	Soil	42.48					19-Jul-06	19-Jul-06	536.1175	12.58644	Screeing Excavation	17-Jul-06			
19-Jul-06	17	Soil	40.74					19-Jul-06	19-Jul-06	193.6056	7.017421	Screeing Excavation	17-Jul-06			
19-Jul-06	18	Standardiz	57.18	0.0196	217	-0.0081	PASS	19-Jul-06	19-Jul-06			Screeing Excavation	17-Jul-06			
19-Jul-06	19	Soil	42.01					19-Jul-06	19-Jul-06	14.41664	3.457625	Screeing Excavation	17-Jul-06			
19-Jul-06	20	Soil	38.78					19-Jul-06	19-Jul-06	5571.577	78.27789	Screeing Excavation	17-Jul-06			
19-Jul-06	21	Soil	39.23					19-Jul-06	19-Jul-06	<LOD	6.243569	Screeing Excavation	17-Jul-06			
19-Jul-06	22	Standardiz	57.39	0.0196	218	-0.009	PASS	19-Jul-06	19-Jul-06			Screeing Excavation	17-Jul-06			
19-Jul-06	23	Soil	39.34					19-Jul-06	19-Jul-06	378.4897	9.196514	Screeing Excavation	17-Jul-06			
19-Jul-06	24	Soil	37.91					19-Jul-06	19-Jul-06	37.41287	3.62491	Screeing Excavation	17-Jul-06			
19-Jul-06	25	Soil	39.46					19-Jul-06	19-Jul-06	158.5892	6.174846	Screeing Excavation	17-Jul-06			
19-Jul-06	26	Soil	39.13					19-Jul-06	19-Jul-06	464.2243	10.86348	Screeing Excavation	17-Jul-06			
19-Jul-06	27	Soil	38.97					19-Jul-06	19-Jul-06	223.5253	7.238099	Screeing Excavation	17-Jul-06			
19-Jul-06	28	Soil	39.2					19-Jul-06	19-Jul-06	127.2845	5.638865	Screeing Excavation	17-Jul-06			
19-Jul-06	29	Soil	40.77					19-Jul-06	19-Jul-06	1469.524	23.66323	Screeing Excavation	17-Jul-06			
19-Jul-06	30	Soil	40.43					19-Jul-06	19-Jul-06	670.8942	13.89918	Screeing Excavation	17-Jul-06			
19-Jul-06	31	Soil	39.72					19-Jul-06	19-Jul-06	450.4491	10.71735	Screeing Excavation	17-Jul-06			
19-Jul-06	32	Soil	39.42					19-Jul-06	19-Jul-06	375.637	9.674393	Screeing Excavation	17-Jul-06			
19-Jul-06	33	Standardiz	54.71	0.0196	219	-0.008	PASS	19-Jul-06	19-Jul-06			Screeing Excavation	17-Jul-06			
19-Jul-06	34	Soil	39.99					19-Jul-06	19-Jul-06	171.9622	6.394616	Screeing Excavation	17-Jul-06			
19-Jul-06	35	Soil	39.33					19-Jul-06	19-Jul-06	340.6118	9.045804	Screeing Excavation	17-Jul-06			
19-Jul-06	36	Soil	38.2					19-Jul-06	19-Jul-06	375.925	9.361293	Screeing Excavation	17-Jul-06			
19-Jul-06	37	Soil	53.01					19-Jul-06	19-Jul-06	343.3835	15.61319	Screeing Excavation	17-Jul-06			
19-Jul-06	38	Soil	39.85					19-Jul-06	19-Jul-06	110.4625	5.258869	Screeing Excavation	17-Jul-06			

XRF Results
July 18, 2006

Date	Reading	Mode	LiveTime	Match1	MN1	Pass/Fail	Pass Fail S	Date	Date	Pb	Pb +/-	Comment	Comment							Time
20-Jul-06	1	Soil	40.62					20-Jul-06	18-Jul-06	247.9599	8.026872	Stockpile area	Put incorrect date in XRF							0:21:01
20-Jul-06	2	Soil	40.14					20-Jul-06	18-Jul-06	514.4985	11.85019	5+05 @ 100	Should be 7-18-06							0:30:46
20-Jul-06	3	Soil	40.6					20-Jul-06	18-Jul-06	325.4416	9.221512	8+34 @ 96								0:39:19
20-Jul-06	4	Soil	40.13					20-Jul-06	18-Jul-05	158.541	6.469477	7+78 @ 91								0:49:14
20-Jul-06	5	Soil	40.36					20-Jul-06	18-Jul-06	432.4207	10.77023	6+50 @ 89								0:58:21

Matteo/Willow Woods
June 26, 2006
XRF Readings (in ppm)

Sample No. 1	Sample No. 2	Sample No. 3
Station STD @	Station NIST @ LOW	Station NIST @ HIGH
Ti	Ti 3706	Ti 3334
Mn	Mn 447	Mn 10,232
Fe	Fe 31175	Fe 38115
Cu	Cu 34	Cu 2937
Zn =219	Zn 87	Zn 7076
Pb	*Pb* 23	*Pb* 5598
Rb	Rb 88	Rb 121
Sr	Sr 228	Sr 329
Zr	Zr 131	Zr 115
	#2709	

Sample No. 4	Sample No. #5	Sample No. #6
Station BLANK @	Station STD @	Station 5+35 @ 99 - 6" deep
Ti <537	Ti	Ti 4130
Mn <40	Mn	Mn 7257
Fe <34	Fe =217	Fe
Cu <17	Cu	Cu
Zn <8	Zn	Zn
Pb <7	*Pb*	*Pb* 20
Rb <2	Rb	Rb 16
Sr <3	Sr	Sr
Zr <5	Zr	Zr 289

Sample No. 7	Sample No. #8	Sample No. 9
Station 5+15 @ 97	Station 5+35 @ 97	Station 5+45 @ 93 SW
Ti 3695	Ti 3746	Ti 2698
Mn	Mn 85	Mn ~~4017~~
Fe 4268	Fe 7572	Fe 4017
Cu	Cu	Cu ~~#~~
Zn 20	Zn 18	Zn 11
Pb 527	*Pb* 20	*Pb* 120
Rb	Rb 15	Rb 10
Sr 13	Sr 14	Sr 14
Zr 328	Zr 282	Zr 186
	Dry Sample	

Matteo/Willow Woods
June 26, 2006
XRF Readings (in ppm)

Sample No.	10	11	12
Station	5+45 @ 115 SW	5+15 @ 97 SW	5+15 @ 97 duplicate
Ti	2637	348	2814
Mn	100	68	89
Fe	6804	4930	4892
Cu	26	28	24
Zn	40	20	29
Pb	436	513	572
Rb	22	11	15
Sr	34	15	24
Zr	304	267	247

Dry Sample

Sample No.	13	14	15
Station	5+45 @ ~~235~~ 115SW	STD @ 217	D-13 @ 38
Ti	3853		5821
Mn	139		100
Fe	6224		12 488
Cu			48
Zn	46		113
Pb	349		1656
Rb	15		25
Sr	20		35
Zr	260		329

Sample No.			
Station	@	@	@
Ti			
Mn			
Fe			
Cu			
Zn			
Pb			
Rb			
Sr			
Zr			

Matteo/Willow Woods
~~June 26, 2006~~ 6/27/06 Tues
XRF Readings (in ppm)

Sample No. 1	Sample No. 2	Sample No. 3
Station STD @ 221	Station NIST @ 2709	Station ___ @ ___
Ti	Ti 2725	Ti 2908
Mn	Mn 303	Mn 10,293
Fe	Fe 30594	Fe 37942
Cu	Cu	Cu 2905
Zn	Zn 90	Zn 6918
Pb	*Pb* 16	*Pb* 5535
Rb	Rb 88	Rb 117
Sr	Sr 218	Sr 324
Zr	Zr	Zr 112

Sample No. 4	Sample No. 5	Sample No. 6
Station BLANK @ ___	Station STD @ 215	Station 8+01 @ 116 @6" deep
Ti < 557	Ti	Ti 3666
Mn < ~~7942~~	Mn	Mn 163
Fe < ~~4234~~	Fe	Fe 3289
Cu < 17	Cu	Cu
Zn < 8	Zn	Zn 23
Pb < 6	*Pb*	*Pb* 21
Rb < 2	Rb	Rb 18
Sr < 3	Sr	Sr
Zr < 5	Zr	Zr

Sample No. 7	Sample No. 8	Sample No. 9
Station 8+01 @ 125 SW	Station 8+01 @ 133	Station 8+26 @ 118 - 6" deep.
Ti 2985	Ti 3303	Ti 7901
Mn 154	Mn 205	Mn
Fe 10,364	Fe 6913	Fe
Cu	Cu	Cu
Zn 55	Zn	Zn
Pb 673	*Pb* 200	*Pb* 27
Rb 23	Rb	Rb
Sr 22	Sr	Sr
Zr	Zr	Zr

Matteo/Willow Woods
~~June 26, 2006~~ 6/27/06
XRF Readings (in ppm)

Sample No. 10
Station @
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Sample No. 11
Station 8+132 @ 125' @ 6" deep
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Sample No. 10
Station 8+139 @ 124 @ 6"
Ti 5005
Mn
Fe 16,763
Cu
Zn 32
Pb 24
Rb 88
Sr 171
Zr 171

Sample No. 11
Station 8+48 @ 124 SW
Ti 2593
Mn 105
Fe 14,378
Cu
Zn 105
Pb 1364
Rb 19
Sr
Zr

Sample No. 12
Station 8+10 @ 75 front of D-13
Ti 2450
Mn
Fe 9386
Cu
Zn
Pb 595
Rb
Sr
Zr

Sample No. 13
Station 7+96 @ 73 front of D-13
Ti 671
Mn 116
Fe 6142
Cu
Zn
Pb 421
Rb
Sr
Zr

Sample No. 14
Station 8+02 @ 74 front of D-13
Ti 2300
Mn
Fe
Cu
Zn
Pb 759
Rb
Sr
Zr

Sample No. 46
Station 8+12 @ 107 6" deep
Ti 3285
Mn
Fe 34537
Cu
Zn
Pb 240
Rb 38
Sr
Zr 252

Sample No.
Station @
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Matteo/Willow Woods
~~Jmre 26, 2006~~ 6/27/06
XRF Readings (in ppm)

Sample No. 47
Station _____ @ _____
Ti _____
Mn _____
Fe _____
Cu _____
Zn _____
Pb _____
Rb _____
Sr _____
Zr _____

Sample No. 48
Station _____ @ _____
Ti _____
Mn _____
Fe _____
Cu _____
Zn _____
Pb _____
Rb _____
Sr _____
Zr _____

Sample No. 49
Station _____ @ _____
Ti _____
Mn _____
Fe _____
Cu _____
Zn _____
Pb _____
Rb _____
Sr _____
Zr _____

Sample No. 50
Station _____ @ _____
Ti 3946
Mn 152
Fe 9791
Cu 26
Zn 73
Pb 2317
Rb 16
Sr _____
Zr 253

Sample No. _____
Station _____ @ _____
Ti _____
Mn _____
Fe _____
Cu _____
Zn _____
Pb _____
Rb _____
Sr _____
Zr _____

Sample No. _____
Station _____ @ _____
Ti _____
Mn _____
Fe _____
Cu _____
Zn _____
Pb _____
Rb _____
Sr _____
Zr _____

Sample No. _____
Station _____ @ _____
Ti _____
Mn _____
Fe _____
Cu _____
Zn _____
Pb _____
Rb _____
Sr _____
Zr _____

Sample No. _____
Station _____ @ _____
Ti _____
Mn _____
Fe _____
Cu _____
Zn _____
Pb _____
Rb _____
Sr _____
Zr _____

Sample No. _____
Station _____ @ _____
Ti _____
Mn _____
Fe _____
Cu _____
Zn _____
Pb _____
Rb _____
Sr _____
Zr _____

Matteo/Willow Woods
June 26, 2006 6/28/06
XRF Readings (in ppm)

Sample No. 1	Sample No. 2	Sample No. 3
Station STD @ 219	Station NIST @ Low	Station NIST @ High
Ti	Ti 3063	Ti 2727
Mn	Mn 339 2709	Mn 10,885
Fe	Fe 31,078	Fe 38,479
Cu	Cu 37	Cu 3029
Zn	Zn 88	Zn 7216
Pb	*Pb* 16	*Pb* 5577
Rb	Rb 86	Rb 130
Sr	Sr 220	Sr 335
Zr	Zr 126	Zr 121

Sample No. 4	Sample No. 5	Sample No.
Station BLANK @ SiO_2	Station STD @ 218	Station @
Ti <551	Ti	Ti
Mn <40	Mn	Mn
Fe <35	Fe	Fe
Cu <19	Cu	Cu
Zn <8	Zn	Zn
Pb <6	*Pb*	*Pb*
Rb <3	Rb	Rb
Sr <3	Sr	Sr
Zr <5	Zr	Zr

Sample No.	Sample No.	Sample No.
Station @	Station @	Station @
Ti	Ti	Ti
Mn	Mn	Mn
Fe	Fe	Fe
Cu	Cu	Cu
Zn	Zn	Zn
Pb	*Pb*	*Pb*
Rb	Rb	Rb
Sr	Sr	Sr
Zr	Zr	Zr

Matteo/Willow Woods
June 26, 2006 6/29/06
XRF Readings (in ppm)

Sample No. 1
Station STD @ 219
Ti
Mn #1
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Sample No. 2
Station NIST @ Low
Ti 2771
Mn 463 #2709
Fe 30124
Cu
Zn 78
Pb 21
Rb 83
Sr 215
Zr 128

Sample No. #3
Station NIST @ High.
Ti 3164
Mn 10034
Fe 37729
Cu 2893
Zn 6787
Pb 5357
Rb 116
Sr 317
Zr 113

Sample No. 4
Station BLANK @
Ti <533
Mn < 45
Fe < 37
Cu < 17
Zn
Pb < 6
Rb < 2
Sr < 3
Zr < 5

Sample No. 5
Station STD @ 219
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Sample No. #7
Station 7+85 @
Ti 1316
Mn
Fe 9436
Cu
Zn
Pb 254
Rb
Sr 44
Zr 97

Sample No. #8
Station @
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Sample No.
Station 7+15 @ 104
Ti
Mn
Fe
Cn
Zn
Pb 328
Rb
Sr
Zr

Sample No.
Station @
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Matteo/Willow Woods
~~June 26, 2006~~ 6/28/06
XRF Readings (in ppm)

Sample No._____
Station _____@_____
Ti_____
Mn_____
Fe_____
Cu_____
Zn_____
*Pb*_____
Rb_____
Sr_____
Zr_____
_____

Sample No. 18
Station 6+77 @ 90
Ti 2379
Mn 79
Fe 8543
Cu 27
Zn 57
Pb 262
Rb_____
Sr_____
Zr_____
_____

Sample No. 19
Station _____@_____
Ti_____
Mn_____
Fe_____
Cu_____
Zn_____
*Pb*_____
Rb_____
Sr_____
Zr_____
_____

Sample No._____
Station _____@_____
Ti_____
Mn_____
Fe_____
Cu_____
Zn_____
*Pb*_____
Rb_____
Sr_____
Zr_____
_____

Sample No._____
Station _____@_____
Ti_____
Mn_____
Fe_____
Cu_____
Zn_____
*Pb*_____
Rb_____
Sr_____
Zr_____
_____

Sample No._____
Station _____@_____
Ti_____
Mn_____
Fe_____
Cu_____
Zn_____
*Pb*_____
Rb_____
Sr_____
Zr_____
_____

Sample No._____
Station _____@_____
Ti_____
Mn_____
Fe_____
Cu_____
Zn_____
*Pb*_____
Rb_____
Sr_____
Zr_____
_____

Sample No._____
Station _____@_____
Ti_____
Mn_____
Fe_____
Cn_____
Zn_____
*Pb*_____
Rb_____
Sr_____
Zr_____
_____

Sample No._____
Station _____@_____
Ti_____
Mn_____
Fe_____
Cu_____
Zn_____
*Pb*_____
Rb_____
Sr_____
Zr_____
_____

Matteo/Willow Woods
~~**June 26, 2006**~~ 6/30/06
XRF Readings (in ppm)

Sample No. 1
Station STD @ 218
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Sample No. 2
Station NIST @ LOW
Ti 3255
Mn 450
Fe 30926
Cu
Zn 86
Pb 20
Rb 88
Sr
Zr

Sample No. 3
Station NIST @ High
Ti 2484
Mn 10,393
Fe 38,505
Cu 3008
Zn 7015
Pb 5605
Rb
Sr
Zr

Sample No. 4
Station BLANK @
Ti <535
Mn <41
Fe <30
Cu <17
Zn
Pb <7
Rb <2
Sr <3
Zr <5

Sample No. 5
Station @
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Sample No. 6
Station @
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Sample No. 7
Station @
Ti
Mn
Fe
Cu
Zn
Pb 168
Rb
Sr
Zr

Sample No. 8
Station @
Ti
Mn
Fe
Cn
Zn
Pb 1034
Rb
Sr
Zr

Sample No. 9
Station @
Ti
Mn
Fe
Cu
Zn
Pb 196
Rb
Sr
Zr

Matteo/Willow Woods
~~June 26, 2006~~ 6-30-06
XRF Readings (in ppm)

Sample No. 16
Station 6+55 @ 100
Ti
Mn
Fe
Cu
Zn
Pb 113
Rb
Sr
Zr

Sample No. 17
Station 6+55 @ 87
Ti
Mn
Fe
Cu
Zn
Pb 311
Rb
Sr
Zr

Sample No. 18
Station @
Ti
Mn
Fe
Cu
Zn
Pb 339
Rb
Sr
Zr

Sample No. 19
Station 6+25 @ 101
Ti
Mn
Fe
Cu
Zn
Pb 123
Rb
Sr
Zr

Sample No. ~~20~~ 22
Station 6+25 @ 89 SW
Ti
Mn
Fe
Cu
Zn
Pb 274
Rb
Sr
Zr

Sample No.
Station @
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Sample No.
Station @
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Sample No.
Station @
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Sample No.
Station @
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Matteo/Willow Woods
~~**June 26, 2006**~~ 7/1/06
XRF Readings (in ppm)

Sample No.	1	**Sample No.**	2	**Sample No.**	3
Station	STD @ 218	**Station**	NIST @ 2709	**Station**	NIST @
Ti		**Ti**	3179	**Ti**	3313
Mn		**Mn**	476	**Mn**	10,374
Fe		**Fe**	32142	**Fe**	38561
Cu		**Cu**	31	**Cu**	3000
Zn		**Zn**		**Zn**	
Pb		***Pb***	22	***Pb***	5619
Rb		**Rb**	90	**Rb**	129
Sr		**Sr**	227	**Sr**	326
Zr		**Zr**	134	**Zr**	118

Sample No.	4	**Sample No.**	5	**Sample No.**	6
Station	BLANK @	**Station**	7+85 @ 105-6	**Station**	6+85 @ 105-6
Ti	<531	**Ti**	1157	**Ti**	1070
Mn	<41	**Mn**	90	**Mn**	
Fe	<33	**Fe**	18203	**Fe**	3128
Cu	<18	**Cu**		**Cu**	
Zn		**Zn**	25	**Zn**	21
Pb	<7	***Pb***	109	***Pb***	241
Rb	<3	**Rb**	25	**Rb**	14
Sr	<3	**Sr**	58	**Sr**	20
Zr	<5	**Zr**	109	**Zr**	168

Sample No.	7	**Sample No.**	8	**Sample No.**	9
Station	7+45 @ 105-6	**Station**	7+15 @ 104	**Station**	6+77 @ 90 SW
Ti	1471	**Ti**	1752	**Ti**	2926
Mn		**Mn**	69	**Mn**	64
Fe	4085	**Fe**	5722	**Fe**	8008
Cu	20	**Cu**		**Cu**	21
Zn	12	**Zn**		**Zn**	62
Pb	82	***Pb***	1091	***Pb***	373
Rb	8	**Rb**	17	**Rb**	21
Sr	18	**Sr**	22	**Sr**	30
Zr	145	**Zr**	282	**Zr**	253

Matteo/Willow Woods
~~Jnne 26, 2006~~ 7/1/06
XRF Readings (in ppm)

	Sample No. 10	Sample No. 11	Sample No. 12
Station	STD @ 220	8+00 @ 92-D-13	@
Ti		4011	2355
Mn		124	90
Fe		14439	6334
Cu		37	
Zn			54
Pb		2324	157
Rb		37	17
Sr		51	21
Zr		345	219

	Sample No. 13	Sample No. 14	Sample No. 15
Station	6+25 @ 89 aug	6+60 @ 125 SW	@
Ti	1861	2031	2920
Mn		110	101
Fe	7903	6184	8495
Cu			
Zn		33	71
Pb	184	180	364
Rb	15	20	17
Sr	20	23	25
Zr	230	302	253

	Sample No. 16	Sample No. 17 (MATTEO YARD)	Sample No. 18 (MATTEO YARD)
Station	STD @ 214	5+00 @ 50	5+00 @ 100
Ti			
Mn			
Fe			
Cu			
Zn			
Pb		129	ID
Rb			
Sr			
Zr			

Matteo/Willow Woods
~~June 26, 2006~~. 7-1-06
XRF Readings (in ppm)
MATTEO YARD

Sample No. 19	Sample No. 20	Sample No. 21
Station 5+00 @ 1+50	Station 5+00 @ 2+00	Station 5+00 @ 2+50
Ti	Ti	Ti
Mn	Mn	Mn
Fe	Fe	Fe
Cu	Cu	Cu
Zn	Zn	Zn
Pb 10	*Pb* 430	*Pb* 312
Rb	Rb	Rb
Sr	Sr	Sr
Zr	Zr	Zr

Sample No. 22	Sample No. 23	Sample No. 24
Station 5+00 @ 3+00	Station 5+50 @ 4+00	Station 5+50 @ 3+50
Ti	Ti	Ti
Mn	Mn	Mn
Fe	Fe	Fe
Cu	Cu	Cu
Zn	Zn	Zn
Pb 167	*Pb* 303	*Pb* 447
Rb	Rb	Rb
Sr	Sr	Sr
Zr	Zr	Zr

Sample No. 25	Sample No. 26	Sample No. 27
Station 5+50 @ 3+00	Station 5+50 @ 2+50	Station 5+50 @ 2+00
Ti	Ti	Ti
Mn	Mn	Mn
Fe	Fe	Fe
Cu	Cu	Cu
Zn	Zn	Zn
Pb 56	*Pb* 66	*Pb* 115
Rb	Rb	Rb
Sr	Sr	Sr
Zr	Zr	Zr

Matteo/Willow Woods
~~June 26, 2006~~ 7-1-06 MATTEO YARD
XRF Readings (in ppm)

Sample No. 28
Station 5+50 @ 1450
Ti
Mn
Fe
Cu
Zn
Pb 33
Rb
Sr
Zr

Sample No. 29
Station 5+50 @ 100
Ti
Mn
Fe
Cu
Zn
Pb 919
Rb
Sr
Zr

Sample No. 30
Station 5+50 @ 100
Ti
Mn
Fe
Cu
Zn
Pb 324
Rb
Sr
Zr

Sample No. 31
Station 5+50 @ 50
Ti
Mn
Fe
Cu
Zn
Pb 249
Rb
Sr
Zr

Sample No. 32
Station 6+00 @ 200
Ti
Mn
Fe
Cu
Zn
Pb 1179
Rb
Sr
Zr

INSIDE BLUE BIN

Sample No. 33
Station 6+00 @ 250
Ti
Mn
Fe
Cu
Zn
Pb 499
Rb
Sr
Zr

Sample No. 34
Station 6+00 @ 300
Ti
Mn
Fe
Cu
Zn
Pb 103
Rb
Sr
Zr

Sample No. 35
Station 6+00 @ 350
Ti
Mn
Fe
Cu
Zn
Pb 146
Rb
Sr
Zr

Sample No. 36
Station 6+00 @ 400
Ti
Mn
Fe
Cu
Zn
Pb 59
Rb
Sr
Zr

Matteo/Willow Woods
~~**June 26, 2006**~~ 7-1-06 MATTEO YARD
XRF Readings (in ppm)

Sample No. 37
Station 6+00 @ 450
Ti
Mn
Fe
Cu
Zn
Pb 137
Rb
Sr
Zr

Sample No. 38
Station 6+00 @ 500
Ti
Mn
Fe
Cu
Zn
Pb 112
Rb
Sr
Zr

Sample No. 39
Station 6+50 @ 550
Ti
Mn
Fe
Cu
Zn
Pb 618
Rb
Sr
Zr

Sample No. 40
Station 6+50 @ 500
Ti
Mn
Fe
Cu
Zn
Pb 47
Rb
Sr
Zr

Sample No. 41
Station 6+50 @ 450
Ti
Mn
Fe
Cu
Zn
Pb 112
Rb
Sr
Zr

Sample No. 42
Station 6+50 @ 400
Ti
Mn
Fe
Cu
Zn
Pb 683
Rb
Sr
Zr

Sample No. 43
Station 6+50 @ 460
Ti
Mn Dup
Fe
Cu
Zn
Pb 779
Rb
Sr
Zr

Sample No. 44
Station 7+00 @ 500
Ti
Mn
Fe
Cu
Zn
Pb 455
Rb
Sr
Zr

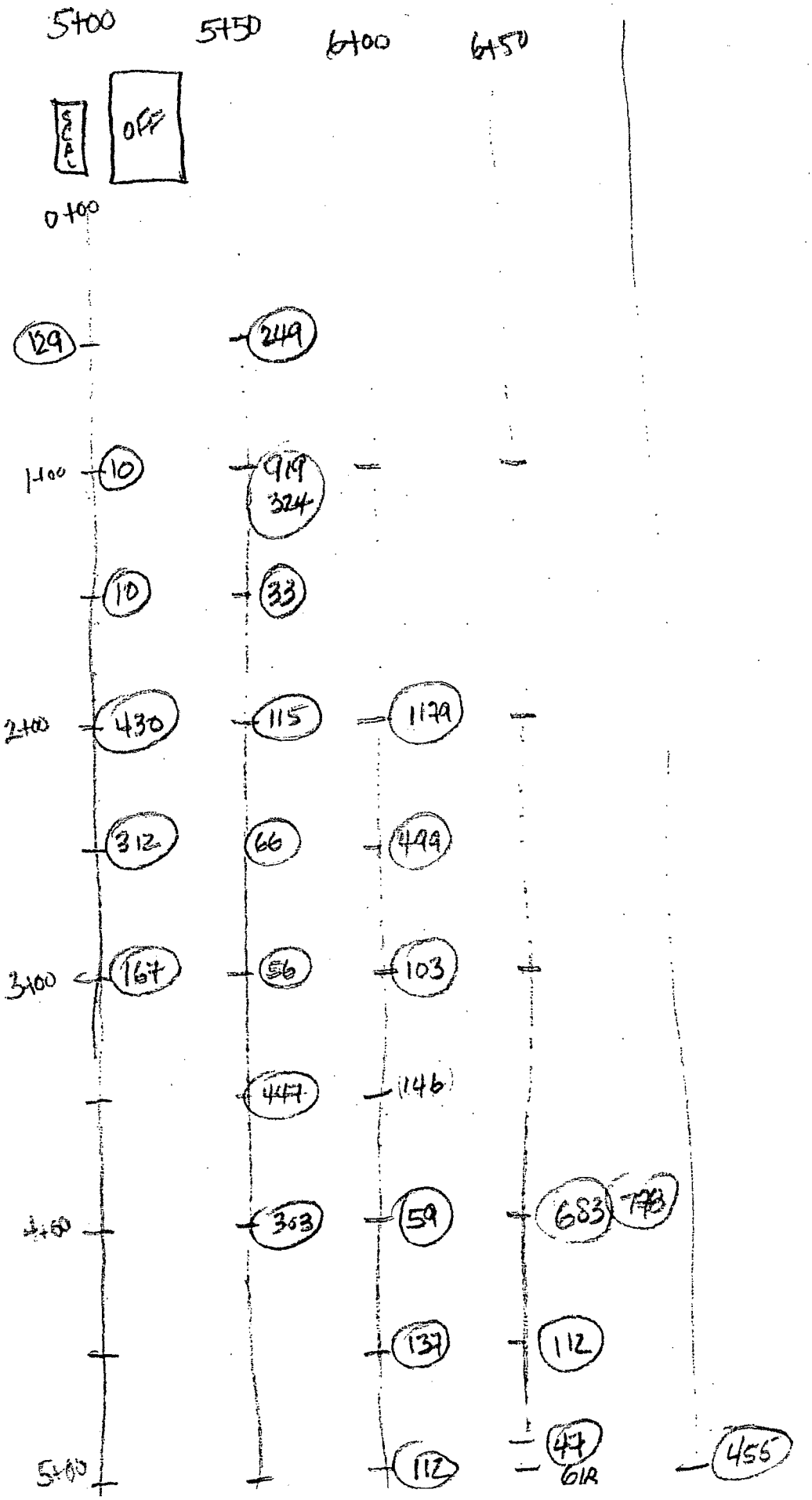
Sample No. 45
Station STD @ 215
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Matteo/Willow Woods
~~**June 26, 2006**~~ 7-1-06 MATTEO YARD
XRF Readings (in ppm)

Sample No. 46	**Sample No.** 47	**Sample No.** 48
Station 8+45 @ 113 SW	**Station** 6+55 @ 100	**Station** 8+12 @ 107
Ti 2913	**Ti** 1979	**Ti** 2450
Mn 117	**Mn** 87	**Mn** 418
Fe 19561	**Fe** 19.267	**Fe** 72636
Cu 25	**Cu**	**Cu**
Zn 124	**Zn** 28	**Zn** 34
Pb 2611	***Pb*** 33	***Pb*** 12
Rb 27	**Rb** 18	**Rb** 49
Sr 69	**Sr** 20	**Sr** 113
Zr 217	**Zr** 155	**Zr** 94

Sample No. 49	**Sample No.**	**Sample No.**
Station @	**Station** @	**Station** @
Ti 2888	**Ti**	**Ti**
Mn 81	**Mn**	**Mn**
Fe 13361	**Fe**	**Fe**
Cu 41	**Cu**	**Cu**
Zn 112	**Zn**	**Zn**
Pb 2399	***Pb***	***Pb***
Rb 26	**Rb**	**Rb**
Sr 30	**Sr**	**Sr**
Zr 197	**Zr**	**Zr**

Sample No.	**Sample No.**	**Sample No.**
Station @	**Station** @	**Station** @
Ti	**Ti**	**Ti**
Mn	**Mn**	**Mn**
Fe	**Fe**	**Fe**
Cu	**Cu**	**Cu**
Zn	**Zn**	**Zn**
Pb	***Pb***	***Pb***
Rb	**Rb**	**Rb**
Sr	**Sr**	**Sr**
Zr	**Zr**	**Zr**


5+00
5+50
6+00
6+50
SCAL
OFF
0+00
129
249
1+00
10
919
324
10
33
2+00
430
115
1179
312
66
499
3+00
167
56
103
447
1146
4+50
303
59
683
137
112
47
61R
5+00
112
455

Matteo/Willow Woods
July 2, 2006
XRF Readings (in ppm)

Sample No. 1
Station STD @ 219
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Sample No. 2
Station NIST @ 2709
Ti 2628
Mn 429 LOW
Fe 30438
Cu
Zn 94
Pb 21
Rb 85
Sr 220
Zr 129

Sample No. 3
Station NIST @ 2710
Ti 4144
Mn 10317 HIGH
Fe 38615
Cu 3023
Zn 7063
Pb 5584
Rb 125
Sr 337
Zr 121

Sample No. 4
Station BLANK @
Ti < 526
Mn < 37
Fe < 35
Cu < 18
Zn < 8
Pb < 7
Rb < 2
Sr < 3
Zr < 5

Sample No. 5
Station 8+20 @ 124
Ti 3656
Mn 155 Dry bogie
Fe
Cu
Zn
Pb 2378
Rb
Sr
Zr

Sample No. 6
Station 8+20 @ 124
Ti
Mn Dry cup
Fe
Cu
Zn
Pb 3774
Rb
Sr
Zr

Sample No. 7
Station 8+12 @ 107
Ti
Mn Dry bogie
Fe
Cu
Zn
Pb 28
Rb
Sr
Zr

Sample No. 8
Station 8+12 @ 107
Ti
Mn Dry cup
Fe
Cu
Zn
Pb 50
Rb
Sr
Zr

Sample No. 9
Station 8+45 @ 113
Ti
Mn
Fe
Cu
Zn
Pb 3070
Rb
Sr
Zr

Matteo/Willow Woods
July 2, 2006
XRF Readings (in ppm)

Sample No. 10
Station 8+45 @ 113
Ti
Mn
Fe
Cu
Zn
Pb 3981
Rb
Sr
Zr
dry cup

Sample No. 11
Station 6+55 @ 100
Ti
Mn
Fe
Cu
Zn
Pb 36
Rb
Sr
Zr
dry baggie

Sample No. 12
Station 6+55 @ 100
Ti
Mn
Fe
Cu
Zn
Pb 96
Rb
Sr
Zr
dry cup

Sample No. 13
Station 6+77 @ 90 SW
Ti
Mn
Fe
Cu
Zn
Pb 325
Rb
Sr
Zr
dry baggie

Sample No. 14
Station 6+77 @ 90 SW
Ti
Mn
Fe
Cu
Zn
Pb 520
Rb
Sr
Zr
dry cup

Sample No. 15 dup
Station 6+77 @ 90 SW
Ti
Mn
Fe
Cu
Zn
Pb 518
Rb
Sr
Zr
dry cup

Sample No. 16
Station 6+60 @ 125 SW
Ti
Mn
Fe
Cu
Zn
Pb 337
Rb
Sr
Zr
dry baggie

Sample No. 17
Station 6+60 @ 125 SW
Ti
Mn
Fe
Cu
Zn
Pb 343
Rb
Sr
Zr
dry cup

Sample No. 18
Station 6+85 @ 105
Ti
Mn
Fe
Cu
Zn
Pb 301
Rb
Sr
Zr
dry baggie

Matteo/Willow Woods
July 2, 2006
XRF Readings (in ppm)

Sample No. 19
Station 6+85 @ 105
Ti
Mn
Fe
Cu
Zn
Pb 329
Rb
Sr
Zr

dry
cup

Sample No. 20
Station 7+45 @ 105
Ti
Mn
Fe
Cu
Zn
Pb 175
Rb
Sr
Zr

dry
fogge

Sample No. 21
Station 7+45 @ 105
Ti
Mn
Fe
Cu
Zn
Pb 210
Rb
Sr
Zr

dry
cup

Sample No. 22
Station 6+25 @ 89
Ti
Mn
Fe
Cu
Zn
Pb 187
Rb
Sr
Zr

dry
fogge

Sample No. 23
Station 6+25 @ 89
Ti
Mn
Fe
Cu
Zn
Pb 164
Rb
Sr
Zr

dry
cup

Sample No. 24
Station 7+15 @ 104
Ti
Mn
Fe
Cu
Zn
Pb 1052
Rb
Sr
Zr

dry fog

Sample No. 25
Station 6+25 @ 101-6
Ti
Mn
Fe
Cu
Zn
Pb 367
Rb
Sr
Zr

Sample No. 26
Station 7+15 @ 104
Ti
Mn
Fe
Cu
Zn
Pb 838
Rb
Sr
Zr

dry
cup

Sample No. 27
Station 8+00 @ 92 D-13
Ti
Mn
Fe
Cu
Zn
Pb 2373
Rb
Sr
Zr

Matteo/Willow Woods
July 2, 2006
XRF Readings (in ppm)

Sample No. 28
Station 6+25 @ 101-6
Ti
Mn
Fe
Cu
Zn
Pb 302
Rb
Sr
Zr

Sample No. 29
Station 8+00 @ 92
Ti D-13
Mn
Fe
Cu
Zn
Pb 2441
Rb
Sr
Zr

Sample No. 30
Station 6+55 @ 89
Ti
Mn
Fe
Cu
Zn
Pb 356
Rb
Sr
Zr

Sample No. 31
Station 6+55 @ 89
Ti
Mn
Fe
Cu
Zn
Pb 480
Rb
Sr
Zr

Sample No. 32
Station 7+85 @ 105-6
Ti
Mn
Fe
Cu
Zn
Pb 134
Rb
Sr
Zr

Sample No. 33
Station 7+85 @ 105-6
Ti
Mn
Fe
Cu
Zn
Pb 205
Rb
Sr
Zr

Sample No. 34
Station MATTEO @ 4+50
Ti YARD @150
Mn
Fe
Cu
Zn
Pb 857
Rb
Sr
Zr

for wet

Sample No. 35
Station MATTEO @ 4+50
Ti @150
Mn
Fe
Cu
Zn
Pb 1287
Rb
Sr
Zr

dry cup

Sample No. 36
Station BLANK @
Ti < 5343
Mn < 42
Fe
Cu < 18
Zn
Pb < 6
Rb < 2
Sr < 3
Zr

Matteo/Willow Woods
July 3, 2006
XRF Readings (in ppm)

Sample No. 1
Station STD @ 219
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Sample No. 2
Station NIST @ Low
Ti 2732
Mn 435
Fe
Cu
Zn
Pb 24
Rb
Sr
Zr

Sample No. 3
Station @
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Sample No. 4
Station BLANK @
Ti <551
Mn
Fe <36
Cu <18
Zn <7
Pb <2
Rb <2
Sr
Zr

Sample No. 8
Station 7+35 @ 88
Ti
Mn
Fe
Cu
Zn
Pb 244
Rb
Sr
Zr

Sample No.
Station @
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Sample No.
Station @
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Sample No.
Station @
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Sample No.
Station @
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Matteo/Willow Woods
July 5, 2006
XRF Readings (in ppm)

Sample No. 1
Station STD @ 218
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Sample No. 2
Station NIST @ LOW
Ti 2991
Mn 396
Fe 30369
Cu
Zn
Pb 20
Rb
Sr
Zr

2-99

Sample No. 3
Station NIST @ HIGH
Ti 3371
Mn 10163
Fe
Cu
Zn
Pb 5582
Rb
Sr
Zr

Sample No. 4
Station BLANK @
Ti < 554
Mn < 41
Fe < 34
Cu < 17
Zn < 8
Pb < 6
Rb < 2
Sr < 3
Zr < 5

Sample No. 5
Station @
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Sample No. 6
Station 5750 @ 100
Ti 2151
Mn
Fe
Cu
Zn
Pb 628
Rb
Sr
Zr

wet bagge

Sample No. 7
Station 5775 @ 100
Ti 2962
Mn
Fe
Cu
Zn
Pb 131
Rb
Sr
Zr

wet bag

Sample No. 8
Station 7135 @ 88
Ti 2932
Mn
Fe
Cu
Zn
Pb 257
Rb
Sr
Zr

wet bag

Sample No. 9
Station 5775 @ 92
Ti 3204
Mn
Fe
Cu
Zn
Pb 164
Rb
Sr
Zr

wet bag

Matteo/Willow Woods
July 5, 2006
XRF Readings (in ppm)

Sample No. 10
Station 7+75 @ 121
Ti 3084
Mn
Fe
Cu
Zn
Pb 463
Rb
Sr
Zr
wet bag

Sample No. 29
Station 7+35 @ 1155W
Ti 3476
Mn
Fe
Cu
Zn
Pb 1767
Rb
Sr
Zr
wet bag

Sample No. 30
Station 5+75 @ 114
Ti 4111
Mn
Fe
Cu
Zn
Pb 297
Rb
Sr
Zr
wet bag

Sample No. 31
Station 5+11 @ 97
Ti 3728
Mn
Fe
Cu
Zn
Pb 449
Rb
Sr
Zr
wet bag

Sample No. 40
Station STD @
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Sample No. 41
Station 7+35 @ 115
Ti 5732
Mn
Fe
Cu
Zn
Pb 7245
Rb
Sr
Zr
dry bag

Sample No. 42
Station 5+11 @ 97
Ti
Mn
Fe
Cu
Zn
Pb 529
Rb
Sr
Zr
dry bag

Sample No. 43
Station 5+75 @ 114
Ti
Mn
Fe
Cu
Zn
Pb 113
Rb
Sr
Zr

Sample No. 44
Station 5+75 @ 100
Ti
Mn
Fe
Cu
Zn
Pb 129
Rb
Sr
Zr

Matteo/Willow Woods
July 5, 2006
XRF Readings (in ppm)

Sample No. 45
Station 5+75 @ 92
Ti
Mn
Fe
Cu
Zn
Pb 162
Rb
Sr
Zr

Sample No. 46
Station 5+50 @ 100
Ti
Mn
Fe
Cu
Zn
Pb 1089
Rb
Sr
Zr

Sample No. 47
Station 5+50 @ 100
Ti
Mn
Fe
Cu
Zn
Pb 900
Rb
Sr
Zr

dup.

Sample No. 48
Station 7+75 @ 121
Ti
Mn
Fe
Cu
Zn
Pb 537
Rb
Sr
Zr

Sample No. 49
Station 7+35 @ 88
Ti
Mn
Fe
Cu
Zn
Pb 303
Rb
Sr
Zr

Sample No. 50
Station 7+75 @ 121
Ti
Mn
Fe
Cu
Zn
Pb 677
Rb
Sr
Zr

dry
cup

Sample No. 51
Station 7+35 @ 88
Ti
Mn
Fe
Cu
Zn
Pb 426
Rb
Sr
Zr

dry
cup

Sample No. 52
Station 7+35 @ 88
Ti
Mn
Fe
Cu
Zn
Pb 420
Rb
Sr
Zr

dry
dry
cup

Sample No. 53
Station 5+50 @ 100
Ti 4355
Mn
Fe
Cu
Zn
Pb 1554
Rb
Sr
Zr

dry
cup

Matteo/Willow Woods
July ___, 2006
XRF Readings (in ppm)

Sample No. 54
Station 5+50 @ 100
Ti
Mn dup
Fe
Cu
Zn dry
Pb 1557
Rb cup
Sr
Zr

Sample No. 55
Station 5+75 @ 92
Ti
Mn
Fe dry
Cu
Zn cup
Pb 296
Rb
Sr
Zr

Sample No. 56
Station 7+75 @ 100
Ti
Mn
Fe dry
Cu
Zn cup
Pb 197
Rb
Sr
Zr

Sample No. 57
Station 7+75 @ 100
Ti
Mn dup
Fe
Cu dry
Zn cup
Pb 203
Rb
Sr
Zr

Sample No. 58
Station 7+75 @ 114
Ti
Mn
Fe dry
Cu
Zn cup
Pb 153
Rb
Sr
Zr

Sample No. 59
Station 5+15 @ 97
Ti
Mn
Fe dry
Cu
Zn cup
Pb 623
Rb
Sr
Zr

Sample No. 60
Station 7+35 @ 115
Ti
Mn
Fe dry
Cu
Zn cup
Pb 3316
Rb
Sr
Zr

Sample No. 61
Station 7+35 @ 115
Ti
Mn dup
Fe
Cu dry
Zn
Pb 3777 cup
Rb
Sr
Zr

Sample No.
Station @
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Matteo/Willow Woods
July 6, 2006
XRF Readings (in ppm)

Sample No. 1
Station STD @ 219
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Sample No. 2
Station @
Ti 2854
Mn
Fe
Cu
Zn
Pb 21
Rb
Sr
Zr

Sample No. 3
Station @
Ti 2234
Mn
Fe
Cu
Zn
Pb 5442
Rb
Sr
Zr

Sample No. 4
Station BLANK @
Ti < 538
Mn < 43
Fe < 34
Cu < 18
Zn
Pb < 6
Rb
Sr
Zr

Sample No.
Station @
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Sample No.
Station @
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Sample No.
Station @
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Sample No.
Station @
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Sample No.
Station @
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Matteo/Willow Woods
July 7, 2006 Friday
XRF Readings (in ppni)

Sample No. 1
Station STD @ 220
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Sample No. 2
Station NIST @ Low
Ti 2460 2709
Mn 351
Fe
Cu
Zn
Pb 17
Rb
Sr
Zr

Sample No. 3
Station NIST @ High
Ti 3061
Mn
Fe
Cu
Zn
Pb 5497
Rb
Sr
Zr

Sample No. 4
Station BLANK @
Ti < 504
Mn < 40
Fe < 35
Cu < 18
Zn < 8
Pb < 6
Rb < 2
Sr <
Zr <

Sample No. 5
Station 8136 @ 87
Ti 4002 bagie
Mn
Fe 8029
Cu
Zn
Pb 81
Rb
Sr
Zr

Sample No. 6
Station 7+94 @ 83
Ti 2832 bagie
Mn
Fe
Cu
Zn
Pb 148
Rb
Sr
Zr

Sample No. 7
Station 8+15 @ 87
Ti 2057 bagie
Mn
Fe
Cu
Zn
Pb 11
Rb
Sr
Zr

Sample No.
Station @
Ti
Mn
Fe
Cn
Zn
Pb
Rb
Sr
Zr

Sample No. 23
Station 4+00 @ 00
Ti
Mn
Fe
Cu
Zn
Pb 245
Rb
Sr
Zr

Matteo/Willow Woods
July 7, 2006 MATTEO YARD
XRF Readings (in ppm)

Sample No. 14
Station 4+50 @ 0+00
Ti
Mn
Fe
Cu
Zn
Pb 88
Rb
Sr
Zr

Sample No. 15
Station 4+50 @ 50
Ti
Mn
Fe
Cu
Zn
Pb 38
Rb
Sr
Zr

Sample No. 16
Station 4+50 @ 100
Ti
Mn
Fe
Cu
Zn
Pb < 10
Rb
Sr
Zr

Sample No. 17
Station 4+50 @ 150
Ti
Mn
Fe
Cu
Zn
Pb 1107
Rb
Sr
Zr

Sample No. 18
Station 4+50 @ 200
Ti
Mn
Fe
Cu
Zn
Pb 53
Rb
Sr
Zr

Sample No. 19
Station 4+50 @ 250
Ti
Mn
Fe
Cu
Zn
Pb 406
Rb
Sr
Zr

Sample No. 20
Station 4+00 @ 200
Ti
Mn
Fe
Cu
Zn
Pb 251
Rb
Sr
Zr

Sample No. 21
Station 4+00 @ 100
Ti
Mn
Fe
Cu
Zn
Pb 52
Rb
Sr
Zr

Sample No. 22
Station 4+00 @ 50
Ti
Mn
Fe
Cu
Zn
Pb 37
Rb
Sr
Zr

Matteo/Willow Woods
July 10, 2006
XRF Readings (in ppm)

Sample No. 1
Station STD **@** 219
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Sample No. 2
Station NIST **@** LOW
Ti 3175 2709
Mn
Fe
Cu
Zn
Pb 22
Rb
Sr
Zr

Sample No. 3
Station NIST **@** HIGH
Ti 3690 #2710
Mn
Fe
Cu
Zn
Pb 5623
Rb
Sr
Zr

Sample No. 4
Station BLANK **@**
Ti < 554
Mn < 41
Fe < 37
Cu < 18
Zn < 8
Pb < 7
Rb < 3
Sr
Zr

Sample No. 5
Station STD **@** 221
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Sample No.
Station **@**
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Sample No.
Station **@**
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Sample No.
Station **@**
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Sample No.
Station **@**
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Sample No.
Station **@**
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Matteo/Willow Woods
July 11, 2006
XRF Readings (in ppm)

Sample No. 1
Station STD @ 218
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Sample No. 2
Station NIST @ Low
Ti 3223
Mn 409
Fe 32159
Cu
Zn
Pb 18
Rb
Sr
Zr

2709

Sample No. 3
Station NIST @ HIGH
Ti 2989
Mn 10295
Fe
Cu 2952
Zn
Pb 5639
Rb
Sr
Zr

Sample No. 4
Station BLANK @
Ti < 545
Mn < 41
Fe < 39
Cu < 17
Zn < 7
Pb < 7
Rb
Sr
Zr

Sample No. 5
Station D-13 @ SW
Ti 4697
Mn 188
Fe 18558
Cu
Zn
Pb 186
Rb
Sr
Zr

@ 2' deep in mold

Sample No. 6
Station D-13 @ Bottom
Ti 3739
Mn 149
Fe 7914
Cu
Zn
Pb 287
Rb
Sr
Zr

under [illegible]

Sample No. 7
Station 7+15 @ 100
Ti 5502
Mn 304
Fe
Cu
Zn
Pb 26
Rb
Sr 65
Zr 235

6" deep

Sample No. 8
Station 8+36 @ 87
Ti 1694
Mn
Fe 6558
Cu
Zn
Pb 57
Rb 12
Sr
Zr 120

dry bagic

Sample No. 9
Station 8+36 @ 87
Ti 284
Mn 115
Fe 8112
Cu
Zn
Pb 109
Rb
Sr
Zr 316

dry deep

Matteo/Willow Woods
July 11, 2006
XRF Readings (in ppm)

Sample No. 10
Station 8+15 @ 87
Ti 5219
Mn
Fe
Cu
Zn
Pb 11
Rb
Sr
Zr

dry bag

Sample No. 11
Station 8+15 @ 89
Ti 6051
Mn
Fe
Cu
Zn
Pb 19
Rb
Sr 26
Zr 668

dry cup

Sample No. 12
Station 7+94 @ 83
Ti 1873
Mn
Fe 6066
Cu
Zn
Pb 140
Rb
Sr
Zr

dry bag

Sample No. 13
Station 7+94 @ 83
Ti 4281
Mn
Fe
Cu
Zn 66
Pb 256
Rb
Sr 25
Zr 363

dry cup

Sample No. 14
Station 7+15 @ 100
Ti 5213
Mn 169
Fe
Cu
Zn
Pb 33
Rb 39
Sr 54
Zr

dry cup

Sample No. 15
Station D-13 @ Past end of trailer
Ti 2523
Mn 87
Fe 8015
Cu
Zn
Pb 207
Rb
Sr 24
Zr

Sample No. 16
Station 7+15 @ 104
Ti 3089
Mn
Fe
Cu
Zn
Pb 795
Rb
Sr
Zr

dry cup

7-2-06

Sample No.
Station @
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Sample No.
Station @
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Matteo/Willow Woods
July 12, 2006
XRF Readings (in ppm)

Sample No. 1
Station STD @ 221
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Sample No. 2
Station NIST @ LOW
Ti 2920
Mn 461 #2709
Fe 31404
Cu
Zn
Pb 20
Rb
Sr
Zr

Sample No. 3
Station NIST @ HIGH
Ti 2863
Mn 10256
Fe 38819
Cu
Zn
Pb 5607
Rb
Sr
Zr

Sample No. 4
Station BLANK @
Ti <524
Mn < 43
Fe < 35
Cu < 19
Zn
Pb < 6
Rb
Sr < 3
Zr < 5

Sample No. 5
Station STD @ 218
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Sample No.
Station @
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Sample No.
Station @
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Sample No.
Station @
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Sample No.
Station @
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Matteo/Willow Woods
July 13, 2006 thurs
XRF Readings (in ppm)

Sample No. 1
Station STD @ 219
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Sample No. 2
Station NIST @ LOW
Ti 3554
Mn 431
Fe
Cu
Zn
Pb 16
Rb
Sr
Zr

Sample No. 3
Station NIST @ HIGH
Ti 2625
Mn
Fe
Cu
Zn
Pb 5676
Rb
Sr
Zr

Sample No. 4
Station BLANK @
Ti < 526
Mn < 43
Fe
Cu < 10
Zn
Pb < 6
Rb
Sr
Zr

Sample No. 5
Station STD @ 217
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Sample No.
Station @
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Sample No.
Station @
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Sample No.
Station @
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Sample No.
Station @
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Matteo/Willow Woods
July ~~19~~, 2006 Mon
XRF Readings (in ppm)
7-17-06

Sample No. 1
Station STD **@** 217
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Sample No. 2
Station NIST **@** LOW
Ti 2720
Mn 357 #2709
Fe
Cu
Zn
Pb 18
Rb
Sr
Zr

Sample No. 3
Station NIST **@** HIGH
Ti 2928
Mn 10,563
Fe
Cu
Zn
Pb 5634
Rb
Sr
Zr

Sample No. 4
Station **@**
Ti < 564
Mn < 46
Fe < 38
Cu
Zn
Pb < 7
Rb < 3
Sr < 3
Zr

Sample No. 5
Station STD **@** 220
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Sample No.
Station **@**
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Sample No.
Station **@**
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Sample No.
Station **@**
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Sample No.
Station **@**
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Matteo/Willow Woods
July ~~20~~, 2006 Tues
XRF Readings (in ppm)
7-18-06

Sample No. 1
Station STD @ 217
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Sample No. 2
Station NIST @ LOW
Ti 2817
Mn 359
Fe 31950
Cu
Zn
Pb 14
Rb
Sr
Zr

Sample No. 3
Station NIST @ HIGH
Ti 4059
Mn 9979
Fe 38483
Cu
Zn
Pb 5572
Rb
Sr
Zr

Sample No. 4
Station BLANK @
Ti < 541
Mn < 45
Fe
Cu
Zn
Pb < 6
Rb
Sr < 3
Zr

Sample No. 5
Station STD @ 218
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Sample No. 33
Station STD @ 219
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Sample No. 34
Station STOCKPILE @
Ti 3144
Mn 149
Fe
Cu
Zn
Pb 172
Rb 17
Sr 22
Zr

wet bogue

Sample No. 35
Station 6+50 @ 89
Ti 3300
Mn 120
Fe 9709
Cu
Zn
Pb 341
Rb
Sr
Zr

Sample No. 36
Station 5+05 @ 100
Ti 2933
Mn 102
Fe 5959
Cu
Zn
Pb 376
Rb
Sr
Zr 301

Matteo/Willow Woods
July 18, 2006 Tues
XRF Readings (in ppm)

Sample No. 37
Station 8134 @ 96
Ti 4876
Mn 140
Fe 10552
Cu
Zn
Pb 343
Rb
Sr
Zr

Sample No. 38
Station 7178 @
Ti 2680
Mn 114
Fe
Cu
Zn 30
Pb 110
Rb
Sr
Zr 275

Sample No. 39
Station Stock @
Ti 4073
Mn 161
Fe 8928 dry cup
Cu
Zn
Pb 248
Rb
Sr
Zr 371

Sample No. 40
Station 5705 @ 100
Ti 5087
Mn 109
Fe 8153 dry cup
Cu
Zn 46
Pb 514
Rb 18
Sr
Zr

Sample No. 41
Station 8134 @ 96
Ti 3472
Mn 107
Fe 10,210 dry cup
Cu
Zn
Pb 325
Rb
Sr
Zr 333

Sample No.
Station 7178 @ 91
Ti 4821
Mn 156
Fe
Cu
Zn
Pb 159
Rb
Sr
Zr 409

Sample No.
Station 6150 @ 89
Ti 2694
Mn 109
Fe
Cu
Zn
Pb 432
Rb 25
Sr
Zr

Sample No.
Station @
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

Sample No.
Station @
Ti
Mn
Fe
Cu
Zn
Pb
Rb
Sr
Zr

APPENDIX C

LABORATORY DATA PACKAGES

Asbestos • Lead • Environmental • Materials & Indoor Air Analysis

EMSL ANALYTICAL, INC.

http://www.emsl.com

Corporate Office & Lab
107 Haddon Avenue
Westmont, NJ 08108
1-800-220-3675

ANALYTICAL DATA REPORT
FOR
SIERRA ENVIRONEMNTAL SERVICES, INC.
P.O. Box 109
Marlton, NJ 08053

PROJECT: MS/MDS on Sample 5

EMSL Project: 010603059

Field Sample No. & Location	Laboratory Sample ID	Matrix	Date & Time of Collection	Date Received
F-6-01 Trailer F-6 8'x 4'	010603059-0001	Soil	- @ -	6/13/06
F-6-02 Trailer F-6 8'x 4'	010603059-0002	Soil	- @ -	6/13/06
F-6-03 Trailer F-6 11'x 4'	010603059-0003	Soil	- @ -	6/13/06

Laboratory Name — EMSL ANALYTICAL, INC.

Certification No. — NJ-NELAP LAB: No. 04653

Laboratory Manager
or other approved signatory
Date

7/28/06

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EMSL

SM

SAMPLE DATA SUMMARY PACKAGE

EMSL Analytical
3 Cooper St., Westmont, NJ 08108
Phone: (856) 858-4800 Fax: (856) 858-4571 Email: jsmith@emsl.com

EMSL SM

Attn: **Scott Welsh**
Sierra Environmental Services, Inc.
PO Box 109
Marlton, NJ 08053

Fax: (856) 583-6004 Phone: (856) 988-9259

Customer ID: SENS62
Customer PO:
Received: 06/13/06 9:28 AM
EMSL Order: 010603059
EMSL Proj: Matteo-4-6
Report Date: 7/26/2006

Client Sample Description F-6-01 *Collected:* 6/13/2006 *Lab ID:* 0001

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	99	%	0.5	6/13/2006 02:00 PM	ssamayam
Lead, Total	6010B	Lead	49	mg/Kg	0.93	6/14/2006 02:17 AM	SHansen

Client Sample Description F-6-02 *Collected:* 6/13/2006 *Lab ID:* 0002

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	99	%	0.5	6/13/2006 02:00 PM	ssamayam
Lead, Total	6010B	Lead	96	mg/Kg	1.0	6/14/2006 02:25 AM	SHansen

t Sample Description F-6-03 *Collected:* 6/13/2006 *Lab ID:* 0003

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	92	%	0.5	6/13/2006 02:00 PM	ssamayam
Lead, Total	6010B	Lead	110	mg/Kg	1.0	6/14/2006 02:33 AM	SHansen

EMSL SM

CHAIN OF CUSTODY

(P1 of 2) 0006

010603959

EMSL ANALYTICAL CHAIN OF CUSTODY LEAD

Date: 6/13/06 EMSL Representative: LOH Project Name/No.: MATRIX-4 P.O.#:

Company Name: SIERRA ENVIRONMENTAL SERVICES, INC. EMSL-Bill to:

Street: 22 CHRISTOPHER DR. Street:

Box #: 109 Box #:

City/State: MARLTON N.J. Zip: ~~08~~ 08053 City/State: Zip:

Phone Results to: (Name) SCOTT WELSH Telephone: 856-625-7829

Fax Results to: (Name) SCOTT WELSH Fax #: 856-588-6004

MATRIX	METHOD	INSTRUMENT	RL (Reporting Limit)	TAT
Lead Chips*	SW846-7420, 3050B Mod. / AGAC (974.02)	Flame Atomic Absorption	0.01% ++	
Lead Wastewater	SW846-7420	Flame Atomic Absorption	0.4 mg/l water 40 mg/kg (ppm) soil	
Lead Soil +	or SW846-6010B	ICP	0.1 mg/l water 10 mg/kg (ppm) soil	48 HR
Lead in Air***	NIOSH 7082 Mod.	Flame Atomic Absorption	4 ug/filter	
	or NIOSH 7300 Mod.	ICP	3.0 ug/filter	
Lead in Wipe^ ☐-ASTM *List Wipe Type* _____ ☐-non ASTM	SW846-7420 / HUD Appendix 14.2 Digest.	Flame Atomic Absorption	10 ug/wipe	
	or SW846-6010B	ICP	3.0 ug/wipe	
TCLP Lead **	SW846-1311/ 7420	Flame Atomic Absorption	0.4 mg/l (ppm)	48 HR
	or SW846-6010B	ICP	0.1 mg/l (ppm)	
STLC Lead (California) #	CA Title 22 66261.126 / SW846-7420	Flame Atomic Absorption	0.4 mg/l (ppm)	
	or SW846-6010B	ICP	0.1 mg/l (ppm)	
Lead in Air ****	NIOSH 7105 Mod.	Graphite Furnace Atomic Absorption	0.03 ug/filter	
Lead Wastewater	SW846-7421	Graphite Furnace Atomic Absorption	0.003 mg/l (ppm) water	
Lead Soil +			0.3 mg/kg (ppm) soil	
Lead in Drinking Water (check state Certification Requirements)	EPA 239.2 / 200.9	Graphite Furnace Atomic Absorption	0.003 mg/l (ppm)	
Total Dust	NIOSH 0500-0600	Gravimetric Reduction	0.0001g	

2006 JUN 13 PM 1:28

TAT (Turnaround) - Same day, 24 hr - 1 Day, 2 Days, 3 Days, 4 Days, 5 Days, 6-10 Days

*, **, ***, ****, +, ++ ,# Please Refer to Price Quote

^ If no box is checked, non-ASTM is assumed

SAMPLE #	LOCATION	Air volume, L Area, in^2	LAB #

@ Relinquished By: (Person) [signature] Date: 6/13/06

Received at EMSL By: _____ Date: _____

Received at EMSL By: P. Jeanne Date: 6/13/06

Note: Please duplicate this form and use additional sheets if necessary.

@ The individual signing and relinquishing these samples to the laboratory attests to the accuracy of the information reported on this chain of custody.

Lead Chain Nov 2001 w STLC.doc

4-5 days

- TCLP to be analyzed by lead lab.
- Total Pb by ICP by chemistry. Sample split for analysis. KJ 6/13/06

000
(B 2of2)

0106 Q 3059

EMSL ANALYTICAL CHAIN OF CUSTODY LEAD

	SAMPLE #	LOCATION	Air ~~volume, L~~ / ~~Area, in²~~	LAB #
01	F-6-01	TRAILER F-6 8'x4'		
02	F-6-02	TRAILER F-6 8'x4		
03	F-6-03	TRAILER F-6 FRONT 11x4		

@ Relinquished By: (Person) _____ Date: 6/13/00

Received at EMSL By: _____ Date: 6/13/00

Received at EMSL By: _____ Date: _____

4°C
Ice

Note: Please duplicate this form and use additional sheets if necessary.

@ The individual signing and relinquishing these samples to the laboratory attests to the accuracy of the information reported on this chain of custody.

EMSL Analytical

Sample Receiving Form

Client: Sierra Fun	
Project Number: 01060309	
Temperature Upon Receipt: 4°	Shipment Method: Drop off

	YES	NO	NA
Were custody seals on shipping containers intact? Check 'NA' if no seals, or if containers were hand delivered.			X
Were Chain of Custody Forms included with the samples?	X		
Were Chain of Custody Forms filled out completely?	X		
Were all sample cohtaihers received in good condition?	X		
Is there sufficient amount of sample for each test indicated?	X		
Were the sample containers properly preserved?			X
Was pH of the samples checked at the time of login?			X
Were any sample pHs adjusted at the time of login? Document on COC.			X
Were samples received within holding times?	X		
if the sample holding time was outside regulatory limits, was the client informed? Date client contacted: _____ Initials: _____ Client comments: _____			X
Were air bubbles present in any of the VOA bottles?			X
Were samples in direct contact with ice? X wet ____ blue			
Was the sample cooler temperature 4°C ± 2° upon receipt at the laboratory?	X		
If the temperature was outside regulatory limits, was the client informed? Date client contacted: _____ Initials: _____ Client comments: _____			X
Will samples be subcontracted to another lab? Subcontractor: _____ Date sent: _____ Analyses: _____			X
Sample Custodiah: K. Jprks			
Additional Comments:			

EMSL PROJECT No.: 010603059

Client Name: Sierra (Optional)

SAMPLE ID No.(s) -01-03
(List all alphabetic characters used on this project.)

Walk- In Refrigerator (Prep. Lab)

Shelf Location in Refrigerator: Check appropriate G2

Auxiliary Storage Location - Not Refrigerator: Check appropriate
(Samples Not Requiring Refrigeration)
(If custody is transferred to a person, add Signature and Printed Name.)

Sample Container Information: (Optional)

EMSL Internal Chain of Custody

Date	Analysis/Analyses Performed	Sample Number/Numbers Used	letter	Printed Name	Signature	Time (24Hr. Only) Transfer	Returned	Initials Returned
login	Transfer to Wet Chemistry for Total Solids.			login	login			
Wet Chemistry	Receive & Return to Login Possession.			Wet Chemistry	Wet Chemistry			

Date	Analysis/Analyses Performed	Sample Number/Numbers Used	letter	Printed Name	Signature	Time (24Hr. Only) Sign Out	Returned	Initials Returned
6/13	ICP	3059-1-3		[illegible]	[illegible]	1300	1330	[illegible]
6/13	TS	1,2,3		SSR	[illegible]	1330	1400	SSR

a Y Sulfuric	b Y Sulfuric	c Y Sulfuric	d Y Sulfuric	e Y Sulfuric	f Y Sulfuric	g G NaOH	h G NaOH	i G NaOH	k G (Zn) NaOH / Zn Ac.	l G (Zn) NaOH / Zn Ac.	m G (Zn) NaOH / Zn Ac.	n R Nitric	o R Nitric	p R Nitric	q R Nitric	r R Nitric	s R Nitric	t R Nitric
u UP Unpreserved	v UP Unpreserved	w UP Unpreserved	x UP Unpreserved	y UP Unpreserved	z UP Unpreserved	aa UP Unpreserved	ab UP Unpreserved	ac UP Unpreserved	aa UP Unpreserved	ae UP Unpreserved	af UP Unpreserved	ag UP Unpreserved	ah UP Unpreserved	aj UP Unpreserved	ak UP Unpreserved	al UP Unpreserved	am UP Unpreserved	an UP Unpreserved

(If custody is transferred to a person, add Signature and Printed Name of that person.)

Login Personnel Relinquishing samples to the Refrigerator:

Printed Name: Kevin Sparks

Signature: [illegible]

Date In: 6/13/06 Time In:

TO:

Sample Disposal - Samples Removed by:

Printed Name: Kevin Sparks

Signature: [illegible]

Date: 7/14/06

EMSL Preservations - "dot" color code:
Y = yellow=Sulfuric, C = green=NaOH, G(Zn)=NaOH + Zinc Acetate, R = red=HNO3, UP = Unpreserved.

6000

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CASE NARRATIVE

EMSL Analytical **Case Narrative**

Project Number 010603059

This report contains the analytical data for lead analyses of three soil samples. The samples were received by EMSL on June 16, 2006, and analyzed in accordance with EPA SW-846 Method 6010B.

Sample Receipt
The cooler temperature was 4.0°C upon receipt at the laboratory. The samples were received intact and in good condition.

Hold Times
All digestions and analyses were performed within the method specified hold time requirement. No major problems were encountered during the analyses of samples.

Metals
Calibrations: The ICV and CCV standards were within QC acceptance limits.
Blanks: Target analyte, lead, was not detected in the method blanks.
Interference Check Standard: The (ICS) recoveries were within control limits.
Matrix Spikes/Duplicates: The recoveries and RPD data were within control limits.
LCS: The percent recoveries were within control limits.
Post Digestion Spikes: The recoveries were within control limits.
Serial Dilutions: The percent differences met method acceptance criteria.

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METHODOLOGY SUMMARY

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METHODOLOGY SUMMARY

Metals - Solid

This is a procedure used to detemine metals concentrations in soils. The procedure involves an acidic digestion under oxidizing conditions using approximately one (0.5 to 1) gram of soil or solid material. Nitric and hydrochloric acids as well as hydrogen peroxide are employed in the digestion. Digestion may be by hotplate/beaker, Hotblock™ @95 °C or microwave methods. The digested sample is filtered and diluted to 50 ml. Preparation Methods are: SW-846 Methods 3050B or 3051.

The analysis is performed by Inductively Coupled Plasma (ICP), furnace atomic absorption (GFAA) or flame atomic absorption (FLAA). Reference methods are: ***SHW;*** 1) ICP - SW-846 3rd Edition, Method 6010B, 2) GFAA – Method 7421 (Pb), 3) FLAA – Method 7420 (Pb).

Total Solids, Percent

This is a gravimetric analytical method used to determine the solids content present in either solid or semi-solid matrices by removing the water content through oven drying. An aliquot of the sample is weighed into a tared dish and then dried at 103-105°C. The final dried weight is subtracted from the initial wet weight. The percent total solids present in the sample is calculated as the solids remaining after drying calculated as %. Reference method is EPA Method 160.3 or Standard Methods for the Examination of Water and Wastewater, 18th Edition, Methods 2540B or 2540G (SLU) and SW-846 Method 3540C Section 7.2.

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METHODOLOGY

All analyses are adapted from one or more of the following reference methods:

- "Guidelines Establishing Test Procedures for the Analysis of Pollutants", Code of Federal Regulations Vol. 40, Part 136.
- "Test Methods for Evaluating Solid Waste", SW846 3rd Edition, 1996.
- "Appendix II-Method 1311 Toxicity Characteristic Leaching Procedure (TCLP)". Code of Federal Regulations Vol. 40, Part 261.
- "Standard Methods for the Examination of Water and Wastewater", 18th and 19th edition.
- "Methods for the Chemical Analysis of Water and Wastes", EPA 600/4-79-020, 1983.
- "Annual Book of Standards, Section 11-Water", American Society for Testing and Materials (ASTM).
- "Methods for the Determination of Organic Compounds in Drinking Water", EPA 600R/95-131, 1995.
- "Official Methods of Analysis", Association of Official Analytical Chemists (AOAC), 15th Edition, 1990.
- NIOSH Manual of Analytical Methods, 4th Edition, 1994, DHHS Pub. No. 94-113.

DEFINITIONS OF ABBREVIATIONS

U:	Not Detected	B:	Compound found in method blank
E:	Estimated Concentration	ND:	Not Detected
NFL:	No Free Liquid	D:	Dilution
NR:	Not Requested	MDL:	Method detection limit
NA:	Not Applicable	MS/MSD:	Matrix Spike/Matrix Spike Duplicate
<:	Less than minimum detection limit	RPD:	Relative Percent Difference
NC:	Not calculable	RSD:	Relative Standard Deviation
LCS:	Laboratory Control Sample	ppb	Parts per billion = µg/Kg, µg/L
NTU:	Nephelometric Turbidity Units	ppm	Parts per million = mg/Kg, µg/g
J:	Compound detected below reportable detection limit	µmhos:	Conductivity units; resistance is expressed in ohms
°F:	degrees Fahrenheit	col/3:	Colonies per volume of sample
°C:	degrees Celcius	mg:	milligram (1000 mg = 1 g)
µg:	microgram (1000 µg = I mg)	ml:	milliliter (1000 ml = IL)
g:	gram (1000 g = 1 kg)	L	liter
µl:	microliter (1000 µl= 1 ml)	Kg:	Kilogram

COMMENTS: All soil samples are calculated on a dry weight basis except where noted.

EMSL SM

New Jersey Department of Environmental Protection
Division of Water Resources
Bureau of Underground Storage Tanks
CN-029, Trenton, New Jersey 08625

LABORATORY AUTHENTICATION STATEMENT

I certify under penalty of law, where applicable, this laboratory meets the Laboratory Performance Standards and Quality Control requirements specified in N.J.A.C. 7:18, 40 CFR Part 136 for Water and Wastewater Analyses and SW 846 for Solid Waste Analyses. I have personally examined and am familiar with the information contained in this report, and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, complete, and meets the standards specified in N.J.A.C. 7:18, 40 CFR Part 136, and/or SW 846. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment.

Laboratory Manager (as defined in N.J.A.C. 7:18)

EMSL ANALYTICAL, INC.
http://www.emsl.com

Asbestos • Lead • Environmental • Materials & Indoor Air Analysis

Corporate Office & Lab
107 Haddon Avenue
Westmont, NJ 08108
1-800-220-3675

ANALYTICAL DATA REPORT
FOR
SIERRA ENVIRONEMNTAL SERVICES, INC.
P.O. Box 109
Marlton, NJ 08053

PROJECT: Matteo

EMSL Project: 010603330

Field Sample No. & Location	Laboratory Sample ID	Matrix	Date & Time of Collection	Date Received
5+15@97	010603330-0001	Soil	6/26/06 @ 1148	6/26/06
5+15@97A	010603330-0002	Soil	6/26/06 @ 1148	6/26/06
5+45@115SW	010603330-0003	Soil	6/26/06 @ 1150	6/26/06
5+45@115SWA	010603330-0004	Soil	6/26/06 @ 1150	6/26/06
5+45@93	010603330-0005	Soil	6/26/06 @ 1158	6/26/06
5+45@93A	010603330-0006	Soil	6/26/06 @ 1158	6/26/06
5+35@97	010603330-0007	Soil	6/26/06 @ 1020	6/26/06
5+35@97A	010603330-0008	Soil	6/26/06 @ 1020	6/26/06
D-13 # 1	010603330-0009	Soil	6/26/06 @ 1000	6/26/06
Limit 1	010603330-0010	Soil	6/26/06 @ 1341	6/26/06
Limit 2	010603330-0011	Soil	6/26/06 @ 1341	6/26/06

Laboratory Name — EMSL ANALYTICAL, INC.

Certification No. — NJ-NELAP LAB: No. 04653

Laboratory Manager
or other approved signatory
Date — 7/27/06

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SAMPLE DATA SUMMARY PACKAGE

EMSL Analytical
2 Cooper St., Westmont, NJ 08108
Phone: (856) 858-4800 Fax: (856) 858-4571 Email: jsmith@emsl.com

EMSL SM

Attn: **Scott Welsh**
Sierra Environmental Services, Inc.
PO Box 109
Marlton, NJ 08053

Fax: (856) 583-6004 Phone: (856) 988-9259

Customer ID: SENS62
Customer PO:
Received: 06/26/06 5:00 PM
EMSL Order: 010603330
EMSL Proj:
Report Date: 6/29/2006

Client Sample Description 5+15 @ 97 Matteo — *Collected:* 6/26/2006 11:48:00 AM — *Lab ID:* 0001

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	96	%	0.5	6/27/2006 04:00 PM	ssamayam
Lead, Total	6010B	Lead	440	mg/Kg	1.0	6/29/2006 04:16 AM	SMiller

Client Sample Description 5+15 @ 97A Matteo Dup — *Collected:* 6/26/2006 11:48:00 AM — *Lab ID:* 0002

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	96	%	0.5	6/27/2006 04:00 PM	ssamayam
Lead, Total	6010B	Lead	570	mg/Kg	1.0	6/29/2006 04:24 AM	SMiller

nt Sample Description 5+45 @ 115SW Matteo — *Collected:* 6/26/2006 11:50:00 AM — *Lab ID:* 0003

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	93	%	0.5	6/27/2006 04:00 PM	ssamayam
Lead, Total	6010B	Lead	230	mg/Kg	0.99	6/29/2006 04:32 AM	SMiller

Client Sample Description 5+45 @ 115SWA Matteo Dup — *Collected:* 6/26/2006 11:50:00 AM — *Lab ID:* 0004

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	97	%	0.5	6/27/2006 04:00 PM	ssamayam
Lead, Total	6010B	Lead	330	mg/Kg	0.95	6/29/2006 04:39 AM	SMiller

Client Sample Description 5+45 @ 93 Matteo — *Collected:* 6/26/2006 11:58:00 AM — *Lab ID:* 0005

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	92	%	0.5	6/27/2006 04:00 PM	ssamayam
Lead, Total	6010B	Lead	180	mg/Kg	1.1	6/29/2006 04:47 AM	SMiller

EMSL Analytical
3 Cooper St., Westmont, NJ 08108
Phone: (856) 858-4800 Fax: (855) 858-4571 Email: jsmith@emsl.com

EMSL SM

Attn: **Scott Welsh**
Sierra Environmental Services, inc.
PO Box 109
Marlton, NJ 08053

Fax: (856) 583-6004 Phone: (856) 988-9259

Customer ID: SENS62
Customer PO:
Received: 06/26/06 5:00 PM
EMSL Order: 010603330
EMSL Proj:
Report Date: 6/29/2006

Client Sample Description 5+45 @ 93A Matteo Dup — *Collected:* 6/26/2006 11:58:00 AM — *Lab ID:* 0006

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	97	%	0.5	6/27/2006 04:00 PM	ssamayam
Lead, Total	6010B	Lead	330	mg/Kg	0.99	6/29/2006 03:15 AM	SMiller

Client Sample Description 5+35 @ 97 Matteo — *Collected:* 6/26/2006 10:20:00 AM — *Lab ID:* 0007

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	96	%	0.5	6/27/2006 04:00 PM	ssamayam
Lead, Total	6010B	Lead	26	mg/Kg	0.95	6/29/2006 04:55 AM	SMiller

Client Sample Description 5+35 @ 97A Matteo Dup — *Collected:* 6/26/2006 10:20:00 AM — *Lab ID:* 0008

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	96	%	0.5	6/27/2006 04:00 PM	ssamayam
Lead, Total	6010B	Lead	17	mg/Kg	0.97	6/29/2006 05:02 AM	SMiller

Client Sample Description D-13#1 Matteo — *Collected:* 6/26/2006 10:00:00 AM — *Lab ID:* 0009

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Lead	6010B	Lead	3.4	ug/wipe	0.50	6/29/2006 07:05 AM	SMiller

Prep blank hit for Pb at 0.96 ug/wipe.

Client Sample Description Limit 1 — *Collected:* 6/26/2006 1:41:00 PM — *Lab ID:* 0010

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	84	%	0.5	6/27/2006 04:00 PM	ssamayam
Lead, Total	6010B	Lead	300	mg/Kg	1.2	6/29/2006 05:10 AM	SMiller

EMSL Analytical
3 Cooper St., Westmont, NJ 08108
Phone: (856) 858-4800 Fax: (856) 858-4571 Email: jsmith@emsl.com

Attn: **Scott Welsh**
Sierra Environmental Services, Inc.
PO Box 109
Marlton, NJ 08053

Fax: (856) 583-6004 Phone: (856) 988-9259

Customer ID: SENS62
Customer PO:
Received: 06/26/06 5:00 PM
EMSL Order: 010603330
EMSL Proj:
Report Date: 6/29/2006

Client Sample Description Limit 2 Matteo *Collected:* 6/26/2006 1:41:00 PM *Lab ID:* 0011

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	67	%	0.5	6/27/2006 04:00 PM	ssamayam
Lead, Total	6010B	Lead	940	mg/Kg	1.5	6/29/2006 05:18 AM	SMiller

EMSL SM

CHAIN OF CUSTODY

(Pg 1 of 2)

EMSL Analytical, Inc.
Chemistry Lab
3 Cooper St., Westmont, NJ 08108
TEL: (856) 858-4800 FAX: (856) 858-4571

Chain of Custody / Analysis Request Form

Print ALL Information. Put N/A in blanks not applicable

EMSL Project # 010603,20
Account Rep:
Indicate State where samples collected:

REPORT RESULTS TO:	SEND INVOICE TO:	TURNAROUND TIME
Name: SCOTT WELSH	Name: SAME PO#:	Date Results needed by:
Company: SIERRA ENVIRONMENTAL	Company	*Standard 6-10 days or 2 weeks ☐ *11-15 days or 3 weeks ☐ *16-21 days or 4 weeks ☐
Address P.O. BOX 109	Address	The following turnaround times require lab approval:
City MACLTON	City	☐ *4-5 days or 1week ☐ 72 Hrs ☑ 48 Hrs
State NJ ZIP 08053	State ZIP	☐ 24 Hrs Approved by
TEL: 856-625-7829 FAX: 856-583-	TEL: FAX:	*same price and tat for weeks or days
Sampled by: (Signature) 6004	# of Samples in Shipment:	Date of Sample Shipment: 6/26/06

Failure to complete shaded areas will hinder processing of samples.

	Sample Number	Station Location /Sample ID	WIPE COMP	GRAB	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	Method Preserved: HCL	HNO3	H2SO4	ICE	OTHER	Sampling: DATE	TIME	List Test Needed: 6010 Cd	WIPE
-01	1. 5+15@97	MATRIX		✓		✓							✓		6/26	1148	✓	
-02	2. 5+15@97A	MATRIX DUP		✓		✓							✓			1148	✓	
-03	3. 5+45@115	MATRIX		✓		✓							✓			1150	✓	
-04	4. 5+45@115A	MATRIX DUP		✓		✓							✓			1150	✓	
-05	5. 5+45@93	MATRIX		✓		✓							✓			1158	✓	
-06	6. 5+45@93A	MATRIX DUP		✓		✓							✓			1158	✓	
-07	7. 5+35@97	MATRIX		✓		✓							✓			1020	✓	
-08	8. 5+35@97A	MATRIX DUP		✓		✓							✓			1020	✓	
-09	9. D-13#1	MATRIX	✓										✓			1060		✓
-10	10. LIMIT 1			✓		✓							✓			1341	✓	

Released By Signature	Date & Time Released	Delivery Method	Received By Signature	Agency	Date & Time Received	Condition Noted
[signature]	5:00 p 6/26/06		[signature]	EMSL	6/26/06 1700	5°=6 Bag of Ice

Comments:

Please indicate reporting requirements: ☑ 1. Results Only ☑ 2. Results and QC ☐ 3. Reduced Deliverables ☐ 4. Disk Deliverable

0008

(Pg 2 of 2)

EMSL Analytical, Inc.
Chemistry Lab
3 Cooper St., Westmont, NJ 08108
TEL: (856) 858-4800 FAX: (856) 858-4571

Chain of Custody / Analysis Request Form

Print ALL Information. Put N/A in blanks not applicable

EMSL Project # 0106 035
Account Rep:
Indicate State where samples collected:

REPORT RESULTS TO:	SEND INVOICE TO:	TURNAROUND TIME
Name: SCOTT WELSH	Name: PO#:	Date Results needed by:
Company: SIERRA ENVIRONMENTAL SERVICES INC.	Company	*Standard 6-10 days or 2 weeks ☐ *11-15 days or 3 weeks ☐ *16-21 days or 4 weeks ☐
Address P.O. BOX 109	Address	The following turnaround times require lab approval:
City MARLTON	City	☐ *4-5 days or 1 week ☐ 72 Hrs ☐ 48 Hrs
State NJ ZIP 08053	State ZIP	☐ 24 Hrs Approved by
TEL: 856 625-7819 FAX: 856 583 6004	TEL: FAX:	*same price and tat for weeks or days
Sampled by: (Signature)	# of Samples in Shipment:	Date of Sample Shipment:

Failure to complete shaded areas will hinder processing of samples.

	Sample Number	Station Location /Sample ID	COMP	GRAB	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	Method Preserved: HCL	HNO3	H2SO4	ICE	OTHER	Sampling: DATE	TIME	List Test Needed: 600 ICP						
11	1. LIMIT 2	MATRIX		✓		✓							✓		6/26	1341	✓						
12	2.																						
13	3.																						
14	4.																						
15	5.																						
16	6.																						
17	7.																						
18	8.																						
19	9.																						
20	10.																						

Released By Signature	Date & Time Released	Delivery Method	Received By Signature	Agency	Date & Time Received	Condition Noted
[signature]	5:00 6/26/06		[signature]	EMI	6/26/06 1700	5°C Bagoffe

Comments:

Please indicate reporting requirements: ☐ 1. Results Only ☐ 2. Results and QC ☐ 3. Reduced Deliverables ☐ 4. Disk Deliverable

0009

EMSL Analytical

Sample Receiving Form

Client: Sierra Env	
Project Number: 010603330	
Temperature Upon Receipt: 5°	Shipment Method: Drop off

	YES	NO	NA
Were custody seals on shipping containers intact? Check 'NA' if no seals, or if containers were hand delivered.			X
Were Chain of Custody Forms included with the samples?	X		
Were Chain of Custody Forms filled out completely?	X		
Were all sample cohtainers received in good condition?	X		
Is there sufficient amount of sample for each test indicated?	X		
Were the sample containers properly preserved?			X
Was pH of the samples checked at the time of login?			X
Were any sample pHs adjusted at the time of login? Document on COC.			X
Were samples received within holding times?	X		
if the sample holding time was outside regulatory limits, was the client informed? Date client contacted: _____ Initials: _____ Client comments: _____			X
Were air bubbles present in any of the VOA bottles?			X
Were samples in direct contact with ice? X wet ____ blue			
Was the sample cooler temperature 4°C ± 2° upon receipt at the laboratory?	X		
If the temperature was outside regulatory limits, was the client informed? Date client contacted: _____ Initials: _____ Client comments: _____			X
Will samples be subcontracted to another lab? Subcontractor: _____ Date sent: _____ Analyses: _____			X
Sample Custodian: K. Sparks			
Additional Comments:			

EMSL PROJECT No.: 01060 3330

Client Name: Sierra Envi (Optional)

SAMPLE ID No.(s) -01-> -11 (List all alphabetic characters used on this project.)

9 Depleted (wipe)

Walk- In Refrigerator (Prep. Lab)

Shelf Location In Refrigerator: Check appropriate B-4

Auxiliary Storage Location - Not Refrigerator: (Samples Not Requiring Refrigeration) Check appropriate

(if custody is transferred to a person, add Signature and Printed Name.)

Sample Container Information: (Optional)

EMSL Internal Chain of Custody

Date	Analysis/Analyses Performed	Sample Number/Numbers Used	letter	Printed Name	Signature	Time (24Hr. Only) Transfer	Returned	Initials Returned
login	Transfer to Wet Chemistry for Total Solids.			login	login			
Wet Chemistry	Receive & Return to Login Possession.			Wet Chemistry	Wet Chemistry			

Date	Analysis/Analyses Performed	Sample Number/Numbers Used	letter	Printed Name	Signature	Time (24Hr. Only) Sinn Out	Returned	Initials Returned
10/27	ICP	1-81		Devon	[illegible]	650	730	DH
6/27	TS	10-11		SSU	Suth Say	1020	1230	SSU

a	b	c	d	e	f	g	h	i	k	l	m	n	o	p	q	r	s	t
Y Sulfuric	Y Sulfuric	Y Sulfuric	Y Sulfuric	Y Sulfuric	Y Sulfuric	G NaOH	G NaOH	G NaOH	G (Zn) NaOH / Zn Ac.	G (Zn) NaOH / Zn Ac.	G (Zn) NaOH / Zn Ac.	R Nitric	R Nitric	R Nitric	R Nitric	R Nitric	R Nitric	R Nitric
u	v	w	x	y	z	aa	ab	ac	ad	ae	af	ag	ah	ai	ak	al	am	an
UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved

(If custody is transferred to a person, add Signature and Printed Name of that person.)

Login Personnel Relinquishing samples to the Refrigerator:

Printed Name: Kevin Sparks

Signature: [signature]

Date In: 6/26/06 Time In:

TO:

Sample Disposal - Samples Removed By:

Printed Name: Kevin Sparks

Signature:

Date:

EMSL Preservations - "dot" color code:
Y = yellow=Sulfuric, G = green=NaOH, G(Zn)=NaOH + Zinc Acetate, R = red=HNO3, UP = Unpreserved.

Internal chain new 2001 walkin form.XLS

0011

EMSL SM

CASE NARRATIVE

EMSL Analytical **Case Narrative**

Project Number **010603330**

This report contains the analytical data for lead analyses of twelve soil samples. The samples were received by EMSL on June 26, 2006. The samples were analyzed in accordance with EPA SW-846 Method 6010B.

Sample Receipt
The sample cooler temperature was 5.0° upon receipt at the laboratory. The samples were received intact and in good condition.

Hold Times
All digestions and analyses were performed within the method specified hold time requirement. No major problems were encountered during the analyses of samples.

Metals
Calibrations: The ICV and CCV standards were within QC acceptance limits.
Blanks: Target analyte, lead, was not detected in the method blanks.
Interference Check Standard: The (ICS) recoveries were within control limits.
Matrix Spikes/Duplicates: The spike recoveries and RPD result fell outside control limits.
LCS: The percent recoveries were within control limits.
Post Digestion Spikes: The recovery fell within control limits.
Serial Dilutions: The percent differences met method acceptance criteria.

EMSL SM

METHODOLOGY SUMMARY

EMSL SM

METHODOLOGY SUMMARY

Metals - Solid

This is a procedure used to determine metals concentrations in soils. The procedure involves an acidic digestion under oxidizing conditions using approximately one (0.5 to 1) gram of soil or solid material. Nitric and hydrochloric acids as well as hydrogen peroxide are employed in the digestion. Digestion may be by hotplate/beaker, Hotblock™ @95 °C or microwave methods. The digested sample is filtered and diluted to 50 ml. Preparation Methods are: SW-846 Methods 3050B or 3051.

The analysis is performed by Inductively Coupled Plasma (ICP), furnace atomic absorption (GFAA) or flame atomic absorption (FLAA). Reference methods are: ***SHW;*** 1) ICP - SW-846 3rd Edition, Method 6010B, 2) GFAA – Method 7421 (Pb), 3) FLAA – Method 7420 (Pb).

Total Solids, Percent

This is a gravimetric analytical method used to determine the solids content present in either solid or semi-solid matrices by removing the water content through oven drying. An aliquot of the sample is weighed into a tared dish and then dried at 103-105°C. The final dried weight is subtracted from the initial wet weight. The percent total solids present in the sample is calculated as the solids remaining after drying calculated as %. Reference method is EPA Method 160.3 or Standard Methods for the Examination of Water and Wastewater, 18th Edition, Methods 2540B or 2540G (SLU) and SW-846 Method 3540C Section 7.2.

EMSL SM

METHODOLOGY

All analyses are adapted from one or more of the following reference methods:

- "Guidelines Establishing Test Procedures for the Analysis of Pollutants", Code of Federal Regulations Vol. 40, Part 136.
- "Test Methods for Evaluating Solid Waste", SW846 3rd Edition, 1996.
- "Appendix II-Method 1311 Toxicity Characteristic Leaching Procedure (TCLP)". Code of Federal Regulations Vol. 40, Part 261.
- "Standard Methods for the Examination of Water and Wastewater", 18th and 19th edition.
- "Methods for the Chemical Analysis of Water and Wastes", EPA 600/4-79-020, 1983.
- "Annual Book of Standards, Section 11-Water", American Society for Testing and Materials (ASTM).
- "Methods for the Determination of Organic Compounds in Drinking Water", EPA 600R/95-131, 1995.
- "Official Methods of Analysis", Association of Official Analytical Chemists (AOAC), 15th Edition, 1990.
- NIOSH Manual of Analytical Methods, 4th Edition, 1994, DHHS Pub. No. 94-113.

DEFINITIONS OF ABBREVIATIONS

U:	Not Detected	**B:**	Compound found in method blank
E:	Estimated Concentration	**ND:**	Not Detected
NFL:	No Free Liquid	**D:**	Dilution
NR:	Not Requested	**MDL:**	Method detection limit
NA:	Not Applicable	**MS/MSD:**	Matrix Spike/Matrix Spike Duplicate
<:	Less than minimum detection limit	**RPD:**	Relative Percent Difference
NC:	Not calculable	**RSD:**	Relative Standard Deviation
LCS:	Laboratory Control Sample	ppb	Parts per billion = µg/Kg, µg/L
NTU:	Nephelometric Turbidity Units	ppm	Parts per million = mg/Kg, µg/g
J:	Compound detected below reportable detection limit	µmhos:	Conductivity units; resistance is expressed in ohms
°F:	degrees Fahrenheit	col/3:	Colonies per volume of sample
°C:	degrees Celcius	mg:	milligram (1000 mg = 1 g)
µg:	microgram (1000 µg = 1 mg)	ml:	milliliter (1000 ml = IL)
g:	gram (1000 g = 1 kg)	L	liter
µl:	microliter (1000 µl= 1 ml)	Kg:	Kilogram

COMMENTS: All soil samples are calculated on a dry weight basis except where noted.

EMSL

New Jersey Department of Environmental Protection
Division of Water Resources
Bureau of Underground Storage Tanks
CN-029, Trenton, New Jersey 08625

LABORATORY AUTHENTICATION STATEMENT

I certify under penalty of law, where applicable, this laboratory meets the Laboratory Performance Standards and Quality Control requirements specified in N.J.A.C. 7:18, 40 CFR Part 136 for Water and Wastewater Analyses and SW 846 for Solid Waste Analyses. I have personally examined and am familiar with the information contained in this report, and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, complete, and meets the standards specified in N.J.A.C. 7:18, 40 CFR Part 136, and/or SW 846. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment.

Laboratory Manager (as defined in N.J.A.C. 7:18)

Asbestos • Lead • Environmental • Materials & Indoor Air Analysis

EMSL ANALYTICAL, INC.

http://www.emsl.com

Corporate Office & Lab
107 Haddon Avenue
Westmont, NJ 08108
1-800-220-3675

ANALYTICAL DATA REPORT
FOR
SIERRA ENVIRONEMNTAL SERVICES, INC.
P.O. Box 109
Marlton, NJ 08053

PROJECT: Matteo

EMSL Project: 010603356

Field Sample No. & Location	Laboratory Sample ID	Matrix	Date & Time of Collection	Date Received
8+12@107 Matteo	010603356-0001	Soil	6/27/06 @ 0300	6/28/06
8+12@107 Duplicate	010603356-0002	Soil	6/27/06 @ 0300	6/28/06
8+45@113 Matteo	010603356-0003	Soil	6/27/06 @ 0300	6/28/06
8+45@113 Duplicate	010603356-0004	Soil	6/27/06 @ 0300	6/28/06
8+20@124 Matteo	010603356-0005	Soil	6/27/06 @ 0300	6/28/06
8+20@124 Duplicate	010603356-0006	Soil	6/27/06 @ 0300	6/28/06
8+00@92 Matteo	010603356-0007	Soil	6/27/06 @ 0300	6/28/06
8+00@92 Duplicate	010603356-0008	Soil	6/27/06 @ 0300	6/28/06

Laboratory Name — EMSL ANALYTICAL, INC.

Certification No. — NJ-NELAP LAB: No. 04653

Laboratory Manager
or other approved signatory
Date

7/27/06

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SAMPLE DATA SUMMARY PACKAGE

EMSL Analytical
3 Cooper St., Westmont, NJ 08108
Phone: (856) 858-4800 Fax: (856) 858-4571 Email: jsmith@emsl.com

EMSL

Attn: **Scott Welsh**
Sierra Environmental Services, Inc.
PO Box 109
Marlton, NJ 08053
Fax: (856) 583-6004 Phone: (856) 988-9259

Customer ID: SENS62
Customer PO:
Received: 06/28/06 9:22 AM
EMSL Order: 010603356
EMSL Proj:
Report Date: 6/30/2006

Client Sample Description 8+12@107 Matteo — *Collected:* 6/27/2006 3:00:00 PM — *Lab ID:* 0001

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	94	%	0.5	6/28/2006 03:45 PM	ssamayam
Lead, Total	6010B	Lead	5.6	mg/Kg	1.0	6/30/2006 03:56 AM	SHansen

Client Sample Description 8+12@107 Duplicate — *Collected:* 6/27/2006 3:00:00 PM — *Lab ID:* 0002

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	91	%	0.5	6/28/2006 03:45 PM	ssamayam
Lead, Total	6010B	Lead	9.3	mg/Kg	1.1	6/30/2006 04:04 AM	SHansen

Client Sample Description 8+45@113 Matteo — *Collected:* 6/27/2006 3:00:00 PM — *Lab ID:* 0003

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	87	%	0.5	6/28/2006 03:45 PM	ssamayam
Lead, Total	6010B	Lead	1300	mg/Kg	1.1	6/30/2006 04:12 AM	SHansen

Client Sample Description 8+45@113 Duplicate — *Collected:* 6/27/2006 3:00:00 PM — *Lab ID:* 0004

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	92	%	0.5	6/28/2006 03:45 PM	ssamayam
Lead, Total	6010B	Lead	1400	mg/Kg	1.1	6/30/2006 04:19 AM	SHansen

Client Sample Description 8+20@124 Matteo — *Collected:* 6/27/2006 3:00:00 PM — *Lab ID:* 0005

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	81	%	0.5	6/28/2006 03:45 PM	ssamayam
Lead, Total	6010B	Lead	930	mg/Kg	1.2	6/30/2006 04:27 AM	SHansen

EMSL Analytical
3 Cooper St., Westmont, NJ 08108
Phone: (856) 858-4800 Fax: (856) 858-4371 Email: jsmith@emsl.com

Attn: **Scott Welsh**
Sierra Environmental Services, Inc.
PO Box 109
Marlton, NJ 08053

Fax: (856) 583-6004 Phone: (856) 988-9259

Customer ID: SENS62
Customer PO:
Received: 06/28/06 9:22 AM
EMSL Order: 010603356
EMSL Proj:
Report Date: 6/30/2006

Client Sample Description 8+20@124 Duplicate *Collected:* 6/27/2006 3:00:00 PM *Lab ID:* 0006

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	92	%	0.5	6/28/2006 03:45 PM	ssamayam
Lead, Total	6010B	Lead	2900	mg/Kg	1.1	6/30/2006 04:34 AM	SHansen

Client Sample Description 8+00@92 Matteo *Collected:* 6/27/2006 3:00:00 PM *Lab ID:* 0007

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	95	%	0.5	6/28/2006 03:45 PM	ssamayam
Lead, Total	6010B	Lead	1600	mg/Kg	1.0	6/30/2006 02:56 AM	SHansen

Client Sample Description 8+00@92 Duplicate *Collected:* 6/27/2006 3:00:00 PM *Lab ID:* 0008

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	96	%	0.5	6/28/2006 03:45 AM	ssamayam
Lead, Total	6010B	Lead	2400	mg/Kg	0.96	6/30/2006 04:42 AM	SHansen

EMSL SM

CHAIN OF CUSTODY

0106 0556

EMSL Analytical, Inc.
Chemistry Lab
3 Cooper St., Westmont, NJ 08108
TEL: (856) 858-4800 FAX: (856) 858-4571

Chain of Custody / Analysis Request Form

Print ALL Information. Put N/A in blanks not applicable

EMSL Project #
Account Rep:
Indicate State where samples collected: NJ

REPORT RESULTS TO:	SEND INVOICE TO:	TURNAROUND TIME
Name: SCOTT WELSH	Name: PO#:	Date Results needed by:
Company: SIERRA ENVIRONMENTAL	Company SAME	*Standard 6-10 days or 2 weeks ☐ *11-15 days or 3 weeks ☐ *16-21 days or 4 weeks ☐
Address PO BOX	Address	The following turnaround times require lab approval:
City MARLTON	City	☐ *4-S days or 1week ☐ 72 Hrs ☒ 48 Hrs
State NJ ZIP 08053	State ZIP	☐ 24 Hrs Approved by
TEL: FAX: 856 583 6004	TEL: FAX:	*same price and tat for weeks or days
Sampled by: (Signature)	# of Samples in Shipment: 8	Date of Sample Shipment: 6/27/06

Failure to complete shaded areas will hinder processing of samples.

	Sample Number	Station Location /Sample ID	COMP	GRAB	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	Method Preserved: HCL	HNO3	H2SO4	ICE	OTHER	Sampling: DATE	TIME	List Test Needed: 6010 ICP						
1.	8+12@107	MATTEO		X		X							X		6/27	3:00							
2.	8+12@107	DUPLICATE		X		X							X										
3.	8+45@113	MATTEO		X		X							X										
4.	8+45@113	DUPLICATE		X		X							X										
5.	8+20@124	MATTEO		X		X							X										
6.	8+20@[illegible]	[illegible]124 DUPLICATE		X		X							X										
7.	8+00@92	MATTEO		X		X							X										
8.	8+00@92	DUPLICATE		X		X							X										
9.																							
10.																							

Released By Signature	Date & Time Released	Delivery Method	Received By Signature	Agency	Date & Time Received	Condition Noted
[signature]	6/27/06 4:00PM		[signature]		6/28/06 9:20AM	3°

Comments:

Please indicate reporting requirements: ☐ 1. Results Only ☐ 2. Results and QC ☐ 3. Reduced Deliverables ☐ 4. Disk Deliverable

0007

EMSL Analytical **Sample Receiving Form**

Client: SIERRA Environmental	
Project Number:	
Temperature Upon Receipt: 3°	Shipment Method:

	YES	NO	NA
Were custody seals on shipping containers intact? Check 'NA' if no seals, or if containers were hand delivered.			X
Were Chain of Custody Forms included with the samples?	X		
Were Chain of Custody Forms filled out completely?	X		
Were all sample containers received in good condition?	X		
Is there sufficient amount of sample for each test indicated?	X		
Were the sample containers properly preserved?	X		
Was pH of the samples checked at the time of login?		X	
Were any sample pHs adjusted at the time of login? Document on COC.			X
Were samples received within holding times?	X		
If the sample holding time was outside regulatory limits, was the client Informed? Date client contacted: _____ Initials: _____ Client comments: _____			X
Were air bubbles present In any of the VOA bottles?			X
Were samples in direct contact with Ice? X wet X blue	X		
Was the sample cooler temperature 4°C ± 2° upon receipt at the laboratory?	X		
If the temperature was outside regulatory limits, was the client informed? Date client contacted: _____ Initials: _____ Client comments: _____			X
Will samples be subcontracted to another lab? Subcontractor: _____ Date sent: _____ Analyses: _____		X	
Sample Custodian: _____			
Additional Comments:			

EMSL PROJECT No.: 01060356

Client Name: Sierra Environmental
(Optional)

SAMPLE ID No.(s) 1-8
(List all alphabetic characters used on this project.)

Walk- In Refrigerator (Prep. Lab)

Shelf Location in Refrigerator: Check appropriate

Auxiliary Storage Location - Not Refrigerator : Check appropriate
(Samples Not Requiring Refrigeration)
(If custody is transferred to a person, add Signature and Printed Name.)

Sample Container Information:
(Optional)

EMSL Internal Chain of Custody

Date	Analysis/Analyses Performed	Sample Number/Numbers Used	letter	Printed Name	Signature	Time (24Hr. Only) Transfer	Returned	Initials Rel.
login	Transfer to Wet Chemistry for Total Solids.			login	login			
Wet Chemistry	Receive & Return to Login Possession.			Wet Chemistry	Wet Chemistry			

Date	Analysis/Analyses Performed	Sample Number/Numbers Used	letter	Printed Name	Signature	Time (24Hr. Only) Sign Out	Returned	Initials Rel.
6/28	TCP	3356-1-8		[illegible]	[illegible]	1230	1300	[illegible]
6/28	TS	1-8		SSn	[illegible]	1241	1630	SV

a	b	c	d	e	f	g	h	j	k	l	m	n	o	p	q	r	s	t
Y Sulfuric	Y Sulfuric	Y Sulfuric	Y Sulfuric	Y Sulfuric	Y Sulfuric	G NaOH	G NaOH	G NaOH	G (Zn) NaOH / Zn Ac.	G (Zn) NaOH / Zn Ac.	G (Zn) NaOH / Zn Ac.	R Nitric	R Nitric	R Nitric	R Nitric	R Nitric	R Nitric	
u	v	w	x	y	z	aa	ab	ac	ad	ae	af	ag	ah	aj	ak	al	am	an
UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	

(If custody is transferred to a person, add Signature and Printed Name of that person.)

Login Personnel Relinquishing samples to the Refrigerator: TO:

Printed Name: Kevin Sparks

Signature:

Date In: 6/28/06 Time In:

Sample Disposal - Samples Removed by:

Printed Name: Kevin Sparks

Signature:

Date:

EMSL Preservations - "dot" color code:
Y = yellow=Sulfuric, G = green=NaOH, G(Zn)=NaOH + Zinc Acetate, R = red=HNO3, UP = Unpreserved.

6000

EMSL SM

CASE NARRATIVE

EMSL Analytical **Case Narrative**

Project Number 010603356

This report contains the analyticai data for lead analyses of eight soil samples. The samples were received by EMSL on June 28, 2006. The samples were analyzed In accordance with EPA SW-846 Method 6010B.

Sample Receipt
The sample cooler temperature was 3.0° upon receipt at the laboratory. The samples were received intact and in good condition.

Hold TIme s
All digestions and analyses were performed within the method specified hold time requirement. No major problems were encountered during the analyses of samples.

Metals
Calibrations: The ICV and CCV standards were within QC acceptance limits.
Blanks: Target analyte, lead, was not detected in the method blanks.
Interference Check Standard: The (ICS) recoveries were within control limits.
Matrix Spikes/Duplicates: The spike recoveries fell outside control limits (high) because the sample concentration was greater than 4x the spike amount. The RPD data for fell within control limits.
LCS: The percent recoveries were within control limits.
Post Digestion Spikes: The recovery fell outside control limits.
Serial Dilutions: The percent differences met method acceptance criteria.

EMSL SM

METHODOLOGY SUMMARY

EMSL SM

METHODOLOGY SUMMARY

Metals - Solid

This is a procedure used to determine metals concentrations in soils. The procedure involves an acidic digestion under oxidizing conditions using approximately one (0.5 to 1) gram of soil or solid material. Nitric and hydrochloric acids as well as hydrogen peroxide are employed in the digestion. Digestion may be by hotplate/beaker, Hotblock™ @95 °C or microwave methods. The digested sample is filtered and diluted to 50 ml. Preparation Methods are: SW-846 Methods 3050B or 3051.

The analysis is performed by Inductively Coupled Plasma (ICP), furnace atomic absorption (GFAA) or flame atomic absorption (FLAA). Reference methods are: ***SHW;*** 1) ICP - SW-846 3rd Edition, Method 6010B, 2) GFAA – Method 7421 (Pb), 3) FLAA – Method 7420 (Pb).

Total Solids, Percent

This is a gravimetric analytical method used to determine the solids content present in either solid or semi-solid matrices by removing the water content through oven drying. An aliquot of the sample is weighed into a tared dish and then dried at 103-105°C. The final dried weight is subtracted from the initial wet weight. The percent total solids present in the sample is calculated as the solids remaining after drying calculated as %. Reference method is EPA Method 160.3 or Standard Methods for the Examination of Water and Wastewater, 18th Edition, Methods 2540B or 2540G (SLU) and SW-846 Method 3540C Section 7.2.

EMSL SM

METHODOLOGY

All analyses are adapted from one or more of the following reference methods:

- "Guidelines Establishing Test Procedures for the Analysis of Pollutants", Code of Federal Regulations Vol. 40, Part 136.
- "Test Methods for Evaluating Solid Waste", SW846 3rd Edition, 1996.
- "Appendix II-Method 1311 Toxicity Characteristic Leaching Procedure (TCLP)". Code of Federal Regulations Vol. 40, Part 261.
- "Standard Methods for the Examination of Water and Wastewater", 18th and 19th edition.
- "Methods for the Chemical Analysis of Water and Wastes", EPA 600/4-79-020, 1983.
- "Annual Book of Standards, Section 11-Water", American Society for Testing and Materials (ASTM).
- "Methods for the Determination of Organic Compounds in Drinking Water", EPA 600R/95-131, 1995.
- "Official Methods of Analysis", Association of Official Analytical Chemists (AOAC), 15th Edition, 1990.
- NIOSH Manual of Analytical Methods, 4th Edition, 1994, DHHS Pub. No. 94-113.

DEFINITIONS OF ABBREVIATIONS

U:	Not Detected	**B:**	Compound found in method blank
E:	Estimated Concentration	**ND:**	Not Detected
NFL:	No Free Liquid	**D:**	Dilution
NR:	Not Requested	**MDL:**	Method detection limit
NA:	Not Applicable	**MS/MSD:**	Matrix Spike/Matrix Spike Duplicate
<:	Less than minimum detection limit	**RPD:**	Relative Percent Difference
NC:	Not calculable	**RSD:**	Relative Standard Deviation
LCS:	Laboratory Control Sample	ppb	Parts per billion = µg/Kg, µg/L
NTU:	Nephelometric Turbidity Units	ppm	Parts per million = mg/Kg, µg/g
J:	Compound detected below reportable detection limit	µmhos:	Conductivity units; resistance is expressed in ohms
°F:	degrees Fahrenheit	col/3:	Colonies per volume of sample
°C:	degrees Celcius	mg:	milligram (1000 mg = 1 g)
µg:	microgram (1000 µg = 1 mg)	ml:	milliliter (1000 ml = IL)
g:	gram (1000 g = 1 kg)	L	liter
µl:	microliter (1000 µl= 1 ml)	Kg:	Kilogram

COMMENTS: All soil samples are calculated on a dry weight basis except where noted.

EMSL SM

New Jersey Department of Environmental Protection
Division of Water Resources
Bureau of Underground Storage Tanks
CN-029, Trenton, New Jersey 08625

LABORATORY AUTHENTICATION STATEMENT

I certify under penalty of law, where applicable, this laboratory meets the Laboratory Performance Standards and Quality Control requirements specified in N.J.A.C. 7:18, 40 CFR Part 136 for Water and Wastewater Analyses and SW 846 for Solid Waste Analyses. I have personally examined and am familiar with the information contained in this report, and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, complete, and meets the standards specified in N.J.A.C. 7:18, 40 CFR Part 136, and/or SW 846. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment.

Laboratory Manager (as defined in N.J.A.C. 7:18)

Asbestos • Lead • Environmental • Materials & Indoor Air Analysis

EMSL ANALYTICAL, INC.

http://www.emsl.com

Corporate Office & Lab
107 Haddon Avenue
Westmont, NJ 08108
1-800-220-3675

ANALYTICAL DATA REPORT
FOR
SIERRA ENVIRONEMNTAL SERVICES, INC.
P.O. Box 109
Marlton, NJ 08053

PROJECT: Matteo

EMSL Project: 010603381

Field Sample No. & Location	Laboratory Sample ID	Matrix	Date & Time of Collection	Date Received
7+85@105-6 Matteo	010603381-0001	Soil	6/29/06 @ 1050	6/29/06
7+85@105-6 Duplicate	010603381-0002	Soil	6/29/06 @ 1050	6/29/06
7+45@105-6 Matteo	010603381-0003	Soil	6/29/06 @ 1100	6/29/06
7+45@105-6 Duplicate	010603381-0004	Soil	6/29/06 @ 1100	6/29/06
7+15@104-6 Matteo	010603381-0005	Soil	6/29/06 @ 1145	6/29/06
7+15@104-6 Duplicate	010603381-0006	Soil	6/29/06 @ 1145	6/29/06
7+15D@104-6 Matteo	010603381-0007	Soil	6/29/06 @ 1145	6/29/06
7+15D@104-6 Duplicate	010603381-0008	Soil	6/29/06 @ 1145	6/29/06
6+85@105-6 Matteo	010603381-0009	Soil	6/29/06 @ 1215	6/29/06
6+85@105-6 Duplicate	010603381-0010	Soil	6/29/06 @ 1215	6/29/06
6+77@90 SW Matteo	010603381-0011	Soil	6/29/06 @ 1230	6/29/06
6+77@90 SW Duplicate	010603381-0012	Soil	6/29/06 @ 1230	6/29/06

Laboratory Name — EMSL ANALYTICAL, INC.

Certification No. — NJ-NELAP LAB: No. 04653

Laboratory Manager
or other approved signatory
Date — 7/27/06

EMSL

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EMSL SM

SAMPLE DATA SUMMARY PACKAGE

EMSL Analytical
3 Cooper St., Westmont, NJ 08108
Phone: (856) 858-4800 Fax: (856) 858-4571 Email: jsmith@emsl.com

EMSL

Attn: **Scott Welsh**
Sierra Environmental Services, Inc.
PO Box 109
Marlton, NJ 08053

Fax: (856) 583-6004 Phone: (856) 988-9259

Customer ID: SENS62
Customer PO:
Received: 06/29/06 2:25 PM
EMSL Order: 010603381
EMSL Proj:
Report Date: 7/3/2006

Client Sample Description 7+85@105-6/Matteo Matteo — *Collected:* 6/29/2006 10:50:00 AM — *Lab ID:* 0001

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	90	%	0.5	6/29/2006 03:45 PM	ssamayam
Lead, Total	6010B	Lead	110	mg/Kg	1.1	6/30/2006 10:36 PM	SHansen

Client Sample Description 7+85@105-6/Duplicate Duplicate — *Collected:* 6/29/2006 10:50:00 AM — *Lab ID:* 0002

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	89	%	0.5	6/29/2006 03:45 PM	ssamayam
Lead, Total	6010B	Lead	110	mg/Kg	1.1	6/30/2006 10:43 PM	SHansen

ent Sample Description 7+45@105-6/Matteo Matteo — *Collected:* 6/29/2006 11:00:00 AM — *Lab ID:* 0003

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	90	%	0.5	6/29/2006 03:45 PM	ssamayam
Lead, Total	6010B	Lead	110	mg/Kg	1.1	6/30/2006 10:51 PM	SHansen

Client Sample Description 7+45@105-6/Duplicate Duplicate — *Collected:* 6/29/2006 11:00:00 AM — *Lab ID:* 0004

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	90	%	0.5	6/29/2006 03:45 PM	ssamayam
Lead, Total	6010B	Lead	180	mg/Kg	1.1	6/30/2006 10:59 PM	SHansen

Client Sample Description 7+15@104-6/Matteo Matteo — *Collected:* 6/29/2006 11:45:00 AM — *Lab ID:* 0005

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	86	%	0.5	6/29/2006 03:45 PM	ssamayam
Lead, Total	6010B	Lead	680	mg/Kg	1.1	6/30/2006 11:06 PM	SHansen

EMSL Analytical
3 Cooper St., Westmont, NJ 08108
Phone: (856) 858-4800 Fax: (856) 858-4571 Email: jsmith@emsi.com

EMSL SM

Attn: **Scott Welsh**
Sierra Environmental Services, Inc.
PO Box 109
Marlton, NJ 08053

Fax: (856) 583-6004 Phone: (856) 988-9259

Customer ID: SENS62
Customer PO:
Received: 06/29/06 2:25 PM
EMSL Order: 010603381
EMSL Proj:
Report Date: 7/3/2006

Client Sample Description 7+15@104-6/Duplicate Duplicate — *Collected:* 6/29/2006 11:45:00 AM — *Lab ID:* 0006

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	87	%	0.5	6/29/2006 03:45 PM	ssamayam
Lead, Total	6010B	Lead	630	mg/Kg	1.1	6/30/2006 11:14 PM	SHansen

Client Sample Description 7+15D104-6/Matteo Matteo — *Collected:* 6/29/2006 11:45:00 AM — *Lab ID:* 0007

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	85	%	0.5	6/29/2006 03:45 PM	ssamayam
Lead, Total	6010B	Lead	350	mg/Kg	1.2	6/30/2006 11:21 PM	SHansen

Client Sample Description 7+15D104-6/Duplicate Duplicate — *Collected:* 6/29/2006 11:45:00 AM — *Lab ID:* 0008

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	87	%	0.5	6/29/2006 03:45 PM	ssamayam
Lead, Total	6010B	Lead	450	mg/Kg	1.1	6/30/2006 11:29 PM	SHansen

Client Sample Description 6+85@105-6/Matteo Matteo — *Collected:* 6/29/2006 12:15:00 AM — *Lab ID:* 0009

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	89	%	0.5	6/29/2006 03:45 PM	ssamayam
Lead, Total	6010B	Lead	34	mg/Kg	1.1	6/30/2006 11:37 PM	SHansen

Client Sample Description 6+85@105-6/Duplicate Duplicate — *Collected:* 6/29/2006 12:15:00 PM — *Lab ID:* 0010

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	90	%	0.5	6/29/2006 03:45 PM	ssamayam
Lead, Total	6010B	Lead	80	mg/Kg	1.1	6/30/2006 11:44 PM	SHansen

EMSL Analytical
3 Cooper St., Westmont, NJ 08108
Phone: (856) 658-4800 Fax: (856) 858-4571 Email: jsmith@emsl.com

EMSL SM

Attn: **Scott Welsh**
Sierra Environmental Services, Inc.
PO Box 109
Marlton, NJ 08053

Fax: (856) 583-6004 Phone: (856) 988-9259

Customer ID: SENS62
Customer PO:
Received: 06/29/06 2:25 PM
EMSL Order: 010603381
EMSL Proj:
Report Date: 7/3/2006

Client Sample Description 6+77@90sw/Matleo Matteo *Collected:* 6/29/2006 12:30:00 PM *Lab ID:* 0011

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	90	%	0.5	6/29/2006 03:45 PM	ssamayam
Lead, Total	6010B	Lead	300	mg/Kg	1.1	7/1/2006 12:07 AM	SHansen

Client Sample Description 6+77@90sw/Duplicate Duplicate *Collected:* 6/29/2006 12:30:00 PM *Lab ID:* 0012

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	89	%	0.5	6/29/2006 03:45 PM	ssamayam
Lead, Total	6010B	Lead	490	mg/Kg	1.1	6/30/2006 09:35 PM	SHansen

EMSL SM

CHAIN OF CUSTODY

0106033 81 (1 of 2)

EMSL Analytical, Inc.
Chemistry Lab
3 Cooper St., Westmont, NJ 08108
TEL: (856) 858-4800 FAX: (856) 858-4571

Chain of Custody / Analysis Request Form

Print ALL Information. Put N/A in blanks not applicable

EMSL Project # 0106033 81
Account Rep:
Indicate State where samples collected: N.J.

REPORT RESULTS TO:	SEND INVOICE TO:	TURNAROUND TIME
Name: Scott Welsh	Name: PO#:	Date Results needed by:
Company: SIERRA Environmental	Company Same	*Standard 6-10 days or 2 weeks ☐ *11-15 days or 3 weeks ☐ *16-21 days or 4 weeks ☐
Address PO Box 109	Address	The following turnaround times require lab approval:
City Marlton	City	☐ *4-5 days or 1 week ☐ 72 Hrs ☒ 48 Hrs
State N.J. ZIP 08053	State ZIP	☐ 24 Hrs Approved by
TEL: FAX (856) 583-6004	TEL: FAX:	*same price and tat for weeks or days
Sampled by: (Signature)	# of Samples in Shipment: 10	Date of Sample Shipment: 6/29/06

Failure to complete shaded areas will hinder processing of samples

	Sample Number	Station Location /Sample ID	COMP	GRAB	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	Method Preserved: HCL	HNO3	H2SO4	ICE	OTHER	Sampling: DATE	TIME	List Test Needed: 6010 ICP						
-01	1. 7+85@105-6	Matteo		X		X							X		6/29	10:50A	X						
-02	2. 7+85@105-6	Duplicate		X		X							X		6/29	10:50A	X						
-03	3. 7+45@105-6	Matteo		X		X							X		6/29	11:00A	X						
-04	4. 7+45@105-6	Duplicate		X		X							X		6/29	11:00A	X						
-05	5. 7+15@104-6	Matteo		X		X							X		6/29	11:45A	X						
-06	6. 7+15@104-6	Duplicate		X		X							X		6/29	11:45A	X						
-07	7. 7+15D@104-6	Matteo		X		X							X		6/29	11:45A	X						
-08	8. 7+15D@104-6	Duplicate		X		X							X		6/29	11:45A	X						
-09	9. 6+85@105-6	Matteo		X		X							X		6/29	12:15A	X						
-10	10. 6+85@105-6	Duplicate		X		X							X		6/29	12:15A	X						

Released By Signature	Date & Time Released	Delivery Method	Received By Signature	Agency	Date & Time Received	Condition Noted
	6/29 2:05p			Emsl	6/29/06 1425	5°-6 Bags of Ice

Comments:

Please indicate reporting requirements: ☒ 1. Results Only ☒ 2. Results and QC ☐ 3. Reduced Deliverables ☐ 4. Disk Deliverable

0008

010603381 (1 of 2)

EMSL Analytical, Inc.
Chemistry Lab
3 Cooper St., Westmont, NJ 08108
TEL: (856) 858-4800 FAX: (856) 858-4571

Chain of Custody / Analysis Request Form

Print ALL Information. Put N/A in blanks not applicable

EMSL Project # 010603381
Account Rep:
Indicate State where samples collected: N.J.

REPORT RESULTS TO:	SEND INVOICE TO:	TURNAROUND TIME
Name: Scott Welsh	Name: PO#:	Date Results needed by:
Company: SIERRA Environmental	Company Same	*Standard 6-10 days or 2 weeks ☐ *11-15 days or 3 weeks ☐ *16-21 days or 4 weeks ☐
Address PO Box 109	Address	The following turnaround times require lab approval:
City Marlton	City	☐ *4-5 days or 1week ☐ 72 Hrs ☒ 48 Hrs
State N.J. ZIP 08053	State ZIP	☐ 24 Hrs Approved by
TEL (856) FAX (856) 583-6004	TEL: FAX:	*same price and tat for weeks or days
Sampled by: (Signature)	# of Samples in Shipment: 2	Date of Sample Shipment: 6/29/06

Failure to complete shaded areas will hinder processing of samples.

	Sample Number	Station Location /Sample ID	COMP	GRAB	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	Method Preserved: HCL	HNO3	H2SO4	ICE	OTHER	Sampling: DATE	TIME	List Test Needed: 6010 ICP						
-11 1.	6+77@90sw	matteo		X		X							X		6/29	12:30p	X						
-12 2.	6+77@90sw	Duplicate		X		X							X		6/29	12:30p	X						
3.																							
4.																							
5.																							
6.																							
7.																							
8.																							
9.																							
10.																							

Released By Signature	Date & Time Released	Delivery Method	Received By Signature	Agency	Date & Time Received	Condition Noted
[signature]	6/29 2:25p		[signature]	EMSL	6/29/06 1425	5°C Bag of Ice

Comments:

Please indicate reporting requirements: ☒ 1 Results Only ☒ 2 Results and QC ☒ 3 Reduced Deliverables ☒ 4 Disk Deliverable

6000

EMSL Analytical

Sample Receiving Form

Client: Sierra Env.	
Project Number: 01060381	
Temperature Upon Receipt: 5°	Shipment Method: Drop off

	YES	NO	NA
Were custody seals on shipping containers intact? Check 'NA' if no seals, or if containers were hand delivered.			X
Were Chain of Custody Forms included with the samples?	X		
Were Chain df Custody Forms filled out completely?	X		
Were all sample cohtainers received in good condition?	X		
Is there sufficient amount of sample for each test indicated?	X		
Were the sample containers properly preserved?	X		
Was pH of the samples checked at the time of login?			X
Were any sample pHs adjusted at the time of login? Document on COC.			X
Were samples received within holding times?	X		
If the sample holding time was outside regulatory limits, was the client Informed? Date client contacted: _____ Initials: _____ Client comments: _____			X
Were air bubbles present in any of the VOA bottles?			X
Were samples in direct contact with ice? X wet ____ blue	X		
Was the sample cooler temperature 4°C ± 2° upon receipt at the laboratory?	X		
If the temperature was outside regulatory limits, was the client informed? Date client contacted: _____ Initials: _____ Client comments: _____			X
Will samples be subcontracted to another lab? Subcontractor: _____ Date sent: _____ Analyses: _____		X	
Sample Custodian: [signature]			
Additional Comments:			

EMSL PROJECT No.: 010603381

Client Name: Sierra (Optional)

SAMPLE ID No.(s): -1-12
(List all alphabetic characters used on this project.)

Walk-In Refrigerator (Prep. Lab)

Shelf Location in Refrigerator: Check appropriate F-4

Auxiliary Storage Location - Not Refrigerator: Check appropriate
(Samples Not Requiring Refrigeration) (If custody is transferred to a person, add Signature and Printed Name.)

Sample Container Information: (Optional)

EMSL Internal Chain of Custody

Date	Analysis/Analyses Performed	Sample Number/Numbers Used	letter	Printed Name	Signature	Time (24Hr. Only) Transfer	Returned	Initials
login	Transfer to Wet Chemistry for Total Solids.			login	login			
Wet Chemistry	Receive & Return to Login Possession.			Wet Chemistry	Wet Chemistry			

Date	Analysis/Analyses Performed	Sample Number/Numbers Used	letter	Printed Name	Signature	Time (24Hr. Only) Sign Out	Returned	Initials
6/29	DP	3381-1	-12	[illegible]	[illegible]	1430	1500	[illegible]
6/29	TS	1-12		SSU	[illegible]	1545	1640	[illegible]
7/5	TPH	1-						

a	b	c	d	e	f	g	h	i	k	l	m	n	o	p	q	r	s	t
Y Sulfuric	Y Sulfuric	Y Sulfuric	Y Sulfuric	Y Sulfuric	Y Sulfuric	G NaOH	G NaOH	G NaOH	G (Zn) NaOH / Zn Ac.	G (Zn) NaOH / Zn Ac.	G (Zn) NaOH / Zn Ac.	R Nitric	R Nitric	R Nitric	R Nitric	R Nitric	R Nitric	
u	v	w	x	y	z	aa	ab	ac	ad	ae	af	ag	ah	aj	ak	al	am	an
UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	

(If custody is transferred to a person, add Signature and Printed Name of that person.)

Login Personnel Relinquishing samples to the Refrigerator: TO:

Printed Name: Kevin Sparks

Signature:

Time In:

Sample Disposal - Samples Removed by:

Printed Name: Kevin Sparks

Signature:

Date:

EMSL Preservations - "dot" color code:
Y = yellow=Sulfuric, G = green=NaOH, G(Zn)=NaOH + Zinc Acetate, R = red=HNO3, UP = Unpreserved.

0011

EMSL SM

CASE NARRATIVE

EMSL Analytical **Case Narrative**

Project Number 010603381

This report contains the analytical data for lead analyses of twelve soil samples. The samples were received by EMSL on June 29, 2006. The samples were analyzed in accordance with EPA SW-846 Method 6010B.

Sample Receipt
The sample cooler temperature was 5.0° upon receipt at the laboratory. The samples were received intact and in good condition.

Hold Times
All digestions and analyses were performed within the method specified hold time requirement. No major problems were encountered during the analyses of samples.

Metals
Calibrations: The ICV and CCV standards were within QC acceptance limits.
Blanks: Target analyte, lead, was not detected in the method blanks.
Interference Check Standard: The (ICS) recoveries were within control limits.
Matrix Spikes/Duplicates: The spike recoveries fell outside control limits because the sample concentration was 4x greater than the spike amount. The RPD result fell within control limits.
LCS: The percent recoveries were within control limits.
Post Digestion Spikes: The recovery fell within control limits.
Serial Dilutions: The percent differences met method acceptance criteria.

EMSL SM

METHODOLOGY SUMMARY

EMSL SM

METHODOLOGY SUMMARY

Metals - Solid

This is a procedure used to determine metals concentrations in soils. The procedure involves an acidic digestion under oxidizing conditions using approximately one (0.5 to I) gram of soil or solid material. Nitric and hydrochloric acids as well as hydrogen peroxide are employed in the digestion. Digestion may be by hotplate/beaker, Hotblock™ @95 °C or microwave methods. The digested sample is filtered and diluted to 50 ml. Preparation Methods are: SW-846 Methods 3050B or 3051.

The analysis is performed by Inductively Coupled Plasma (ICP), furnace atomic absorption (GFAA) or flame atomic absorption (FLAA). Reference methods are: ***SHW;*** 1) ICP - SW-846 3rd Edition, Method 6010B, 2) GFAA – Method 7421 (Pb), 3) FLAA – Method 7420 (Pb).

Total Solids, Percent

This is a gravimetric analytical method used to determine the solids content present in either solid or semi-solid matrices by removing the water content through oven drying. An aliquot of the sample is weighed into a tared dish and then dried at 103-105°C. The final dried weight is subtracted from the initial wet weight. The percent total solids present in the sample is calculated as the solids remaining after drying calculated as %. Reference method is EPA Method 160.3 or Standard Methods for the Examination of Water and Wastewater, 18th Edition, Methods 2540B or 2540G (SLU) and SW-846 Method 3540C Section 7.2.

EMSL SM

METHODOLOGY

All analyses are adapted from one or more of the following reference methods:

- "Guidelines Establishing Test Procedures for the Analysis of Pollutants", Code of Federal Regulations Vol. 40, Part 136.
- "Test Methods for Evaluating Solid Waste", SW846 3rd Edition, 1996.
- "Appendix II-Method 1311 Toxicity Characteristic Leaching Procedure (TCLP)". Code of Federal Regulations Vol. 40, Part 261.
- "Standard Methods for the Examination of Water and Wastewater", 18th and 19th edition.
- "Methods for the Chemical Analysis of Water and Wastes", EPA 600/4-79-020, 1983.
- "Annual Book of Standards, Section 11-Water", American Society for Testing and Materials (ASTM).
- "Methods for the Determination of Organic Compounds in Drinking Water", EPA 600R/95-131, 1995.
- "Official Methods of Analysis", Association of Official Analytical Chemists (AOAC), 15th Edition, 1990.
- NIOSH Manual of Analytical Methods, 4th Edition, 1994, DHHS Pub. No. 94-113.

DEFINITIONS OF ABBREVIATIONS

U:	Not Detected	B:	Compound found in method blank
E:	Estimated Concentration	ND:	Not Detected
NFL:	No Free Liquid	D:	Dilution
NR:	Not Requested	MDL:	Method detection limit
NA:	Not Applicable	MS/MSD:	Matrix Spike/Matrix Spike Duplicate
<:	Less than minimum detection limit	RPD:	Relative Percent Difference
NC:	Not calculable	RSD:	Relative Standard Deviation
LCS:	Laboratory Control Sample	ppb	Parts per billion = µg/Kg, µg/L
NTU:	Nephelometric Turbidity Units	ppm	Parts per million = mg/Kg, µg/g
J:	Compound detected below reportable detection limit	µmhos:	Conductivity units; resistance is expressed in ohms
°F:	degrees Fahrenheit	col/3:	Colonies per volume of sample
°C:	degrees Celcius	mg:	milligram (1000 mg = 1 g)
µg:	microgram (1000 µg = 1 mg)	ml:	milliliter (1000 ml = IL)
g:	gram (1000 g = 1 kg)	L	liter
µl:	microliter (1000 µl= 1 ml)	Kg:	Kilogram

COMMENTS: All soil samples are calculated on a dry weight basis except where noted.

EMSL SM

New Jersey Department of Environmental Protection
Division of Water Resources
Bureau of Underground Storage Tanks
CN-029, Trenton, New Jersey 08625

LABORATORY AUTHENTICATION STATEMENT

I certify under penalty of law, where applicable, this laboratory meets the Laboratory Performance Standards and Quality Control requirements specified in N.J.A.C. 7:18, 40 CFR Part 136 for Water and Wastewater Analyses and SW 846 for Solid Waste Analyses. I have personally examined and am familiar with the information contained in this report, and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, complete, and meets the standards specified in N.J.A.C. 7:18, 40 CFR Part 136, and/or SW 846. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment.

Laboratory Manager (as defined in N.J.A.C. 7:18)

Asbestos • Lead • Environmental • Materials & Indoor Air Analysis

EMSL ANALYTICAL, INC.

http://www.emsl.com

Corporate Office & Lab
107 Haddon Avenue
Westmont, NJ 08108
1-800-220-3675

ANALYTICAL DATA REPORT
FOR
SIERRA ENVIRONEMNTAL SERVICES, INC.
P.O. Box 109
Marlton, NJ 08053

PROJECT: Matteo

EMSL Project: 010603434

Field Sample No. & Location	Laboratory Sample ID	Mat	Date & Time of Collection	Date Received
6+55@100-6 Matteo	010603434-0001	Soil	6/30/06 @ 1100	6/30/06
6+55@100-6 Duplicate	010603434-0002	Soil	6/30/06 @ 1100	6/30/06
6+55@89 SW Matteo	010603434-0003	Soil	6/30/06 @ 1100	6/30/06
6+55@89 SW Duplicate	010603434-0004	Soil	6/30/06 @ 1100	6/30/06
6+55@89 SW Matteo MS	010603434-0005	Soil	6/30/06 @ 1100	6/30/06
6+55@89 SW Duplicate MSD	010603434-0006	Soil	6/30/06 @ 1100	6/30/06
6+60@125 SW Matteo	010603434-0007	Soil	6/30/06 @ 1100	6/30/06
6+60@125 SW Duplicate	010603434-0008	Soil	6/30/06 @ 1100	6/30/06
6+25@101-6 Matteo	010603434-0009	Soil	6/30/06 @ 1100	6/30/06
6+25@101-6 Duplicate	010603434-0010	Soil	6/30/06 @ 1100	6/30/06
6+25@101-89 –SW Matteo	010603434-0011	Soil	6/30/06 @ 1100	6/30/06
6+25@101-89 –SW Duplicate	010603434-0012	Soil	6/30/06 @ 1100	6/30/06

Laboratory Name — EMSL ANALYTICAL, INC.

Certification No. — NJ-NELAP LAB: No. 04653

Laboratory Manager
or other approved signatory
Date

7/27/06

EMSL SM

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SAMPLE DATA SUMMARY PACKAGE

EMSL Analytical
3 Cooper St., Westmont, NJ 08108
Phone: (856) 858-4800 Fax: (856) 858-4571 Email: jsmith@emsl.com

EMSL SM

Attn: **Scott Welsh**
Sierra Environmental Services, Inc.
PO Box 109
Marlton, NJ 08053

Fax: (856) 583-6004 Phone: (856) 988-9259

Customer ID: SENS62
Customer PO:
Received: 06/30/06 4:30 PM
EMSL Order: 010603434
EMSL Proj:
Report Date: 7/6/2006

Client Sample Description 6+25@89-SW(Matteo) *Collected:* 6/30/2006 11:00:00 AM *Lab ID:* 0009

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	93	%	0.5	7/3/2006 03:45 PM	ssamayam
Lead, Total	6010B	Lead	94	mg/Kg	1.0	7/4/2006 04:53 PM	SMiller

Pb RLs = 115% and 642%

Client Sample Description 6+55@89-SW(Duplicate) *Collected:* 6/30/2006 11:00:00 AM *Lab ID:* 0010

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	93	%	0.5	7/3/2006 03:45 PM	ssamayam
Lead, Total	6010B	Lead	160	mg/Kg	1.0	7/4/2006 05:00 PM	SMiller

Pb RLs = 115% and 642%

Client Sample Description 6+55@89-SW(Matteo)MS *Collected:* 6/30/2006 11:00:00 AM *Lab ID:* 0011

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	94	%	0.5	7/3/2006 03:45 PM	ssamayam
Lead, Total	6010B	Lead	350	mg/Kg	1.0	7/4/2006 03:28 PM	SMiller

Pb RLs = 115% and 642%

Client Sample Description 6+55@89-SW(Matteo)MSD *Collected:* 6/30/2006 11:00:00 AM *Lab ID:* 0012

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	95	%	0.5	7/3/2006 03:45 PM	ssamayam
Lead, Total	6010B	Lead	350	mg/Kg	1.0	7/4/2006 02:27 PM	SMiller

Pb RLs = 115% and 542%

EMSL Analytical
3 Cooper St., Westmont, NJ 08108
Phone: (656) 858-4800 Fax: (856) 858-4571 Email: jsmith@emsl.com

EMSL

Attn: **Scott Welsh**
Sierra Environmental Services, Inc.
PO Box 109
Marlton, NJ 08053

Fax: (856) 583-6004 Phone: (856) 988-9259

Customer ID: SENS62
Customer PO:
Received: 06/30/06 4:30 PM
EMSL Order: 010603434
EMSL Proj:
Report Date: 7/6/2006

Client Sample Description 6+55@100-6(Matteo) *Collected:* 6/30/2006 11:00:00 AM *Lab ID:* 0001

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	93	%	0.5	7/3/2006 03:45 PM	ssamayam
Lead, Total	6010B	Lead	15	mg/Kg	1.1	7/4/2006 03:36 PM	SMiller

Pb RLs = 115% and 642%

Client Sample Description 6+55@100-6(Duplicate) *Collected:* 6/30/2006 11:00:00 AM *Lab ID:* 0002

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	92	%	0.5	7/3/2006 03:45 PM	ssamayam
[illegible]d, Total	6010B	Lead	9.4	mg/Kg	1.0	7/4/2006 03:44 PM	SMiller

[illegible]s = 115% and 642%

Client Sample Description 6+55@89-SW(Matteo) *Collected:* 6/30/2006 11:00:00 AM *Lab ID:* 0003

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	94	%	0.5	7/3/2006 03:45 PM	ssamayam
Lead, Total	6010B	Lead	340	mg/Kg	1.0	7/4/2006 03:51 PM	SMiller

Pb RLs = 115% and 642%

Client Sample Description 6+55@89-SW(Duplicate) *Collected:* 6/30/2006 11:00:00 AM *Lab ID:* 0004

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	94	%	0.5	7/3/2006 03:45 PM	ssamayam
Lead, Total	6010B	Lead	290	mg/Kg	1.0	7/4/2006 03:59 PM	SMiller

Pb RLs = 115% and 642%

EMSL Analytical
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EMSL

Attn: **Scott Welsh**
Sierra Environmental Services, Inc.
PO Box 109
Marlton, NJ 08053

Fax: (856) 583-6004 Phone: (856) 988-9259

Customer ID: SENS62
Customer PO:
Received: 06/30/06 4:30 PM
EMSL Order: 010603434
EMSL Proj:
Report Date: 7/6/2006

Client Sample Description 6+60@125-SW(Matteo) *Collected:* 6/30/2006 11:00:00 AM *Lab ID:* 0005

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	90	%	0.5	7/3/2006 03:45 PM	ssamayam
Lead, Total	6010B	Lead	180	mg/Kg	1.0	7/4/2006 04:07 PM	SMiller

Pb RLs = 115% and 542%

Client Sample Description 6+60@125-SW(Duplicate) *Collected:* 6/30/2006 11:00:00 AM *Lab ID:* 0006

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	90	%	0.5	7/3/2006 03:45 PM	ssamayam
Lead, Total	6010B	Lead	200	mg/Kg	1.1	7/4/2006 04:14 PM	SMiller

Pb RLs = 115% and 642%

Client Sample Description 6+25@101-6(Matteo) *Collected:* 6/30/2006 11:00:00 AM *Lab ID:* 0007

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	95	%	0.5	7/3/2006 03:45 PM	ssamayam
Lead, Total	6010B	Lead	210	mg/Kg	1.0	7/4/2006 04:22 PM	SMiller

Pb RLs = 115% and 542%

Client Sample Description 6+25@101-6(Duplicate) *Collected:* 6/30/2006 11:00:00 AM *Lab ID:* 0008

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysts Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	95	%	0.5	7/3/2006 03:45 PM	ssamayam
Lead, Total	6010B	Lead	110	mg/Kg	1.0	7/4/2006 04:30 PM	SMiller

Pb RLs = 115% and 542%

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CHAIN OF CUSTODY

EMSL Analytical, Inc.
Chemistry Lab
3 Cooper St., Westmont, NJ 08108
TEL: (856) 858-4800 FAX: (856) 858-4571

Chain of Custody / Analysis Request Form

Print ALL Information. Put N/A in blanks not applicable

EMSL Project # 01060343 4
Account Rep: _____
Indicate State where samples collected: N.J.

REPORT RESULTS TO:
Name: Scott Welsh
Company: SIERRA Environmental
Address: PO Box 109
City: marlton
State: N.J. ZIP 08053
TEL: FAX (856) 583-6004
Sampled by: (Signature)

SEND INVOICE TO:
Name: PO#:
Company: Same
Address
City
State ZIP
TEL: FAX:
# of Samples in Shipment: 10

TURNAROUND TIME
Date Results needed by: _____
*Standard 6-10 days or 2 weeks ☐ *11-15 days or 3 weeks ☐
*16-21 days or 4 weeks ☐
The following turnaround times require lab approval:
☐ *4-5 days or 1week ☐ 72 Hrs ☒ 48 Hrs
☐ 24 Hrs Approved by _____
*same price and tat for weeks or days
Date of Sample Shipment: 6/30/06

Failure to complete shaded areas will hinder processing of samples

	Sample Number	Station Location /Sample ID	COMP	GRAB	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	Method Preserved: HCL	HNO3	H2SO4	ICE	OTHER	Sampling: DATE	TIME	List Test Needed: 6010 ICP
01	1. 6+55@100-6	Matteo		X		X							X		6/30	11:00 A	
02	2. 6+55@100-6	Duplicate		X		X							X				
03	3. 6+55@89-SW	Matteo * Spec Qc		X		X							X				
04	4. 6+55@89-SW	Duplicate		X		X							X				
05	5. 6+60@125-SW	Matteo		X		X							X				
06	6. 6+60@125-SW	Duplicate		X		X							X				
07	7. 6+25@101-6	Matteo		X		X							X				
08	8. 6+25@101-6	Duplicate		X		X							X				
09	9. 6+25@89-SW	Matteo		X		X							X				
10	10. 6+25@89-SW	Duplicate		X		X							X				

Released By Signature	Date & Time Released	Delivery Method	Received By Signature	Agency	Date & Time Received	Condition Noted
[signature]	6/30 2:45p		[signature]	EMSL	6-30-06 14:45	
[signature]	6-30-06 16:30		[signature]	EMSL	6/30/06 1630	4°C Bags Iced

Comments: 11 6+55@89-SW (ms)
12 6+55@89-SW (msd)

Please indicate reporting requirements: ☒ 1. Results Only ☒ 2. Results and QC ☐ 3. Reduced Deliverables ☐ 4. Disk Deliverable

0007

EMSL PROJECT No.: 010603434

Client Name: Sierra Eun (Optional)

SAMPLE ID No.(s) 01 -> -12
(List all alphabetic characters used on this project.)

Walk-In Refrigerator (Prep. Lab)

Check appropriate [ ] Shelf Location in Refrigerator: F-3

Check appropriate [ ] Auxiliary Storage Location - Not Refrigerator: (Samples Not Requiring Refrigeration)

(If custody is transferred to a person, add Signature and Printed Name.)

Sample Container Information: (Optional)

EMSL Internal Chain of Custody

Date	Analysis/Analyses Performed	Sample Number/Numbers Used	Initiator	Printed Name	Signature	Time (24Hr. Only) Transfer	Returned	Initials Rel.
login	Transfer to Wet Chemistry for Total Solids.			login	login			
Wet Chemistry	Receive & Return to Login Possession.			Wet Chemistry	Wet Chemistry			

Date	Analysis/Analyses Performed	Sample Number/Numbers Used	Initiator	Printed Name	Signature	Time (24Hr. Only) Sign Out	Returned	Initials Rel.
6/13	140	1-12		DH	DH	645	~~800~~	DH
6/13	TS	1-12		SSn	[illegible]	1400	1600	SN

a Y Sulfuric	b Y Sulfuric	c Y Sulfuric	d Y Sulfuric	e Y Sulfuric	f Y Sulfuric	g G NaOH	h G NaOH	i G NaOH	k G (Zn) NaOH / Zn Ac.	l G (Zn) NaOH / Zn Ac.	m G (Zn) NaOH / Zn Ac.	n R Nitric	o R Nitric	p R Nitric	q R Nitric	r R Nitric	s R Nitric	t
u UP Unpreserved	v UP Unpreserved	w UP Unpreserved	x UP Unpreserved	y UP Unpreserved	z UP Unpreserved	aa UP Unpreserved	ab UP Unpreserved	ac UP Unpreserved	ad UP Unpreserved	ae UP Unpreserved	af UP Unpreserved	ag UP Unpreserved	ah UP Unpreserved	ai UP Unpreserved	ak UP Unpreserved	al UP Unpreserved	am UP Unpreserved	an

(If custody is transferred to a person, add Signature and Printed Name of that person.)

Login Personnel Relinquishing samples to the Refrigerator: TO:

Printed Name: Kevin Sparks

Signature:

6/30/06 Time In:

Sample Disposal - Samples Removed by:

Printed Name: Kevin Sparks

Signature:

Date:

EMSL Preservations - "dot" color code:
Y = yellow=Sulfuric, G = green=NaOH, G(Zn)=NaOH + Zinc Acetate, R = red=HNO3, UP = Unpreserved.

0008

EMSL Analytical

Sample Receiving Form

Client: Sierra Env	
Project Number: 010603434	
Temperature Upon Receipt: 40	Shipment Method: Courier

	YES	NO	NA
Were custody seals on shipping containers intact? Check 'NA' if no seals, or if containers were hand delivered.			X
Were Chain of Custody Forms Included with the samples?	X		
Were Chain of Custody Forms filled out completely?	X		
Were all sample cohtainers received in good cohdition?	X		
Is there sufficient amount of sample for each test Indicated?	X		
Were the sample containers properiy preserved?			X
Was pH of the samples checked at the time of login?			X
Were any sample pHs adjusted at the time of login? Document on COC.			X
Were samples received within holding times?	X		
If the sample holding time was outside regulatory limits, was the client Informed? Date client contacted: _____ Initials: _____ Client comments: _____			X
Were air bubbles present In any of the VOA bottles?			X
Were samples in direct contact with Ice? X wet ____ blue			
Was the sample cooler temperature 4°C ± 2° upon receipt at the laboratory?	X		
If the temperature was outside regulatory limits, was the client informed? Date client contacted: _____ Initials: _____ Client comments: _____			X
Will samples be subcontracted to another lab? Subcontractor: _____ Date sent: _____ Analyses: _____			X
Sample Custodian: Ky Sparks			
Additional Comments:			

EMSL SM

CASE NARRATIVE

EMSL Analytical **Case Narrative**

Project Number 010603434

This report contains the analytical data for lead analyses of twelve soil samples. The samples were received by EMSL on June 30, 2006. The samples were analyzed in accordance with EPA SW-846 Method 6010B.

Sample Receipt
The sample cooler temperature was 4.0° upon receipt at the laboratory. The samples were received intact and in good condition.

Hold Times
All digestions and analyses were performed within the method specified hold time requirement. No major problems were encountered during the analyses of samples.

Metals
Calibrations: The ICV and CCV standards were within QC acceptance limits.
Blanks: Target analyte, lead, was not detected in the method blanks.
Interference Check Standard: The (ICS) recoveries were within control limits.
Matrix Spikes/Duplicates: The spike recoveries and RPD data fell within control limits.
LCS: The percent recoveries were within control limits.
Post Digestion Spikes: The recovery fell within control limits.
Serial Dilutions: The percent differences met method acceptance criteria.

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METHODOLOGY SUMMARY

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METHODOLOGY SUMMARY

Metals - Solid

This is a procedure used to determine metals concentrations in soils. The procedure involves an acidic digestion under oxidizing conditions using approximately one (0.5 to 1) gram of soil or solid material. Nitric and hydrochloric acids as well as hydrogen peroxide are employed in the digestion. Digestion may be by hotplate/beaker, Hotblock™ @95 °C or microwave methods. The digested sample is filtered and diluted to 50 ml. Preparation Methods are: SW-846 Methods 3050B or 3051.

The analysis is performed by Inductively Coupled Plasma (ICP), furnace atomic absorption (GFAA) or flame atomic absorption (FLAA). Reference methods are: ***SHW;*** 1) ICP - SW-846 3rd Edition, Method 6010B, 2) GFAA – Method 7421 (Pb), 3) FLAA – Method 7420 (Pb).

Total Solids, Percent

This is a gravimetric analytical method used to determine the solids content present in either solid or semi-solid matrices by removing the water content through oven drying. An aliquot of the sample is weighed into a tared dish and then dried at 103-105°C. The final dried weight is subtracted from the initial wet weight. The percent total solids present in the sample is calculated as the solids remaining after drying calculated as %. Reference method is EPA Method 160.3 or Standard Methods for the Examination of Water and Wastewater, 18th Edition, Methods 2540B or 2540G (SLU) and SW-846 Method 3540C Section 7.2.

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METHODOLOGY

All analyses are adapted from one or more of the following reference methods:

- "Guidelines Establishing Test Procedures for the Analysis of Pollutants", Code of Federal Regulations Vol. 40, Part 136.
- "Test Methods for Evaluating Solid Waste", SW846 3rd Edition, 1996.
- "Appendix II-Method 1311 Toxicity Characteristic Leaching Procedure (TCLP)". Code of Federal Regulations Vol. 40, Part 261.
- "Standard Methods for the Examination of Water and Wastewater", 18th and 19th edition.
- "Methods for the Chemical Analysis of Water and Wastes", EPA 600/4-79-020, 1983.
- "Annual Book of Standards, Section 11-Water", American Society for Testing and Materials (ASTM).
- "Methods for the Determination of Organic Compounds in Drinking Water", EPA 600R/95-131, 1995.
- "Official Methods of Analysis", Association of Official Analytical Chemists (AOAC), 15th Edition, 1990.
- NIOSH Manual of Analytical Methods, 4th Edition, 1994, DHHS Pub. No. 94-113.

DEFINITIONS OF ABBREVIATIONS

U:	Not Detected	B:	Compound found in method blank
E:	Estimated Concentration	ND:	Not Detected
NFL:	No Free Liquid	D:	Dilution
NR:	Not Requested	MDL:	Method detection limit
NA:	Not Applicable	MS/MSD:	Matrix Spike/Matrix Spike Duplicate
<:	Less than minimum detection limit	RPD:	Relative Percent Difference
NC:	Not calculable	RSD:	Relative Standard Deviation
LCS:	Laboratory Control Sample	ppb	Parts per billion = µg/Kg, µg/L
NTU:	Nephelometric Turbidity Units	ppm	Parts per million = mg/Kg, µg/g
J:	Compound detected below reportable detection limit	µmhos:	Conductivity units; resistance is expressed in ohms
°F:	degrees Fahrenheit	col/3:	Colonies per volume of sample
°C:	degrees Celcius	mg:	milligram (1000 mg = 1 g)
µg:	microgram (1000 µg = 1 mg)	ml:	milliliter (1000 ml = IL)
g:	gram (1000 g = 1 kg)	L	liter
µl:	microliter (1000 µl= 1 ml)	Kg:	Kilogram

COMMENTS: All soil samples are calculated on a dry weight basis except where noted.

EMSL SM

New Jersey Department of Environmental Protection
Division of Water Resources
Bureau of Underground Storage Tanks
CN-029, Trenton, New Jersey 08625

LABORATORY AUTHENTICATION STATEMENT

I certify under penalty of law, where applicable, this laboratory meets the Laboratory Performance Standards and Quality Control requirements specified in N.J.A.C. 7:18, 40 CFR Part 136 for Water and Wastewater Analyses and SW 846 for Solid Waste Analyses. I have personally examined and am familiar with the information contained in this report, and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, complete, and meets the standards specified in N.J.A.C. 7:18, 40 CFR Part 136, and/or SW 846. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment.

Laboratory Manager (as defined in N.J.A.C. 7:18)

Asbestos • Lead • Environmental • Materials & Indoor Air Analysis

EMSL ANALYTICAL, INC.

http://www.emsl.com

Corporate Office & Lab
107 Haddon Avenue
Westmont, NJ 08108
1-800-220-3675

ANALYTICAL DATA REPORT
FOR
SIERRA ENVIRONEMNTAL SERVICES, INC.
P.O. Box 109
Marlton, NJ 08053

PROJECT: Tier (Metals) QC MS/MDS

EMSL Project: 010603460

Field Sample No. & Location	Laboratory Sample ID	Matrix	Date & Time of Collection	Date Received
7+35@ 88-SW Matteo	010603460-0001	Soil	7/3/06 @ 1230	7/3/06
7+35@ 88-SW Dup	010603460-0002	Soil	7/3/06 @ 1230	7/3/06
7+35@ 115-SW Matteo	010603460-0003	Soil	7/3/06 @ 1230	7/3/06
7+35@ 115-SW Dup	010603460-0004	Soil	7/3/06 @ 1230	7/3/06
7+75@ 121-SW Matteo	010603460-0005	Soil	7/3/06 @ 1230	7/3/06
7+75@ 121-SW Dup	010603460-0006	Soil	7/3/06 @ 1230	7/3/06
7+75@ 100-6 Matteo	010603460-0007	Soil	7/3/06 @ 1230	7/3/06
7+75@ 100-6 Dup	010603460-0008	Soil	7/3/06 @ 1230	7/3/06
5+75@ 92-SW Matteo	010603460-0009	Soil	7/3/06 @ 1230	7/3/06
5+75@ 92-SW Dup	010603460-0010	Soil	7/3/06 @ 1230	7/3/06
5+75@ 114-SW Matteo	010603460-0011	Soil	7/3/06 @ 1230	7/3/06
5+35@ 114-SW Dup	010603460-0012	Soil	7/3/06 @ 1230	7/3/06
5+11@ 97-SW Matteo	010603460-0013	Soil	7/3/06 @ 1230	7/3/06
5+11@ 97-SW Dup	010603460-0014	Soil	7/3/06 @ 1230	7/3/06
7+75@ 121-SW MS/Matteo	010603460-0015	Soil	7/3/06 @ 1230	7/3/06
7+75@ 121-SW MSD/Dup	010603460-0016	Soil	7/3/06 @ 1230	7/3/06

Laboratory Name — EMSL ANALYTICAL, INC.

Certification No. — NJ-NELAP LAB: No. 04653

Laboratory Manager
or other approved signatory
Date

7/28/06

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SAMPLE DATA SUMMARY PACKAGE

EMSL Analytical
3 Cooper St., Westmont, NJ 08108
Phone: (856) 858-4800 Fax: (856) 858-4571 Email: jsmith@emsl.com

EMSL SM

Attn: **Scott Welsh**
Sierra Environmental Services, inc.
PO Box 109
Marlton, NJ 08053

Fax: (856) 583-6004 Phone: (856) 988-9259

Customer ID: SENS62
Customer PO:
Received: 07/03/06 3:01 PM
EMSL Order: 010603460
EMSL Proj:
Report Date: 7/6/2006

Client Sample Description 7+35@88-SW/Matteo Matteo — *Collected:* 7/3/2006 12:30:00 PM — *Lab ID:* 0001

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	90	%	0.5	7/3/2006 03:45 PM	ssamayam
Lead, Total	6010B	Lead	330	mg/Kg	1.1	7/6/2006 01:26 AM	SHansen

Client Sample Description 7+35@88-SW/Dupiicate Duplicate — *Collected:* 7/3/2006 12:30:00 PM — *Lab ID:* 0002

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	90	%	0.5	7/3/2006 03:45 PM	ssamayam
Lead, Total	6010B	Lead	300	mg/Kg	1.0	7/6/2006 02:27 AM	SHansen

Client Sample Description 7+35@115-SW/Matteo Matteo — *Collected:* 7/3/2006 12:30:00 PM — *Lab ID:* 0003

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	75	%	0.5	7/3/2006 03:45 PM	ssamayam
Lead, Total	6010B	Lead	2000	mg/Kg	1.3	7/6/2006 02:35 AM	SHansen

Client Sample Description 7+35@115-SW/Duplicate Duplicate — *Collected:* 7/3/2006 12:30:00 PM — *Lab ID:* 0004

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	81	%	0.5	7/3/2006 03:45 PM	ssamayam
Lead, Total	6010B	Lead	1800	mg/Kg	1.2	7/6/2006 02:42 AM	SHansen

Client Sample Description 7+75@121-SW/Matteo Matteo — *Collected:* 7/3/2006 12:30:00 PM — *Lab ID:* 0005

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	89	%	0.5	7/3/2006 03:45 PM	ssamayam
Lead, Total	6010B	Lead	490	mg/Kg	1.1	7/6/2006 02:50 AM	SHansen

EMSL Analytical
3 Cooper St., Westmont, NJ 08108
Phone: (856) 858-4800 Fax: (856) 858-4571 Email: jsmith@emsl.com

EMSL SM

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Sierra Environmental Services, Inc.
PO Box 109
Marlton, NJ 08053

Fax: (856) 583-6004 Phone: (856) 988-9259

Customer ID: SENS62
Customer PO:
Received: 07/03/06 3:01 PM
EMSL Order: 010603460
EMSL Proj:
Report Date: 7/6/2006

Client Sample Description 7+75@121-SW/Duplicate Duplicate *Collected:* 7/3/2006 12:30:00 PM *Lab ID:* 0006

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	92	%	0.5	7/3/2006 03:45 PM	ssamayam
Lead, Total	6010B	Lead	520	mg/Kg	1.0	7/6/2006 02:58 AM	SHansen

Client Sample Description 5+75@100-6/Matteo Matteo *Collected:* 7/3/2006 12:30:00 PM *Lab ID:* 0007

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	96	%	0.5	7/3/2006 03:45 PM	ssamayam
Lead, Total	6010B	Lead	110	mg/Kg	1.0	7/6/2006 03:05 AM	SHansen

Client Sample Description 5+75@100-6/Duplicate Duplicate *Collected:* 7/3/2006 12:30:00 PM *Lab ID:* 0008

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	96	%	0.5	7/3/2006 03:45 PM	ssamayam
Lead, Total	6010B	Lead	130	mg/Kg	1.0	7/6/2006 03:13 AM	SHansen

Client Sample Description 5+75@92-SW/Matteo Matteo *Collected:* 7/3/2006 12:30:00 PM *Lab ID:* 0009

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	96	%	0.5	7/3/2006 03:45 PM	ssamayam
Lead, Total	6010B	Lead	280	mg/Kg	0.96	7/6/2006 03:20 AM	SHansen

Client Sample Description 5+75@92-SW/Duplicate Duplicate *Collected:* 7/3/2006 12:30:00 PM *Lab ID:* 0010

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	96	%	0.5	7/3/2006 03:45 PM	ssamayam
Lead, Total	6010B	Lead	230	mg/Kg	1.0	7/6/2006 03:28 AM	SHansen

EMSL Analytical
3 Cooper St., Westmont, NJ 08108
Phone: (856) 858-4800 Fax: (856) 858-4571 Email: jsmith@emsl.com

Attn: **Scott Welsh**
Sierra Environmental Services, Inc.
PO Box 109
Marlton, NJ 08053
Fax: (856) 583-6004 Phone: (856) 988-9259

Customer ID: SENS62
Customer PO:
Received: 07/03/06 3:01 PM
EMSL Order: 010603460
EMSL Proj:
Report Date: 7/6/2006

Client Sample Description 5+75@114-SW/Matteo Matteo — *Collected:* 7/3/2006 12:30:00 PM — *Lab ID:* 0011

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	93	%	0.5	7/3/2006 03:45 PM	ssamayam
Lead, Total	6010B	Lead	160	mg/Kg	1.0	7/6/2006 03:51 AM	SHansen

Client Sample Description 5+75@114-SW/Duplicate Duplicate — *Collected:* 7/3/2006 12:30:00 PM — *Lab ID:* 0012

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	93	%	0.5	7/3/2006 03:45 PM	ssamayam
Lead, Total	6010B	Lead	43	mg/Kg	1.0	7/6/2006 03:59 AM	SHansen

Client Sample Description 5+11@97-SW/Matteo Matteo — *Collected:* 7/3/2006 12:30:00 PM — *Lab ID:* 0013

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	94	%	0.5	7/3/2006 03:45 PM	ssamayam
Lead, Total	6010B	Lead	450	mg/Kg	1.0	7/6/2006 04:06 AM	SHansen

Client Sample Description 5+11@97-SW/Duplicate Duplicate — *Collected:* 7/3/2006 12:30:00 PM — *Lab ID:* 0014

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	94	%	0.5	7/3/2006 03:45 PM	ssamayam
Lead, Total	6010B	Lead	440	mg/Kg	1.0	7/6/2006 04:14 AM	SHansen

Client Sample Description 7+75@121-SW/MS Matteo — *Collected:* 7/3/2006 12:30:00 PM — *Lab ID:* 0015

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	91	%	0.5	7/3/2006 03:45 PM	ssamayam
Lead, Total	6010B	Lead	350	mg/Kg	1.0	7/6/2006 04:22 AM	SHansen

EMSL Analytical
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EMSL SM

Attn: **Scott Welsh**
Sierra Environmental Services, Inc.
PO Box 109
Marlton, NJ 08053

Fax: (856) 583-6004 Phone: (856) 988-9259

Customer ID: SENS62
Customer PO:
Received: 07/03/06 3:01 PM
EMSL Order: 010603460
EMSL Proj:
Report Date: 7/6/2006

Client Sample Description 7+75@121-SW/MSD Matteo *Collected:* 7/3/2006 12:30:00 PM *Lab ID:* 0016

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	90	%	0.5	7/3/2006 03:45 PM	ssamayam
Lead, Total	6010B	Lead	450	mg/Kg	1.0	7/6/2006 04:29 AM	SHansen

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CHAIN OF CUSTODY

(Pg 1 of 2)

EMSL Analytical, Inc.
Chemistry Lab
3 Cooper St., Westmont, NJ 08108
TEL: (856) 858-4800 FAX: (856) 858-4571

Chain of Custody / Analysis Request Form

Print ALL Information. Put N/A in blanks not applicable

EMSL Project # 01060.60
Account Rep: _____
Indicate State where samples collected: N.J.

REPORT RESULTS TO:	SEND INVOICE TO:	TURNAROUND TIME
Name: Scott welsh	Name: PO#:	Date Results needed by:
Company: Sierra Environmental	Company Same	*Standard 6-10 days or 2 weeks ☐ *11-15 days or 3 weeks ☐ *16-21 days or 4 weeks ☐
Address PO Box 109	Address	The following turnaround times require lab approval:
City Marlton	City	☐ *4-5 days or 1week ☐ 72 Hrs ☒ 48 Hrs
State N.J. ZIP 08053	State ZIP	☐ 24 Hrs Approved by
TEL: FAX (856) 583-6004	TEL: FAX:	*same price and tat for weelts or days
Sampled by: (Signature)	# of Samples in Shipment: 10	Date of Sample Shipment: 7/3/06

Failure to complete shaded areas will hinder processing of samples.

	Sample Number	Station Location /Sample ID	COMP	GRAB	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	Method Preserved: HCL	HNO3	H2SO4	ICE	OTHER	Sampling: DATE	TIME	List Test Needed: 6010 KD						
-01	1.	7+35@88-SW		X		X							X		7/3	12:30 p							
-02	2.	7+35@88-SW		X		X							X										
-03	3.	7+35@115-SW		X		X							X										
-04	4.	7+35@115-SW		X		X							X										
-05	5.	7+75@121-SW		X		X							X										
-06	6.	7+75@121-SW		X		X							X										
-07	7.	5+75@100-6		X		X							X										
-08	8.	5+75@100-6		X		X							X										
-09	9.	5+75@92-SW		X		X							X										
-10	10.	5+75@92-SW		X		X							X										

Released By Signature	Date & Time Released	Delivery Method	Received By Signature	Agency	Date & Time Received	Condition Noted
	7/3/06 3:00 p		D Kauffman	EMSL	7/3/06 15:01	12°C=6 ice

Comments:

Please indicate reporting requirements: ☐ 1. Results Only ☐ 2. Results and QC ☐ 3. Reduced Deliverables ☐ 4. Disk Deliverable

6000

EMSL Analytical, Inc.
Chemistry Lab
3 Cooper St., Westmont, NJ 08108
TEL: (856) 858-4800 FAX: (856) 858-4571

Chain of Custody / Analysis Request Form

Print ALL Information. Put N/A in blanks not applicable

EMSL Project # 010603460
Account Rep:
Indicate State where samples collected: N.J.

REPORT RESULTS TO:	SEND INVOICE TO:	TURNAROUND TIME
Name: Scott Welsh	Name: PO#:	Date Results needed by:
Company: SIERRA Env.	Company Same	*Standard 6-10 days or 2 weeks ☐ *11-15 days or 3 weeks ☐ *16-21 days or 4 weeks ☐
Address PO Box 109	Address	The following turnaround times require lab approval:
City Marlton	City	☐ *4-5 days or 1week ☐ 72 Hrs ☒ 48 Hrs
State N.J. ZIP 08053	State ZIP	☐ 24 Hrs Approved by
TEL: FAX (856) 583-6004	TEL: FAX:	*same price and tat for weelts or days
Sampled by: ~~(Signature)~~	# of Samples in Shipment: 4	Date of Sample Shipment: 7/3/06

Failure to complete shaded areas will hinder processing of samples.

	Sample Number	Station Location /Sample ID	COMP	GRAB	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	Method Preserved: HCL	HNO3	H2SO4	ICE	OTHER	Sampling: DATE	TIME	List Test Needed: 8260 ICP						
-11	1. 5+75@114-SW	matteo		X		X							X		7/3	12:00p							
-12	2. 5+75@114-SW	Duplicate		X		X							X										
-13	3. 5+11@97-SW	matteo		X		X							X										
-14	4. 5+11@97-SW	Duplicate		X		X							X										
-15	5. 7+75@121-SW ms/Matteo																						
-16	6. 7+75@121-SW msb/Matteo																						
	7.																						
	8.																						
	9.																						
	10.																						

Released By Signature	Date & Time Released	Delivery Method	Received By Signature	Agency	Date & Time Received	Condition Noted
	7/3/06 3:00p		D Kauffman	EMSL	7/3/06 15:01	12°C = 6 ice

Comments:

Please indicate reporting requirements: ☐ 1. Results Only ☐ 2. Results and QC ☐ 3. Reduced Deliverables ☐ 4. Disk Deliverable

0010

EMSL Analytical

Sample Receiving Form

Client: Sierra Enn	
Project Number: 010603460	
Temperature Upon Receipt: 12°	Shipment Method: Drop off

	YES	NO	NA
Were custody seals on shipping containers intact? Check 'NA' if no seals, or if containers were hand delivered.			X
Were Chain of Custody Forms included with the samples?	X		
Were Chain of Custody Forms filled out completely?	X		
Were all sample containers received in good condition?	X		
Is there sufficient amount of sample for each test indicated?	X		
Were the sample containers properly preserved?			X
Was pH of the samples checked at the time of login?			X
Were any sample pHs adjusted at the time of login? Document on COC.			X
Were samples received within holding times?	X		
If the sample holding time was outside regulatory limits, was the client informed? Date client contacted: _____ Initials: _____ Client comments: _____			X
Were air bubbles present in any of the VOA bottles?			X
Were samples in direct contact with ice? X wet ____ blue			
Was the sample cooler temperature 4°C ± 2° upon receipt at the laboratory?		X	
If the temperature was outside regulatory limits, was the client informed? Date client contacted: 7/3/06 Initials: JS Client comments: Run samples anyway Scott Welsh			
Will samples be subcontracted to another lab? Subcontractor: _____ Date sent: _____ Analyses: _____			X
Sample Custodian: K. Sparks			
Additional Comments:			

EMSL PROJECT No.: 01060346.0

Client Name: Scons
(Optional)

SAMPLE ID No.(s) -01 → -06
(List all alphabetic charactors usad on this project.)

Walk- In Refrigerator (Prep. Lab)

Shelf Location In Refrigerator: Check appropriate [ ] F-3

Auxiliary Storage Location - Not Refrigerator: Check appropriate [ ]
(Samples Not Requiring Refrigeration)
(If custody is transferred to a person, add Signature and Printed Name.)

Sample Container information:
(Optional)

EMSL Internal Chain of Custody

Date	Analysis/Analyses Performed	Sample Number/Numbers Used	letter	Printed Name	Signature	Time (24Hr Only) Transfer	Returned	Initials Returned
login	Transfer to Wet Chemistry for Total Solids.			login	login			
Wet Chemistry	Receive & Return to Login Possession.			Wet Chemistry	Wet Chemistry			

Date	Analysis/Analyses Performed	Sample Number/Numbers Used	letter	Printed Name	Signaiure	Time (24Hr. Only) Sign Oui	Returned	Initials Returned
7/3	TS	1-16		SSU	[illegible]	1030	1640	SOL
7/5	ICP	1-16		DH	[illegible]	630	740	[illegible]

a Y Sulfuric	b Y Sulfuric	c Y Sulfuric	d Y Sulfuric	e Y Sulfuric	f Y Sulfuric	g G NaOH	h G NaOH	j G NaOH	k G (Zn) NaOH / Zn Ac.	l G (Zn) NaOH / Zn Ac.	m G (Zn) NaOH / Zn Ac.	n R Nitric	o R Nitric	p R Nitric	q R Nitric	r R Nitric	s R Nitric	t R Nitric
u UP Unpreserved	v UP Unpreserved	w UP Unpreserved	x UP Unpreserved	y UP Unpreserved	z UP Unpreserved	aa UP Unpreserved	ab UP Unpreserved	ac UP Unpreserved	ad UP Unpreserved	ae UP Unpreserved	af UP Unpreserved	ag UP Unpreserved	ah UP Unpreserved	aj UP Unpreserved	ak UP Unpreserved	al UP Unpreserved	am UP Unpreserved	an UP Unpreserved

(If custody is transferred to a person, add Signature and Printed Name of that person.)

Login Personnel Relinquishing samples to the Refrigerator: TO:

Printed Name: Kevin Sparks

Signature: [signature]

Date In: 7-3-06 Time In:

Sample Disposal - Samples Removed by:

Printed Name: Kevin Sparks

Signature:

Date:

EMSL Preservations - "dot" color code:
Y = yellow=Sulfuric, G = green=NaOH, G(Zn)=NaOH + Zinc Acetate, R = red=HNO3, UP = Unpreserved.

internal chain new 2001 walkin.XLS

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CASE NARRATIVE

Project Number 010603460

This report contains the analytical data for lead analyses of sixteen soil samples. The samples were received by EMSL on July 3, 2006. The samples were analyzed in accordance with EPA SW-846 Method 6010B.

Sample Receipt
The sample cooler temperature was 12.0° upon receipt at the laboratory. The samples were received intact and in good condition.

Hold Times
All digestions and analyses were performed within the method specified hold time requirement. No major problems were encountered during the analyses of samples.

Metals
Calibrations: The ICV and CCV standards were within QC acceptance limits.
Blanks: Target analyte, lead, was not detected in the method blanks.
Interference Check Standard: The (ICS) recoveries were within control limits.
Matrix Spikes/Duplicates: The spike recoveries and RPD result fell outside control limits.
LCS: The percent recoveries were within control limits.
Post Digestion Spikes: The recovery fell within control limits.
Serial Dilutions: The percent differences met method acceptance criteria.

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METHODOLOGY SUMMARY

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METHODOLOGY SUMMARY

Metals - Solid

This is a procedure used to determine metals concentrations in soils. The procedure involves an acidic digestion under oxidizing conditions using approximately one (0.5 to 1) gram of soil or solid material. Nitric and hydrochloric acids as well as hydrogen peroxide are employed in the digestion. Digestion may be by hotplate/beaker, Hotblock™ @95 °C or microwave methods. The digested sample is filtered and diluted to 50 ml. Preparation Methods are: SW-846 Methods 3050B or 3051.

The analysis is performed by Inductively Coupled Plasma (ICP), furnace atomic absorption (GFAA) or flame atomic absorption (FLAA). Reference methods are: ***SHW;*** 1) ICP - SW-846 3rd Edition, Method 6010B, 2) GFAA – Method 7421 (Pb), 3) FLAA – Method 7420 (Pb).

Total Solids, Percent

This is a gravimetric analytical method used to determine the solids content present in either solid or semi-solid matrices by removing the water content through oven drying. An aliquot of the sample is weighed into a tared dish and then dried at 103-105°C. The final dried weight is subtracted from the initial wet weight. The percent total solids present in the sample is calculated as the solids remaining after drying calculated as %. Reference method is EPA Method 160.3 or Standard Methods for the Examination of Water and Wastewater, 18th Edition, Methods 2540B or 2540G (SLU) and SW-846 Method 3540C Section 7.2.

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METHODOLOGY

All analyses are adapted from one or more of the following reference methods:

- "Guidelines Establishing Test Procedures for the Analysis of Pollutants", Code of Federal Regulations Vol. 40, Part 136.
- "Test Methods for Evaluating Solid Waste", SW846 3rd Edition, 1996.
- "Appendix II-Method 1311 Toxicity Characteristic Leaching Procedure (TCLP)". Code of Federal Regulations Vol. 40, Part 261.
- "Standard Methods for the Examination of Water and Wastewater", 18th and 19th edition.
- "Methods for the Chemical Analysis of Water and Wastes", EPA 600/4-79-020, 1983.
- "Annual Book of Standards, Section 11-Water", American Society for Testing and Materials (ASTM).
- "Methods for the Determination of Organic Compounds in Drinking Water", EPA 600R/95-131, 1995.
- "Official Methods of Analysis", Association of Official Analytical Chemists (AOAC), 15th Edition, 1990.
- NIOSH Manual of Analytical Methods, 4th Edition, 1994, DHHS Pub. No. 94-113.

DEFENITIONS OF ABBREVIATIONS

U:	Not Detected	B:	Compound found in method blank
E:	Estimated Concentration	ND:	Not Detected
NFL:	No Free Liquid	D:	Dilution
NR:	Not Requested	MDL:	Method detection limit
NA:	Not Applicable	MS/MSD:	Matrix Spike/Matrix Spike Duplicate
<:	Less than minimum detection limit	RPD:	Relative Percent Difference
NC:	Not calculable	RSD:	Relative Standard Deviation
LCS:	Laboratory Control Sample	ppb	Parts per billion = pg/Kg, µg/L
NTU:	Nephelometric Turbidity Units	ppm	Parts per million = mg/Kg, µg/g
J:	Compound detected below reportable detection limit	µmhos:	Conductivity units; resistance is expressed in ohms
°F:	degrees Fahrenheit	col/3:	Colonies per volume of sample
°C:	degrees Celcius	mg:	milligram (1000 mg = 1 g)
µg:	microgram (1000 pg = 1 mg)	ml:	milliliter (1000 ml = IL)
g:	gram (1000 g = 1 kg)	L	liter
pl:	microliter (1000 µl= 1 ml)	Kg:	Kilogram

COMMENTS: All soil samples are calculated on a dry weight basis except where noted.

EMSL SM

New Jersey Department of Environmental Protection
Division of Water Resources
Bureau of Underground Storage Tanks
CN-029, Trenton, New Jersey 08625

LABORATORY AUTHENTICATION STATEMENT

I certify under penalty of law, where applicable, this laboratory meets the Laboratory Performance Standards and Quality Control requirements specified in N.J.A.C. 7:18, 40 CFR Part 136 for Water and Wastewater Analyses and SW 846 for Solid Waste Analyses. I have personally examined and am familiar with the information contained in this report, and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, complete, and meets the standards specified in N.J.A.C. 7:18, 40 CFR Part 136, and/or SW 846. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment.

Laboratory Manager (as defined in N.J.A.C. 7:18)

Asbestos • Lead • Environmental • Materials & Indoor Air Analysis

EMSL ANALYTICAL, INC.

http://www.emsl.com

Corporate Office & Lab
107 Haddon Avenue
Westmont, NJ 08108
1-800-220-3675

ANALYTICAL DATA REPORT
FOR
SIERRA ENVIRONEMNTAL SERVICES, INC.
P.O. Box 109
Marlton, NJ 08053

PROJECT: Matteo

EMSL Project: 010603505

Field Sample No. & Location	Laboratory Sample ID	Mat	Date & Time of Collection	Date Received
7+94@83-SW Matteo	010603505-0001	Soil	7/5/06 @ 1230	7/6/06
7+94@83-SW Duplicate	010603505-0002	Soil	7/5/06 @ 1230	7/6/06
8+15@87-6 Matteo	010603505-0003	Soil	7/5/06 @ 1230	7/6/06
8+15@87-6 Duplicate	010603505-0004	Soil	7/5/06 @ 1230	7/6/06
8+36@87-SW Matteo	010603505-0005	Soil	7/5/06 @ 1230	7/6/06
8+36@87-SW Duplicate	010603505-0006	Soil	7/5/06 @ 1230	7/6/06

Laboratory Name — EMSL ANALYTICAL, INC.

Certification No. — NJ-NELAP LAB: No. 04653

Laboratory Manager
or other approved signatory
Date — 7/27/06

EMSL SM

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SAMPLE DATA SUMMARY PACKAGE

EMSL Analytical
3 Cooper St., Westmont, NJ 08108
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EMSL SM

Attn: **Scott Welsh**
Sierra Environmental Services, Inc.
PO Box 109
Marlton, NJ 08053

Fax: (856) 583-6004 Phone: (856) 988-9259

Customer ID: SENS62
Customer PO:
Received: 07/06/06 1:45 PM
EMSL Order: 010603505
EMSL Proj: Matteo
Report Date: 7/10/2006

Client Sample Description 7+94@83-SW Matteo *Collected:* 7/5/2006 12:30:00 PM *Lab ID:* 0001

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	88	%	0.5	7/6/2006 05:15 PM	ssamayam
Lead, Total	6010B	Lead	140	mg/Kg	1.1	7/8/2006 10:44 AM	RFerrer

Pb RLs = 120% and 320%

Client Sample Description 7+94@83-SW Duplicate *Collected:* 7/5/2006 12:30:00 PM *Lab ID:* 0002

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	91	%	0.5	7/6/2006 05:15 PM	ssamayam
Lead, Total	6010B	Lead	310	mg/Kg	1.1	7/8/2006 10:36 AM	RFerrer

Pb RLs = 120% and 320%

Client Sample Description 8+15@87-6 Matteo *Collected:* 7/5/2006 12:30:00 PM *Lab ID:* 0003

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	93	%	0.5	7/6/2006 05:15 PM	ssamayam
Lead, Total	6010B	Lead	5.2	mg/Kg	1.1	7/8/2006 09:35 AM	RFerrer

Pb RLs = 120% and 320%

Client Sample Description 8+15@87-6 Duplicate *Collected:* 7/5/2006 12:30:00 PM *Lab ID:* 0004

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	93	%	0.5	7/6/2006 05:15 PM	ssamayam
Lead, Total	6010B	Lead	5.7	mg/Kg	1.0	7/8/2006 10:52 AM	RFerrer

Pb RLs = 120% and 320%

EMSL Analytical
3 Cooper St., Westmont, NJ 03108
Phone: (856) 858-4800 Fax: (856) 858-4571 Email: jsmith@emsl.com

EMSL SM

Attn: **Scott Welsh**
Sierra Environmental Services, Inc.
PO Box 109
Mariton, NJ 08053

Fax: (856) 583-6004 Phone: (856) 988-9259

Customer ID: SENS62
Customer PO:
Received: 07/06/06 1:45 PM
EMSL Order: 010603505
EMSL Proj: Matteo
Report Date: 7/10/2006

Client Sample Description 8+36@87-SW Matteo *Collected:* 7/5/2006 12:30:00 PM *Lab ID:* 0005

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	98	%	0.5	7/6/2006 05:15 PM	ssamayam
Lead, Total	6010B	Lead	74	mg/Kg	1.0	7/8/2006 10:59 AM	RFerrer

Pb RLs = 120% and 320%

Client Sample Description 8+36@87-SW Duplicate *Collected:* 7/5/2006 12:30:00 PM *Lab ID:* 0006

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	98	%	0.5	7/6/2006 05:15 PM	ssamayam
Lead, Total	6010B	Lead	91	mg/Kg	1.1	7/8/2006 11:07 AM	RFerrer

Pb RLs = 120% and 320%

EMSL SM

CHAIN OF CUSTODY

01060 35[illegible]5

...Lab
...per St., Westmont, NJ 08108
TEL: (856) 858-4800 FAX: (856) 858-4571

Chain of Custody / Analysis Request Form

Print ALL Information. Put N/A in blanks not applicable

EMSL Project #
Account Rep:
Indicate State where samples collected: N.J.

REPORT RESULTS TO:	SEND INVOICE TO:	TURNAROUND TIME
Name: Scott Welsh	Name: PO#:	Date Results needed by:
Company: SIERRA Environmental	Company Same	*Standard 6-10 days or 2 weeks ☐ *11-15 days or 3 weeks ☐ *16-21 days or 4 weeks ☐
Address PO Box 109	Address	The following turnaround times require lab approval:
City Marlton	City	☐ *4-5 days or 1 week ☐ 72 Hrs ☒ 48 Hrs
State N.J. ZIP 08053	State ZIP	☐ 24 Hrs Approved by
TEL: FAX (856) 583-6004	TEL: FAX:	*same price and tat for weeks or days
Sampled by: (Signature)	# of Samples in Shipment: 6	Date of Sample Shipment: 7/5/06

Failure to complete shaded areas will hinder processing of samples.

	Sample Number	Station Location /Sample ID	COMP	GRAB	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	Method Preserved: HCL	HNO3	H2SO4	ICE	OTHER	Sampling: DATE	TIME	List Test Needed: 6010 icp						
-01	1.	7+94@83-SW	matteo		X		X						X		7/5	13:30							
-02	2.	7+94@83-SW	Duplicate		X		X						X		↓	↓							
-03	3.	8+15@87-6	matteo		X		X						X										
-04	4.	8+15@87-6	Duplicate		X		X						X										
-05	5.	8+36@87-SW	matteo		X		X						X										
-06	6.	8+36@87-SW	Duplicate		X		X						X										
	7.																						
	8.																						
	9.																						
	10.																						

Released By Signature	Date & Time Released	Delivery Method	Received By Signature	Agency	Date & Time Received	Condition Noted
[signature]	7/6/06 1:45 p		[signature]	EMSL	7/6/06 1345	5°=G
						loose Ice

Comments:

Please indicate reporting requirements: ☐ 1. Results Only ☐ 2. Results and QC ☐ 3. Reduced Deliverables ☐ 4. Disk Deliverable

0007

EMSL PROJECT No.: 010603505

Client Name: Sierra (Optional)

SAMPLE ID No.(s) 1-6
(List all alphabetic characters used on this project)

Walk- In Refrigerator (Prep. Lab)

Check appropriate ☐ Shelf Location in Refrigerator: F-2

Check appropriate ☐ Auxiliary Storage Location - Not Refrigerator: (Samples Not Requiring Refrigeration)

(If custody is transferred to a person, add Signature and Printed Name.)

Sample Container Information: (Optional)

EMSL Internal Chain of Custody

Date	Analysis/Analyses Performed	Sample Number/Numbers Used	letter	Printed Name	Signature	Time (24Hr. Only) Transfer	Returned	Initials Returned
login	Transfer to Wet Chemistry for Total Solids.			login	login			
Wet Chemistry	Receive & Return to Login Possession.			Wet Chemistry	Wet Chemistry			

Date	Analysis/Analyses Performed	Sample Number/Numbers Used	letter	Printed Name	Signature	Time (24Hr. Only) Sign Out	Returned	Initials Returned
7/7	ICP	1-6		DK	[illegible]	720	825	[illegible]
	QC-Check (-4:-6 switched labels corrected 7/10)	-4:-6		AK	Amy K[illegible]	1130	1135	AK

a Y Sulfuric	b Y Sulfuric	c Y Sulfuric	d Y Sulfuric	e Y Sulfuric	f Y Sulfuric	g G NaOH	h G NaOH	j G NaOH	k G (Zn) NaOH / Zn Ac.	l G (Zn) NaOH / Zn Ac.	m G (Zn) NaOH / Zn Ac.	n R Nitric	o R Nitric	p R Nitric	q R Nitric	r R Nitric	s R Nitric	t R Nitric
u UP Unpreserved	v UP Unpreserved	w UP Unpreserved	x UP Unpreserved	y UP Unpreserved	z UP Unpreserved	aa UP Unpreserved	ab UP Unpreserved	ac UP Unpreserved	ad UP Unpreserved	ae UP Unpreserved	af UP Unpreserved	ag UP Unpreserved	ah UP Unpreserved	aj UP Unpreserved	ak UP Unpreserved	al UP Unpreserved	am UP Unpreserved	an UP Unpreserved

(If custody is transferred to a person, add Signature and Printed Name of that person)

Login Personnel Relinquishing samples to the Refrigerator: To:

Printed Name: Kevin Sparks Anthony Falasca

Signature:

Date In: 7/6/06 Time In:

Sample Disposal - Samples Removed by:

Printed Name: Kevin Sparks Anthony Falasca

Signature:

Date:

EMSL Preservations - "dot" color code:
Y = yellow=Sulfuric, O = green=NaOH, G(Zn)=NaOH + Zinc Acetate, R = red=HNO3, UP = Unpreserved.

internal chain new 2001 walkin.xLS

008000

EMSL SM

CASE NARRATIVE

EMSL Analytical **Case Narrative**

Project Number 010603505

This report contains the anaiyticai data for iead analyses of six soil samples. The samples were received by EMSL on July 6, 2006, and analyzed in accordance with EPA SW-846 Method 6010B.

Sample Receipt
The cooler temperature was 5.0°C upon receipt at the laboratory. The samples were received intact and in good condition.

Hold Times
All digestions and analyses were performed within the method specified hold time requirement. No major problems were encountered during the analyses of samples.

Metals
Calibrations: The ICV and CCV standards were within QC acceptance limits.
Blanks: Target analyte, lead, was not detected in the method blanks.
Interference Check Standard: The (ICS) recoveries were within control limits.
Matrix Spikes/Duplicates: The spike recoveries were within control limits. The RPD result for lead fell outside control limits.
LCS: The percent recoveries were within control limits.
Post Digestion Spikes: The recoveries were within control limits.
Serial Dilutions: The percent differences met method acceptance criteria.

EMSL

METHODOLOGY SUMMARY

EMSL SM

METHODOLOGY SUMMARY

Metals - Solid

This is a procedure used to determine metals concentrations in soils. The procedure involves an acidic digestion under oxidizing conditions using approximately one (0.5 to 1) gram of soil or solid material. Nitric and hydrochloric acids as well as hydrogen peroxide are employed in the digestion. Digestion may be by hotplate/beaker, Hotblock™ @95 °C or microwave methods. The digested sample is filtered and diluted to 50 ml. Preparation Methods are: SW-846 Methods 3050B or 3051.

The analysis is performed by Inductively Coupled Plasma (ICP), furnace atomic absorption (GFAA) or flame atomic absorption (FLAA). Reference methods are: ***SHW;*** 1) ICP - SW-846 3rd Edition, Method 6010B, 2) GFAA – Method 7421 (Pb), 3) FLAA – Method 7420 (Pb).

Total Solids, Percent

This is a gravimetric analytical method used to determine the solids content present in either solid or semi-solid matrices by removing the water content through oven drying. An aliquot of the sample is weighed into a tared dish and then dried at 103-105°C. The final dried weight is subtracted from the initial wet weight. The percent total solids present in the sample is calculated as the solids remaining after drying calculated as %. Reference method is EPA Method 160.3 or Standard Methods for the Examination of Water and Wastewater, 18th Edition, Methods 2540B or 2540G (SLU) and SW-846 Method 3540C Section 7.2.

EMSL SM

METHODOLOGY

All analyses are adapted from one or more of the following reference methods:

- "Guidelines Establishing Test Procedures for the Analysis of Pollutants", Code of Federal Regulations Vol. 40, Part 136.
- "Test Methods for Evaluating Solid Waste", SW846 3rd Edition, 1996.
- "Appendix II-Method 1311 Toxicity Characteristic Leaching Procedure (TCLP)". Code of Federal Regulations Vol. 40, Part 261.
- "Standard Methods for the Examination of Water and Wastewater", 18th and 19th edition.
- "Methods for the Chemical Analysis of Water and Wastes", EPA 600/4-79-020, 1983.
- "Annual Book of Standards, Section 11-Water", American Society for Testing and Materials (ASTM).
- "Methods for the Determination of Organic Compounds in Drinking Water", EPA 600R/95-131, 1995.
- "Official Methods of Analysis", Association of Official Analytical Chemists (AOAC), 15th Edition, 1990.
- NIOSH Manual of Analytical Methods, 4th Edition, 1994, DHHS Pub. No. 94-113.

DEFINITIONS OF ABBREVIATIONS

U:	Not Detected	**B:**	Compound found in method blank
E:	Estimated Concentration	**ND:**	Not Detected
NFL:	No Free Liquid	**D:**	Dilution
NR:	Not Requested	**MDL:**	Method detection limit
NA:	Not Applicable	**MS/MSD:**	Matrix Spike/Matrix Spike Duplicate
<:	Less than minimum detection limit	**RPD:**	Relative Percent Difference
NC:	Not calculable	**RSD:**	Relative Standard Deviation
LCS:	Laboratory Control Sample	ppb	Parts per billion = µg/Kg, µg/L
NTU:	Nephelometric Turbidity Units	ppm	Parts per million = mg/Kg, pg/g
J:	Compound detected below reportable detection limit	µmhos:	Conductivity units; resistance is expressed in ohms
°F:	degrees Fahrenheit	col/3:	Colonies per volume of sample
°C:	degrees Celcius	mg:	milligram (1000 mg = 1 g)
µg:	microgram (1000 µg = 1 mg)	ml:	milliliter (1000 ml = IL)
g:	gram (1000 g = 1 kg)	**L**	liter
µl:	microliter (1000 µl= 1 ml)	**Kg:**	Kilogram

COMMENTS: All soil samples are calculated on a dry weight basis except where noted.

EMSL

New Jersey Department of Environmental Protection
Division of Water Resources
Bureau of Underground Storage Tanks
CN-029, Trenton, New Jersey 08625

LABORATORY AUTHENTICATION STATEMENT

I certify under penalty of law, where applicable, this laboratory meets the Laboratory Performance Standards and Quality Control requirements specified in N.J.A.C. 7:18, 40 CFR Part 136 for Water and Wastewater Analyses and SW 846 for Solid Waste Analyses. I have personally examined and am familiar with the information contained in this report, and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, complete, and meets the standards specified in N.J.A.C. 7:18, 40 CFR Part 136, and/or SW 846. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment.

Laboratory Manager (as defined in N.J.A.C. 7:18)

Asbestos • Lead • Environmental • Materials & Indoor Air Analysis

EMSL ANALYTICAL, INC.

http://www.emsl.com

Corporate Office & Lab
107 Haddon Avenue
Westmont, NJ 08108
1-800-220-3675

ANALYTICAL DATA REPORT
FOR
SIERRA ENVIRONEMNTAL SERVICES, INC.
P.O. Box 109
Marlton, NJ 08053

PROJECT: Tier Metals (MS/MDS) Sample-3

EMSL Project: 010603572

Field Sample No. & Location	Laboratory Sample ID	Matrix	Date & Time of Collection	Date Received
D-13 East	010603572-0001	Soil	- @ -	7/10/06
D-13 East DUP	010603572-0002	Soil	- @ -	7/10/06
7+15@100	010603572-0003	Soil	- @ -	7/10/06
7+15@100 DUP	010603572-0004	Soil	- @ -	7/10/06
7+15@100 MS	010603572-0005	Soil	- @ -	7/10/06
7+15@100 MSD	010603572-0006	Soil	- @ -	7/10/06

Laboratory Name — EMSL ANALYTICAL, INC.

Certification No. — NJ-NELAP LAB: No. 04653

Laboratory Manager
or other approved signatory
Date — 8/7/06

EMSL SM

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SAMPLE DATA SUMMARY PACKAGE

EMSL Analytical
3 Cooper St., Westmont, NJ 08108
Phone: (856) 858-4800 Fax: (856) 858-4571 Email: jsmith@emsl.com

EMSL SM

Attn: **Scott Welsh**
Sierra Environmental Services, Inc.
PO Box 109
Marlton, NJ 08053

Fax: (856) 583-6004 Phone: (856) 988-9259

Customer ID: SENS62
Customer PO:
Received: 07/10/06 1:00 PM
EMSL Order: 010603572
EMSL Proj:
Report Date: 7/25/2006

Client Sample Description D-13 East *Collected:* 7/10/2006 *Lab ID:* 0001

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	99	%	0.5	7/11/2006 01:15 PM	ssamayam
Lead, Total	6010B	Lead	130	mg/Kg	0.98	7/13/2006 12:15 AM	RFerrer

Pb RL = 218%

Client Sample Description D-13 East Dup *Collected:* 7/10/2006 *Lab ID:* 0002

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	98	%	0.5	7/11/2006 01:15 PM	ssamayam
Lead, Total	6010B	Lead	100	mg/Kg	1.0	7/13/2006 12:22 AM	RFerrer

= 218%

Client Sample Description 7+15@100 *Collected:* 7/10/2006 *Lab ID:* 0003

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	93	%	0.5	7/11/2006 01:15 PM	ssamayam
Lead, Total	6010B	Lead	18	mg/Kg	1.0	7/12/2006 11:29 PM	RFerrer

Pb RL = 218%

Client Sample Description 7+15@100 Dup *Collected:* 7/10/2006 *Lab ID:* 0004

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	94	%	0.5	7/11/2006 01:15 PM	ssamayam
Lead, Total	6010B	Lead	15	mg/Kg	1.0	7/13/2006 12:45 AM	RFerrer

Pb RL = 218%

EMSL Analytical
3 Cooper St., Westmont, NJ 08108
Phone: (856) 858-4800 Fax: (856) 858-4571 Email: jsmith@emsl.com

EMSL SM

Attn: **Scott Welsh**
Sierra Environmental Services, Inc.
PO Box 109
Marlton, NJ 08053

Fax: (856) 583-6004 Phone: (856) 988-9259

Customer ID: SENS62
Customer PO:
Received: 07/10/06 1:00 PM
EMSL Order: 010603572
EMSL Proj:
Report Date: 7/25/2006

Client Sample Description 7+15@100-MS *Collected:* 7/10/2006 *Lab ID:* 0005

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	94	%	0.5	7/11/2006 01:15 PM	ssamayam
Lead, Total	6010B	Lead	16	mg/Kg	0.97	7/13/2006 12:53 AM	RFerrer

Pb RL = 218%

Client Sample Description 7+15@100-MSD *Collected:* 7/10/2006 *Lab ID:* 0006

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	93	%	0.5	7/11/2006 01:15 PM	ssamayam
Lead, Total	6010B	Lead	17	mg/Kg	1.0	7/13/2006 01:01 AM	RFerrer

= 218%

EMSL SM

CHAIN OF CUSTODY

010603 72

EMSL Analytical, Inc.
Chemistry Lab
3 Cooper St., Westmont, NJ 08108
TEL: (856) 858-4800 FAX: (856) 858-4571

Chain of Custody / Analysis Request Form

Print ALL Information. Put N/A in blanks not applicable

EMSL Project # _____
Account Rep: _____
Indicate State where samples collected: _____

REPORT RESULTS TO:	SEND INVOICE TO:	TURNAROUND TIME
Name: SCOTT WELSH	Name: PO#:	Date Results needed by:
Company: SIERRA ENVIRONMENTAL SERVICES	Company SAME	*Standard 6-10 days or 2 weeks ☐ *11-15 days or 3 weeks ☐ *16-21 days or 4 weeks ☐
Address P.O. BOX 109	Address	The following turnaround times require lab approval:
City MARLTON	City	☐ *4-5 days or 1week ☐ 72 Hrs ☒ 48 Hrs
State NJ ZIP 08053	State ZIP	☐ 24 Hrs Approved by
TEL: 856-625-7820 FAX: 856-583	TEL: FAX:	*same price and tat for weeks or days
Sampled by: (Signature) 6004	# of Samples in Shipment: 4	Date of Sample Shipment: 7/10/06

Refund of deposit KY 7/10/06

Failure to complete shaded areas will hinder processing of samples

	Sample Number	Station Location /Sample ID	COMP	GRAB	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	Method Preserved: HCL	HNO3	H2SO4	ICE	OTHER	Sampling: DATE	TIME	List Test Needed: TOTAL LEAD 6010 ICP
01	1. D-13 EAST	EAST END D-13		✓		✓											✓
02	2. D-13 EAST DUP	"		✓		✓											✓
03	3. 7+15 @ 100			✓		✓											✓
04	4. 7+15 @ 100	DUP		✓		✓											✓
05	5. 7+15 @ 100	MS															
06	6. 7+15 @ 100	MSD															
	7.																
	8.																
	9.																
	10.																

Released By Signature	Date & Time Released	Delivery Method	Received By Signature	Agency	Date & Time Received	Condition Noted
	1300 7/10/06				7/10/06 1300	good
						Lowe Ice

Comments:

Please indicate reporting requirements: ☐ 1 Results Only ☐ 2 Results and QC ☒ 3 Reduced Deliverables ☐ 4 Disk Deliverable

0007

EMSL Analytical **Sample Receiving Form**

Client: Sierra Envi. Serv.	
Project Number: 010603572	
Temperature Upon Receipt: 4°	Shipment Method: Dropoff

	YES	NO	NA
Were custody seals on shipping containers intact? Check 'NA' if no seals, or if containers were hand delivered.			X
Were Chain of Custody Forms included with the samples?	X		
Were Chain of Custody Forms filled out completely?	X		
Were all sample cohtainers received in good condition?	X		
Is there sufficient amount of sample for each test indicated?	X		
Were the sample containers properly preserved?			X
Was pH of the samples checked at the time of login?			X
Were any sample pHs adjusted at the time of login? Document on COC.			X
Were samples received within holding times?	X		
If the sample halding time was outside regulatory limits, was the client informed? Date client contacted: _____ Initials: _____ Client comments: _____			X
Were air bubbles present in any of the VOA bottles?			X
Were samples in direct contact with ice? X wet ____ blue			
Was the sample cooler temperature 4°C ± 2° upon receipt at the laboratory?	X		
If tha temperature was outside regulatory limits, was the client informed? Date client contacted: _____ Initials: _____ Client comments: _____			X
Will samples be subcontracted to another lab? Subcontractor: _____ Date sent: _____ Analyses: _____			X
Sample Custodian: K. Sparks			
Additional Comments:			

EMSL PROJECT No.: 01060357 2

Client Name: Sierra (Optional)

SAMPLE ID No.(s) 1-6
(List all alphabetic characters used on this project.)

Walk- In Refrigerator (Prep. Lab)

Shelf Location in Refrigerator: Check appropriate [ ] F-4

Auxiliary Storage Location - Not Refrigerator: Check appropriate [ ]
(Samples Not Requiring Refrigeration)
(If custody is transferred to a person, add Signature and Printed Name.)

Sample Container Information: (Optional)

EMSL Internal Chain of Custody

Date	Analysis/Analyses Performed	Sample Number/Numbers Used	letter	Printed Name	Signature	Time (24Hr. Only) Transfer	Returned	Initials Returned
login	Transfer to Wet Chemistry for Total Solids.			login	login			
Wet Chemistry	Receive & Return to Login Possession.			Wet Chemistry	Wet Chemistry			

Date	Analysis/Analyses Performed	Sample Number/Numbers Used	letter	Printed Name	Signature	Time (24Hr. Only) Sign Out	Returned	Initials Returned
7/11	LCP	1-6		DH	DH	730	945	DH
7/14	TS	1-6		SSM	SaliSay	1140	1230	SSM

a	b	c	d	e	f	g	h	i	k	l	m	n	o	p	q	r	s	t
Y Sulfuric	Y Sulfuric	Y Sulfuric	Y Sulfuric	Y Sulfuric	Y Sulfuric	G NaOH	G NaOH	G NaOH	G (Zn) NaOH / Zn Ac.	G (Zn) NaOH / Zn Ac.	G (Zn) NaOH / Zn Ac.	R Nitric	R Nitric	R Nitric	R Nitric	R Nitric	R Nitric	R Nitric
u	v	w	x	y	z	aa	ab	ac	ad	ae	af	ag	ah	aj	ak	al	am	an
UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserve

(If custody is transferred to a person, add Signature and Printed Name of that person.)

Login Personnel Relinquishing samples to the Refrigerator:

Printed Name: Kevin Sparks Anthony Falasca

Signature:

Date In: 7/10/06 Time In:

To:

Sample Disposal - Samples Removed by:

Printed Name: Kevin Sparks Anthony Falasca

Signature:

Date:

EMSL Preservations - "dot" color code:
Y = yellow=Sulfuric, G = green=NaOH, G(Zn)=NaOH + Zinc Acetate, R = red=HNO3, UP = Unpreserved.

6000

EMSL SM

CASE NARRATIVE

Project Number 010603572

This report contains the analytical data for lead analyses of four soils samples. The samples were received by EMSL on July 10, 2006, and analyzed in accordance with EPA SW-846 methodologies.

Sample Receipt
The sample cooler temperature was 4°C upon receipt at the laboratory. The date and time of collection was not documented on the chain-of-custody. The samples were received intact and in good condition.

Hold Times
All digestions and analyses were performed within the method specified hold time requirement. No major problems were encountered during the analyses of samples.

Metals
Calibrations: The ICV and CCV standards were within QC acceptance limits.
Blanks: Target analyte, lead, was detected in the calibration blanks.
Interference Check Standard: The (ICS) recoveries were within control limits.
Matrix Spikes/Duplicates: The spike recoveries and RPD data were within control limits.
LCS: The percent recoveries were within control limits.
Serial Dilutions: The percent differences met acceptance criteria.

EMSL SM

METHODOLOGY SUMMARY

EMSL SM

METHODOLOGY SUMMARY

Metals - Solid

This is a procedure used to determine metals concentrations in soils. The procedure involves an acidic digestion under oxidizing conditions using approximately one (0.5 to 1) gram of soil or solid material. Nitric and hydrochloric acids as well as hydrogen peroxide are employed in the digestion. Digestion may be by hotplate/beaker, Hotblock™ @95 °C or microwave methods. The digested sample is filtered and diluted to 50 ml. Preparation Methods are: SW-846 Methods 3050B or 3051.

The analysis is performed by Inductively Coupled Plasma (ICP), furnace atomic absorption (GFAA) or flame atomic absorption (FLAA). Reference methods are: ***SHW;*** 1) ICP - SW-846 3rd Edition, Method 6010B, 2) GFAA – Method 7421 (Pb), 3) FLAA – Method 7420 (Pb).

Total Solids, Percent

This is a gravimetric analytical method used to determine the solids content present in either solid or semi-solid matrices by removing the water content through oven drying. An aliquot of the sample is weighed into a tared dish and then dried at 103-105°C. The final dried weight is subtracted from the initial wet weight. The percent total solids present in the sample is calculated as the solids remaining after drying calculated as %. Reference method is EPA Method 160.3 or Standard Methods for the Examination of Water and Wastewater, 18th Edition, Methods 2540B or 2540G (SLU) and SW-846 Method 3540C Section 7.2.

EMSL SM

METHODOLOGY

All analyses are adapted from one or more of the following reference methods:

- "Guidelines Establishing Test Procedures for the Analysis of Pollutants", Code of Federal Regulations Vol. 40, Part 136.
- "Test Methods for Evaluating Solid Waste", SW846 3rd Edition, 1996.
- "Appendix II-Method 1311 Toxicity Characteristic Leaching Procedure (TCLP)". Code of Federal Regulations Vol. 40, Part 261.
- "Standard Methods for the Examination of Water and Wastewater", 18th and 19th edition.
- "Methods for the Chemical Analysis of Water and Wastes", EPA 600/4-79-020, 1983.
- "Annual Book of Standards, Section 11-Water", American Society for Testing and Materials (ASTM).
- "Methods for the Determination of Organic Compounds in Drinking Water", EPA 600R/95-131, 1995.
- "Official Methods of Analysis", Association of Official Analytical Chemists (AOAC), 15th Edition, 1990.
- NIOSH Manual of Analytical Methods, 4th Edition, 1994, DHHS Pub. No. 94-113.

DEFINITIONS OF ABBREVIATIONS

U:	Not Detected	B:	Compound found in method blank
E:	Estimated Concentration	ND:	Not Detected
NFL:	No Free Liquid	D:	Dilution
NR:	Not Requested	MDL:	Method detection limit
NA:	Not Applicable	MS/MSD:	Matrix Spike/Matrix Spike Duplicate
<:	Less than minimum detection limit	RPD:	Relative Percent Difference
NC:	Not calculable	RSD:	Relative Standard Deviation
LCS:	Laboratory Control Sample	ppb	Parts per billion = µg/Kg, µg/L
NTU:	Nephelometric Turbidity Units	ppm	Parts per million = mg/Kg, pg/g
J:	Compound detected below reportable detection limit	µmhos:	Conductivity units; resistance is expressed in ohms
°F:	degrees Fahrenheit	col/3:	Colonies per volume of sample
°C:	degrees Celcius	mg:	milligram (1000 mg = 1 g)
µg:	microgram (1000 µg = 1 mg)	ml:	milliliter (1000 ml = IL)
g:	gram (1000 g = 1 kg)	L	liter
pl:	microliter (1000 µl= 1 ml)	Kg:	Kilogram

COMMENTS: All soil samples are calculated on a dry weight basis except where noted.

EMSL SM

New Jersey Department of Environmental Protection
Division of Water Resources
Bureau of Underground Storage Tanks
CN-029, Trenton, New Jersey 08625

LABORATORY AUTHENTICATION STATEMENT

I certify under penalty of law, where applicable, this laboratory meets the Laboratory Performance Standards and Quality Control requirements specified in N.J.A.C. 7:18, 40 CFR Part 136 for Water and Wastewater Analyses and SW 846 for Solid Waste Analyses. I have personally examined and am familiar with the information contained in this report, and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, complete, and meets the standards specified in N.J.A.C. 7:18, 40 CFR Part 136, and/or SW 846. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment.

Laboratory Manager (as defined in N.J.A.C. 7:18)

Asbestos • Lead • Environmental • Materials & Indoor Air Analysis

EMSL ANALYTICAL, INC.

http://www.emsl.com

Corporate Office & Lab
107 Haddon Avenue
Westmont, NJ 08108
1-800-220-3675

ANALYTICAL DATA REPORT
FOR
SIERRA ENVIRONEMNTAL SERVICES, INC.
P.O. Box 109
Marlton, NJ 08053

PROJECT: MS/MDS on Sample 3

EMSL Project: 010603635

Field Sample No. & Location	Laboratory Sample ID	Matrix	Date & Time of Collection	Date Received
8+34@ 96	010603635-0001	Soil	7/13/06 @ 1040	7/13/06
8+34@ 96--DUP	010603635-0002	Soil	7/13/06 @ 1040	7/13/06
7+78@91	010603635-0003	Soil	7/13/06 @ 1041	7/13/06
7+78@91--DUP	010603635-0004	Soil	7/13/06 @ 1041	7/13/06
8+34@ 96--MS	010603635-0005	Soil	7/13/06 @ -	7/13/06
8+34@ 96--MSD	010603635-0006	Soil	7/13/06 @ -	7/13/06

Laboratory Name — EMSL ANALYTICAL, INC.

Certification No. — NJ-NELAP LAB: No. 04653

Laboratory Manager
or other approved signatory
Date

Julie Smith
8/7/06

EMSL SM

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EMSL SM

SAMPLE DATA SUMMARY PACKAGE

EMSL Analytical
3 Cooper St., Westmont, NJ 08108
Phone: (856) 858-4800 Fax: (855) 858-4571 Email: jsmith@emsl.com

EMSL

Attn: **Scott Welsh**
Sierra Environmental Services, Inc.
PO Box 109
Marlton, NJ 08053

Fax: (856) 583-6004 Phone: (856) 988-9259

Customer ID: SENS62
Customer PO:
Received: 07/13/06 2:00 PM
EMSL Order: 010603635
EMSL Proj:
Report Date: 7/17/2006

Client Sample Description 8+34@96 *Collected:* 7/13/2006 10:40:00 AM *Lab ID:* 0001

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	95	%	0.5	7/14/2006 01:50 PM	ssamayam
Lead, Total	6010B	Lead	260	mg/Kg	1.0	7/14/2006 10:43 PM	rferrer

Client Sample Description 8+34@96--DUP Duplicate *Collected:* 7/13/2006 10:40:00 AM *Lab ID:* 0002

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	94	%	0.5	7/14/2006 01:50 PM	ssamayam
Lead, Total	6010B	Lead	190	mg/Kg	1.0	7/14/2008 10:51 PM	rferrer

Client Sample Description 7+78@91 *Collected:* 7/13/2006 10:40:00 AM *Lab ID:* 0003

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	96	%	0.5	7/14/2006 01:50 PM	ssamayam
Lead, Total	6010B	Lead	52	mg/Kg	0.99	7/14/2006 09:42 PM	rferrer

Client Sample Description 7+78@91--DUP Duplicate *Collected:* 7/13/2006 10:40:00 AM *Lab ID:* 0004

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	95	%	0.5	7/14/2006 01:50 PM	ssamayam
Lead, Total	6010B	Lead	43	mg/Kg	0.96	7/14/2006 10:58 PM	rferrer

Client Sample Description 8+34@96--MS *Collected:* 7/13/2006 10:40:00 AM *Lab ID:* 0005

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	95	%	0.5	7/14/2006 01:50 PM	ssamayam
Lead, Total	5010B	Lead	49	mg/Kg	1.0	7/14/2006 11:06 PM	rferrer

EMSL Analytical
3 Cooper St., Westmont, NJ 08108
Phone: (856) 858-4800 Fax: (856) 858-4571 Email: jsmith@emsl.com

Attn: **Scott Welsh**
Sierra Environmental Services, Inc.
PO Box 109
Marlton, NJ 08053

Fax: (856) 583-6004 Phone: (856) 988-9259

Customer ID: SENS62
Customer PO:
Received: 07/13/06 2:00 PM
EMSL Order: 010603635
EMSL Proj:
Report Date: 7/17/2006

Client Sample Description 8+34@96--MSD *Collected:* 7/13/2006 10:40:00 AM *Lab ID:* 0006

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysts Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	95	%	0.5	7/14/2006 01:50 PM	ssamayam
Lead, Total	6010B	Lead	62	mg/Kg	1.0	7/14/2006 11:14 PM	rferrer

EMSL SM

CHAIN OF CUSTODY

0106036 3

EMSL Analytical, Inc.
Chemistry Lab
3 Cooper St., Westmont, NJ 08108
TEL: (856) 858-4800 FAX: (856) 858-4571

Chain of Custody / Analysis Request Form

Print ALL Information. Put N/A in blanks not applicable

EMSL Project # _____
Account Rep: _____
Indicate State where samples collected: _____

REPORT RESULTS TO:	SEND INVOICE TO:	TURNAROUND TIME
Name: SCOTT CAELSH	Name: PO#:	Date Results needed by:
Company: SIERRA ENVIRONMENTAL SERVICES	Company SAME	*Standard 6-10 days or 2 weeks ☐ *11-15 days or 3 weeks ☐ *16-21 days or 4 weeks ☐
Address P.O. BOX 109	Address	The following turnaround times require lab approval:
City MARLTON	City	☐ *4-5 days or 1week ☐ 72 Hrs ☑ 48 Hrs
State NJ ZIP 08053	State ZIP	☐ 24 Hrs Approved by
TEL: 856 625-7829 FAX: 856 583-	TEL: FAX:	*same price and tat for weeks or days
Sampled by: (Signature) 6004	# of Samples in Shipment: 4	Date of Sample Shipment:

Failure to complete shaded areas will hinder processing of samples.

	Sample Number	Station Location /Sample ID	COMP	GRAB	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	Metliod Preserved: HCL	HNO3	H2SO4	ICE	OTHER	Sampling: DATE	TIME	List Test Needed: 6010	6014						
-01	1. 8+34@96	8+34 @96		✓		✓									7/13	1040	✓							
-02	2. 8+34@96	8+34 @96 DUP		✓		✓									7/13	1040	✓							
-03	3. 7+78@91	7+78@91		✓		✓									7/13	1041	✓							
-04	4. 7+78@91	7+78@91 DUP		✓		✓									7/13	1041	✓							
	5.																							
	6.																							
	7.																							
	8.																							
	9.																							
	10.																							

Released By Signature	Date & Time Released	Delivery Method	Received By Signature	Agency	Date & Time Received	Condition Noted
	7/13/06 1400			EMSL	7/13 14:00	5°=6 wet ice

Comments:

Please indicate reporting requirements: ☐ 1. Results Only ☐ 2. Results and QC ☐ 3. Reduced Deliverables ☐ 4. Disk Deliverable

0007

MSL PROJECT No.: 0106033635

llant Name: Sierra (Optional)

AMPLE ID No.(s) 1-6
ist all alphabetic characters used on this project)

Walk- In Refrigerator (Prep. Lab)

Check appropriate

Sholf Location In Refrigerator: G-3

Check appropriate

Auxiliary Storage Location - Not Refrigerator :
(Samples Not Reauirinn Relrigeralion)

(if custody is transferred to a person, add Signaiure and Printed Name.)

Sample Container Information:
(Optional)

EMSL Internal Chain of Custody

Dale	Analysis/Analyses Performed	Sample Number/Numbers Used	letter	Printed Name	Signature	Time (24Hr. Only) Transfer	Returned	Initials Returned
gin	Transfer to Wet Chemistry for Total Solids.			login	login			
/et Chemistry	Receive & Return to Login Possession.			Wet Ctiemistry	Wet Ctiemistry			

Dale	Analysis/Analyses Performed	Sample Number/Numbers Used	letter	Printed Name	Signature	Time (24Hr. Only) Sign Out	Returned	Initials Returned
7/14	ICP	1-6		DM	DM	630	845	DM
7/14	TS	1-6		Leon	Leon	1430	1610	TC

a	b	c	d	e	f	g	h	j	k	l	m	n	o	p	q	r	s	t
Y Sulfuric	Y Sulfuric	Y Sulfuric	Y Sulfuric	Y Sulfuric	Y Sulfuric	G NaOH	G NaOH	G NaOH	G (Zn) NaOH / Zn Ac.	G (Zn) NaOH / Zn Ac.	G (Zn) NaOH / Zn Ac.	R Nitric	R Nitric	R Nitric	R Nitric	R Nitric	R Nitric	R Nitric
u	v	w	x	y	z	aa	an	ac	au	ae	at	ag	an	aj	ak	ai	am	an
UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserved	UP Unpreserv

(If custody is transferred to a person, add Signature and Printed Name of that person.)

Login Personnel Relinquishing samples to the Refrigerator: to:

Printed Name: Kevin Sparks Anthony Falasca

Signature:

Date In: 7/13/06 Time In:

Sample Disposal - Samples Removed By:

Printed Name: Kevin Sparks Anthony Falasca

Signature:

Date:

EMSL Preservations - "dal" color code:
Y = yellow=Sulfuric, G = green=NaOH, G(Zn)=NaOH + Zinc AceUte, R = red=HNO3, UP = Unpreserved.

8000

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CASE NARRATIVE

Project Number 010603635

This report contains the analytical data for lead analyses of six soil samples. The samples were received by EMSL on July 13, 2006, and analyzed in accordance with EPA SW-846 methodologies.

Sample Receipt
The sampie cooler temperature was 5°C upon receipt at the laboratory. The samples were received intact and in good condition.

Hold Times
Ail digestions and analyses were performed within the method specified hold time requirement. No major problems were encountered during the analyses of samples.

Metals
Calibrations: The ICV and CCV standards were within QC acceptance limits.
Blanks: Target anaiyte was not detected in the method blanks.
Interference Check Standard: The (ICS) recoveries were within control limits.
Matrix Spikes/Duplicates: The spike recoveries and RPD data for lead fell within control limits.
LCS: The percent recoveries were within control limits.
Serial Dilutions: The percent differences met acceptance criteria.

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METHODOLOGY SUMMARY

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METHODOLOGY SUMMARY

Metals - Solid

This is a procedure used to determine metals concentrations in soils. The procedure involves an acidic digestion under oxidizing conditions using approximately one (0.5 to 1) gram of soil or solid material. Nitric and hydrochloric acids as well as hydrogen peroxide are employed in the digestion. Digestion may be by hotplate/beaker, Hotblock™ @95 °C or microwave methods. The digested sample is filtered and diluted to 50 ml. Preparation Methods are: SW-846 Methods 3050B or 3051.

The analysis is performed by Inductively Coupled Plasma (ICP), furnace atomic absorption (GFAA) or flame atomic absorption (FLAA). Reference methods are: ***SHW;*** 1) ICP - SW-846 3rd Edition, Method 6010B, 2) GFAA – Method 7421 (Pb), 3) FLAA – Method 7420 (Pb).

Total Solids, Percent

This is a gravimetric analytical method used to determine the solids content present in either solid or semi-solid matrices by removing the water content through oven drying. An aliquot of the sample is weighed into a tared dish and then dried at 103-105°C. The final dried weight is subtracted from the initial wet weight. The percent total solids present in the sample is calculated as the solids remaining after drying calculated as %. Reference method is EPA Method 160.3 or Standard Methods for the Examination of Water and Wastewater, 18th Edition, Methods 2540B or 2540G (SLU) and SW-846 Method 3540C Section 7.2.

EMSL

METHODOLOGY

All analyses are adapted from one or more of the following reference methods:

- "Guidelines Establishing Test Procedures for the Analysis of Pollutants", Code of Federal Regulations Vol. 40, Part 136.
- "Test Methods for Evaluating Solid Waste", SW846 3rd Edition, 1996.
- "Appendix II-Method 1311 Toxicity Characteristic Leaching Procedure (TCLP)". Code of Federal Regulations Vol. 40, Part 261.
- "Standard Methods for the Examination of Water and Wastewater", 18th and 19th edition.
- "Methods for the Chemical Analysis of Water and Wastes", EPA 600/4-79-020, 1983.
- "Annual Book of Standards, Section 11-Water", American Society for Testing and Materials (ASTM).
- "Methods for the Determination of Organic Compounds in Drinking Water", EPA 600R/95-131, 1995.
- "Official Methods of Analysis", Association of Official Analytical Chemists (AOAC), 15th Edition, 1990.
- NIOSH Manual of Analytical Methods, 4th Edifion, 1994, DHHS Pub. No. 94-113.

DEFENITIONS OF ABBREVIATIONS

U:	Not Detected	B:	Compound found in method blank
E:	Estimated Concentration	ND:	Not Detected
NFL:	No Free Liquid	D:	Dilution
NR:	Not Requested	MDL:	Method detection limit
NA:	Not Applicable	MS/MSD:	Matrix Spike/Matrix Spike Duplicate
<:	Less than minimum detection limit	RPD:	Relative Percent Difference
NC:	Not calculable	RSD:	Relative Standard Deviation
LCS:	Laboratory Control Sample	ppb	Parts per billion = µg/Kg, µg/L
NTU:	Nephelometric Turbidity Units	ppm	Parts per million = mg/Kg, µg/g
J:	Compound detected below reportable detection limit	µmhos:	Conductivity units; resistance is expressed in ohms
°F:	degrees Fahrenheit	col/3:	Colonies per volume of sample
°C:	degrees Celcius	mg:	milligram (1000 mg = 1 g)
µg:	microgram (1000 µg = 1 mg)	ml:	milliliter (1000 ml = IL)
g:	gram (1000 g = 1 kg)	L	liter
µl:	microliter (1000 µl= 1 ml)	Kg:	Kilogram

COMMENTS: All soil samples are calculated on a dry weight basis except where noted.

EMSL

New Jersey Department of Environmental Protection
Division of Water Resources
Bureau of Underground Storage Tanks
CN-029, Trenton, New Jersey 08625

LABORATORY AUTHENTICATION STATEMENT

I certify under penalty of law, where applicable, this laboratory meets the Laboratory Performance Standards and Quality Control requirements specified in N.J.A.C. 7:18, 40 CFR Part 136 for Water and Wastewater Analyses and SW 846 for Solid Waste Analyses. I have personally examined and am familiar with the information contained in this report, and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, complete, and meets the standards specified in N.J.A.C. 7:18, 40 CFR Part 136, and/or SW 846. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment.

Laboratory Manager (as defined in N.J.A.C. 7:18)

Asbestos • Lead • Environmental • Materials & Indoor Air Analysis

EMSL ANALYTICAL, INC.

http://www.emsl.com

Corporate Office & Lab
107 Haddon Avenue
Westmont, NJ 08108
1-800-220-3675

ANALYTICAL DATA REPORT
FOR
SIERRA ENVIRONEMNTAL SERVICES, INC.
P.O. Box 109
Marlton, NJ 08053

PROJECT: MS/MDS on Sample 5

EMSL Project: 010603736

Field Sample No. & Location	Laboratory Sample ID	Matrix	Date & Time of Collection	Date Received
5+05@100	010603736-0001	Soil	7/18/06 @ 1000	7/18/06
5+05@100 DUP	010603736-0002	Soil	7/18/06 @ 1000	7/18/06
Stockpile	010603736-0003	Soil	7/18/06 @ 1000	7/18/06
Stockpile DUP	010603736-0004	Soil	7/18/06 @ 1000	7/18/06
6+50@89	010603736-0005	Soil	7/18/06 @ 1000	7/18/06
6+50@89 DUP	010603736-0006	Soil	7/18/06 @ 1000	7/18/06
6+50@ 89 MS	010603736-0007	Soil	7/18/06 @ 1000	7/18/06
6+50@ 89 MSD	010603736-0008	Soil	7/18/06 @ 1000	7/18/06
Wipe D-13	010603736-0009	Soil	7/18/06 @ 1000	7/18/06

Laboratory Name — EMSL ANALYTICAL, INC.

Certification No. — NJ-NELAP LAB: No. 04653

Laboratory Manager
or other approved signatory
Date

8/7/06

EMSL

SM

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EMSL SM

SAMPLE DATA SUMMARY PACKAGE

EMSL Analytical
8 Cooper St., Westmont, NJ 08108
Phone: (856) 858-4800 Fax: (856) 858-4571 Email: jsm[illegible]n.[illegible]msl.com

Attn: **Scott Welsh**
Sierra Environmental Services, Inc.
PO Box 109
Marlton, NJ 08053

Fax: (856) 583-6004 Phone: (856) 988-9259

Customer ID: SENS62
Customer PO:
Received: 07/18/06 3:25 PM
EMSL Order: 010603736
EMSL Proj:
Report Date: 7/21/2006

Client Sample Description 5+05@100 Grab — *Collected:* 7/18/2006 10:00:00 AM — *Lab ID:* 0001

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	98	%	0.5	7/19/2006 05:30 PM	ssamayam
Lead, Total	6010B	Lead	250	mg/Kg	1.0	7/20/2006 02:24 AM	RFerrer

Pb RL = 172%

Client Sample Description 5+05@100 DUP Grab — *Collected:* 7/18/2006 10:00:00 AM — *Lab ID:* 0002

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	98	%	0.5	7/19/2006 05:30 PM	ssamayam
Lead, Total	6010B	Lead	290	mg/Kg	0.94	7/20/2006 02:32 AM	RFerrer

Pb RL = 172%

Client Sample Description Stockpile Comp — *Collected:* 7/18/2006 10:00:00 AM — *Lab ID:* 0003

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	90	%	0.5	7/19/2006 05:30 PM	ssamayam
Lead, Total	6010B	Lead	140	mg/Kg	1.0	7/20/2006 02:40 AM	RFerrer

Pb RL = 172%

Client Sample Description Stockpile DUP Comp — *Collected:* 7/18/2006 10:00:00 AM — *Lab ID:* 0004

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	92	%	0.5	7/19/2006 05:30 PM	ssamayam
Lead, Total	6010B	Lead	150	mg/Kg	1.1	7/20/2006 02:47 AM	RFerrer

Pb RL = 172%

EMSL Analytical
3 Cooper St., Westmont, NJ 08108
Phone: (856) 858-4800 Fax: (856) 858-4571 Email: jsmith@emslcom

EMSL SM

Attn: **Scott Welsh**
Sierra Environmental Services, Inc.
PO Box 109
Marlton, NJ 08053

Fax: (856) 583-6004 Phone: (856) 988-9259

Customer ID: SENS62
Customer PO:
Received: 07/18/06 3:25 PM
EMSL Order: 010603736
EMSL Proj:
Report Date: 7/21/2006

Client Sample Description 6+50@89 Grab — *Collected:* 7/18/2006 10:00:00 AM — *Lab ID:* 0005

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	98	%	0.5	7/19/2006 05:30 PM	ssamayam
Lead, Total	6010B	Lead	230	mg/Kg	1.0	7/20/2006 01:24 AM	RFerrer

Pb RL = 172%

Client Sample Description 6+50@89 DUP Grab — *Collected:* 7/18/2006 10:00:00 AM — *Lab ID:* 0006

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Total Solids	2540B	Total Solids	97	%	0.5	7/19/2006 05:30 PM	ssamayam
Lead, Total	6010B	Lead	380	mg/Kg	0.98	7/20/2006 02:55 AM	RFerrer

Pb RL = 172%

Client Sample Description WIPE D-13 — *Collected:* 7/18/2006 10:00:00 AM — *Lab ID:* 0009

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Lead	6010B	Lead	<10	µg/wipe	10	7/20/2006 02:08 PM	rferrer

EMSL SM

CHAIN OF CUSTODY

EMSL Analytical, Inc.
Chemistry Lab
3 Cooper St., Westmont, NJ 08108
TEL: (856) 858-4800 FAX: (856) 858-4571

Chain of Custody / Analysis Request Form

Print ALL Information. Put N/A in blanks not applicable

EMSL Project # 0106059736
Account Rep: _____
Indicate State where samples collected: _____

REPORT RESULTS TO:
Name: SCOTT WELSH
Company: SIERRA ENVIRONMENTAL SERV
Address: PO BOX ~~100~~ 109
City: MARLTON
State: NJ ZIP: 08053
TEL: 856-625-7827 FAX: 856 583-6004
Sampled by: (Signature)

SEND INVOICE TO:
Name: PO#:
Company: SAME
Address
City
State ZIP
TEL: FAX:
# of Samples in Shipment: _____

TURNAROUND TIME
Date Results needed by: _____
*Standard 6-10 days or 2 weeks ☐ *11-15 days or 3 weeks ☐
*16-21 days or 4 weeks ☐
The following turnaround times require lab approval:
☐ *4-5 days or 1week ☐ 72 Hrs ☒ 48 Hrs
☒ 24 Hrs Approved by _____
*same price and tat for weeks or days
Date of Sample Shipment: 7/18/06

Failure to complete shaded areas will hinder processing of samples.

	Sample Number	Station Location /Sample ID	COMP	GRAB	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	Method Preserved: HCL	HNO3	H2SO4	ICE	OTHER	Sampling: DATE	TIME	List Test Needed: 6010 ICP						
-01	1.	5+05@100		✓		✓									7/18	1000							
-02	2.	5+05@ 100 DUP		✓		✓																	
-03	3.	STOCKPILE	✓			✓																	
-04	4.	STOCKPILE DUP	✓			✓																	
-05	5.	6+50@ 89		✓		✓																	
-06	6.	6+50@ 89 DUP		✓		✓																	
	7.		WIPES D-13											✓									
	8.																						
	9.																						
	10.																						

Released By Signature	Date & Time Released	Delivery Method	Received By Signature	Agency	Date & Time Received	Condition Noted
[signature]	7/18/06 325 P		[signature]	EMSL	7/18/06 1525	6-6 Bag of ice

Comments:

Please indicate reporting requirements: ☒ 1. Results Only ☒ 2. Results and QC ☐ 3. Reduced Deliverables ☐ 4. Disk Deliverable

0007

EMSL Analytical

Sample Receiving Form

Client: Sierra Enviro	
Project Number: C10603736	
Temperature Upon Receipt: 6°	Shipment Method:

	YES	NO	NA
Were custody seals on shipping containers intact? Check 'NA' if no seals, or if containers were hand delivered.			X
Were Chain of Custody Forms included with the samples?	X		
Were Chain of Custody Forms filled out completely?	X		
Were all sample containers received in good condition?	X		
Is there sufficient amount of sample for each test indicated?	X		
Were the sample containers properly preserved?			X
Was pH of the samples checked at the time of login?			X
Were any sample pHs adjusted at the time of login? Document on COC.			X
Were samples received within holding times?	X		
If the sample holding time was outside regulatory limits, was the client Informed? Date client contacted: _____ Initials: _____ Client comments: _____			X
Were air bubbles present in any of the VOA bottles?			X
Were samples in direct contact with ice? X wet ___ blue	X		
Was the sample cooler temperature 4°C ± 2° upon receipt at the laboratory?	X		
If the temperature was outside regulatory limits, was the client informed? Date client contacted: _____ Initials: _____ Client comments: _____			X
Will samples be subcontracted to another lab? Subcontractor: _____ Date sent: _____ Analyses: _____		X	
Sample Custodian: _____			
Additional Comments:			

EMSL PROJECT No.: 01060373 6

Client Name: Sierra Eau (Optional)

SAMPLE ID No.(s) (List all alphabetic characters used on this project.): 1-9 [8 Soils] [1 Wipe]

Walk- In Refrigerator (Prep. Lab)

Shelf Location in Refrigerator: Check appropriate [ ] F-2

Auxiliary Storage Location - Not Refrigerator: (Samples Not Requiring Refrigeration) Check appropriate [ ]

(If custody is transferred to a person, add Signature and Printed Name.)

Sample Container Information: (Optional)

EMSL Internal Chain of Custody

Date	Analysis/Analyses Performed	Sample Number/Numbers Used	letter	Printed Name	Signature	Time (24Hr. Only) Transfer	Returned	Initials Returned
login	Transfer to Wet Chemistry for Total Solids.			login	login			
Wet Chemistry	Receive & Return to Login Possession.			Wet Chemistry	Wet Chemistry			

Date	Analysis/Analyses Performed	Sample Number/Numbers Used	letter	Printed Name	Signature	Time (24Hr. Only) Sign Out	Returned	Initials Returned
7/19	ICP	1-8		DH	DH	730	900	DH
7/19	TS	1-8		SM	Sallsm	1630	1700	SM

a Y Sulfuric	b Y Sulfuric	c Y Sulfuric	d Y Sulfuric	e Y Sulfuric	f Y Sulfuric	g G NaOH	h G NaOH	i G NaOH	k G (Zn) NaOH / Zn Ac.	l G (Zn) NaOH / Zn Ac.	m G (Zn) NaOH / Zn Ac.	n R Nitric	o R Nitric	p R Nitric	q R Nitric	r R Nitric	s R Nitric	t R Nitric
u UP Unpreserved	v UP Unpreserved	w UP Unpreserved	x UP Unpreserved	y UP Unpreserved	z UP Unpreserved	aa UP Unpreserved	ab UP Unpreserved	ac UP Unpreserved	ad UP Unpreserved	ae UP Unpreserved	af UP Unpreserved	ag UP Unpreserved	ah UP Unpreserved	aj UP Unpreserved	ak UP Unpreserved	al UP Unpreserved	am UP Unpreserved	an UP Unpreserved

(If custody is transferred to a person, add Signature and Printed Name of that person.)

Login Personnel Relinquishing samples to the Refrigerator:

Printed Name: Kevin Sparks

Signature:

Date In: 7/18/06 Time In:

TO:

Sample Disposal - Samples Removed by:

Printed Name: Kevin Sparks

Signature:

Date:

EMSL Preservations - "dot" color code:
Y = yellow=Sulfuric, G = green=NaOH, G(Zn)=NaOH + Zinc Acetate, R = red=HNO3, UP = Unpreserved.

Internal chain new 2001 walkin.XLS

6000

EMSL SM

CASE NARRATIVE

EMSL Analytical **Case Narrative**

Project Number 010603736

This report contains the analytical data for lead analyses of six soils and one wipe samples. The samples were received by EMSL on July 18, 2006, and analyzed in accordance with EPA SW-846 methodologies.

Sample Receipt
The sample cooler temperature was 6°C upon receipt at the laboratory. The samples were received intact and in good condition.

Hold Times
All digestions and analyses were performed within the method specified hold time requirement. No major problems were encountered during the analyses of samples.

Metals
Calibrations: The ICV and CCV standards were within QC acceptance limits.
Blanks: Target analyte, lead, was detected in the calibration blanks.
Interference Check Standard: The (ICS) recoveries were within control limits.
Matrix Spikes/Duplicates: The spike recoveries and RPD data for lead fell outside control limits.
LCS: The percent recoveries were within control limits.
Serial Dilutions: The percent differences met acceptance criteria.

EMSL SM

METHODOLOGY SUMMARY

EMSL SM

METHODOLOGY SUMMARY

Metals - Solid

This is a procedure used to determine metals concentrations in soils. The procedure involves an acidic digestion under oxidizing conditions using approximately one (0.5 to 1) gram of soil or solid material. Nitric and hydrochloric acids as well as hydrogen peroxide are employed in the digestion. Digestion may be by hotplate/beaker, Hotblock™ @95 °C or microwave methods. The digested sample is filtered and diluted to 50 ml. Preparation Methods are: SW-846 Methods 3050B or 3051.

The analysis is performed by Inductively Coupled Plasma (ICP), furnace atomic absorption (GFAA) or flame atomic absorption (FLAA). Reference methods are: ***SHW;*** 1) ICP - SW-846 3rd Edition, Method 6010B, 2) GFAA – Method 7421 (Pb), 3) FLAA – Method 7420 (Pb).

Total Solids, Percent

This is a gravimetric analytical method used to determine the solids content present in either solid or semi-solid matrices by removing the water content through oven drying. An aliquot of the sample is weighed into a tared dish and then dried at 103-105°C. The final dried weight is subtracted from the initial wet weight. The percent total solids present in the sample is calculated as the solids remaining after drying calculated as %. Reference method is EPA Method 160.3 or Standard Methods for the Examination of Water and Wastewater, 18th Edition, Methods 2540B or 2540G (SLU) and SW-846 Method 3540C Section 7.2.

EMSL SM

METHODOLOGY

All analyses are adapted from one or more of the following reference methods:

- "Guidelines Establishing Test Procedures for the Analysis of Pollutants", Code of Federal Regulations Vol. 40, Part 136.
- "Test Methods for Evaluating Solid Waste", SW846 3rd Edition, 1996.
- "Appendix II-Method 1311 Toxicity Characteristic Leaching Procedure (TCLP)". Code of Federal Regulations Vol. 40, Part 261.
- "Standard Methods for the Examination of Water and Wastewater", 18th and 19th edition.
- "Methods for the Chemical Analysis of Water and Wastes", EPA 600/4-79-020, 1983.
- "Annual Book of Standards, Section 11-Water", American Society for Testing and Materials (ASTM).
- "Methods for the Determination of Organic Compounds in Drinking Water", EPA 600R/95-131, 1995.
- "Official Methods of Analysis", Association of Official Analytical Chemists (AOAC), 15th Edition, 1990.
- NIOSH Manual of Analytical Methods, 4th Edition, 1994, DHHS Pub. No. 94-113.

DEFINITIONS OF ABBREVIATIONS

U:	Not Detected	B:	Compound found in method blank
E:	Estimated Concentration	ND:	Not Detected
NFL:	No Free Liquid	D:	Dilution
NR:	Not Requested	MDL:	Method detection limit
NA:	Not Applicable	MS/MSD:	Matrix Spike/Matrix Spike Duplicate
<:	Less than minimum detection limit	RPD:	Relative Percent Difference
NC:	Not calculable	RSD:	Relative Standard Deviation
LCS:	Laboratory Control Sample	ppb	Parts per billion = µg/Kg, µg/L
NTU:	Nephelometric Turbidity Units	ppm	Parts per million = mg/Kg, µg/g
J:	Compound detected below reportable detection limit	µmhos:	Conductivity units; resistance is expressed in ohms
°F:	degrees Fahrenheit	col/3:	Colonies per volume of sample
°C:	degrees Celcius	mg:	milligram (1000 mg = 1 g)
µg:	microgram (1000 µg = 1 mg)	ml:	milliliter (1000 ml = IL)
g:	gram (1000 g = 1 kg)	L	liter
µl:	microliter (1000 µl= 1 ml)	Kg:	Kilogram

COMMENTS: All soil samples are calculated on a dry weight basis except where noted.

EMSL SM

New Jersey Department of Environmental Protection
Division of Water Resources
Bureau of Underground Storage Tanks
CN-029, Trenton, New Jersey 08625

LABORATORY AUTHENTICATION STATEMENT

I certify under penalty of law, where applicable, this laboratory meets the Laboratory Performance Standards and Quality Control requirements specified in N.J.A.C. 7:18, 40 CFR Part 136 for Water and Wastewater Analyses and SW 846 for Solid Waste Analyses. I have personally examined and am familiar with the information contained in this report, and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, complete, and meets the standards specified in N.J.A.C. 7:18, 40 CFR Part 136, and/or SW 846. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment.

Julie Smith

Laboratory Manager (as defined in N.J.A.C. 7:18)

EMSL Analytical

http://www.emsl.com

3 Cooper St.
Westmont, NJ 08108
Phone: (856) 858-4800
Fax: (856) 858-4571

Attn: Ed Pearl
Sierra Environmental Services, Inc.
PO Box 109
Marlton, NJ 08053

7/11/2006

Phone (856) 988-9259
Fax: (856) 583-6004

The following report covers the analysis performed on samples submitted to EMSL Analytleal on 6/30/2006. The results ere tabulated on the attached data pages for the following client designated project:

Project ID: Matteo-4-6

The reference number for these samples is EMSL Order #010603433. Please use this reference when calling about these samples.

If you have any questions, please do not hesitate to contact me at (856) 858-4800.

Reviewed and Approved By:

Laboratory Director or other approved signatory
NJ-NELAP Accredited:04653

ACCREDITED IN ACCORDANCE WITH nelac

The tasl results containsd within this report meet the requirements of NELAC and/or the epacific certificatiun program that is appdceble, unless otherwise noted.

EMSL Analytical
3 Cooper St., Westmont, NJ 08108
Phone: (856) 858-4800 Fax: (856) 858-4571 Email: jamith@emsl.com

EMSL

Attn: **Ed Pearl**
Sierra Environmental Services, Inc.
PO Box 109
Marlton, NJ 08053
Fax: (856) 583-6004 Phone: (856) 989-9259

Customer ID: SENS62
Customer PO:
Received: 06/30/06 4:30 PM
EMSL Order: 010603433
EMSL Proj: Matteo-4-6
Report Date: 7/11/2006

Client Sample Description Matteo Waste Pile-COMP Matteo *Collected:* 6/30/2006 2:30:00 PM *Lab ID:* 0001

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
Ignitability	1010Mod	Ignitability	>180	°F	n/a	7/11/2006 11:20 AM	shume
Total Solids	2540B	Total Solids	91	%	0.5	7/5/2006 04:30 PM	ssamayam
TCLP Metals-Arsenic, TCLP	6010B	Arsenic	<0.080	mg/L	0.080	7/8/2006 12:29 AM	RFerrer
As RLs = 48% and 47%							
TAL Metals-Arsenic, Total	6010B	Arsenic	5.4	mg/Kg	0.87	7/8/2006 02:55 AM	RFerrer
As RLs = 47% and 33%							
TCLP Metals-Barium, TCLP	6010B	Barium	<1.0	mg/L	1.0	7/8/2006 12:29 AM	RFerrer
TAL Metals-Barium, Total	6010B	Barium	18	mg/Kg	11	7/8/2006 02:55 AM	RFerrer
TCLP Metals-Cadmium, TCLP	6010B	Cadmium	<0.040	mg/L	0.040	7/8/2006 12:29 AM	RFerrer
TAL Metals-Cadmium, Total	6010B	Cadmium	<0.43	mg/Kg	0.43	7/8/2006 02:55 AM	RFerrer
TCLP Metals-Chromium, TCLP	6010B	Chromium	<0.10	mg/L	0.10	7/8/2006 12:29 AM	RFerrer
Cr RLs = 23% and 41%							
TAL Metals-Chromium, Total	6010B	Chromium	7.0	mg/Kg	1.1	7/8/2006 02:55 AM	RFerrer
Cr RLs = 41% and 78%							
TAL Metals-Copper, Total	6010B	Copper	17	mg/Kg	2.2	7/8/2006 02:55 AM	RFerrer
TCLP Metals-Lead, TCLP	6010B	Lead	31	mg/L	0.10	7/8/2006 12:29 AM	RFerrer
Pb RLs = 57% and 36%							
TAL Metals-Lead, Total	6010B	Lead	1500	mg/Kg	1.1	7/8/2006 02:55 AM	RFerrer
Pb RLs = 36% and 43%							
TAL Metals-Nickel, Total	6010B	Nickel	3.8	mg/Kg	2.2	7/8/2006 02:55 AM	RFerrer
TCLP Metals-Selenium, TCLP	6010B	Selenium	<0.20	mg/L	0.20	7/8/2006 12:29 AM	RFerrer
TAL Metals-Selenium, Total	6010B	Selenium	<2.2	mg/Kg	2.2	7/8/2006 02:55 AM	RFerrer
TCLP Metals-Silver, TCLP	6010B	Silver	<0.10	mg/L	0.10	7/8/2006 12:29 AM	RFerrer
Ag ICV/CCVs = 111%, 110%, 111%, and 110%							
TAL Metals-Silver, Total	6010B	Silver	<1.1	mg/Kg	1.1	7/8/2006 02:55 AM	RFerrer
Ag ICV/CCVs = 111%, 110%, 110%, and 111%							
TAL Metals-Zinc, Total	6010B	Zinc	46	mg/Kg	2.2	7/8/2006 02:55 AM	RFerrer
Prep blank hit for Zn at 2.07 mg/kg							
Reactivity-Reactive Sulfide	7.3.3.2	Reactive Sulfide	<27.5	mg/Kg	27.5	7/10/2006 09:00 AM	tleeh
Reactivity-Reactive Cyanide	7.3.4.2	Reactive Cyanide	<54.9	mg/Kg	54.9	7/10/2006 09:00 AM	tlach
TCLP Metals-Mercury, TCLP	7471A	Mercury	<0.0020	mg/L	0.0020	7/7/2006 11:26 AM	dhemsley
TAL Metals-Mercury, Total	7471A	Mercury	0.067	mg/Kg	0.020	7/5/2006 01:57 PM	dhemsley
TCLP-Pesticides	8061	See Attached			n/a	7/6/2006 06:04 PM	tlindsay
PCB	8082	See Attached			n/a	7/7/2006 04:32 PM	tlindsay

The associated end calibrations in the confirmation column failed criteria, results may be biased high.

EMSL Analytical
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EMSL

Attn: **Ed Pearl**
Sierra Environmental Services, Inc.
PO Box 109
Marlton, NJ 08053
Fax: (856) 583-6004 Phone: (856) 688-9259

Customer ID: SENS62
Customer PO:
Received: 06/30/06 4:30 PM
EMSL Order: 010603433
EMSL Proj: Matteo-4-6
Report Date: 7/11/2006

TCLP-Herbicides	8151A	See Attached			n/a	7/7/2006 02:47 AM	tlindsay
TCLP-VOA	3260B	See Attached			n/a	7/8/2006 08:49 PM	skessler
TCLP-SVOA	8270C	See Attached			n/a	7/10/2006 04:08 PM	wfink
pH	90408	pH	6.97	ph Units	n/a	7/5/2006 01:45 PM	ssamayam

Client Sample Description Matteo Waste Pile A Matteo — *Collected:* 6/30/2005 2:31:00 PM — *Lab ID:* 0002

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
VOA	8260B	See Attached			n/a	7/6/2006 09:33 PM	skessler

Client Sample Description Matteo Waste Pile B Matteo — *Collected:* 6/30/2006 2:32:00 PM — *Lab ID:* 0003

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
VOA	8260B	See Attached			n/a	7/6/2006 10:17 PM	skessler

Client Sample Description Matteo Waste Pile C Matteo — *Collected:* 6/30/2006 2:33:00 PM — *Lab ID:* 0004

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
VOA	8260B	See Attached			n/a	7/6/2006 11:01 PM	skessler

Client Sample Description Matteo Waste Pile D Matteo — *Collected:* 6/30/2006 2:34:00 PM — *Lab ID:* 0005

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
VOA	8260B	See Attached			n/a	7/6/2006 11:45 PM	skessler

Client Sample Description Matteo Waste Pile E Matteo — *Collected:* 6/30/2006 2:35:00 PM — *Lab ID:* 0006

Test	*Method*	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date/Time*	*Analyst*
VOA	8260B	See Attached			n/a	7/7/2006 12:29 AM	skessler

EMSL Analytical Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	Matteo Waste
Lab Name:	EMSL ANALYTICAL		
EMSL Sample ID:	010603433-0001	Project:	Matteo-4-6
Lab File ID:	V070684.D	Sample Matrix:	Soils
Instrument ID:	GC/MS VOA#e	Sampling Date:	06/30/2006
Analyst:	SRK	Analysis Date	07/06/200e 20:49:00
GC Column:	RTX-502.2 (0.25 mm)	Level (low/mod):	MED
Sample wt/vol:	5.11 G	Nominal Amount:	100 µL
Extract Vol.	10000 (uL)	Aliquot Analyzed:	100 (ul)
Dilution Factor:	1	Method:	SW846 8260B
Sample Container:	Encore Sampler	Moisture(%)	9

CAS NO	COMPOUND	Report Limit (µg/Kg)	CONC. (µg/Kg)	Q
75-71-8	Dichlorodifluoromethane	540		U
74-87-3	Chloromethane	540		U
75-01-4	Vinyl chloride	640		U
74-83-9	Bromomethane	540		U
75-00-3	Chloroethane	540		U
75-69-4	Trichlorofluoromethane	540		U
75-35-4	1,1-Dichloroethano	110		U
67-64-1	Acetone	1100		U
75-15-0	Carbon disulfide	220		U
75-09-2	Methylene chloride	110		U
75-65-0	tart-Butyl Alcohol	1100		U
156-60-5	trans-1,2-Dichloroethene	110		U
1634-04-4	Methyl-tert bufyl ether	110		U
107-13-1	Acrylonitrile	220		U
75-34-3	1,1-Dichloroethane	110		U
594-20-7	2,2-Dichloropropane	110		U
156-59-2	cis-1,2-Dichloroethene	110		U
78-93-3	2-Butanono	1100		U
74-97-1	Bromochloromethane	110		U
67-68-3	Chloroform	110		U
71-55-6	1,1,1-Trichloroethana	110		U
56-23-1	Carbon tetrachloride	110		U
563-56-6	1,1-Dichloropropene	110		U
71-43-2	Benzene	110		U
107-06-2	1,2-Dichloroethane	110		U
79-01-6	Trichloroethene	110		U
78-87-1	1,2-Dichloropropana	110		U
74-95-3	Dibromomethane	110		U
75-27-4	Bromodichloromathane	110		U
10061-01-5	cis-1,3-Dichloropropane	110		U
105-10-1	4-Methyl-2-pentanone	1100		U
108-88-3	Toluone	110		U
10061-02-8	trana-1,3-Dichloropropane	110		U

EMSL Analytical Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	Matteo Waste
Lab Name:	EMSL ANALYTICAL		
EMSL Sample ID:	010B03433-0001	Project:	Matteo-4-6
Lab File ID:	V070684.D	Sample Matrix:	Soils
Instrument ID:	GC/MS VOA#5	Sampling Date:	06/30/2006
Analyst:	SRK	Analysis Date	07/06/2006 20:49:00
GC Column:	RTX-502.2 (0.25 mm)	Level (low/med):	MED
Sample wt/vol:	5.11 G	Nominal Amount:	100 µL
Extract Vol.	10000 (uL)	Aliquot Analyzed:	100 (ul)
Dilution Factor:	1	Method:	SW846 6260B
Sample Container:	Encore Sampler	Moisture(%)	9

CAS NO	COMPOUND	Report Limit (ug/Kg)	CONC. (µg/Kg)	Q
79-00-1	1,1,2-Trichloroethane	110		U
127-18-4	Tetrachloroethene	110		U
142-28-9	1,3-Dichloropropane	110		U
591-78-6	2-Hexanone	1100		U
124-48-1	Dibromochloromethane	110		U
106-93-4	1,2-Dibromoethane	110		U
108-90-7	Chlorobenzene	110		U
630-20-6	1,1,1,2-Tetrachloroethane	110		U
100-41-4	Ethylbenzene	110		U
106-38-3	Xylene (para & meta)	110		U
95-47-6	Xylene (Ortho)	110		U
100-42-1	Styrene	110		U
75-25-2	Bromoform	110		U
98-82-8	Isopropylbenzene	110		U
108-86-1	Bromobenzene	110		U
79-34-1	1,1,2,2-Tetrachloroethene	110		U
96-18-4	1,2,3-Trichloropropane	110		U
103-65-1	n-Propylbenzene	110		U
110-57-6	trans-1,4-Dichloro-2-butene	110		U
95-49-8	2-Chlorotoluene	110		U
106-43-4	4-Chlorotoluene	110		U
108-67-8	1,3,5-Trimethylbenzene	110		U
98-06-6	tert-Butylbenzene	110		U
95-63-6	1,2,4-Trimethylbenzene	110		U
135-98-8	sec-Butylbenzene	110		U
541-73-1	1,3-Dichlorobenzene	110		U
99-87-6	4-Isopropyltoluene	110		U
106-46-7	1,4-Dichlorobenzene	110		U
95-50-1	1,2-Dichlorobenzene	110		U
104-51-8	n-Butylbenzene	110		U
67-72-1	Hexachloroethane	110		U
96-12-8	1,2-Dibromo-3-chloropropane	110		U
120-82-1	1,2,4-Trichlorobenzene	110		U

EMSL Analytical Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	Matteo Waste
Lab Name:	EMSL ANALYTICAL		
EMSL Sample ID:	010803433-0001	Project:	Matteo-4-e
Lab File ID:	V070684.D	Sample Matrix:	Soils
Instrumant ID:	GC/MS VOA#6	Sampling Date:	06/30/2006
Analyst:	SRK	Analysis Date	07/06/2006 20:49:00
GC Column:	RTX-502.2 (0.25 mm)	Level (low/med):	MED
Sample wt/vol:	5.11 G	Nominal Amount:	100 µL
Extract Vol.	10000 (uL)	Aliquot Analyzed:	100 (ul)
Dilution Factor:	1	Method:	SW846 8260B
Sample Container:	Encore Sampler	Moisture(%)	9

CAS NO	COMPOUND	Report Limit (µg/Kg)	CONC. (µg/Kg)	Q
87-68-3	Hexachlorobutadiene	110		U
91-20-3	Naphthalana	110	520	
87-61-6	1,2,3-Trichlorobenzene	110		U

Qualifier Definitions
U = Undetected
B = Compound detected in method blank
E = Estimated value
J = Estimated concentration.
D = Dilution

EMSL Analytical Inc.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	Matteo Waste
Lab Name:	EMSL Analytical Inc.		
EMSL Sample ID:	010603433-0001	Project:	Matleo-4-8
Lab File ID:	C11054.D	Sample Matrix:	Soils
Instrument ID:	MSO-C	Sampling Date:	6/30/2006
Analyst:	WRF	Data Extracted:	7/10/2006
GC Column:	RTX-5SII MS (0.26 mm)	Analysis Dais	7/10/2006 16:08:00
Level (low/med):	LOW	Sample wt/vol:	100 ML
% Moisture:		Dilution Factor:	1
PH:		Cone. Extract Volume:	1000 (ul)
GPC Cleanup(Y/N):	N	Injection Volume:	1 (ul)
Method:	8270 TCLPABN		

CAS NO	COMPOUND	Report Limit (pg/L)	CONC. (µg/L)	Q
110-86-1	Pyridina	50		U
106-46-7	1,4-Dichlorobenzene	1.7		U
95-48-7	2-Methylphenol	7.1		U
106-44-5	3&4-Methylphenol	5.5		U
67-72-1	Hexachloroethane	3.2		U
96-95-3	Nitrobenzene	6.0		U
87-68-3	Hexachlorobutadiens	4.3		U
88-06-2	2,4,6-Trichlorophsnol	27		U
95-95-4	2,4,S-Trichlorophenol	12		U
121-14-2	2,4-Oinitrotoluene	4.4		U
118-74-1	Hexachlorobenzene	5.0		U
87-86-5	Pentachlorophenol	26		U

Qualifiar Definitions
U = Undetected
B = Compound detected in method blank
E = Estimated value
J = Estimated concentration.
O = Dilution

EMSL Analytical Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	Matteo Waste
Lab Name:	EMSL ANALYTICAL		
EMSL Sample ID:	010603433-0001T	Project:	Matteo-4-8
Lab File ID:	V070683.D	Sample Matrix:	Leachate
Instrument ID:	GC/MS VOA#8	Sampling Date:	06/30/2006
Analyst:	SRK	Analysis Date	07/06/2006 20:05:00
GC Column:	RTX-502.2 (0.25 mm)	Level (low/mad):	LOW
Sample wt/vol:	0.300 ML	Nominal Amount:	5 ML
Dilution Factor:	1	Method:	SW846 8260B/1311 TCLP

CAS NO	COMPOUND	Report Limit (µg/L)	CONC. (pg/L)	Q
75-01-4	Vinyl chloride	170		U
75-35-4	1,1-Dichloroethene	83		U
78-93-3	2-Butanone	170		U
67-66-3	Chloroform	83		U
56-23-1	Carbon tetrachloride	83		U
71-43-2	Benzene	83		U
107-06-2	1,2-Dichloroethane	83		U
79-01-6	Trichloroethene	83		U
127-18-4	Tetrachloroethane	83		U
108-90-7	Chlorobenzene	83		U

Qualifier Definitions
U = Undetected
B = Compound detected in method blank
E = Estimated value
J = Estimated concentration.
D = Dilution

EMSL Analytical Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	Matteo Waste Pile A
Lab Name:	EMSL ANALYTICAL		
EMSL Sample ID:	010603433-0002	Project:	Matteo-4-6
Lab File ID:	V070685.D	Sample Matrix:	Soils
Instrument ID:	GC/MS VOA#8	Sampling Date:	06/30/2006
Analyst:	SRK	Analysis Date	07/06/2006 21:33:00
GC Column:	RTX-602.2 (0.25 mm)	Level (low/med):	MED
Sample wt/vol:	5.13 G	Nominal Amount:	100 µL
Extract Vol.	10000 (uL)	Aliquot Analyzed:	100 (ul)
Dilution Factor:	1	Method:	SW846 8280B
Sample Container:	Encore Sampler	Moisture(%)	

CAS NO	COMPOUND	Report Limit (µg/Kg)	CONC. (pg/Kg)	Q
75-71-8	Dichlorodifluoromethane	490		U
74-87-3	Chloromethane	490		U
75-01-4	Vinyl chloride	490		U
74-83-9	Bromomethane	490		U
75-00-3	Chloroethane	490		U
75-69-4	Trichlomfloromethane	490		U
75-35-4	1,1-Dichloroethene	97		U
87-64-1	Acetone	970		U
75-15-0	Carbon disulfide	190		U
75-09-2	Methylene chloride	97		U
75-65-0	tert-Butyl Alcohol	970		U
156-60-5	trans-1,2-Dichloroethene	97		U
1634-04-4	Methyl-tert butyl ether	97		U
107-13-1	Acrylonitrile	190		U
75-34-3	1,1-Dichloroethane	97		U
594-20-7	2,2-Dichloropropane	97		U
156-59-2	cis-1,2-Dichloroethene	97		U
78-93-3	2-Butanone	970		U
74-97-1	Bromochloromethane	97		U
67-66-3	Chloroform	97		U
71-55-8	1,1,1-Trichloroethane	97		U
56-23-1	Cart on tetrachloride	97		U
563-58-6	1,1-Dichloropropene	97		U
71-43-2	Benzene	97		U
107-06-2	1,2-Dichloroethane	97		U
79-01-6	Trichloroethene	97		U
78-87-1	1,2-Dichloropropane	87		U
74-95-3	Dibromomethane	97		U
75-27-4	Bromodichloromethane	97		U
10061-01-5	cis-1,3-Dichloropropene	87		U
108-10-1	4-Methyl-2-pentanone	970		U
108-88-3	Toluene	97		U
10061-02-6	trans-1,3-Dichlorbpropene	97		U

EMSL Analytical Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	Matteo Waste Pile A
Lab Name:	EMSL ANALYTICAL		
EMSL Sample ID:	010603433-0002	Project:	Matteo-4-6
Lab File ID:	V070685.D	Sample Matrix:	Soils
Instrument ID:	GC/MS VOA#6	Sampling Date:	06/30/2006
Analyst:	SRK	Analysis Date	07/06/2006 21:33:00
GC Column:	RTX-502.2 (0.25 mm)	Level (low/med):	MED
Sample wt/vol:	5.13 G	Nominal Amount:	100 µL
Extract Vol.	10000 (uL)	Aliquot Analyzed:	100 (ul)
Dilution Factor:	1	Method:	SW846 8260B
Sample Container:	Encore Sampler	Moisture(%)	

CAS NO	COMPOUND	Report Limit (µg/Kg)	CONC. (pg/Kg)	Q
79-00-1	1,1,2-Trichloroethane	97		U
127-18-4	Tetrachloroethene	97		U
142-28-9	1,3-Dichloropropane	97		U
591-78-6	2-Hexanane	970		U
124-48-1	Dibromochloromethane	97		U
106-93-4	1,2-Dibromoethane	97		U
108-90-7	Chlorobenzene	97		U
630-20-6	1,1,1,2-Tetrachloroethane	97		U
100-41-4	Ethylbenzene	97		U
108-38-3	Xylene (para & meta)	97		U
95-47-6	Xylene (Ortho)	97		U
100-42-1	Styrene	97		U
75-25-2	Bromoform	97		U
98-82-8	Isopropylbenzene	97		U
108-86-1	Bromobenzene	97		U
79-34-1	1,1,2,2-Tetrachloroethane	97		U
96-18-4	1,2,3-Trichloropropane	97		U
103-65-1	n-Propylbenzene	97		U
110-57-6	trans-1,4-Dichloro-2-butene	97		U
95-49-8	2-Chlorotoluene	97		U
106-43-4	4-Chlorotoluene	97		U
108-67-8	1,3,5-Trimethylbenzene	97		U
99-06-6	tert-Butylbenzene	97		U
95-63-6	1,2,4-Trimethylbenzene	97		U
135-98-8	sec-Butylbenzene	97		U
541-73-1	1,3-Dichlorobenzene	97		U
99-87-6	4-Isopropyltoluene	97		U
106-46-7	1,4-Dichlorobenzene	97		U
95-50-1	1,2-Dichlorobenzene	97		U
104-51-8	n-Butylbenzene	97		U
67-72-1	Hexachloroethane	97		U
96-12-8	1,2-Dibromo-3-chloropropane	97		U
120-82-1	1,2,4-Trichlorobenzene	97		U

EMSL Analytical Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	Matteo Waste Pile A
Lab Name:	EMSL ANALYTICAL		
EMSL Sample ID:	010603433-6002	Project:	Matteo-4-6
Lab File ID:	V070e86.D	Sample Matrix:	Soils
Instrument ID:	GC/MS VOA#6	Sampling Date:	06/30/2006
Analyst:	SRK	Analysis Date	07/06/2006 21:33:00
GC Column:	RTX-502.2 (0.25 mm)	Level (low/med):	MED
Sample wt/vol:	5.13 G	Nominal Amount:	100 µL
Extract Vol.	10000 (uL)	Aliquot Analyzed:	100 (ul)
Dilution Factor:	1	Method:	SW846 8260B
Sample Container:	Encore Sampler	Moisture(%)	

CAS NO	COMPOUND	Report Limit (µg/Kg)	CONC. (µg/Kg)	Q
87-68-3	Hexachlorobutadiene	97		U
91-20-3	Naphthalene	97		U
87-61-6	1,2,3-Trichlorobenzene	97		U

Qualifier Definitions
U = Undetected
B = Compound detected in method blank
E = Estimated value
J = Estimated concentration.
D = Dilution

EMSL Analytical Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	Matteo Waste Pile B
Lab Name:	EMSL ANALYTICAL		
EMSL Sample ID:	010603433-0003	Project:	Matteo-4-S
Lab File ID:	V0708a6.D	Sample Matrix:	Soils
Instrument ID:	GC/MS VOA#6	Sampling Date:	06/30/2008
Analyst:	SRK	Analysis Date	07/06/2006 22:17:00
GC Column:	RTX-502.2 (0.25 mm)	Level (low/med):	MED
Sample wt/vol:	4.42 G	Nominal Amount:	100 µL
Extract Vol.	16000 (uL)	Aliquot Analyzed:	100 (ul)
Dilution Factor:	1	Method:	SW846 8260B
Sample Container:	Encore Sampler	Moisture(%)	

CAS NO	COMPOUND	Report Limit (pg/Kg)	CONC. (pg/Kg)	Q
75-71-8	Dichlomdifluoromethane	670		U
74-87-3	Chloromethane	670		U
75-01-4	Vinyl chloride	570		U
74-83-9	Bromomethane	570		U
75-00-3	Chloroethane	570		U
75-69-4	Trichlorofluoromethane	570		U
75-35-4	1,1-Dichloroethene	110		U
67-64-1	Acetone	1100		U
75-15-0	Carbon disulfide	230		U
75-09-2	Methylene chloride	110		U
75-65-0	tert-Butyl Alcohol	1100		U
156-60-5	trans-1,2-Dichloroethene	110		U
1634-04-4	Methyl-tert butyl ether	110		U
107-13-1	Acrylonitrile	230		U
75-34-3	1,1-Dichloroethane	110		U
594-20-7	2,2-Dichloropropane	110		U
156-59-2	cis-1,2-Dichloroethene	110		U
78-93-3	2-Butanone	1100		U
74-97-1	Bromochloromethane	110		U
67-66-3	Chloroform	110		U
71-55-6	1,1,1-Trichloroethane	110		U
56-23-1	Carbon tetrachloride	110		U
563-58-6	1,1-Dichloropropene	110		U
71-43-2	Benzene	110		U
107-06-2	1,2-Dichloroethane	110		U
79-01-6	Trichloroethene	110		U
78-87-1	1,2-Dichloropropane	110		U
74-95-3	Dibromomethane	110		U
75-27-4	Bromodichloromethane	110		U
10061-01-5	cis-1,3-Dichloropropene	110		U
108-10-1	4-Methyl-2-pentanone	1100		U
108-88-3	Toluene	110		U
10061-02-6	trans-1,3-Dichloropropone	110		U

EMSL Analytical Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	Matteo Waste Pile B
Lab Name:	EMSL ANALYTICAL		
EMSL Sample ID:	010603433-0003	Project:	Matteo-4-6
Lab File ID:	V070688.D	Sample Matrix:	Soils
Instrument ID:	GC/MS VOA#6	Sampling Data:	06/30/2006
Analyst:	SRK	Analysis Date	07/06/2006 22:17:00
GC Column:	RTX-502.2 (0.25 mm)	Level (low/mod):	MED
Sample wt/vol:	4.42 G	Nominal Amount:	100 µL
Extract Vol.	10000 (uL)	Aliquot Analysed:	100 (ul)
Dilution Factor:	1	Method:	SW846 82608
Sample Container:	Encore Sampler	Moisture(%)	

CAS NO	COMPOUND	Report Limit (µg/Kg)	CONC. (µg/Kg)	Q
79-00-1	1,1,2-Trichloroethane	110		U
127-18-4	Tetrachloroethene	110		U
142-28-9	1,3-Dichloropropane	110		U
591-78-6	2-Hexanone	1100		U
124-48-1	Dibromochloromalhane	110		U
106-93-4	1,2-Dibromoelhane	110		U
108-90-7	Chlorobenzana	110		U
630-20-6	1,1,1,2-Tetrachloroethane	110		U
100-41-4	Ethylbenzene	110		U
108-38-3	Xylene (para & meta)	110		U
95-47-6	Xylene (Ortho)	110		U
100-42-1	Styrene	110		U
75-25-2	Bromoform	110		U
98-82-8	Isopropylbenzene	110		U
108-86-1	Bromobenzene	110		U
79-34-1	1,1,2,2-Tetrachloroethane	110		U
96-18-4	1,2,3-Trichloropropane	110		U
103-65-1	n-Propylbanzene	110		U
110-57-6	trans-1,4-Dichloro-2-butene	110		U
95-49-8	2-Chlorotoluene	110		U
106-43-4	4-Chlorotoluene	110		U
108-67-8	1,3,5-Trimethylbenzene	110		U
98-06-6	tert-Butylbenzene	110		U
95-63-6	1,2,4-Trimethylbenzsne	110		U
135-98-8	sec-Butylbanzene	110		U
541-73-1	1,3-Dichlorobenzena	110		U
99-87-8	4-Isopropyltoluane	110		U
106-46-7	1,4-Dichlorobenzene	110		U
95-50-1	1,2-Dichlorobenzene	110		U
104-51-8	n-Butylbenzene	110		U
67-72-1	Hexachloroethane	110		U
96-12-8	1,2-Dibromo-3-chloropropane	110		U
120-82-1	1,2,4-Trichlorobenzone	110		U

EMSL Analytical Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	Matteo Waste Pile B
Lab Name:	EMSL ANALYTICAL		
EMSL Sample ID:	010603433-0003	Project:	Matteo-4-6
Lab File ID:	V070686.D	Sample Matrix:	Soils
Instrument ID:	GC/MS VOA#6	Sampling Data:	06/30/2006
Analyst:	SRK	Analysis Date	07/06/2006 22:17:00
GC Column:	RTX-602.2 (0.25 mm)	Level (low/med):	MED
Sample wt/vol:	4.42 G	Nominal Amount:	100 pL
Extract Vol.	10000 (uL)	Aliquot Analyzed:	100 (ul)
Dilution Factor:	1	Metliod:	SW846 8260B
Sample Container:	Encore Sampler	Moisture(%)	

CAS NO	COMPOUND	Report Limit (µg/Kg)	CONC. (pg/Kg)	0
87-68-3	Hexachlorobutadiene	110		U
91-20-3	Naphthalene	110	120	
87-61-6	1,2,3-Trichlorohanzene	110		U

Qualifier Definitions
U = Undetected
B = Compound detected in method blank
E = Estimated value
J = Estimated concentration.
D = Dilution

EMSL Analytical Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	Matteo Waste Pile C
Lab Name:	EMSL ANALYTICAL		
EMSL Sample ID:	010603433-0004	Project:	Matteo-4-6
Lab File ID:	V070687.D	Sample Matrix:	Soils
Instrument ID:	GC/MS VOA#6	Sampling Date:	06/30/2006
Analyst:	SRK	Analysis Date	07/06/2006 23:01:00
GC Column:	RTX-502.2 (0.25 mm)	Level (low/med):	MED
Sample wt/vol:	4.82 G	Nominal Amount:	100 µL
Extract Vol.	10000 (uL)	Aliquot Analyzed:	100 (ul)
Dilution Factor:	1	Method:	SW846 8260B
Sample Container:	Encore Sampler	Moisture(%)	

CAS NO	COMPOUND	Report Limit (pg/Kg)	CONC. (pg/Kg)	Q
75-71-8	Dichlorodifluoromethane	520		U
74-87-3	Chloromethane	520		U
75-01-4	Vinyl chloride	520		U
74-83-9	Bromomethane	520		U
75-00-3	Chloroethane	520		U
75-69-4	Trichlorofluoromethane	520		U
75-35-4	1,1-Dichloroethane	100		U
67-64-1	Acetone	1000		U
75-15-0	Carbon disulfide	210		U
75-09-2	Methylene chloride	100		U
75-65-0	tert-Butyl Alcohol	1000		U
156-60-5	trans-1,2-Dichloroethene	100		U
1634-04-4	Methyl-tert butyl ether	100		U
107-13-1	Acrylonitrile	210		U
75-34-3	1,1-Dichloroethane	100		U
594-20-7	2,2-Dichloropropane	100		U
156-59-2	cis-1,2-Dichloroethene	100		U
78-93-3	2-Butanone	1000		U
74-97-1	Bromochloromethane	100		U
67-66-3	Chloroform	100		U
71-55-6	1,1,1-Trichloroethane	100		U
55-23-1	Carbon tetrachloride	100		U
563-56-6	1,1-Dichloropropene	100		U
71-43-2	Benzene	100		U
107-06-2	1,2-Dichloroethane	100		U
79-01-6	Trichloroethene	100		U
78-87-1	1,2-Dichloropropane	100		U
74-95-3	Dibromomethane	100		U
75-27-4	Bromodichloromethane	100		U
10061-01-5	cis-1,3-Dichloropropene	100		U
108-10-1	4-Methyl-2-pentanone	1000		U
108-88-3	Toluene	100		U
10061-02-6	trans-1,3-Dichloropropene	100		U

EMSL Analytical Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	Matteo Waste Pile C
Lab Name:	EMSL ANALYTICAL		
EMSL Sample ID:	010803433-0004	Project:	Matteo-4-6
Lab File ID:	V0706a7.D	Sample Matrix:	Soils
Instrument ID:	GC/MS VOA#8	Sampling Date:	06/30/2008
Analyst:	SRK	Analysis Date	07/08/2008 23:01:00
GC Column:	RTX-502.2 (0.25 mm)	Level (low/med):	MED
Sample wt/vol:	4.82 G	Nominal Amount:	100 µL
Extract VoL	10000 (uL)	Aliquot Analyzed:	100 (ul)
Dilution Factor:	1	Method:	SW846 8260B
Sample Container:	Encore Sampler	Moisture(%)	

CAS NO	COMPOUND	Report Limit (µg/Kg)	CONC. (pg/Kg)	Q
79-00-1	1,1,2-Trichloroethane	100		U
127-18-4	Tetrachloroethene	100		U
142-28-9	1,3-Dichloropropane	100		U
591-78-6	2-Hexanone	1000		U
124-48-1	Dibromochloromethane	100		U
106-93-4	1,2-Dibromoethane	100		U
108-90-7	Chlorobenzene	100		U
630-20-6	1,1,1,2-Tetrachloroethane	100		U
100-41-4	Ethylbenzene	100		U
108-38-3	Xylene (pars & meta)	100		U
95-47-6	Xylene (Ortho)	100		U
100-42-1	Styrene	100		U
75-25-2	Bromoform	100		U
98-82-8	Isopropylbenzene	100		U
108-86-1	Bromobenzene	100		U
79-34-1	1,1,2,2-Tetrachloroethane	100		U
96-18-4	1,2,3-Trichloropropane	100		U
103-65-1	n-Propylbenzene	100		U
110-57-6	trans-1,4-Dichloro-2-butene	100		U
95-49-8	2-Chlorotoluene	100		U
106-43-4	4-Chlorotoluene	100		U
108-67-8	1,3,5-Trimethylbenzene	100		U
98-06-6	tert-Butylbenzene	100		U
95-63-6	1,2,4-Trimethylbenzene	100		U
135-98-8	sec-Butylbenzene	100		U
541-73-1	1,3-Dichlorobenzene	100		U
99-87-6	4-isopropyltoluene	100		U
106-46-7	1,4-Dichlorobenzene	100		U
95-50-1	1,2-Dichlorobenzene	100		U
104-51-8	n-Butylbenzene	100		U
67-72-1	Hexachloroethane	100		U
96-12-8	1,2-Dibromo-3-chloropropane	100		U
120-82-1	1,2,4-Trichlorobenzene	100		U

EMSL Analytical Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	Matteo Waste Pile C
Lab Name:	EMSL ANALYTICAL		
EMSL Sample ID:	010603433-0004	Project:	Matteo-4-6
Lab File ID:	V0706B7.D	Sample Matrix:	Soils
Instrument ID:	GC/MS VOA#6	Sampling Date:	06/30/2006
Analyst:	SRK	Analysis Date	07/08/2006 23:01:00
OC Column:	RTX-502.2 (0.25 mm)	Level (low/med):	MEO
Sample wt/vol:	4.82 G	Nominal Amount:	100 µL
Extract VoL	10000 (uL)	Aliquot Analyzed:	100 (ul)
Dilution Factor:	1	Method:	SW846 6260B
Sample Container:	Encore Sampler	Moisture(%)	

CAS NO	COMPOUND	Report Limit (µg/Kg)	CONC. (pg/Kg)	Q
87-68-3	Hexachlorobutadiene	100		U
91-20-3	Naphthalene	100		U
87-61-6	1,2,3-Trichlorobenzene	100		U

Qualifier Definitions
U = Undetected
B = Compound detected in method blank
E = Estimated value
J = Estimated concentration.
D = Dilution

EMSL Analytical Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sampled:	Matteo Waste Pile D
Lab Name:	EMSL ANALYTICAL		
EMSL Sample ID:	010863433-0005	Project:	Matteo-4-6
Lab File ID:	V870688.D	Sample Matrix:	Soils
Instrument ID:	GC/MS VOA#8	Sampling Date:	06/30/2006
Analyst:	SRK	Analysis Date	07/06/2006 23:45:00
GC Column:	RTX-502.2 (0.25 mm)	Level (low/med):	MED
Sample wt/vol:	5.41 G	Nominal Amount:	100 µL
Extract Vol.	10000 (uL)	Aliquot Analyzed:	100 (ul)
Dilution Factor:	1	Method:	SW846 8260B
Sample Container:	Encore Sampler	Moisture(%)	

CAS NO	COMPOUND	Report Limit (µg/Kg)	CONC. (pg/Kg)	Q
75-71-8	Dichlorodifluoromethane	460		U
74-87-3	Chloromethane	460		U
75-01-4	Vinyl chloride	460		U
74-83-9	Bromomethane	460		U
75-00-3	Chloroethane	460		U
76-69-4	Trichlorofluoromethane	460		U
75-35-4	1,1-Dichloroethene	92		U
67-64-1	Acetone	920		U
75-15-0	Carbon disulfide	180		U
75-09-2	Methylene chloride	92		U
76-65-0	tert-Butyl Alcohol	920		U
156-60-5	trans-1,2-Dichloroethene	92		U
1634-04-4	Methyl-tert butyl ether	92		U
107-13-1	Acrylonitrile	180		U
75-34-3	1,1-Dichloroethane	92		U
594-20-7	2,2-Dichloropropane	92		U
156-59-2	cis-1,2-Dichloroethene	92		U
78-93-3	2-Butanone	920		U
74-97-1	Bromochloromethane	92		U
67-66-3	Chloroform	92		U
71-55-6	1,1,1-Trichloroethane	92		U
56-23-1	Carbon tetrachloride	92		U
563-58-6	1,1-Dichloropropane	92		U
71-43-2	Benzene	92		U
107-06-2	1,2-Dichloroethane	92		U
79-01-6	Trichloroethene	92	320	
78-87-1	1,2-Dichloropropane	92		U
74-95-3	Dibromomethane	92		U
75-27-4	Bromodichloromethane	92		U
10061-01-5	cis-1,3-Dichloropropene	92		U
108-10-1	4-Methyl-2-pentanone	920		U
108-88-3	Toluene	92		U
10061-02-6	trans-1,3-Dichloropropene	92		U

EMSL Analytical Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	Matteo Waste Pile D
Lab Name:	EMSL ANALYTICAL		
EMSL Sample ID:	010603433-0005	Project:	Matteo-4-6
Lab File ID:	V070688.D	Sample Matrix:	Spils
Instrument ID:	GC/MS VOA#6	Sampling Date:	06/30/2006
Analyst:	SRK	Analysis Data	07/06/2006 23:45:00
GC Column:	RTX-502.2 (0.25 mm)	Level (low/med):	MED
Sample wt/vol:	5.41 G	Nominal Amount:	100 µL
Extract Vol.	10000 (uL)	Aliquot Analyzed:	100 (ul)
Dilution Factor:	1	Method:	SW846 62608
Sample Container:	Encore Sampler	Moisture(%)	

CAS NO	COMPOUND	Report Limit (µg/Kg)	CONC. (pg/Kg)	Q
79-00-1	1,1,2-Trichloroethane	92		U
127-18-4	Tetrachloroethene	92		U
142-28-9	1,3-Dichloropropane	92		U
591-78-6	2-Hexanone	920		U
124-48-1	Dibromochloromethane	92		U
106-93-4	1,2-Dibromoethane	92		U
108-90-7	Chlorobenzene	92		U
630-20-6	1,1,1,2-Tetrachloroethane	92		U
100-41-4	Ethylbenzene	92	180	
108-38-3	Xylene (para & meta)	92	520	
95-47-6	Xylene (Ortho)	92		U
100-42-1	Styrene	92		U
75-25-2	Bromoform	92		U
98-82-8	Isopropylbenzene	92		U
108-85-1	Bromobenzene	92		U
79-34-1	1,1,2,2-Tetrachloroethane	92		U
96-18-4	1,2,3-Trichloropropane	92		U
103-65-1	n-Propylbenzene	92		U
110-57-6	trans-1,4-Dichloro-2-butene	92		U
95-49-8	2-Chlorotoluene	92		U
106-43-4	4-Chlorotoluene	92		U
108-67-8	1,3,5-Trimethylbenzene	92		U
98-06-6	tert-Butylbenzene	92		U
95-63-6	1,2,4-Trimethylbenzene	92		U
135-98-8	sec-Butylbenzene	92		U
541-73-1	1,3-Dichlorobenzene	92		U
99-87-6	4-Isopropyltoluene	92		U
106-46-7	1,4-Dichlorobenzene	92		U
95-50-1	1,2-Dichlorobenzene	92		U
104-51-8	n-Butylbenzene	92		U
67-72-1	Hexachloroethane	92		U
96-12-8	1,2-Dibromo-3-chloropropane	92		U
120-82-1	1,2,4-Trichlorobenzene	92		U

EMSL Analytical Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	Matteo Waste Pile D
Lab Name:	EMSL ANALYTICAL		
EMSL Sample ID:	010603433-0005	Project:	Matteo-4-6
Lab File ID:	V070688.D	Sample Matrix:	Soils
Instrument ID:	GC/MS VOA#6	Sampling Date:	06/30/2006
Analyst:	SRK	Analysis Date	07/06/2006 23:45:00
GC Column:	RTX-502.2 (0.25 mm)	Level (low/med):	MED
Sample wt/vol:	5.41 G	Nominal Amount:	100 µL
Extract Vol.	10000 (uL)	Aliquot Analyzed:	100 (ul)
Dilution Factor:	1	Method:	SW846 8260B
Sample Container:	Encore Sampler	Moisture(%)	

CAS NO	COMPOUND	Report Limit (pg/Kg)	CONC. (ug/Kg)	Q
87-68-3	Hexachlorobutadiene	92		U
91-20-3	Naphthalene	92		U
87-61-8	1,2,3-Trichlorobenzene	92		U

Qualifier Definitions
U = Undetected
B = Compound detected in method blank
E = Estimated value
J = Estimated concentration.
D = Dilution

EMSL Analytical Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	Matteo Waste Pile E
Lab Name:	EMSL ANALYTICAL		
EMSL Sample ID:	010603433-0006	Project:	Matteo-4-6
Lab File ID:	V070689.D	Sample Matrix:	Soils
Instrument ID:	GC/MS VOA#8	Sampling Date:	06/30/2006
Analyst:	SRK	Analysis Date	07/07/2006 00:29:00
GC Column:	RTX-502.2 (0.25 mm)	Level (low/med):	MED
Sample wt/vol:	3.86 G	Nominal Amount:	100 pL
Extract VoL	10000 (uL)	Aliquot Analyzed:	100 (ul)
Dilution Factor:	1	Method:	SWB46 8260B
Sample Container:	Encore Sampler	Moisture(%)	

CAS NO	COMPOUND	Report Limit (µg/Kg)	CONC. (pg/Kg)	Q
75-71-8	Dichlorodifluoromethane	650		U
74-87-3	Chloromethane	650		U
75-01-4	Vinyl chloride	650		U
74-83-9	Bromomethane	650		U
75-00-3	Chloroethane	650		U
75-69-4	Trichlorofluoromethane	650		U
75-35-4	1,1-Dichloroethene	130		U
67-64-1	Acetone	1300		U
75-15-0	Carbon disulfide	260		U
75-09-2	Methylene chloride	130		U
75-65-0	tert-Butyl Alcohol	1300		U
158-60-5	trans-1,2-Dichloroethene	130		U
1634-04-4	Methyl-tert butyl ether	130		U
107-13-1	Acrylonitrile	260		U
75-34-3	1,1-Dichloroethane	130		U
594-20-7	2,2-Dichloropropane	130		U
156-59-2	cis-1,2-Dichloroethene	130		U
78-93-3	2-Butanone	1300		U
74-97-1	Bromochloromethane	130		U
67-66-3	Chloroform	130		U
71-55-6	1,1,1-Trichloroethane	130		U
56-23-1	Carbon tetrachloride	130		U
563-68-6	1,1-Dichloropropene	130		U
71-43-2	Benzene	130		U
107-06-2	1,2-Dichloroethane	130		U
79-01-6	Trichloroethene	130		U
78-87-1	1,2-Dichloropropane	130		U
74-95-3	Dibromomethane	130		U
75-27-4	Bromodichloromethane	130		U
10061-01-5	cis-1,3-Dichloropropene	130		U
108-10-1	4-Methyl-2-pentanone	1300		U
108-88-3	Toluene	130		U
10061-02-6	trans-1,3-Dichloropropene	130		U

EMSL Analytical Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	Matteo Waste Pile E
Lab Name:	EMSL ANALYTICAL		
EMSL Sample ID:	010803433-0008	Project:	Matteo-4-6
Lab File ID:	V070689.D	Sample Matrix:	Soils
Instrument ID:	GC/MS VGA#6	Sampling Date:	06/30/2006
Analyst:	SRK	Analysis Date	07/07/2006 00:29:00
GC Column:	RTX-502.2 (0.25 mm)	Level (low/mod):	MED
Sample wt/vol:	3.86 G	Nominal Amount:	100 µL
Extract VoL	10000 (uL)	Aliquot Analyzed:	100 (ul)
Dilution Factor:	1	Method:	SW846 8260B
Sample Container:	Encore Sampler	Moisture(%)	

CAS NO	COMPOUND	Report Limit (µg/Kg)	CONC. (µg/Kg)	Q
79-00-1	1,1,2-Trichloroethane	130		U
127-18-4	Tetrachloroethene	130		U
142-28-9	1,3-Dichloropropane	130		U
591-78-6	2-Hexanone	1300		U
124-48-1	Dibromochloromethane	130		U
106-93-4	1,2-Dibromoethane	130		U
108-90-7	Chlorobenzene	130		U
630-20-6	1,1,1,2-Tetrachloroethane	130		U
100-41-4	Ethylbenzene	130		U
108-38-3	Xylene (para & meta)	130		U
95-47-8	Xylene (Ortho)	130		U
100-42-1	Styrene	130		U
75-25-2	Bromoform	130		U
98-82-8	Isopropylbenzene	130		U
108-86-1	Bromobenzene	130		U
79-34-1	1,1,2,2-Tetrachloroethane	130		U
96-18-4	1,2,3-Trichloropropane	130		U
103-65-1	n-Propylbenzene	130		U
110-57-6	trans-1,4-Dichloro-2-butene	130		U
95-49-8	2-Chlorotoluene	130		U
106-43-4	4-Chlorotoluene	130		U
108-67-8	1,3,5-Trimethylbenzene	130		U
98-06-6	tert-Butylbenzene	130		U
95-63-6	1,2,4-Trimethylbenzene	130		U
135-98-8	sec-Butylbenzene	130		U
541-73-1	1,3-Dichlorobenzene	130		U
99-87-6	4-Isopropyltoluene	130		U
106-46-7	1,4-Dichlorobenzene	130		U
95-50-1	1,2-Dichlorobenzene	130		U
104-51-8	n-Butylbenzene	130		U
67-72-1	Hexachloroethane	130		U
96-12-8	1,2-Dibromo-3-chloropropane	130		U
120-82-1	1,2,4-Trichlorobenzene	130		U

EMSL Analytical Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	Matteo Waste Pile E
Lab Name:	EMSL ANALYTICAL		
EMSL Sample ID:	010603433-0006	Project:	Matteo-4-6
Lab File ID:	V070689.D	Sample Matrix:	Soils
Instrument ID:	GC/MS VOA#S	Sampling Date:	06/30/2006
Analyst:	SRK	Analysis Date	07/07/2006 00:29:00
GC Column:	RTX-502.2 (0.25 mm)	Level (low/med):	MED
Sample wt/vol:	3.86 G	Nominal Amount:	100 µL
Extract Vol.	10000 (uL)	Aliquot Analyzed:	100 (ul)
Dilution Factor:	1	Method:	SW846 8260B
Sample Container:	Encore Sampler	Moisture(%)	

CAS NO	COMPOUND	Report Limit (µg/Kg)	CONC. (pg/Kg)	Q
87-68-3	Hexachlorobutadiene	130		U
91-20-3	Naphthalene	130		U
87-61-6	1,3,3-Triohlorobenzena	130		U

Qualifier Definitions
U = Undetected
B = Compound detected in method blank
E = Estimated value
J = Estimated concentration.
D = Dilution

EMSL Analytical Inc.

PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	Matteo Waste Pile-COMP
Lab Name:	EMSL Analytical		
EMSL Sample ID:	010603433-0001	Project:	Matteo-4-6
Lab File ID:	DS927.D	Sample Matrix:	Soils
Instrument ID:	D	Sampling Date:	6/30/2006
Analyst:	TL	Date Extracted:	7/6/2006
GC Column:	CLPest I (0.32 mm)	Analysis Date	7/6/2006 6:04:00 PM
GC Column 2:	CLPest II (0.32 mm)	Sample wt/vol:	150 ML
% Moisture:		Dilution Factor:	1
PH:		Concentrated Extract Vol:	10 (ml)
GPC Cleanup(Y/N):	N	Injection Volume:	1 (ul)
Extraction Type:	SepF	Sulfur Cleanup:	N
Method:	SW846 8081/8082		

CAS NO	COMPOUND	Report Limit (µg/L)	CONC. (pg/L)	Q
58-89-9	gamma-BHC	1.0		U
76-44-8	Heptachlor	1.0		U
1024-57-3	Haptachlor Epoxide	1.0		U
72-20-6	Endrin	1.0		U
72-43-5	Methoxychlor	2.0		U
12674-11-2	Toxaphene	7.0		U
57-74-9	Tech Chlordane	2.0		U

Qualifier Definitions
U = Undetected
B = Compound detected in method blank
E = Estimated value
D = Dilution
P = Results between the two columns differ >40%

EMSL Analytical Inc.

PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	Matteo Waste Pile-COMP
Lab Name:	EMSL Analytical		
EMSL Sample ID:	010603433-0001	Project:	Matteo-4-6
Lab File ID:	G9311.0	Sample Matrix:	Soils
Instrument ID:	G	Sampling Date:	6/30/2006
Analyst:	TL	Date Extracted:	7/6/2006
GC Column:	CLPest I (0.32 mm)	Analysis Date	7/7/2006 4:32:00 PM
GC Column 2:	CLPest II (0.32 mm)	Sample wt/vol:	30.07 G
% Moisture:	9	Dilution Factor:	1
PH:		Concentrated Extract Vol:	10 (ml)
GPC Cleanup(Y/N):	N	Injection Volume:	1 (ul)
Extraction Type:	Sonc	Sulfur Cleanup:	Y
Method:	SW846 8081/8082		

CAS NO	COMPOUND	Report Limit (µg/Kg)	CONC. (µg/Kg)	Q
12674-11-2	Aroclor-1016	37		U
11104-26-2	Aroclor-1221	37		U
11141-16-5	Aroclor-1232	37		U
53469-21-9	Aroclor-1242	37		U
12672-29-6	Aroclor-1245	37		U
11097-69-1	Aroclor-1254	37	580	
11096-82-5	Aroclor-1260	37		U

Qualifier Definitions
U = Undetected
B = Compound detected in method blank
E = Estimated value
D = Dilution
P = Results between the two columns differ >40%

EMSL Analytical, Inc.
Chemistry Lab
3 Cooper St, Westmont, NJ 08108
TEL: (856) 858-4800 FAX: (855) 858-4571

Chain of Custody / Analysis Request Form

Print ALL Information. Put N/A in blanks not applicable

EMSL Project # 010603433
Account Rep:
Indicate State where samples collected:

REPORT RESULTS TO:	SEND INVOICE TO:	TURNAROUND TIME
Name: SIERRA ENV. / ED PERREL	Name: SAME PO#:	Date Results needed by:
Company: SIERRA ENV.	Company	*Standard 6-10 days or 2 weeks ☐ *11-15 days or 3 weeks ☐ *16-21 days or 4 weeks ☐
Address PO BOX 109	Address	The following tarnaround times require lab approval:
City MARLTON, NJ 08053	City	☐ *4-5 days or 1week: ☐ 72 Hrs ☐ 48 Hrs
State NJ ZIP	State ZIP	☐ 24 Hrs Approved by
TEL: 856-625-7129 FAX: 856-583-6004	TEL: FAX:	*same price and tat for weeks or days
Sampled by: (Signature) J.L. GALLAGHER ED PERREL	# of Samples In Shipment: 7	Date of Sample Shipment:

Samples submitted are subject to EMSL's standard terms and conditions of service

	Sample Number	Station Location /Sample ID	COMP	GRAB	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	Method Preserved: HCL	HNO3	H2SO4	ICE	OTHER	Sampling Date	Sampling Time	List Test Needed: 1GA, Coal, Phenol	TCLP METALS	TOTAL METALS (TCLP)	HCB + PCB	VOA-TCLP	SVOC-TCLP	PCB
		MATTEO SITE																					
1.		MATEO WASTE PILE	X			X									6-30	2:30	✓	✓	✓	✓	✓	✓	✓
2.		COMPOSITE (2 pts)																					
3.																							
4.		MATEO WASTE PILE A		X		X									6-30	2:31				TVOC	✓		
5.		MATEO WASTE PILE B		X		X									6-30	2:32			6-30 DK		✓		
6.		MATEO WASTE PILE C		X		X									6:30	2:33					✓		
7.		MATEO WASTE PILE D		X		X									6:30	2:34				✓	✓		
8.		MATEO WASTE PILE E		X		X									6:30	2:35					✓		
9.																							
10.																							

Released By Signature	Date & Time Released	Delivery Method	Received By Signature	Agency	Date & Time Received	Conditions Noted
[illegible]	6-30-06 2:45P		[illegible]	EMSL	6-30-06 1645	
[illegible]	6-30-06 1630		[illegible]	[illegible]	6/30/06 1630	4°C [illegible]

Comments: #1 [illegible] recorded. No 202 [illegible] 6/30/06
Left message about [illegible] 6/30/06
Rec'd [illegible] NO TS - [illegible] for VOA. [illegible] 6/30

Please indicate reporting requirements: ☐ 1. Results Only ☐ 2. Results and QC ☐ 3. Reduced Deliverable ☐ 4. Deliverable

APPENDIX D

HAZARDOUS WASTE MANIFESTS

Matteo Iron & Metal Site

12-Sep-06

Summary of Hazardous Wastes Manifests

Manifest No	License No	Driver	Truck No	Weight
NJA 5314731	AllState	Robert Martinez	Can V25-1	
NJA 5314744	AJ68T	Edgar Flores	19	43500
NJA 5314745	AJ20D	Eddy Flores	14	54520
NJA 5314746	AE2996	Luis Centino	8	47800
NJA 5314747	AJ137N	Rolando Cruz	4	48860
NJA 5314748	AG708K	Ralph Hernandez	17	50700
NJA 5314749	AJ119G	William Irwin	9	49980
NJA 5314750	AJ119G	William Irwin	9	31400
NJA 5314751	AJ700A	B. Campbell	15	45280
NJA 5314752	AJ20D	Eddy Flores	14	47980
NJA 5314753	AJ68T	Edgar Flores	19	38020
NJA 5314754	AJ137N	Rolando Cruz	4	51000
NJA 5314755	AE2996	Luis Centino	8	44380
NJA 5314756	AJ119G	William Irwin	9	45200
NJA 5314757	AJ700A	B. Campbell	15	54520
NJA 5314758		Ed C.	5	49340
NJA 5314759	AJ20D	Eddy Flores	14	47000
NJA 5314760	AJ68T	Edgar Flores	19	48680
NJA 5314761	AJ137N	Rolando Cruz	4	46400
NJA 5314762	AJ119G	William Irwin	9	46120
				890680 lbs
				445.34 tons

State of New Jersey
Department of Environmental Protection
Hazardous Waste Regulation Program
Manifest Section
P.O. Box 414, Trenton, NJ 08625-0414

EMERGENCY CONTACT: 856-825-7829

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NJR000053702 | Manifest Document No.: 1962B
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
MATTED BROS. RECYCING
1572 CROWN POINT ROAD THOROFARE NJ 08086
4. Generator's Phone (856) 825-7829

A. State Manifest Document Number: NJA 5314731
B. State Generator's ID (Gen. Site Address): 1572 CROWN POINT ROAD THOROFARE NJ 08086

5. Transporter 1 Company Name: ALLSTATE POWER-VAC
6. US EPA ID Number: NJD003812042
C. State Trans. ID-NJDEP: 51074 Decal No.: 082086

7. Transporter 2 Company Name
8. US EPA ID Number
D. Transporter's Phone: (732) 815-0220
E. State Trans. ID-NJDEP
Decal No.
F. Transporter's Phone ( )

9. Designated Facility Name and Site Address
CLEAN EARTH OF NORTH JERSEY, INC.
105 JACOBUS AVENUE
SOUTH KEARNY, NJ 07032
10. US EPA ID Number: NJD982126115
G. State Facility's ID
H. Facility's Phone: (973) 344-4004

	11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a.	X RQ HAZARDOUS WASTE SOLID, NOS (EPA D008) 9 NA 3077 PG: III	1		EST XXX25 Y		D008
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above
a. EXS 100% SOIL
c. CONT. APP. 013557 (a) 1.017

K. Handling Codes for Wastes Listed Above
a. T04
b.
d.

15. Special Handling Instructions and Additional Information
CAN# V25-1

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: SCOTT WELSH AGENT AS AUTHORIZED AGENT OF GENERATOR
Signature
Month Day Year: 07 07 06

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Robert Martinez
Signature
Month Day Year: 07 07 06

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

19. Discrepancy Indication Space
RECEIVED PENDING MANIFEST REVIEW AND QUALITY CONTROL
Ref 9720

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Doug Moist
Signature
Month Day Year: 07 07 06

GENERATOR
TRANSPORTER
FACILITY

NJA 5314731

EPA Form 8700-22

SIGNATURE AND INFORMATION MUST BE LEGIBLE ON ALL COPIES

3—TED MAIL TO GENERATOR

EVENUE TICKET # 119626

PAGE # 1 OF 1

CLEANEARTH of North Jersey, Inc.
115 JACOBUS AVENUE • SOUTH KEARNY, NJ 07032
(973) 344-4004

CUSTOMER # 013557
CUSTOMER SIERRA ENVIRUNHENTAL
CONTACT SCUTT WLLSH
PHONE 856-626-7829

JOB SITE HATTED BROS RECYCLING
1692 CROWN POINT ROAD
THOROFARE
NJ 08086

EPA ID. # NJR000063370

ZONE B

DRIVER

TRACTOR # ALLSTATE POWER

TRAILER # -VAC

IN / OUT

MANIFEST NJA5314731

DATE RECEIVED / /

NUMBER OF (CIRCLE ONE) DRUMS/GALS/YARDS

☐ PULL ☐ PICK-UP ☐ PULL/REPLACE ☐ PUMP TANK ☐ OTHER
☐ DELIVER ☒ IN/WITH ☐ DELIVER/WAIT & PULL ☐ PUMP DRUMS

OTHER:

PURCHASE ORDER #

CLEAN EARTH TO PROVIDE	YES	NO	#	CLEAN EARTH TO PROVIDE	YES	NO	#	CLEAN EARTH TO PROVIDE	YES	NO	#
MANIFEST	Y			LINER		N		LIFT		N	
HAZ LABEL	Y			MT. DRUM		N		XTRA HOSE		N	
DOT LABEL	Y			OVERPACK		N		HELPER		N	

C.O.D. AMOUNT CHECK #

GROSS WEIGHT

TARE WEIGHT

NET WEIGHT

DEPARTED S. & W.	ARRIVED AT CUST.	DEPARTED CUST.	ARRIVED AT S. & W.
TIME ☐ AM ☐ PM	TIME ☐ AM ☐ PM	TIME ☐ AM ☐ PM	TIME ☐ AM ☐ PM

REQ. E.T.A. POS. E.T.A.

	NO. AND TYPES CONT.	WASTE DESCRIPTION	APP.#	PRC. #		NO. AND TYPES CONT.	WASTE DESCRIPTION	APP.#	PRC. #
I	20.00 YD	SOIL D008	007		III				
II					IV				

COMMENTS: ALLSTATE TRANSPORT FOR CUST.

WASTE

ALLSTATE POWER-VAC TRANSPORTING FOR CENJ

SCHEDULED DATE 07/07/06

THE UNDERSIGNED AGREES THAT THE ABOVE SERVICE INFORMATION IS CORRECT

CUSTOMER SIGNATURE PRINTED NAME SCOTT WELSH DATE 7/7/06

	NO. OF CONTAINERS	CONT TYPE	PROPER D.O.T. SHIPPING NAME	WASTE TYPE	DISPOSAL SITE(S)	TRA	MANIFEST # (S)	DISPOSAL SITE(S)	TRA	MANIFEST # (S)
A			RQ HAZARDOUS WASTE SOLID, NOS	D008						
				APP 007						
	COMPLETED ON:		BY:							
B										
	COMPLETED ON:		BY:							
C										
	COMPLETED ON:		BY:							
D										
	COMPLETED ON:		BY:							

DATE COMPLETED: OPERATIONS DEPARTMENT SIGNOFF:

MATTEO STOCKPILE #1

State of New Jersey
Department of Environmental Protection
Hazardous Waste Regulation Program
Manifest Section
P.O. Box 414, Trenton, NJ 08625-0414

EMERGENCY CONTACT: 856-625-7829

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NJR000055352 — Manifest Document No.: 1974
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
MATTEO BROS. RECYCLING
1692 CROWN POINT ROAD THOROFARE NJ 08086
4. Generator's Phone (856) 625-7829

A. State Manifest Document Number: NJA 5314744
B. State Generator's ID (Gen. Site Address): 1692 CROWN POINT ROAD THOROFARE NJ 08086

5. Transporter 1 Company Name: J & D TRUCKING INC.
6. US EPA ID Number: NJR000002929
C. State Trans. ID-NJDEP: 50101
Decal No.: 6893 59

7. Transporter 2 Company Name
8. US EPA ID Number
D. Transporter's Phone: 856-491-5145
E. State Trans. ID-NJDEP
Decal No.: 69630

9. Designated Facility Name and Site Address
CLEAN EARTH OF NORTH JERSEY, INC.
105 JACOBUS AVENUE
SOUTH KEARNY, NJ 07032
10. US EPA ID Number: NJD982129115
F. Transporter's Phone
G. State Facility's ID: 120
H. Facility's Phone (973) 344-1005

11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)	HM		12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a.	X	RQ HAZARDOUS WASTE SOLID, NOS (EPA D008) 9 NA 3077 PG: III	001	DM	00022	K	D008
b.							
c.							
d.							

J. Additional Descriptions for Materials Listed Above
E/S 1042 SOIL
CERT APP.015537 (a):007
a. c.
b. d.

K. Handling Codes for Wastes Listed Above
T-Treatment
a. c.
b. d.

15. Special Handling Instructions and Additional Information
AJ 685T

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name: SCOTT WILSON AS AGENT OF GENERATOR — Signature — Month Day Year: 07/14/06

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Edgar Flores — Signature — Month Day Year: 07/14/06

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

FACILITY

19. Discrepancy Indication Space
RECEIVED PENDING MANIFEST REVIEW AND QUALITY CONTROL

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name — Signature — Month Day Year: 07/14/06

EPA Form 8700-22

SIGNATURE AND INFORMATION MUST BE LEGIBLE ON ALL COPIES

3 — TO MAIL TO GENERATOR

PAGE # 1 OF 1

CLEANEARTH of North Jersey, Inc.

GENERATOR Mattero

MAN. NO. NJA 5314744

TRANSPORTER J & D

VEHICLE ID. 19

DRIVER ON OFF

REMARKS:

IN

68620 LB

09:32 AM 07/14/06

OUT

26120 LB

11:12 AM 07/14/06

43500

WEIGHER

WEIGH-TRONIX

WANTED GROUP RECYCLING
MAIN POINT ROAD
E
06
R000063570 ZONE 8

[redacted]

E ORDER #

[redacted]

POS. E.T.A.

TE DESCRIPTION	APP.#	PRC. #

SCHEDULED DATE 07/13/06

[redacted]

	NO. OF CONTAINERS	CONT. TYPE	PROPER D.O.T. SHIPPING NAME	WASTE TYPE	DISPOSAL SITE(S)	T R A	MANIFEST # (S)	DISPOSAL SITE(S)	T R A	MANIFEST # (S)
A	1	DM	RQ HAZARDOUS WASTE SOLID, NOS	D008						
				APP 007						
	COMPLETED ON:		BY:							
B										
	COMPLETED ON:		BY:							
C										
	COMPLETED ON:		BY:							
D										
	COMPLETED ON:		BY:							

DATE COMPLETED: OPERATIONS DEPARTMENT SIGNOFF:

MATTEO BROS. RECYCLING

EMERGENCY CONTACT: 856-225-7829

State of New Jersey
Department of Environmental Protection
Hazardous Waste Regulation Program
Manifest Section
P.O. Box 414, Trenton, NJ 08625-0414

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. NJD065570148	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
MATTEO BROS. RECYCLING
1072 CROWN POINT ROAD THOROFARE NJ 08086

4. Generator's Phone (856) 225-7829

A. State Manifest Document Number: NJA 5314745

B. State Generator's ID (Gen. Site Address): 1072 CROWN POINT ROAD THOROFARE NJ 08086

5. Transporter 1 Company Name: J & D TRUCKING INC. — 6. US EPA ID Number: NJD000000655

C. State Trans. ID-NJDER: 56181 — Decal No.: 0897590

7. Transporter 2 Company Name — 8. US EPA ID Number

D. Transporter's Phone (856) 494-5145

E. State Trans. ID-NJDEP — Decal No.

9. Designated Facility Name and Site Address
CLEAN EARTH OF NORTH JERSEY, INC.
105 JACOBUS AVENUE
SOUTH KEARNY NJ 07032

10. US EPA ID Number: NJD982112653

F. Transporter's Phone ( )

G. State Facility's ID: 80780

H. Facility's Phone: ( )

11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)	HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
a. RQ HAZARDOUS WASTE SOLID, NOS (EPA D008) 9 NA 3077 PG: III	X	001	DT	01 (LST)	PTD	D008
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above
E/S 100% SOIL — CERT APP:013557 (a):007
a. c.
b. d.

K. Handling Codes for Wastes Listed Above
FOY STORAGE
a. c.
b. d.

15. Special Handling Instructions and Additional Information
NJ 20 D

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described abpve by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: SCOTT WILSON AS AN AGENT OF GENERATOR — Signature — Month Day Year: 07/1/06

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Eddie Charles — Signature — Month Day Year: 07/14/06

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

19. Discrepancy Indication Space
RECEIVED PENDING MANIFEST REVIEW AND QUALITY CONTROL

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: STAN HAMIC — Signature — Month Day Year: 07/14/06

GENERATOR — TRANSPORTER — FACILITY

EPA Form 8700-22

SIGNATURE AND INFORMATION MUST BE LEGIBLE ON ALL COPIES

3—TSD MAIL TO-GENERATOR

NJA5314745

CLEANEARTH of North Jersey, Inc.

GENERATOR NJA5314745

MAN. NO. ~~[illegible]~~

TRANSPORTER Tod

VEHICLE ID. 14

DRIVER ON OFF

REMARKS:
RTKT 117748

NJA 5314745

WEIGH-TRONIX

IN

80780 LB

09:54 AM 07/14/06

OUT

26260 LB

11:09 AM 07/14/06

54520

WEIGHER

MATTEO STOCKPILE II 3

EMERGENCY CONTACT: 856-625-7829

State of New Jersey
Department of Environmental Protection
Hazardous Waste Regulation Program
Manifest Section
P.O. Box 414, Trenton, NJ 08625-0414

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NJR000063230 — Manifest Document No. 17749

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
MATTEO BROS. RECYCLING
1672 CROWN POINT ROAD THOROFARE NJ 08086

4. Generator's Phone (856) 625-7829

A. State Manifest Document Number NJA 5314746

B. State Generator's ID (Gen. Site Address) 1672 CROWN POINT ROAD THOROFARE NJ 08086

5. Transporter 1 Company Name: J & D TRUCKING INC. — 6. US EPA ID Number: NJR000029957

C. State Trans. ID-NJDEP 50101 — Decal No. 090718

7. Transporter 2 Company Name — 8. US EPA ID Number

D. Transporter's Phone (856-291-5145

E. State Trans. ID-NJDEP — Decal No.

9. Designated Facility Name and Site Address
CLEAN EARTH OF NORTH JERSEY, INC.
105 JACOBUS AVENUE
SOUTH KEARNY, NJ 07032

10. US EPA ID Number: NJD991291105

F. Transporter's Phone ( )

G. State Facility's ID

H. Facility's Phone (973) 344-4004

11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)	HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. NON HAZARDOUS WASTE SOLID, NOS (EPA 0008) 9 NA 3077 PGIII	X	001	DM	00022	T	D008
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above
a. E/S 100% SOIL
CERT APP.013557 (07/07)
b.
c.
d.

K. Handling Codes for Wastes Listed Above
a. T02
b.
c.
d.

15. Special Handling Instructions and Additional Information
AF 2996

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: SCOTT INFANTE AS AGENT OF GENERATOR — Signature — Month Day Year 07/11/06

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year 07/11/06

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

19. Discrepancy Indication Space
RECEIVED PENDING MANIFEST REVIEW AND QUALITY CONTROL

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name — Signature — Month Day Year 7/11/06

GENERATOR — TRANSPORTER — FACILITY

NJA 0014740

EPA Form 8700-22

SIGNATURE AND INFORMATION MUST BE LEGIBLE ON ALL COPIES

2 — TSD MAIL TO GENERATOR

CLEANEARTH of North Jersey, Inc.

GENERATOR MATTERO

MAN. NO. NJD 314746

TRANSPORTER ~~[illegible]~~

VEHICLE ID. 8

DRIVER ON OFF

REMARKS:

75660 LB

10:56 AM 07/14/06

OUT

27860 LB

11:18 AM 07/14/06

47800

WEIGHER

WEIGH-TRONIX®

E # 1 OF 1

TED SRCS. RECYCLING

POINT ROAD

ZONE B

APP.# PRC. #

COMMENT

WASTE

ING FOR CUSTOMER

SCHEDULED DATE 07/13/06

NO. OF CONTAINERS	CONT. TYPE	PROPER D.O.T. SHIPPING NAME	WASTE TYPE	DISPOSAL SITE(S)	T R A	MANIFEST # (S)	DISPOSAL SITE(S)	T R A	MANIFEST # (S)
1		RQ HAZARDOUS WASTE SOLID, NOS	D008						
		APP 007							
		COMPLETED ON: BY:							
		COMPLETED ON: BY:							
		COMPLETED ON: BY:							
		COMPLETED ON: BY:							

DATE COMPLETED: OPERATIONS DEPARTMENT SIGNOFF:

N.I.A. 53746

State of New Jersey
Department of Environmental Protection
Hazardous Waste Regulation Program
Manifest Section
P.O. Box 414, Trenton, NJ 08625-0414

*EMERGENCY CONTACT: 856-625-7829

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NJR000053570 — Manifest Document No.: 17750
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
MATTEO BROS. RECYCLING
1692 CROWN POINT ROAD THOROFARE NJ 08086
4. Generator's Phone (856) 625-7829

A. State Manifest Document Number: NJA 5314747
B. State Generator's ID (Gen. Site Address): 1692 CROWN POINT ROAD THOROFARE NJ 08086

5. Transporter 1 Company Name: J & G TRUCKING INC.
6. US EPA ID Number: NJR000002957
C. State Trans. ID-NJDEP: 50151
Decal No.: 090285

7. Transporter 2 Company Name
8. US EPA ID Number
D. Transporter's Phone: 856-241-5145
E. State Trans. ID-NJDEP
Decal No.
F. Transporter's Phone

9. Designated Facility Name and Site Address
CLEAN EARTH OF NORTH JERSEY, INC.
105 JACOBUS AVENUE
SOUTH KEARNY NJ 07032
10. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)
G. State Facility's ID
H. Facility's Phone (973) 344-4004

	HM	11. US DOT Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a.	X	RQ HAZARDOUS WASTE SOLID, NOS (EPA D008) 9 NA 3077 PG: III	001	DM	00012 (E,T)	T	D008
b.							
c.							
d.							

J. Additional Descriptions for Materials Listed Above
E/S 100% SOIL
CENJ APP.013557 (37.007)

K. Handling Codes for Wastes Listed Above
a. T01 b. c. d.

15. Special Handling Instructions and Additional Information
AJ 137N

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: SCOTT WELSH AS AN AGENT OF GENERATOR — Signature — Month Day Year: 07 11 16

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Rolando Cruz — Signature — Month Day Year: 07 11 16

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

FACILITY

19. Discrepancy Indication Space
RECEIVED PENDING MANIFEST REVIEW AND QUALITY CONTROL

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: STEVE KUNC — Signature — Month Day Year: 07 11 16

EPA Form 8700-22

SIGNATURE AND INFORMATION MUST BE LEGIBLE ON ALL COPIES

2 TSD MAIL TO GENERATOR

JUL-17-2006 13:41 CENJ 973 344 8652 P.09/13

IN

PAGE # 1 OF 1

CLEANEARTH
of North Jersey, Inc.

GENERATOR MAOTOO

MAN. NO. NJA 531474

TRANSPORTER JOD

VEHICLE ID. JOD 4

DRIVER ON OFF

REMARKS:

75140 LB

10:54 AM 07/14/06

OUT

26280 LB

11:21 AM 07/14/06

48860

WEIGHER

WEIGH-TRONIX

ZONE 3

ORDER #

POS. E.T.A.

SCRIPTION	APP.#	PRC. #

SCHEDULED DATE 07/13/06

NO. OF CONTAINERS	CONT. TYPE	PROPER D.O.T. SHIPPING NAME	WASTE TYPE	DISPOSAL SITE(S)	T R A	MANIFEST # (S)	DISPOSAL SITE(S)	T R A	MANIFEST # (S)
1	1	RQ HAZARDOUS WASTE SOLID, NOS	D006						
		APP 007							
		COMPLETED ON: BY:							
2									
		COMPLETED ON: BY:							
3									
		COMPLETED ON: BY:							
4									
		COMPLETED ON: BY:							

DATE COMPLETED: OPERATIONS DEPARTMENT SIGNOFF

State of New Jersey
Department of Enyironmental Protection
Hazardous Waste Regulation Prpgram
Manifest Section
P.O. Box 414, Trenton, NJ 08625-0414

EMERGENCY CONTACT: 856-525-7829

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NJR000053270 — Manifest Document No. 19751
2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
MATTEO BROS. RECLYCLING
1692 CROWN POINT ROAD THOROFARE NJ 08086
4. Generator's Phone (856) 625-7829

A. State Mahifest Document Number NJA 5314748
B. State Generator's ID (Gen. Site Address) 1692 CROWN POINT ROAD THOROFARE NJ 08086
C. State Trans. ID-NJDEP 5151
Decal No. 7841695

5. Transporter 1 Company Name: J & D TRUCKING INC.
6. US EPA ID Number: NJR000029967
7. Transporter 2 Company Name
8. US EPA ID Number

D. Transporter's Phone (856) 691-5145
E. State Trans. ID-NJDEP
Decal No.
F. Transporter's Phone ( )

9. Designated Facility Name and Site Address
CLEAN EARTH OF NORTH JERSEY, INC.
105 JACOBUS AVENUE
SOUTH KEARNY, NJ 07032
10. US EPA ID Number: NJD099129115

G. State Facility's ID
H. Facility's Phone (973) 344-4004

GENERATOR

	11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)	HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a.	RQ HAZARDOUS WASTE SOLID, NOS (EPA D008) 9 NA 3077 PG: III	X	001	DM	(47)		D008
b.							
c.							
d.							

J. Additional Descriptions for Materials Listed Above
E/S 100% SOIL — CENJ APP.013557 (3Y.007)

K. Handling Codes for Wastes Listed Above
a. T02 b. c. d.

15. Special Handling Instructions and Additional Information
A6 708K

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: SCOTT WELSH AS AN AGENT OF GENERATOR — Signature — Month Day Year 07/1/06

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Ralph Hernandez — Signature — Month Day Year 07/1/06

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

FACILITY

19. Discrepancy Indication Space

RECEIVED PENDING MANIFEST REVIEW AND QUALITY CONTROL

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

EPA Form 8700-22

SIGNATURE AND INFORMATION MUST BE LEGIBLE ON ALL COPIES

3—TSO MAIL TO GENERATOR

CLEANEARTH of North Jersey, Inc.

GENERATOR MARTCO

MAN. NO. NJA5314248

TRANSPORTER

VEHICLE ID. 17

DRIVER ON OFF

REMARKS:

IN

77340 LB

10:58 AM 07/14/06

OUT

26640 LB

11:25 AM 07/14/06

50700

WEIGHER

WEIGH-TRONIX®

PAGE # 1 OF 1

ON POINT ROAD

ZONE 3

E ORDER #

POS. E.T.A.

STE DESCRIPTION	APP.#	PRC. #

SCHEDULED DATE 07/13/06

NO. OF CONTAINERS	CONT. TYPE	PROPER D.O.T. SHIPPING NAME	WASTE TYPE	DISPOSAL SITE(S)	TRA	MANIFEST # (S)	DISPOSAL SITE(S)	TRA	MANIFEST # (S)
A 1	DT	RQ HAZARDOUS WASTE SOLID, NOS	D008						
		APP 007							
COMPLETED ON:		BY:							
B									
COMPLETED ON:		BY:							
C									
COMPLETED ON:		BY:							
D									
COMPLETED ON:		BY:							

DATE COMPLETED: OPERATIONS DEPARTMENT SIGNOFF:

State of New Jersey
Department of Environmental Protection
Hazardous Waste Regulation Program
Manifest Section
P.O. Box 414, Trenton, NJ 08625-0414

EMERGENCY CONTACT: 856-625-7829

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NJR000063 Manifest Document No. 9755
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
MATTEO BROS. RECYCLING
1892 CROWN POINT ROAD THOROFARE NJ 08086
4. Generator's Phone (856) 625-7829

A. State Manifest Document Number NJA 5314749
B. State Generator's ID (Gen. Site Address) 1892 CROWN POINT ROAD THOROFARE NJ 08086

5. Transporter 1 Company Name J & D TRUCKING INC. #9
6. US EPA ID Number NJD000622577
C. State Trans. ID-NJDEP
Decal No. 0887224

7. Transporter 2 Company Name
8. US EPA ID Number
D. Transporter's Phone (856) 391-2145
E. State Trans. ID-NJDEP
Decal No.

9. Designated Facility Name and Site Address
CLEAN EARTH OF NORTH JERSEY, INC.
105 JACOBUS AVENUE
SOUTH KEARNY NJ 07032
10. US EPA ID Number NJD980528584
F. Transporter's Phone ( )
G. State Facility's ID
H. Facility's Phone (973) 344-4004

11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)	HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a. RQ HAZARDOUS WASTE SOLID, NOS (EPA D009) 9 NA 3077 PG: III	X	001	DT	0105	F-T	D009
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above
E/S 100% SOIL
CERJ REF.013557 (a):007
a. c.
b. d.

K. Handling Codes for Wastes Listed Above
a. c.
b. d.

15. Special Handling Instructions and Additional Information
AT 119 G

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: SCOTT WELSH AS AN AGENT OF GENERATOR — Signature — Month Day Year: 09/11/06

GENERATOR

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: William J. Irwin — Signature — Month Day Year: 09/11/06

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

TRANSPORTER

19. Discrepancy Indication Space
RECEIVED PENDING MANIFEST REVIEW AND QUALITY CONTROL 49950

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name — Signature — Month Day Year: 09/11/06

FACILITY

EPA Form 8700-22

SIGNATURE AND INFORMATION MUST BE LEGIBLE ON ALL COPIES

2 - TSD MAIL TO GENERATOR

...m: COX STATIONERS • 502 SOUTH AVENUE, GARWOOD, NJ 07027 • (908) 928-1010 • #26275

PAGE # 1 OF 1

...OR SITE ... POINT ROAD

CLEANEARTH of North Jersey, Inc.

GENERATOR MATTERO

MAN. NO. NJA 5314769

TRANSPORTER JOD

VEHICLE ID. 9

DRIVER ON OFF

REMARKS:

ZONE 3

IN

ORDER #

75060 LB

11:32 AM 07/14/06

OUT

25080 LB

12:59 PM 07/14/06

SIGH-TRONIX

WEIGHER

SCHEDULED DATE 07/13/06

NO. OF CONTAINERS	CONT. TYPE	PROPER D.O.T. SHIPPING NAME	
1	DT	RQ HAZARDOUS WASTE SOLID, NOS	D008

APP 007

STE DESCRIPTION	APP.#	PRC. #

FEST # (S)	DISPOSAL SITE(S)	TRA	MANIFEST # (S)

COMPLETED ON: BY:

COMPLETED ON: BY:

COMPLETED ON: BY:

COMPLETED ON: BY:

DATE COMPLETED: OPERATIONS DEPARTMENT SIGNOFF

MATCH #7

EMERGENCY CONTACT: 856-625-7829

State of New Jersey
Department of Environmental Protection
Hazardous Waste Regulation Program
Manifest Section
P.O. Box 414, Trenton, NJ 08625-0414

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NJR000052175 — Manifest Document No.
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
MITTED BROS. RECLYCING
1592 CROWN POINT ROAD THOROFARE NJ 08086
4. Generator's Phone (856) 625-7829

A. State Manifest Document Number NJA 5314750
B. State Generator's ID (Gen. Site Address) 1592 CROWN POINT ROAD THOROFARE NJ 08086
C. State Trans. ID-NJDEP 5016
Decal No. 2 0009224
D. Transporter's Phone (856) 691-5125
E. State Trans. ID-NJDEP
Decal No.
F. Transporter's Phone
G. State Facility's ID
H. Facility's Phone (973) 344-4004

5. Transporter 1 Company Name: J & D TRUCKING INC. #9
6. US EPA ID Number: NJR000029267
7. Transporter 2 Company Name
8. US EPA ID Number

9. Designated Facility Name and Site Address
CLEAN EARTH OF NORTH JERSEY, INC.
105 JACOBUS AVENUE
SOUTH KEARNY, NJ 07032
10. US EPA ID Number: NJD091291105

11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)	HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a. NO HAZARDOUS WASTE SOLID, NUS (EPA D008) 9 NA 3077 PG: III	X	001	DF	00012	T	D008
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above
E/S 100% SOIL
CENJ ASP.013557 (37:007)
a.
b.
c.
d.

K. Handling Codes for Wastes Listed Above
a.
b.
c.
d.

15. Special Handling Instructions and Additional Information
AJ/196

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: SCOTT WEISE AS AN AGENT OF GENERATOR — Signature — Month Day Year 07/11/06

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: BILL IRWIN — Signature — Month Day Year 07/17/06

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

19. Discrepancy Indication Space
RECEIVED PENDING MANIFEST REVIEW AND QUALITY CONTROL

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name — Signature — Month Day Year 07/17/06

GENERATOR — TRANSPORTER — FACILITY

EPA Form 8700-22

SIGNATURE AND INFORMATION *MUST* BE LEGIBLE ON ALL COPIES

TOP MAIL TO GENERATOR

CLEANEARTH
of North Jersey, Inc.

GENERATOR MATTERO

MAN. NO. NJA5314250

TRANSPORTER JTD

VEHICLE ID. 9

DRIVER ON OFF

REMARKS:

IN

57740 LB

08:22 AM 07/17/06

OUT

26340 LB

09:40 AM 07/17/06

31400

WEIGHER

WEIGH-TRONIX®

MATTEO #8

EMERGENCY CONTACT: 856-625-7829

State of New Jersey
Department of Environmental Protection
Hazardous Waste Regulation Program
Manifest Section
P.O. Box 414, Trenton, NJ 08625-0414

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NJD065357614 — Manifest Document No. 19754
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
MATTEO BROS. RECLYCING
1692 CROWN POINT ROAD THOROFARE NJ 08086
4. Generator's Phone (856) 625-7829

A. State Manifest Document Number NJA 5314751
B. State Generator's ID (Gen. Site Address) 1692 CROWN POINT ROAD THOROFARE NJ 08086

5. Transporter 1 Company Name: J & D TRUCKING INC.
6. US EPA ID Number: NJR000002975
C. State Trans. ID-NJDEP 50181
Decal No. 109507
7. Transporter 2 Company Name
8. US EPA ID Number
D. Transporter's Phone (856-891-5045
E. State Trans. ID-NJDEP
Decal No.
F. Transporter's Phone ( )
9. Designated Facility Name and Site Address: CLEAN EARTH OF NORTH JERSEY, INC.
105 JACOBUS AVENUE
SOUTH KEARNY, NJ 07032
10. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)
G. State Facility's ID
H. Facility's Phone (973) 344-4004

	HM	11. US DOT Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a.	X	RQ HAZARDOUS WASTE SOLID, NOS (EPA D008) 9 NA 3077 PG: III	001	DT	00022	T	D008
b.							
c.							
d.							

J. Additional Descriptions for Materials Listed Above
E/S 100% SOIL — CEN APP.013557 (a):007
K. Handling Codes for Wastes Listed Above
a. T04 b. c. d.

15. Special Handling Instructions and Additional Information
AJ700 A

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: SCOTT WELSH AS AN AGENT OF GENERATOR — Signature — Month Day Year 07/17/06

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: B Campbell — Signature: B Campbell — Month Day Year 07/17/06

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

19. Discrepancy Indication Space
RECEIVED PENDING MANIFEST REVIEW AND QUALITY CONTROL $280

20. Facility Owner or Operator: Certification of repeipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: TOM HAYNE — Signature — Month Day Year 07 17 06

GENERATOR / TRANSPORTER / FACILITY

EPA Form 8700-22

SIGNATURE AND INFORMATION MUST BE LEGIBLE ON ALL COPIES

2 TOD MAIL TO GENERATOR

...der From: COX STATIONERS • 502 SOUTH AVENUE, GARWOOD, NJ 07027 • (908) 928-1010 • #26275

17577

CLEANEARTH of North Jersey, Inc.

GENERATOR MATTE RD

MAN. NO. NJD053147751

TRANSPORTER 1A

VEHICLE ID. 15

DRIVER ON OFF

REMARKS:

IN

71760 LB

08:39 AM 07/17/06

OUT

26480 LB

09:47 AM 07/17/06

4528

WEIGHER

WEIGH-TRONIX

MATTEO #9

EMERGENCY CONTACT: 856-625-7829

State of New Jersey
Department of Environmental Protection
Hazardous Waste Regulation Program
Manifest Section
P.O. Box 414, Trentpn, NJ 08625-0414

Please type or print in block letters. (Form designed for usa on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. NJR000265755	Manifest Document No. 19755	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
MATTEO BROS. RECLYCING
1692 CROWN POINT ROAD THOROFARE NJ 08086

4. Generator's Phone (856) 625-7829

A. State Manifest Document Number NJA 5314752
B. State Generator's ID (Gen. Site Address) 1692 CROWN POINT ROAD THOROFARE NJ 08086

5. Transporter 1 Company Name: J & D TRUCKING INC.
6. US EPA ID Number: NJR000029752
C. State Trans. ID-NJDEP 5016
Decal No. 089590

7. Transporter 2 Company Name
8. US EPA ID Number
D. Transporter's Phone (856) 391-5145
E. State Trans. ID-NJDEP
Decal No.

9. Designated Facility Name and Site Address
CLEAN EARTH OF NORTH JERSEY, INC.
105 JACOBUS AVENUE
SOUTH KEARNY, NJ 07032
10. US EPA ID Number: NJD982911105
F. Transporter's Phone
G. State Facility's ID
H. Facility's Phone (973) 344-4004

11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)	HM		12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a.	X	RQ HAZARDOUS WASTE SOLID, NOS (EPA D008) 9 NA 3077 PG: III	001	DM	06	PZ	KT D008
b.							
c.							
d.							

FST

J. Additional Descriptions for Materials Listed Above
E/S 100% SOIL
EPA APP.013557 (a)(1)(ii)

K. Handling Codes for Wastes Listed Above
a. b. c. d.

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: SCOTT UNGLISH AS AN AGENT OF GENERATOR | Signature | Month Day Year: 07/17/06

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Eddy Flores | Signature | Month Day Year: 07/17/06

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

19. Discrepancy Indication Space

RECEIVED PENDING MANIFEST REVIEW AND QUALITY CONTROL

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

GENERATOR / TRANSPORTER / FACILITY

EPA Form 8700-22

SIGNATURE AND INFORMATION MUST BE LEGIBLE ON ALL COPIES

3 - TSD MAIL TO GENERATOR

CLEANEARTH
of North Jersey, Inc.

GENERATOR MAJ TORO

MAN. NO. NJA5314752

TRANSPORTER JTD

VEHICLE ID. 14

DRIVER ON OFF

REMARKS:

IN

74360 LB

09:34 AM 07/17/06

OUT

26380 LB

09:50 AM 07/17/06

47980

WEIGHER

WEIGH-TRONIX®

State of New Jersey
Department pt Environmental Prdtection
Hazardous Waste Regulation Program
Manifest Section
P.O. Box 414, Trentpn, NJ 08625-0414

MATTEO #10

EMERGENCY CONTACT: 856-625-7829

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NJD000635756 — Manifest Document No. 19756
2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
MATTEO BROS. RECLYCING
1692 CROWN POINT ROAD THOROFARE NJ 08086

4. Generator's Phone (856) 625-7829

A. State Manifest Document Number: NJA 5314753
B. State Generator's ID (Gen. Site Address): 1692 CROWN POINT ROAD THOROFARE NJ 08086
C. State Trans. ID-NJDEP: 501551
Decal No.: 0719059
D. Transporter's Phone: 856-241-9145
E. State Trans. ID-NJDEP
Decal No.
F. Transporter's Phone ( )
G. State Facility's ID
H. Facility's Phone (973) 344-4064

5. Transporter 1 Company Name: J & D TRUCKING INC.
6. US EPA ID Number: NJR000039967

7. Transporter 2 Company Name
8. US EPA ID Number

9. Designated Facility Name and Site Address
CLEAN EARTH OF NORTH JERSEY, INC.
105 JACOBUS AVENUE
SOUTH KEARNY, NJ 07032
10. US EPA ID Number: NJD991291105

GENERATOR

11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol.	Waste No.
a. X RQ HAZARDOUS WASTE SOLID, NOS (EPA D008) 9 NA 3077 PG: III	001	DT	0010	T	D008
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
E/S 100% SOIL
CENJ APP.013557 (a):007
a.
b.
c.
d.

K. Handling Codes for Wastes Listed Above
a.
b.
c.
d.

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable International and national government regulations.

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Printed/Typed Name: SCOTT WELSH AS AN AGENT OF GENERATOR — Signature — Month Day Year: 07/07/06

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Arturo Flores — Signature — Month Day Year: 07/07/06

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

FACILITY

19. Discrepancy Indication Space

RECEIVED PENDING MANIFEST REVIEW AND QUALITY CONTROL

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 19.
Printed/Typed Name: TIM HAMIL — Signature — Month Day Year: 07/07/06

EPA Form 8700-22

SIGNATURE AND INFORMATION MUST BE LEGIBLE ON ALL COPIES

2 TSD MAIL TO GENERATOR

...rom: COX STATIONERS • 502 SOUTH AVENUE, GARWOOD, NJ 07027 • (908) 928-1010 • #26275

CLEANEARTH of North Jersey, Inc.

GENERATOR MATLEGO

MAN. NO. NJA5314753

TRANSPORTER JJ

VEHICLE ID. 19

DRIVER ON OFF

REMARKS:

IN

64420 LB

09:36 AM 07/17/06

OUT

26400 LB

09:53 AM 07/17/06

38020

WEIGHER

WEIGH-TRONIX®

MATTEO-FF 11

State of New Jersey
Department of Environmental Protection
Hazardous Waste Regulation Program
Manifest Section
P.O. Box 414, Trenton, NJ 08625-0414

EMERGENCY CONTACT: 856-625-7829

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NJR000083320 | Manifest Document No. 19757
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
MATTEO BROS. RECYCLING
1092 CROWN POINT ROAD THOROFARE NJ 08086
4. Generator's Phone (856) 625-7829

A. State Manifest Document Number NJA 5314754
B. State Generator's ID (Gen. Site Address) 1092 CROWN POINT RD THOROFARE NJ 08086

5. Transporter 1 Company Name: J & D TRUCKING INC. JD#4
6. US EPA ID Number: NJR000062997
C. State Trans. ID-NJDEP 5101
Decal No. 903915
7. Transporter 2 Company Name
8. US EPA ID Number
D. Transporter's Phone (856-691-5145
E. State Trans. ID-NJDEP
Decal No.
F. Transporter's Phone ( )

9. Designated Facility Name and Site Address
CLEAN EARTH OF NORTH JERSEY, INC.
105 JACOBUS AVENUE
SOUTH KEARNY, NJ 07032
10. US EPA ID Number: NJD991291105
G. State Facility's ID
H. Facility's Phone (973) 344-4004

	HM	11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a.	X	RQ HAZARDOUS WASTE SOLID, NOS (EPA D008) 9 NA 3077 PG: III	001	DM	00012	EST T	D008
b.							
c.							
d.							

GENERATOR

J. Additional Descriptions for Materials Listed Above
E/S 100% SOIL
CEN AFF.013557 (a)T007
a. c.

K. Handling Codes for Wastes Listed Above
a. STAGE 2
b. d.

15. Special Handling Instructions and Additional Information

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Printed/Typed Name: SCOTT WELSH AS AGENT OF GENERATOR | Signature | Month Day Year: 07 11 06

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Rolando Cruz | Signature | Month Day Year: 07 11 06
18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Discrepancy Indication Space

RECEIVED PENDING MANIFEST REVIEW AND QUALITY CONTROL

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: TOM HAMAL | Signature | Month Day Year: 07 11 06

EPA Form 8700-22

SIGNATURE AND INFORMATION MUST BE LEGIBLE ON ALL COPIES

1—TSD MAIL TO GENERATOR

GARWOOD, NJ 07027 • (908) 928-1010 • #26275

CLEANEARTH
of North Jersey, Inc.

GENERATOR MATTARCO

MAN. NO. NJA5314754

TRANSPORTER J+D

VEHICLE ID. 11

DRIVER ON OFF

REMARKS:

IN

77180 LB

10:01 AM 07/17/06

OUT

26180 LB

10:10 AM 07/17/06

51,000

WEIGHER

WEIGH-TRONIX

MATTEO # 412

EMERGENCY CONTACT: 856-625-7829

State of New Jersey
Department of Environmental Protection
Hazardous Waste Regulation Program
Manifest Section
P.O. Box 414, Trenton, NJ 08625-0414

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NJR000063370
Manifest Document No.: 19758

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
MATTEO BROS. RECYCLING
1692 CROWN POINT ROAD THOROFARE NJ 08086

4. Generator's Phone (856) 625-7829

A. State Manifest Document Number: NJA 5314755
B. State Generator's ID (Gen. Site Address): 1692 CROWN POINT ROAD THOROFARE NJ 08086

5. Transporter 1 Company Name: J & D TRUCKING INC.
6. US EPA ID Number: NJR000029947
C. State Trans. ID-NJDEP: 5010
Decal No.: 990718

7. Transporter 2 Company Name
8. US EPA ID Number
D. Transporter's Phone: 856-691-5145
E. State Trans. ID-NJDEP
Decal No.
F. Transporter's Phone ( )
G. State Facility's ID

9. Designated Facility Name and Site Address
CLEAN EARTH OF NORTH JERSEY, INC.
105 JACOBUS AVENUE
SOUTH KEARNY, NJ 07032
10. US EPA ID Number: NJD991291105
H. Facility's Phone (973) 344-4004

	11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a.	X RQ HAZARDOUS WASTE SOLID, NOS (EPA D008) 9 NA 3077 PG: III	001	DT	EST 00012	T	D008
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above
E/S 100% SOIL
CENJ APP.013557 (8)(007
a.
b.
c.
d.

K. Handling Codes for Wastes Listed Above
a. S01 SOIL
b.
c.
d.

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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GENERATOR

Printed/Typed Name: SCOTT WELSH AS AN AGENT OF GENERATOR
Signature
Month Day Year: 07 17 2016

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: LUIS A CARLINO SR
Signature
Month Day Year: 07 17 2016

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

FACILITY

19. Discrepancy Indication Space
RECEIVED PENDING MANIFEST REVIEW AND QUALITY CONTROL

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: STAN HAMPL
Signature
Month Day Year: 07 17 2016

NJA 5314755

EPA Form 8700-22

SIGNATURE AND INFORMATION MUST BE LEGIBLE ON ALL COPIES

3—TSO MAIL TO GENERATOR

From: COX STATIONERS • 502 SOUTH AVENUE, GARWOOD, NJ 07027 • (908) 928-1010 • #25275

CLEANEARTH of North Jersey, Inc.

GENERATOR CENJ

MAN. NO. NJA5314755

TRANSPORTER J+D

VEHICLE ID. 8

DRIVER ON OFF

REMARKS:

IN

72240 LB

10:03 AM 07/17/06

OUT

27860 LB

10:20 AM 07/17/06

44380

WEIGHER

WEIGH-TRONIX

MATTEO # 13

EMERGENCY CONTACT: 856-625-7829

State of New Jersey
Department of Environmental Protection
Hazardous Waste Regulation Program
Manifest Section
P.O. Box 414, Trenton, NJ 08625-0414

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NJR000063370 — Manifest Document No.: 19760
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
MATTEO BROS. RECLAIMING
1692 CROWN POINT ROAD THOROFARE NJ 08086
4. Generator's Phone (856) 625-7829

A. State Manifest Document Number: NJA 5314756
B. State Generator's ID (Gen. Site Address): 1692 CROWN POINT ROAD THOROFARE NJ 08086

5. Transporter 1 Company Name: J & D TRUCKING INC. #9
6. US EPA ID Number: NJR000029967

C. State Trans. ID-NJDEP: 50181
Decal No.: 618612214

7. Transporter 2 Company Name
8. US EPA ID Number

D. Transporter's Phone: 856-691-5145
E. State Trans. ID-NJDEP
Decal No.
F. Transporter's Phone

9. Designated Facility Name and Site Address
CLEAN EARTH OF NORTH JERSEY, INC.
105 JACOBUS AVENUE
SOUTH KEARNY, NJ 07032
10. US EPA ID Number: NJD091291105

G. State Facility's ID
H. Facility's Phone: (973) 344-4004

11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)	HM		12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a.	X	RQ HAZARDOUS WASTE SOLID, NOS (EPA D008) 9 NA 3077 PG: III	1	DT	EST		D008
b.							
c.							
d.							

J. Additional Descriptions for Materials Listed Above
a. E/S 100% SOIL
c. CENJ NPP.013557 (a)D007

K. Handling Codes for Wastes Listed Above
a. 7H1
b.
d.

15. Special Handling Instructions and Additional Information
AJ119G N.J.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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GENERATOR

Printed/Typed Name: SCOTT WELCH AS AN AGENT OF GENERATOR — Signature: [signature] — Month Day Year: 07 17 06

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Bill Irwin — Signature: [signature] — Month Day Year: 07 17 06

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

FACILITY

19. Discrepancy Indication Space

RECEIVED PENDING MANIFEST REVIEW AND QUALITY CONTROL

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: STEVE HAMPE — Signature: [signature] — Month Day Year: 07 17 06

EPA Form 8700-22

SIGNATURE AND INFORMATION *MUST* BE LEGIBLE ON ALL COPIES

6 - TSD MAIL TO GENERATOR

NJA 5314756

CLEANEARTH of North Jersey, Inc.

GENERATOR MATTERO

MAN. NO. NJA5314750

TRANSPORTER J+D

VEHICLE ID. 9

DRIVER ON OFF

REMARKS:

IN

71140 LB

01:06 PM 07/17/08

OUT

25880 LB

01:55 PM 07/17/06

45260

WEIGHER

WEIGH-TRONIX®

MATRO #14

EMERGENCY CONTACT: 856-625-7829

State of New Jersey
Department of Environmental Protection
Hazardous Waste Regulation Program
Manifest Section
P.O. Box 414, Trenton, NJ 08625-0414

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NJR000053701 — Manifest Document No. 9761

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
MATTEO BROS. RECYCLING
1692 CROWN POINT ROAD THOROFARE NJ 08086

4. Generator's Phone (856) 625-7829

A. State Manifest Document Number NJA 5314757

B. State Generator's ID (Gen. Site Address) 1692 CROWN POINT ROAD THOROFARE NJ 08086

C. State Trans. ID-NJDEP 50181

Decal No. 8905720

D. Transporter's Phone (856) 691-5745

E. State Trans. ID-NJDEP

Decal No.

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone (908) 344-4004

5. Transporter 1 Company Name: J & D TRUCKING INC.
6. US EPA ID Number: NJR000029957

7. Transporter 2 Company Name
8. US EPA ID Number

9. Designated Facility Name and Site Address
CLEAN EARTH OF NORTH JERSEY, INC.
105 JACOBUS AVENUE
SOUTH KEARNY, NJ 07032
10. US EPA ID Number: NJD991291105

	11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a.	X RQ HAZARDOUS WASTE SOLID, NOS (EPA D008) 9 NA 3077 PG: III	001	DT	22	T	D008
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above
E/S 100% SOIL
CENJ APP.013557 (a)(100)

K. Handling Codes for Wastes Listed Above
a. NONA

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable International and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: SCOTT WELLIN AS AN AGENT OF GENERATOR — Signature — Month Day Year: 09 17 16

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: B Campbell — Signature — Month Day Year: 09 17 16

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

19. Discrepancy Indication Space

RECEIVED PENDING MANIFEST REVIEW AND QUALITY CONTROL

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: STAN HAMPL — Signature — Month Day Year: 09 19 16

GENERATOR — TRANSPORTER — FACILITY

NJA 5314757

EPA Form 8700-22

SIGNATURE AND INFORMATION MUST BE LEGIBLE ON ALL COPIES

3—TSD MAIL TO GENERATOR

CLEANEARTH
of North Jersey, Inc.

GENERATOH MATTBRO

MAN. NO. NJA5314257

TRANSPORTER JJD

VEHICLE ID. 15

DRIVER ON OFF

REMARKS:

IN

80800 LB

01:26 PM 07/17/06

OUT

26280 LB

02:00 PM 07/17/06

54520

WEIGHER

WEIGH-TRONIX®

M/C #1

EMERGENCY CONTACT: 856-625-7829

State of New Jersey
Department of Environmental Protection
Hazardous Waste Regulatipn Program
Manifest Section
P.O. Box 414, Trenton, NJ 08625-0414

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NJR000063370 | Manifest Document No. 1976 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
MATTEU BROS. RECYCLING
1692 CROWN POINT ROAD THOROFARE NJ 08086

4. Generator's Phone (856) 625-7829

A. State Manifest Document Number NJA 5314758
B. State Generator's ID (Gen. Site Address) 1692 CROWN POINT ROAD THOROFARE NJ 08086

5. Transporter 1 Company Name: J & D TRUCKING INC.
6. US EPA ID Number: NJR000029972
C. State Trans. ID-NJDEP 50131
Decal No.
D. Transporter's Phone (856) 691-5145

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Trans. ID-NJDEP
Decal No.
F. Transporter's Phone ( )

9. Designated Facility Name and Site Address
CLEAN EARTH OF NORTH JERSEY, INC.
105 JACOBUS AVENUE
SOUTH KEARNY, NJ 07032
10. US EPA ID Number: NJD991291105
G. State Facility's ID
H. Facility's Phone (973) 344-4004

GENERATOR

	11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)	HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a.	RQ HAZARDOUS WASTE SOLID, NOS (EPA D008) 9 NA 3077 PG: III	X	001	DT	EST 00008	P	D008
b.							
c.							
d.							

J. Additional Descriptions for Materials Listed Above
E/S 100% SOIL
CENJ APP.013557 (3)-007
a. c. b. d.

K. Handling Codes for Wastes Listed Above
a. b. c. d.

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

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Printed/Typed Name: SCOTT WEESIT AS AN AGENT OF GENERATOR | Signature | Month 07 Day 17 Year 06

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month 07 Day 17 Year 06

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

FACILITY

19. Discrepancy Indication Space

RECEIVED PENDING MANIFEST REVIEW AND QUALITY CONTROL

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name TOM HAYR | Signature | Month 07 Day 17 Year 06

EPA Form 8700-22 SIGNATURE AND INFORMATION MUST BE LEGIBLE ON ALL COPIES

3—TED MAIL TO OSMERATOR

CLEANEARTH of North Jersey, Inc.

GENERATOR HATTERO

MAN. NO. NJD 5314758

TRANSPORTER J&D

VEHICLE ID. 5

DRIVER ON OFF

REMARKS:

IN

75500 LB

01:45 PM 07/17/06

OUT

26160 LB

02:06 PM 07/17/06

49340

WEIGHER

WEIGH-TRONIX

State of New Jersey
Department of Enylronmental Protection
Hazardous Waste Regulation Program
Manifest Section
P.O. Box 414, Trenton, NJ 08625-0414

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.) *Form Approved. OMB No. 2050-0039.*

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. | Manifest Document No. | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address

4. Generator's Phone ( )

A. State Manifest Document Number **NJA 5314759**

B. State Generator's ID (Gen. Site Address)

5. Transporter 1 Company Name | 6. US EPA ID Number

C. State Trans. ID-NJDEP | Decal No.- 089590

7. Transporter 2 Company Name | 8. US EPA ID Number

D. Transporter's Phone ( )

E. State Trans. ID-NJDEP | Decal No.-

9. Designated Facility Name and Site Address | 10. US EPA ID Number

F. Transporter's Phone ( )

G. State Facility's ID

H. Facility's Phone ( )

11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group) HM		12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.						
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above

a. c.

b. d.

K. Handling Codes for Wastes Listed Above

a. c.

b. d.

15. Special Handling Instructions and Additional Information

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Printed/Typed Name | Signature | Month Day Year

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Eddy Flores | Signature | Month Day Year 01 17 96

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

19. Discrepancy Indication Space

RECEIVED PENDING MANIFEST REVIEW AND QUALITY CONTROL

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

Printed/Typed Name | Signature | Month Day Year

GENERATOR TRANSPORTER FACILITY

NJA 0014709

EPA Form 8700-22

SIGNATURE AND INFORMATION *MUST* BE LEGIBLE ON ALL COPIES

2 TSD MAIL TO GENERATOR

CLEANEARTH
of North Jersey, Inc.

GENERATOR MATTESON

MAN. NO. NJA 531759

TRANSPORTER JTP

VEHICLE ID. 14

DRIVER ON OFF

REMARKS:

IN

72840 LB

02:28 PM 07/17/06

OUT

25840 LB

02:43 PM 07/17/06

47000

WEIGHER

WEIGH-TRONIX®

MATTEO BROS

EMERGENCY CONTACT: 856-625-7829

State of New Jersey
Department of Environmental Protection
Hazardous Waste Regulation Program
Manifest Section
P.O. Box 414, Trenton, NJ 08625-0414

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NJR000093570 — Manifest Document No. 19754
2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
MATTEO BROS. RECLYCING
1692 CROWN POINT ROAD THOROFARE NJ 08086

4. Generator's Phone (856) 625-7829

A. State Manifest Document Number NJA 5314760
B. State Generator's ID (Gen. Site Address) 1692 CROWN POINT ROAD THOROFARE NJ 08086
C. State Trans. ID-NJDEP 50101 — Decal No. 0219759
D. Transporter's Phone (856-881-5145
E. State Trans. ID-NJDEP — Decal No.
F. Transporter's Phone ( )
G. State Facility's ID
H. Facility's Phone (973) 344-4004

5. Transporter 1 Company Name: J & D TRUCKING INC. 19 — 6. US EPA ID Number: NJR000003997
7. Transporter 2 Company Name — 8. US EPA ID Number

9. Designated Facility Name and Site Address
CLEAN EARTH OF NORTH JERSEY, INC.
105 JACOBUS AVENUE
SOUTH KEARNY, NJ 07032
10. US EPA ID Number: NJD991291105

11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)	HM		12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a.	X	NR HAZARDOUS WASTE SOLID, NOS (EPA D008) 9 NA 3077 PG: III	XX1	DT	FST		D008
b.							
c.							
d.							

J. Additional Descriptions for Materials Listed Above
a. E/S 100% SOIL — c. GENJ APP.015557 (37)007
b. — d.

K. Handling Codes for Wastes Listed Above
a. T03 — c.
b. — d.

15. Special Handling Instructions and Additional Information

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Printed/Typed Name: SCOTT WELSH AS AN AGENT OF GENERATOR — Signature — Month Day Year: 07 17 16

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Edward Flores — Signature — Month Day Year: 07 17 16

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

19. Discrepancy Indication Space

RECEIVED PENDING MANIFEST REVIEW AND QUALITY CONTROL

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: STAN HAMM — Signature — Month Day Year: 07 17 16

GENERATOR — TRANSPORTER — FACILITY

EPA Form 8700-22

SIGNATURE AND INFORMATION *MUST* BE LEGIBLE ON ALL COPIES

CLEANEARTH of North Jersey, Inc.

GENERATOR MATTERO

MAN. NO. NJA 5314760

TRANSPORTER JED

VEHICLE ID. 19

DRIVER ON OFF

REMARKS:

IN

74660 LB

02:26 PM 07/17/06

OUT

25980 LB

02:41 PM 07/17/06

48680

WEIGHER

WEIGH-TRONIX®

EMERGENCY CONTACT: 856-625-7829

State of New Jersey
Department of Environmental Protection
Hazardous Waste Regulation Program
Manifest Section
P.O. Box 414, Trenton, NJ 08625-0414

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.) *Form Approved. OMB No. 2050-0039.*

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NJR000063705 — Manifest Document No. 19765
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
MATTEO BROS. RECLYCING
1592 CROWN POINT ROAD THOROFARE NJ 08086
4. Generator's Phone (856) 625-7829

A. State Manifest Document Number NJA 5314761
B. State Generator's ID (Gen. Site Address) 1592 CROWN POINT ROAD THOROFARE NJ 08086
C. State Trans. ID-NJDEP 50161
Decal No. 90285

5. Transporter 1 Company Name: J & D TRUCKING INC. JDT
6. US EPA ID Number: NJR000062997
7. Transporter 2 Company Name
8. US EPA ID Number

D. Transporter's Phone (856-691-5149)
E. State Trans. ID-NJDEP
Decal No.
F. Transporter's Phone ( )

9. Designated Facility Name and Site Address
CLEAN EARTH OF NORTH JERSEY, INC.
105 JACOBUS AVENUE
SOUTH KEARNY, NJ 07032
10. US EPA ID Number: NJD991291105

G. State Facility's ID
H. Facility's Phone (973) 344-4064

	11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group) HM		12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a.	X	NO HAZARDOUS WASTE SOLID, NOS (EPA D008) 9 NA 3077 PG: III	XX	DT	EST 0002 PT		D008
b.							
c.							
d.							

J. Additional Descriptions for Materials Listed Above
EAS 100% SOIL
CENJ APP:013557 (3):007
a. c. b. d.

K. Handling Codes for Wastes Listed Above
a. T01 c. b. d.

15. Special Handling Instructions and Additional Information

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Printed/Typed Name: SCOTT WELSH AS AN AGENT OF GENERATOR — Signature — Month Day Year: 07 17 06

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Rolando Cruz — Signature — Month Day Year: 07 17 06

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

19. Discrepancy Indication Space
RECEIVED PENDING MANIFEST REVIEW AND QUALITY CONTROL

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: JIM HAUPT — Signature — Month Day Year: 07 17 06

GENERATOR — TRANSPORTER — FACILITY

EPA Form 8700-22

SIGNATURE AND INFORMATION MUST BE LEGIBLE ON ALL COPIES

2 TSO MAIL TO GENERATOR

CLEANEARTH of North Jersey, Inc.

GENERATOR MAUTCO

MAN. NO. NJA 5314761

TRANSPORTER TTD

VEHICLE ID. 4

DRIVER ON OFF

REMARKS:

IN

72300 LB

02:48 PM 07/17/06

OUT

25900 LB

02:53 PM 07/17/06

46400

WEIGHER

WEIGH-TRONIX

EMERGENCY CONTACT: 856-625-7829

State of New Jersey
Department of Environmental Protection
Hazardous Waste Regulation Program
Manifest Section
P.O. Box 414, Trenton, NJ 08625-0414

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NJR000035570 | Manifest Document No. 17756 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
MATTEU BROS. RECLYCING
1692 CROWN POINT ROAD THOROFARE NJ 08086

4. Generator's Phone (856) 625-7829

A. State Manifest Document Number NJA 5314762
B. State Generator's ID (Gen Site Address) 1692 CROWN POINT ROAD THOROFARE NJ 08086

5. Transporter 1 Company Name: J & D TRUCKING INC. #9
6. US EPA ID Number: NJR000029967
C. State Trans. ID NJDEP 50101
Decal No. 0539-224

7. Transporter 2 Company Name
8. US EPA ID Number
D. Transporter's Phone (856) 691-5145
E. State Trans. ID NJDEP
Decal No.
F. Transporter's Phone ( )

9. Designated Facility Name and Site Address
CLEAN EARTH OF NORTH JERSEY, INC.
105 JACOBUS AVENUE
SOUTH KEARNY, NJ 07032
10. US EPA ID Number: NJD991291105
G. State Facility's ID
H. Facility's Phone (973) 344-4004

	11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)	HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
a.	RQ HAZARDOUS WASTE SOLID, NOS (EPA D008) 9 NA 3077 PG: III	X	XX1	DT			D008
b.							
c.							
d.							

J. Additional Descriptions for Materials Listed Above
E/S 100% SOIL
CENJ APP.013557 (37)002
a.
c.
b.
d.

K. Handling Codes for Wastes Listed Above
a.
c.
b.
d.

15. Special Handling Instructions and Additional Information
AJ119G N.J.

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Printed/Typed Name: SEE WEIGH MASTER TICKET | Signature | Month Day Year 07/11/06

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: William J. Irwin | Signature | Month Day Year 07/11/06

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

19. Discrepancy Indication Space
RECEIVED PENDING MANIFEST REVIEW AND QUALITY CONTROL

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: STAN HAMPC | Signature | Month Day Year 07/11/06

GENERATOR
TRANSPORTER
FACILITY

NJA 5314762

EPA Form 8700-22

SIGNATURE AND INFORMATION MUST BE LEGIBLE ON ALL COPIES

2 TSD MAIL TO GENERATOR

CLEANEARTH of North Jersey, Inc.

GENERATOR MATRO

MAN. NO. NJH 5314762

TRANSPORTER J&D

VEHICLE ID. 9

DRIVER ON OFF

REMARKS:

IN

OUT

WEIGH-TRONIX®

46120

WEIGHER

23.06

AGE # 1 OF 1

ZONE

DATE RECEIVED

DRUMS/GALS/YARDS

ORDER #

CHECK #

EIGHT:

HT:

HT:

POS. E.T.A.

DESCRIPTION	APP.#	PRC. #

J & D TRUCKING INC. TRANSPORTING FOR CUSTOMER

SCHEDULED DATE 07/13/00

THE UNDERSIGNED AGREES THAT THE ABOVE SERVICE INFORMATION IS CORRECT

CUSTOMER SIGNATURE PRINTED NAME DATE

	NO. OF CONTAINERS	CONT. TYPE	PROPER D.O.T. SHIPPING NAME	WASTE TYPE	DISPOSAL SITE(S)	T_R A	MANIFEST # (S)	DISPOSAL SITE(S)	T_R A	MANIFEST # (S)
A	1	DT	NON HAZARDOUS WASTE SOLID, NOS	[illegible]						
			ANT 007							
	COMPLETED ON:		BY:							
B										
	COMPLETED ON:		BY:							
C										
	COMPLETED ON:		BY:							
D										
	COMPLETED ON:		BY:							

DATE COMPLETED: OPERATIONS DEPARTMENT SIGNOFF:

Clean Earth of North Jersey, Inc.

115 Jacobus Ave., South Kearny, NJ 07032 (973) 344-4004

Use Ball Point Pen - Press Firmly

APPROVAL CODE D)_____ B)_____
GENERIC CODE D)_____ B)_____
CUSTOMER # _____
LSR # _____
MASTER WPS ____YES ____NO
TECHNICAL REP. INITIALS _____
BROKER NAME (if Applicable) _____
APPROVAL DATE _____

A. GENERATOR INFORMATION

GENERATOR'S NAME: MATTEO BROS RECYCLING
MAILING ADDRESS: 1692 CROWN POINT RD
WASTE PICKUP ADDRESS: SAME
EPA ID NO. D001 MSDS ATTACHED ____YES ✓NO
TECH CONTACT SCOTT WELSH PHONE 856-625-7829
COMMON NAME OF WASTE: SOIL IMPACTED W/ LEAD
PROCESS GENERATING WASTE: BATTERY RECYCLING

BIENNIAL REPORT CODES: SIC CODE _____ SOURCE CODE A_____ FORM CODE B_____
ORIGIN CODE _____ SYSTEM TYPE _____
IS THIS WASTE FROM A PLANT CLOSURE OR PLANT CLEAN UP? ____YES ✓NO.

B. PHYSICAL/CHEMICAL CHARACTERISTIC

REACTIVITY (PPM)
TOTAL CYANIDES 0
AMENABLE CYANIDES 0
REACTIVE SULFIDES 0
CHECK IF WASTE IS:
___WATER REACTIVE
___AIR REACTIVE
___SHOCK SENSITIVE
___GENERATES TOXIC FUMES WHEN MIXED WITH ACID, BASE, OR H2O

PHYSICAL STATE @ 70° F
✓SOLID
___LIQUID
___POWDER
___SEMI-SOLID
___SINGLE PHASE
___BI-LAYERED
___MULTI-LAYERED
___GAS/AEROSOL

PERCENT LIQUID/SOLID
TOTAL SOLIDS 100 %
SUSPENDED SOLIDS _____ %
FREE LIQUID _____ %
WATER _____ %

ODOR
✓NONE ___MILD ___STRONG
DESCRIBE: _____

CORROSIVITY (pH)
___≤ 2.0
___2.01 - 5.0
✓5.01 - 9.0
___9.01 - 12.49
___≥ 12.50
_____EXACT pH

IGNITABILITY
LIQUIDS:
FLASH POINT °F
___< 100°
___≥ 100° ≤ 140°
___> 140° ≤ 200°
✓> 200°
_____ACTUAL
SOLIDS:
___YES ___NO

SPECIFIC GRAVITY
___< .8
___≥ .8 ≤ 1
___> 1 ≤ 1.2
✓> 1.2
EXACT: _____

COLOR _____

C. CHEMICAL COMPOSITION

	Check if SARA Title III Sec 313	Check if SARA III EHS Sec 302	RANGE MIN.-MAX.
SEE ATTACHED ANALYTICAL			%
			%
			%
			%
			%
			%
			%
			%
			%
			%
			%
			%
TOTAL			%

PLEASE NOTE THE CHEMICAL COMPOSITION TOTAL IN THE RANGE (MAX.) COLUMN MUST BE GREATER THAN OR EQUAL TO 100 PERCENT

D. TOXICITY CHARACTERISTICS

CONTAMINANT	EPA WASTE #	REGULATORY LEVEL (mg/L)	ACTUAL LEVEL
Arsenic	D004	5.0	
Barium	D005	100.0	
Cadmium	D006	1.0	
Chromium	D007	5.0	
Chromium CR+6	D007	5.0	
Lead	D008	5.0	5.28-41 mg/L
Mercury	D009	0.2	
Selenium	D010	1.0	
Silver	D011	5.0	
Benzene	D018	0.5	
Carbon Tetrachloride	D015	0.5	
Chlordane	D020	0.03	
Chlorobenzene	D021	100.0	
Chloroform	D022	6.0	
o-Cresol	D023	200.0[2]	
m-Cresol	D024	200.0[2]	
p-Cresol	D025	200.0[2]	
Cresol	D026	200.0[2]	
2,4-D	D016	10.0	
1,4-Dichlorobenzene	D027	7.5	
1,2 Dichloroethane	D028	0.5	
1,1-Dichloroethylene	D029	0.7	
2,4-Dinitrotoluene	D030	0.13[1]	
Endrin	D012	0.02	
Heptachlor (and its epoxide)	D031	0.008	
Hexachlorobenzene	D032	0.13[1]	
Hexachlorobutadiene	D033	0.5	
Hexachloroethane	D034	3.0	
Lindane	D013	0.4	
Methoxychlor	D014	10.0	
Methyl Ethyl Ketone	D035	200.0	
Nitrobenzene	D036	2.0	
Pentachlorophenol	D037	100.0	
Pyridine	D038	5.0[1]	
Tetrachloroethylene	D039	0.7	
Toxaphene	D015	0.5	
Trichloroethylene	D039	0.5	
2,4,5-Trichlorophenol	D041	400.0	
2,4,6-Trichlorophenol	D042	2.0	
2,4,5-TP (Silvex)	D017	1.0	
Vinyl chloride	D043	0.2	

[1] Quantitation limit is greater than the calculated regulatory level. The quantitation limit therefore becomes the regulatory level.
[2] If o-, m-, and p-Cresol concentrations cannot be differentiated, the total Cresol (D026) concentration is used. The regulatory level of total Cresol is 200mg/L

E. HAZARDOUS CHARACTERISTICS

___RADIOACTIVE
___INFECTIOUS
✓TOXIC
___EXPLOSIVE
___PYROPHORIC
___OXIDIZER
___CORROSIVE
___OTHER DESCRIBE _____
___NONE OF THE ABOVE
___COMPRESSED GAS
___FLAMMABLE SOLID
___ORGANIC PEROXIDE
___SHOCK SENSITIVE
___REACTIVE METALS
(SPECIFY IN SECTION C)

F. IDENTIFY THE HEALTH HAZARD CHARACTERISTICS FROM THE TABLE BELOW

IMMEDIATE (ACUTE) HEALTH HAZARD
___NONE
___HIGHLY TOXIC
✓TOXIC
___IRRITANT
___SENSITIZER
___CORROSIVE
___OTHER HAZARDOUS CHEMICALS WITH AN ADVERSE EFFECT ON A TARGET ORGAN THAT GENERALLY OCCURS AS A RESULT OF SHORT TERM EXPOSURE AND WITH A SHORT DURATION.

DELAYED (CHRONIC) HEALTH HAZARD
✓CARCINOGENS (If carcinogens are known to be in waste specify the carcinogen in Section C)
✓OTHER HAZARDOUS CHEMICALS WITH AN ADVERSE EFFECT ON A TARGET ORGAN THAT GENERALLY OCCURS AS A RESULT OF LONG TERM EXPOSURE AND WITH A LONG DURATION

G. SHIPPING INFORMATION

___BULK LIQUID
✓BULK SOLID
___BULK SLUDGE
___OTHER DESCRIBE _____
___DRUMS (STEEL)
___DRUMS (POLY)

SHIPPING FREQUENCY
QUANTITY 15 YDS PER ONCE

H. MANIFEST INFORMATION

IS THIS A D.O.T. HAZARDOUS MATERIAL? ✓YES ___NO
PROPER D.O.T. SHIPPING NAME (49CFR Table 172.101) HAZARDOUS WASTE SOLID, N.O.S. RQ UNITS (lb/kg) 10
D.O.T. HAZARD CLASS / DIVISION: 9 UN/NA 3077 PACKAGING GROUP (Circle one) I II III
ADDITIONAL DESCRIPTIONS REQUIREMENTS (49CFR 172.203) _____
EMERGENCY RESPONSE TELEPHONE NUMBER (49CFR 172.604) 856-675-7829 CONTACT (Print Name) SCOTT WELSH

I. WASTE CHARACTERISTICS

1) IS THIS A USEPA HAZARDOUS WASTE? ✓YES ___NO US EPA HAZARDOUS WASTE NUMBER(S) D001 HAZARD CODES _____
IF YES, IF THE WASTE IS A CHARACTERISTIC HAZARDOUS WASTE, DOES IT CONTAIN UNDERLYING HAZARDOUS CONSTITUENTS (as defined at 40CFR 268.2(i)), ABOVE THE UNIVERSAL TREATMENT STANDARD ___YES ✓NO.
IF YES PLEASE COMPLETE THE UHC WASTE PROFILE ADDENDUM.
2) STATE NON-HAZARDOUS WASTE NUMBER(S) _____
3) DOES THIS WASTE CONTAIN ANY PCB's ___YES ✓NO IF YES INDICATE LEVEL _____ ARE PCB'S TSCA REGULATED? ___YES ___NO
4) DOES THIS WASTE CONTAIN ANY HERBICIDES, PESTICIDES, DIXON OR RESIDUES THEREOF ___YES ✓NO
(If yes, list compound and concentration) in Section C
5) IS THIS WASTE PROHIBITED FROM LAND DISPOSAL UNDER 40CFR Part 268 ✓YES ___NO.
If yes, list waste subcategory description, if applicable _____ or check none. ___NONE
6) IS THIS WASTE A (Check one) ✓NON-WASTEWATER ___WASTEWATER? (See 40CFR 268.2)
7) BENZENE NESHAP APPLICABILITY: Is this waste subject to management under National Emission Standards for Benzene Waste Operations as provided in 40CFR Part 61 Subpart FF ___YES ✓NO IF YES, GIVE BENZENE CONCENTRATION _____
8) DOES THIS WASTE CONTAIN ANY N-NITROSO-N-METHYLUREA? ___YES ✓NO IF YES, GIVE CONCENTRATION
9) IF THIS WASTE IS A RCRA HAZARDOUS WASTE DOES IT CONTAIN VOC's IN CONCENTRATIONS ≥ 500 PPM.(40CFR Subpart CC) ___YES ✓NO
10) ARE THERE ANY SPECIAL HANDLING INSTRUCTIONS FOR THE DISPOSAL OF THIS WASTE ___YES ✓NO, IF YES, SPECIFY _____

J. AUTHORIZATION TO CORRECT WMPS

I AUTHORIZE C.E.N.J., INC. TO MAKE CORRECTIONS TO THIS WMPS. CORRECTIONS MUST BE CONSISTENT WITH THE RESULTS OF SAMPLE ANALYSIS AND REGULATORY REQUIREMENTS. I UNDERSTAND THAT A CORRECTED COPY OF THE WMPS WILL BE SENT TO ME

SIGNATURE [signature]

K. SPECIAL HANDLING COMMENTS

L. OFFICIAL USE ONLY

M. APPROVAL
SAFETY _____
ENVIRON _____

N. POLYCHLORINATED BIPHENYL (PCB), HERBICIDE, PESTICIDE, INSECTICIDE/ALUMINUM AND REACTIVE METAL WARRANTY

I hereby warrant that the material transferred to Clean Earth of North Jersey (C.E.N.J), Inc., for transportation, treatment, storage and/or disposal is not radioactive waste, does not contain > 1% asbestos and is not contaminated by either Polychlorinated Biphenyl or Herbicide/Pesticide/Insecticide or Dioxins or Furans of any value unless it is listed in Section C and approved by C.E.N.J., Inc., nor does it contain Elemental Aluminum or Reactive Metal Paste, Powder, or Pigment unless it is listed in Section C and approved by C.E.N.J., Inc. and hereby agree to indemnify and hold C.E.N.J., Inc. harmless from any costs, damages, or other liability resulting from breach of this warranty or any other terms and conditions of this Waste Material Profile Sheet, including the indemnification listed on the back page.

O. The information on this Waste Material Profile Sheet (WMPS) may have been prepared by other individuals. By signing Section O of this WMPS I certify that all information, including any attached information, is complete and is an accurate representation of the waste and its known or suspected hazards

6-30-06 FRANK J MATTEO PRESIDENT

DATE PRINTED NAME TITLE GENERATOR'S SIGNATURE

Clean Earth of North Jersey, Inc. has all the appropriate permits for and will accept this waste that has been characterized identical by this Approved Waste Material Profile Sheet.
cenjwpsz.doc 7/2001

Clean Earth of North Jersey, Inc.

115 Jacobus Ave., South Kearny, NJ 07032 (973) 344-4004

Use Ball Point Pen - Press Firmly

APPROVAL CODE D)____ B)____

GENERIC CODE D)____ B)____

CUSTOMER # 013557

LSR #____

MASTER WPS ____YES ____NO

TECHNICAL REP. INITIALS BF

BROKER NAME (If Applicable) SIERRA

APPROVAL DATE____

A. GENERATOR INFORMATION

GENERATOR'S NAME MATTEO Bros Recycling

MAILING ADDRESS 1692 Crown Point Rd Thorofare N.J.

WASTE PICKUP ADDRESS____

EPA ID NO. NJR000063370 MSDS ATTACHED ____YES ____NO

TECH CONTACT Scott Welsh PHONE 856-625-7829

COMMON NAME OF WASTE Soil Impacted with Lead

PROCESS GENERATING WASTE Removal of Soil from Lead Battery Recycling facility.

BIENNIAL REPORT CODES: SIC CODE ____ SOURCE CODE A____ FORM CODE B____

ORIGIN CODE ____ SYSTEM TYPE ____

IS THIS WASTE FROM A PLANT CLOSURE OR PLANT CLEAN UP? ____YES ____NO.

B. PHYSICAL/CHEMICAL CHARACTERISTIC

REACTIVITY (PPM)
TOTAL CYANIDES 0
AMENASLE CYANIDES 0
REACTIVE SULFIDES 0
CHECK IF WASTE IS:
___WATER REACTIVE
___AIR REACTIVE
___SHOCK SENSITIVE
___GENERATES TOXIC FUMES WHEN MIXED WITH ACID, BASE, OR H20

ODOR
X NONE ___MILD ___STRONG
DESCRIBE: ____

COLOR Brown

PHYSICAL STATE @ 70° F
X SOLID
___LIQUID
___POWDER
___SEMI-SOLID
___SINGLE PHASE
___BI-LAYERED
___MULTI-LAYERED
___GAS/AEROSOL

CORROSIVITY (pH)
___≤ 2.0
___2.01 - 5.0
X 5.01 - 9.0
___9.01 - 12.49
___≥ 12.50
___EXACT pH

PERCENT LIQUID/SOLID
TOTAL SOLIDS 100 %
SUSPENDED SOLIDS ____%
FREE LIQUID ____%
WATER ____%

IGNITABILITY
LIQUIDS:
FLASH POINT °F
___< 100°
___≥ 100° ≤ 140°
___> 140° ≤ 200°
X > 200°
___ACTUAL
SOLIDS:
___YES X NO

SPECIFIC GRAVITY
___< .8
___≥ .8 ≤ 1
___> 1 ≤ 1.2
___> 1.2
EXACT: N/A

C. CHEMICAL COMPOSITION

	Check if SARA Title III Sec 313	Check if SARA III EHS Sec 302	RANGE MIN.-MAX.
Soil			100 %
			%
			%
			%
			%
			%
			%
			%
			%
			%
			%
			%
			%
TOTAL			100 %

PLEASE NOTE THE CHEMICAL COMPOSITION TOTAL IN THE RANGE (MAX.) COLUMN MUST BE GREATER THAN OR EQUAL TO 100 PERCENT

D. TOXICITY CHARACTERISTICS

CONTAMINANT	EPA WASTE #	REGULATORY LEVEL (mg/L)	ACTUAL LEVEL
			BRL
Arsenic	D004	5.0	
Barium	D005	100.0	
Cadmium	D006	1.0	
Chromium	D007	5.0	
Chromium CR+6	D007	5.0	~~41 ppm~~
Lead	D008	5.0	41 ppm
Mercury	D009	0.2	
Selenium	D010	1.0	
Silver	D011	5.0	
Benzene	D018	0.5	
Carbon Tetrachloride	D019	0.5	
Chlordane	D020	0.03	
Chlorobenzene	D021	100.0	
Chloroform	D022	6.0	
o-Cresol	D023	200.0*	
m-Cresol	D024	200.0*	
p-Cresol	D025	200.0*	
Cresol	D026	200.0*	
2,4-D	D016	10.0	
1,4-Dichlorobenzene	D027	7.5	
1,2-Dichloroethane	D028	0.5	
1,1-Dichloroethylene	D029	0.7	
2,4-Dinitrotoluene	D030	0.13[1]	
Endrin	D012	0.02	
Heptachlor (and its epoxide)	D031	0.008	
Hexachlorobenzene	D032	0.13[1]	
Hexachlorobutadiene	D033	0.5	
Hexachloroethane	D034	3.0	
Lindane	D013	0.4	
Methoxychlor	D014	10.0	
Methyl Ethyl Ketone	D035	200.0	
Nitrobenzene	D036	2.0	
Pentachlorophenol	D037	100.0	
Pyridine	D038	5.0[1]	
Tetrachloroethylene	D039	0.7	
Toxaphene	D015	0.5	
Trichloroethylene	D040	0.5	
2,4,5-Trichlorophenol	D041	400.0	
2,4,6-Trichlorophenol	D042	2.0	
2,4,5-TP (Silvex)	D017	1.0	
Vinyl chloride	D043	0.2	

[1] Quantitation limit is greater than the calculated regulatory level.
The quantitation limit therefore becomes the regulatory level.
* If o-,m- and p-Cresol concentrations cannot be differentiated, the total Cresol (D026) concentration is used. The regulatory level of total Cresol is 200mg/L

E. HAZARDOUS CHARACTERISTICS

___RADIOACTIVE
___INFECTIOUS
___TOXIC
___EXPLOSIVE
___PYROPHORIC
___OXIDIZER
___CORROSIVE
___OTHER DESCRIBE _____
X NONE OF THE ABOVE

___COMPRESSED GAS
___FLAMMABLE SOLID
___ORGANIC PEROXIDE
___SHOCK SENSITIVE
___REACTIVE METALS (SPECIFY IN SECTION C)

F. IDENTIFY THE HEALTH HAZARD CHARACTERISTICS (CHECK THE TABLE BELOW)

IMMEDIATE (ACUTE) HEALTH HAZARD
X NONE
___HIGHLY TOXIC
___TOXIC
___IRRITANT
___SENSITIZER
___CORROSIVE
___OTHER HAZARDOUS CHEMICALS WITH AN ADVERSE EFFECT ON A TARGET ORGAN THAT GENERALLY OCCURS AS A RESULT OF SHORT TERM EXPOSURE AND WITH A SHORT DURATION.

DELAYED (CHRONIC) HEALTH HAZARD
___CARCINOGENS (If carcinogens are known to be in waste specify the carcinogen in Section C)
___OTHER HAZARDOUS CHEMICALS WITH AN ADVERSE EFFECT ON A TARGET ORGAN THAT GENERALLY OCCURS AS A RESULT OF LONG TERM EXPOSURE AND WITH A LONG DURATION

G. SHIPPING INFORMATION

___BULK LIQUID
___BULK SOLID
___BULK SLUDGE
___OTHER DESCRIBE _____
___DRUMS (STEEL)
___DRUMS (POLY)
SHIPPING FREQUENCY
QUANTITY Loads PER 1 Time

H. MANIFEST INFORMATION

IS THIS A D.O.T. HAZARDOUS MATERIAL? X YES ___NO
PROPER D.O.T. SHIPPING NAME (49CFR Table 172.101) Hazardous Waste Solid NOS RQ UNITS (lb/kg) D008
D.O.T. HAZARD CLASS / DIVISION: 9 UN/NA 3077 PACKAGING GROUP (circle one) I II (III)
ADDITIONAL DESCRIPTIONS REQUIREMENTS (49CFR 172.203) _____
EMERGENCY RESPONSE TELEPHONE NUMBER (49CFR 172.604) 856-629-7829 CONTACT (Print Name) Frank MATTEO

I. WASTE CHARACTERISTICS

1) IS THIS A USEPA HAZARDOUS WASTE? X YES ___NO US EPA HAZARDOUS WASTE NUMBER(S) D008 HAZARD CODES T/S
IF YES, IF THE WASTE IS A CHARACTERISTIC HAZARDOUS WASTE, DOES IT CONTAIN UNDERLYING HAZARDOUS CONSTITUENTS (as defined at 40CFR 268.2(i)). ABOVE THE UNIVERSAL TREATMENT STANDARD ___YES X NO
IF YES PLEASE COMPLETE THE UHC WASTE PROFILE ADDENDUM.
2) STATE NON-HAZARDOUS WASTE NUMBER(S) N/A
3) DOES THIS WASTE CONTAIN ANY PCB's ___YES X NO IF YES INDICATE LEVEL _____ ARE PCB'S TSCA REGULATED? ___YES ___NO
4) DOES THIS WASTE CONTAIN ANY HERBICIDES, PESTICIDES, DIXON OR RESIDUES THEREOF ___YES X NO
If yes, list compound and concentration in Section C
5) IS THIS WASTE PROHIBITED FROM LAND DISPOSAL UNDER 40CFR Part 268 ___YES X NO
If yes, list waste subcategory description, if applicable _____ or check none. ___NONE
6) IS THIS WASTE A (Check one) X NON-WASTEWATER ___WASTEWATER? (See 40CFR 268.2)
7) BENZENE NESHAP APPLICABILITY: Is this waste subject to management under National Emission Standards for Benzene Waste Operations as provided in 40CFR Part 61 Subpart FF ___YES X NO IF YES, GIVE BENZENE CONCENTRATION _____
8) DOES THIS WASTE CONTAIN ANY N-NITROSO-N-METHYLUREA? ___YES X NO IF YES, GIVE CONCENTRATION
9) IF THIS WASTE IS A RCRA HAZARDOUS WASTE DOES IT CONTAIN VOC's IN CONCENTRATIONS ≥ 500 PPM. (40CFR Subpart CC) ___YES X NO
10) ARE THERE ANY SPECIAL HANDLING INSTRUCTIONS FOR THE DISPOSAL OF THIS WASTE ___YES X NO. IF YES, SPECIFY _____

J. AUTHORIZATION TO CORRECT WMPS

I AUTHORIZE C.E.N.J., INC. TO MAKE CORRECTIONS TO THIS WMPS. CORRECTIONS MUST BE CONSISTENT WITH THE RESULTS OF SAMPLE ANALYSIS AND REGULATORY REQUIREMENTS. I UNDERSTAND THAT A CORRECTED COPY OF THE WMPS WILL BE SENT TO ME.

SIGNATURE _____

K. SPECIAL HANDLING COMMENTS

L. OFFICIAL USE ONLY

M. APPROVAL

SAFETY _____
ENVIRON _____

N. POLYCHLORINATED BIPHENYL (PCB), HERBICIDE, PESTICIDE, INSECTICIDE/ALUMINUM AND REACTIVE METAL WARRANTY

I hereby warrant that the material transferred to Clean Earth of North Jersey (C.E.N.J), Inc., for transportation, treatment, storage and/or disposal is not radioactive waste, does not contain > 1% asbestos and is not contaminated by either Polychlorinated Biphenyl or Herbicide/Pesticide/Insecticide or Dioxins or Furans of any value unless it is listed in Section C and approved by C.E.N.J., Inc., nor does it contain Elemental Aluminum or Reactive Metal Paste, Powder, or Pigment unless it is listed in Section C and approved by C.E.N.J., Inc. and hereby agree to indemnify and hold C.E.N.J., Inc. harmless from any costs, damages, or other liability resulting from breach of this warranty or any other terms and conditions of this Waste Material Profile Sheet, including the indemnification listed on the back page.

O. The information on this Waste Material Profile Sheet (WMPS) may have been prepared by other individuals. By signing Section O of this WMPS I certify that all information, including any attached information, is complete and is an accurate representation of the waste and its known or suspected hazards

DATE	PRINTED NAME	TITLE	GENERATOR'S SIGNATURE
6/30/06	FRANK J MATTEO	PMS	

Clean Earth of North Jersey, Inc. has all the appropriate permits for and will accept the waste that has been characterized /identified by this Approved Waste Material Profile Sheet.
conjwpe2.doc 7/2/01

CENJ COPY

OME#: 2050-0028 Expires 1/31/2006

SEND COMPLETED FORM TO: The Appropriate State or EPA Regional Office.	United States Environmental Protection Agency **RCRA SUBTITLE C SITE IDENTIFICATION FORM**	
1. Reason for Submittal (See instructions on page 13.) MARK ALL BOX(ES) THAT APPLY	Reason for Submittal: ☒ To provide Initial Notification of Regulated Waste Activity (to obtain an EPA ID Number for hazardous waste, universal waste, or used oil activities) ☐ To provide Subsequent Notification of Regulated Waste Activity (to update site identification information) ☐ As a component of a First RCRA Hazardous Waste Part A Permit Application ☐ As a component of a Revised RCRA Hazardous Waste Part A Permit Application (Amendment #_____) ☐ As a component of the Hazardous Waste Report	
2. Site EPA ID Number (page 14)	EPA ID Number |_|_|_|_|_|_|_|_|_|_|_|_|	
3. Site Name (page 14)	Name: MATTEO BROS. MANAGEMENT	
4. Site Location Information (page 14)	Street Address: 1692 CROWN POINT RD.	
	City, Town, or Village: THOROFARE	State: NJ
	County Name:	Zip Code: 08086
5. Site Land Type (page 14)	Site Land Type: ☒ Private ☐ County ☐ District ☐ Federal ☐ Indian ☐ Municipal ☐ State ☐ Other	
6. North American Industry Classification System (NAICS) Code(s) for the Site (page 14)	A. 412319310	B. |_|_|_|_|_|_|
	C. |_|_|_|_|_|_|	D. |_|_|_|_|_|_|
7. Site Mailing Address (page 15)	Street or P. O. Box: 1692 CROWN POINT RD.	
	City, Town, or Village: THOROFARE	
	State: NJ	
	Country: USA	Zip Code: 08086
8. Site Contact Person (page 15)	First Name: JAMES MI:	Last Name: MATTEO
	Phone Number: 856-845-0398 Extension: N/A	Email address:
9. Operator and Legal Owner of the Site (pages 15 and 16)	A. Name of Site's Operator: JAMES MATTEO	Date Became Operator (mm/dd/yyyy):
	Operator Type: ☒ Private ☐ County ☐ District ☐ Federal ☐ Indian ☐ Municipal ☐ State ☐ Other	
	B. Name of Site's Legal Owner: FRANK MATTEO	Date Became Owner (mm/dd/yyyy): 10/1995
	Owner Type: ☒ Private ☐ County ☐ District ☐ Federal ☐ Indian ☐ Municipal ☐ State ☐ Other	

EPA ID NO: |__|__|__||__|__|__||__|__|__||__|__|__| OMB#: 2050-0028 Expires 1/31/2006

9. Legal Owner (Continued) Address	Street or P. O. Box:	
	City, Town, or Village: 1692 Crown Point RD Thorofare	
	State: NJ	
	Country: USA	Zip Code: 08086

10. Type of Regulated Waste Activity
Mark "Yes" or "No" for all activities; complete any additional boxes as instructed. (See instructions on pages 17 to 20.)

A. Hazardous Waste Activities
Complete all parts for 1 through 6.

Y ☑ N ☐ 1. Generator of Hazardous Waste
(If "Yes", choose only one of the following - a, b, or c.

☑ a. LQG: Greater than 1,000 kg/mo (2,200 lbs./mo.) of non-acute hazardous waste; or

☐ b. SQG: 100 to 1,000 kg/mo (220 - 2,200 lbs./mo.) of non-acute hazardous waste; or

☐ c. CESQG: Less than 100 kg/mo (220 lbs./mo.) of non-acute hazardous waste

In addition, indicate other generator activities.

Y ☐ N ☑ d. United States Importer of Hazardous Waste

Y ☐ N ☑ e. Mixed Waste (hazardous and radioactive) Generator

Y ☐ N ☑ 2. Transporter of Hazardous Waste

Y ☐ N ☑ 3. Treater, Storer, or Disposer of Hazardous Waste (at your site) Note: A hazardous waste permit is required for this activity.

Y ☐ N ☑ 4. Recycler of Hazardous Waste (at your site)

Y ☐ N ☑ 5. Exempt Boiler and/or Industrial Furnace
If "Yes", mark each that applies.
☐ a. Small Quantity On-site Burner Exemption
☐ b. Smelting, Melting, and Refining Furnace Exemption

Y ☐ N ☐ 6. Underground Injection Control

B. Universal Waste Activities

Y ☐ N ☑ 1. Large Quantity Handler of Universal Waste (accumulate 5,000 kg or more) [refer to your State regulations to determine what is regulated]. Indicate types of universal waste generated and/or accumulated at your site. If "Yes", mark all boxes that apply:

	Generate	Accumulate
a. Batteries	☐	☐
b. Pesticides	☐	☐
c. Thermostats	☐	☐
d. Lamps	☐	☐
e. Other (specify) ______	☐	☐
f. Other (specify) ______	☐	☐
g. Other (specify) ______	☐	☐

Y ☐ N ☐ 2. Destination Facility for Universal Waste
Note: A hazardous waste permit may be required for this activity.

C. Used Oil Activities
Mark all boxes that apply.

Y ☐ N ☑ 1. Used Oil Transporter
If "Yes", mark each that applies.
☐ a. Transporter
☐ b. Transfer Facility

Y ☐ N ☑ 2. Used Oil Processor and/or Re-refiner
If "Yes", mark each that applies.
☐ a. Processor
☐ b. Re-refiner

Y ☐ N ☑ 3. Off-Specification Used Oil Burner

Y ☐ N ☑ 4. Used Oil Fuel Marketer
If "Yes", mark each that applies.
☐ a. Marketer Who Directs Shipment of Off-Specification Used Oil to Off-Specification Used Oil Burner
☐ b. Marketer Who First Claims the Used Oil Meets the Specifications

EPA ID NO: |__|__|__||__|__|__||__|__|__||__|__|__| OMB#: 2050-0028 Expires 1/31/2006

11. Description of Hazardous Wastes (See instructions on page 21.)

A. Waste Codes for Federally Regulated Hazardous Wastes. Please list the waste codes of the Federal hazardous wastes handled at your site. List them in the order they are presented in the regulations (e.g., D001, D003, F007, U112). Use an additional page if more spaces are needed.

D008						

B. Waste Codes for State-Regulated (i.e., non-Federal) Hazardous Wastes. Please list the waste codes of the State-regulated hazardous wastes handled at your site. List them in the order they are presented in the regulations. Use an additional page if more spaces are needed for waste codes.

12. Comments (See instructions on page 21.)

WASTE FROM PAST RECYCLING ACTIVITIES.
LEAD-IMPACTED SOIL FOR REMEDIATION AND DISPOSAL.

13. Certification. I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.
For the RCRA Hazardous Waste Part A Permit Application, all operator(s) and owner(s) must sign (see 40 CFR 270.10 (b) and 270.11).
(See instructions on page 21.)

Signature of operator, owner, or an authorized representative	Name and Official Title (type or print)	Date Signed (mm/dd/yyyy)
[illegible signature]	Frank J Mattox	6/21/06

013557

115 Jacobus Ave. , South Kearny, NJ 07032 973-344-4004

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM

Generator Name: Matteo Bros. Recycling

EPA ID #: NJR000063370

Manifest No.: NJA 531473

1. "If the waste(s) is subject to any California List Restrictions enter the letter from page 2 (either A, B1, B2, B3, C, OR D) next to each restriction that is applicable and also list the applicable approval code number(s)."

App. Code	HOC'S	App. Code	PCB'S	App. Code	Metals

See reverse for California List Restrictions

2. identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. and 6NYCRR 376. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no sub-category. Also check which treatment standards apply. If spent solvent waste codes are listed on this form (F001, F002, F003, F004, F005) please refer to the instructions on the reverse (top) of this page. If D001, D002, D012 through D043, or F039 codes apply (except for D001, Ignitable Liquid, High Toe), complete pages 3 and 4 of this form.

3. MANIFEST LINE NO.	4. APPROVAL NUMBER	5. USEPA HAZARDOUS WASTE NUMBER	6. WASTEWATER (WW) OR NON-WASTEWATER (NWW)	7. Subcategory Enter the Subcategory Description. If not applicable, CHECK NONE		8. APPLICABLE TREATMENT STANDARDS		9. HOW MUST THE WASTE BE MANAGED Enter the letter from Page 2
						8a. PERFORMANCE BASED	8b. SPECIFIED TECHNOLOGY: If Applicable enter Treatment Code(s)	
				DESCRIPTION	NONE	268.40	40 CFR 268.42 TABLE 1	
1A	007	D008	NWW		✓	✓		A

To list additional USEPA waste code(s) and subcategory(s), use a supplemental sheet and check here_____. I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

SIGNATURE	TITLE	DATE
AS AN AUTHORIZED AGENT OF GENERATOR	CHAIRMAN	7/7/06

F001-F005 SPENT SOLVENTS

(Instructions: Check the box beside each waste included in the offsite shipment.
Circle or otherwise identify the individual constituents likely to be present in each waste.)

Hazardous waste description	Constituents of concern	Nonwastewater	Wastewater
☐ F001-Spent halogenated solvents used in degreasing	Carbon tetrachloride Methylene chloride Tetrachloroethylene 1,1,1-Trichloroethane Trichloroethylene 1,1,2-Trichloro-1,2,2-tri-fluoroethane Trichlorofluoromethane		
☐ F002- Spent halogenated solvents	Chlorobenzene 1,2-Dichlorobenzene Methylene chloride Methylene chloride (from the pharmaceutical industry) Tetrachloroethylene 1,1,1-Trichloroethane 1,1,2-Trichloroethane Trichloroethylene 1,1,2-Trichloro-1,2,2-Tri-fluoroethane Trichlorofluoromethane		
☐ F003-Spent non-halogenated solvents	Acetone n-Butyl alcohol Cyclohexanone Ethyl acetate Ethyl benzene Ethyl ether Methanol Methyl isobutyl ketone Xylene		
☐ F004-Spent non-halogenated solvents	Cresols (and cresylic acid) (M-and P-Isomers) O-Cresol Nitrobenzene		
☐ F005-Spent non-halogenated solvents	Benzene Carbon disulfide 2-Ethoxyethanol	Incineration ①	Biological degradation or incineration ①
	Isobutanol Methyl ethyl ketone 2-Nitropropane	Incineration ①	(Wet oxidation or chemical oxidation) followed by carbon adsorption; or incineration ①
	Pyridine Toluene		

① Specified technology if this compound is sole F001 thru F005 constituent.

ALL SPENT SOLVENT TREATMENT STANDARDS ARE FROM 40 C.F.R. 268.40 (AND ARE LISTED ON PAGES 3 AND 4 OF THIS FORM)		
CALIFORNIA LIST TREATMENT STANDARDS: 40 CFR 268.42 and RCRA Section 3004(d) A waste must be first designated as a US EPA Hazardous waste before the waste can be subject to the California List Restrictions		
Restricted waste description	Prohibition	Treatment Standard
Liquid or nonliquid wastes containing Halogenated Organic Compounds listed in 40 CFR268. Appendix III	Liquid wastes: Greater than or equal to 1,000 mg/l Nonliquid wastes: Greater than or equal to 1,000 mg/kg	40 CFR 268.42(a)(2) • INCIN
Liquid wastes containing PolyChlorinated Biphenyls(PCBs)	Greater than or equal to 50ppm	40 CFR 268.42(a)(1)• INCIN Also see 40 CFR 761.60 and .70
Liquid wastes containing Metals	One or more of the following metals (or elements) at concentrations greater than or equal to the following: Nickel and/or compounds as Ni: 134 mg/l Thallium and/or compounds as Th: 130 mg/l	RCRA Section 3004(d)

HOW MUST THE WASTE BE MANAGED? In column 9 (Page I), enter the letter (A,B1,B2,B3,C, or D) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter B1,B2,B3,or D, you are making the appropriate certification as provided below.

A. RESTRICTED WASTE REQUIRES TREATMENT
This waste must be treated to the applicable treatment standards set forth in 40 CFR Part 268 Subpart D 268.32, or RCRA Section 304(d).

B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS
"I certify under penalty of law I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based upon my inquiry of these individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR 268 Subpart D AND ALL APPLICABLE PROHIBITIONS SET FOURTH IN 40 CFR 268.32 or RCRA SECTION 3004 (d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment."

B.2 RESTRICTED WASTES FOR WHICH THE TREATMENT STANDARDS IS EXPRESSED AS [illegible]
"I certify under the penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.42 I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment."

B.3 RESTRICTED WASTE TREATED BY SPECIFIED TECHNOLOGY AND REQUIRING FURTHER TREATMENT
"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment".

C. RESTRICTED WASTE SUBJECT TO A VARIANCE
This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 9 on page 1.

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT
"I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA Section 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting false certification, including the

S & W WASTE, INC. UNDERLYING HAZARDOUS CONSTITUENT (UHC)/F039 LDR FORM

GENERATOR NAME: _____ MANIFEST DOC. NO.: _____

APPROVAL CODE #: _____

If D001, D002, or D012-D043 requires treatment to 268.48 standards, then each underlying hazardous constituent present in the waste at the point of generation, and at a level above the UTS constituent specific treatment standard, must be listed. Write the letter (A,B1,B2,B3,C or D) which corresponds to the letter found on S&W LDR Notification and Certification Form (page 2), beside each constituent present, to properly describe how the constituent(s) must be managed under 40 CFR 268.7. If no underlying hazardous constituents are present, please check appropriate section on Page 4 of this form.

CONSTITUENT	HOW MUST CONSTITUENT BE MANAGED	WW (mg/l)	NWW (mg/kg)	CONSTITUENT	HOW MUST CONSTITUENT BE MANAGED	WW (mg/l)	NWW (mg/kg)
Acenaphthylene		0.05900	3.400	o,p-DDD		0.02300	0.087
Acenaphthene		0.05900	3.400	p,p-DDD		0.02300	0.087
Acetone		0.28000	160.000	o,p-DDE		0.03100	0.087
Acetonitrile		5.60000	1.800[3]	p,p-DDE		0.03100	0.087
Acetophenone		0.01000	9.700	o,p-DDT		0.00390	0.087
2-Acetylaminofluorene		0.05900	140.000	p,p-DDT		0.00390	0.087
Acrolein		0.29000	NA	Dibenz(a,h) anthracene		0.05500	8.200
Acrylamide		19.000[3]	23.000[3]	Dibenz(a,e)pyrene		0.06100	NA
Acrylonitrile		0.24000	84.000	m-Dichlorobenzene		0.03600	6.000
Aldrin		0.02100	0.066	o-Dichlorobenzene		0.08800	6.000
4-Aminobiphenyl		0.13000	NA	p-Dichlorobenzene		0.09000	6.000
Aniline		0.81000	14.000	Dichlorodifluoromethane		0.23000	7.200
Anthracene		0.05900	3.400	1,1-Dichloroethane		0.05900	6.000
Aramite		0.36000	NA	1,2-Dichloroethane		0.21000	6.000
alpha-BHC		0.00014	0.066	1,t-Dichloroethylene		0.02500	6.000
beta-BHC		0.00014	0.066	trans-1,2-Dichloroethylene		0.05400	30.000
delta-BHC		0.02300	0.066	2,4-Dichlorophenol		0.04400	14.000
gamma-BHC (Lindane)		0.00170	0.066	2,6-Dichlorophenol		0.04400	14.000
Benzene		0.14000	10.000	1,2-Dichloropropane		0.85000	18.000
Benz (a) anthracene		0.05900	3.400	cis-1,3-Dichloropropylene		0.03600	18.000
Benzal chloride		0.05500[3]	6.000[3]	trans-1,3-Dichloropropylene		0.03600	18.000
Benzo (b) fluoranthene*		0.11000	6.800	Dieldrin		0.01700	0.130
Benzo (k) fluoranthene*		0.11000	6.800	Diethyl phthalate		0.20000	28.000
Benzo (g,h,i) perylene		0.00550	1.800	p-Dimethylaminoazobenzene		0.13000[3]	NA
Benzo (a) pyrene		0.05100	3.400	2,4-Dimethyl phenol		0.03500	14.000
Bromodichloromethane		0.35000	15.000	Dimethyl phthalate		0.04700	28.000
Bromoform (Tribromomethane)		0.63000	15.000	Di-n-butyl phthalate		0.05700	28.000
Bromomethane (methyl bromide)		0.11000	15.000	1,4-Dinitrobenzene		0.32000	2.300
4-Bromophenyl phenyl ether		0.05500	15.000	4,6-Dinitro-o-cresol		0.28000	160.000
n-Butanol (n-Butyl alcohol)		5.60000	2.600	2,4-Dinitrophenol		0.12000	160.000
Butyl benzyl phthalate		0.01700	28.000	2,4-Dinitrotoluene		0.32000	140.000
2-sec-Butyl-4,6-dinitrophenol (Dinoseb)		0.06600	2.500	2,6-Dinitrotoluene		0.55000	28.000
Carbon disulfide		3.80000	4.800[3]	Di-n-octyl phthalate		0.01700	28.000
Carbon tetrachloride		0.05700	6.000	Di-n-propylnitrosoamine		0.40000	14.000
Chlordane (alpha & gamma)		0.00330	0.260	1,4-Dioxane		NA	170.000
p-Chloroaniline		0.46000	16	Diphenyl amine**		0.92000	13.000
Chlorobenzene		0.05700	6.000	Diphenylnitrosamine**		0.92000	13.000
Chlorobenzilate		0.10000	NA	1,2-Diphenyl hydrazine		0.08700	NA
2-chloro-1,3-butadiene		0.05700	0.280[3]	Disulfoton		0.01700	6.200
Chlorodibromomethane		0.05700	15.000	Endosulfan I		0.02300	0.066
Chloroethane		0.27000	6.000	Endosulfan II		0.02900	0.130
bis-(2-Chloroethoxy) methane		0.03600	7.200	Endosulfan sulfate		0.02900	0.130
bis-(2-Chloroethyl) ether		0.03300	6	Endrin		0.00280	0.130
Chloroform		0.04600	6	Endrin aldehyde		0.02500	0.130
bis-(2-Chloroisopropyl) ether		0.05500	7.2	Ethyl acetate		0.34000	33.000
p-Chloro-m-cresol		0.01800	14.000	Ethyl benzene		0.05700	10.000
2-Chloroethyl Vinyl ether		0.06200[3]	NA[3]	Ethyl cyanide (Propanenitrile)		0.24000	360.000
Chloromethane (methyl chloride)		0.19000	30.000	Ethyl ether		0.12000	160.000
2-Chloronaphthalene		0.05500	5.600	bis-(2-Ethylhexyl) phthalate		0.28000	28.000
2-Chlorophenol		0.04400	5.700	Ethyl methacrylate		0.14000	160.000
3-Chloropropylene		0.03600	30.000	Ethylene oxide		0.12000	NA
Chrysene		0.05900	3.400	Famphur		0.01700	15.000
m-Cresol		0.77000	5.600	Fluoranthene		0.06800	3.400
o-Cresol		0.11000	5.600	Fluorene		0.05900	3.400
p-Cresol		0.77000	5.600	Heptachlor		0.00120	0.066
Cyclohexanone		0.36000	0.750[3]	Heptachlor epoxide		0.01600	0.066
1,2-Dibromo-3-Chloropropane		0.11000	15.000	Hexachlorobenzene		0.05500	10.000
1,2-Dibromoethane (Ethylene dibromide)		0.02800	15.000	Hexachlorobutadiene		0.05500	5.600
Dibromomethane		0.11000	15.000	Hexachlorocyclopentadiene		0.05700	2.400
2,4-Dichlorophenoxyacetic acid (2,4-D)		0.72000	10.000	Hexachlorodibenzo-farans		0.000063	0.001

S & W WASTE, INC. UNDERLYING HAZARDOUS CONSTITUENT (UHC)/F039 LDR FORM

GENERATOR NAME: _____ MANIFEST DOC. NO.: _____

APPROVAL CODE #: _____

CONSTITUENT	HOW MUST CONSISTUENT BE MANAGED	WW (mg/l)	NWW (mg/kg)	CONSTITUENT	HOW MUST CONSISTUENT BE MANAGED	WW (mg/l)	NWW (mg/kg)
Hexachlorodibenzo-p-dioxins		0.000063	0.001	Phthalic acid		0.05500[3]	28.00[3]
Hexachloroethane		0.05500	30.000	Phthalic anhydride		0.05500	28.00[3]
Hexachloropropylene		0.03500	30.000	Pronamide		0.09300	1.500
Indeno (1,2,3-c,d) pyrene		0.00550	3.400	Pyrene		0.06700	8.200
Iodomethane		0.19000	65.000	Pyridine		0.01400	16.000
Isobutanol (Isobutyl Alcohol)		5.60000	170.000	Safrole		0.08100	22.000
Isodrin		0.02100	0.066	Silvex (2,4,5-TP)		0.72000	7.900
Isosafrole		0.08100	2.600	2,4,5-T		0.72000	7.900
Kepone		0.00110	0.130	1,2,4,5-Tetrachlorobenzene		0.05500	14.000
Methacrylonitrile		0.24000	84.000	Tetrachlorodibenzo-furans		0.000063	0.001
Methanol		5.60000	0.750[1,3]	Tetrachlorodibenzo-p-dioxins		0.000063	0.001
Methapyrilene		0.08100	1.500	1,1,1,2-Tehachloroethane		0.05700	6.000
Methoxychlor		0.25000	0.180	1,1,2,2-Tetrachloroethane		0.05700	6.000
3-Methylcholanthrene		0.00550	15.000	Tetrachloroethylene		0.05600	6.000
4,4-Methylene-6is-(2-chloroaniline)		0.50000	30.000	2,3,4,6-Tetrachlorophenol		0.03000	7.400
Methylene Chloride		0.08900	30.000	Toluene		0.08000	10.000
Methyl ethyl ketone		0.28000	36.000	Toxaphene		0.00950	2.600
Methyl isobutyl ketone		0.14000	33.000	1,2,4-Triehlorotbenzene		0.05500	19.000
Methyl methacrylata		0.14000	160.000	1,1,1-Trichloroethane		0.05400	6.000
Methyl methanesulfonate		0.01600	NA	1,1,2-Trichlomethane		0.05400	6.000
Methyl parathion		0.01400	4.600	Trichlarpetthylene		0.05400	6.000
Naphthalene		0.05900	5.600	Trichloromonofluoromethane		0.02000	30.000
2-Naphthylamine		0.52000	NA	2,4,5-Trichlorophendl		0.18000	7.400
o-Nitroaniline		0.27000[3]	14.000[3]	2,4,6-Trichlorophenol		0.03500	7.400
p-Nitroaniline		0.02800	28.000	1,2,3-Trichloropropana		0.85000	30.000
Nitrobenzene		0.06800	14.000	1,1,2-Trichloro-1,2,2-tritluoroethane		0.05700	30.000
5-Nitro-o-toluidine		0.32000	28.000	Tris(2,3,-dibromopropyl) phdsphate		0.11000	0.10[3]
o-Nitroptienol		0.02800[3]	13.000[3]	Vinyl chloride		0.27000	6.000
p-Nitrophenol		0.12000	29.000	Xylene (sum of o-,m-, and p- isomers)		0.32000	30.000
N-Nitrosodiethylamine		0.40000	28.000	Cyanides (Total)		1.20000	590.000
N-Nitrosodimethylamine		0.40000	2.300[3]	Cyanides (Amenable)		0.88000	30.000[3]
N-Nitroso-di-n-butylamine		0.40000	17.000	Antimony		1.90000	2.1000[1]
N-Nitrosomethylethylamine		0.40000	2.300	Arsenic		1.40000	5.000[1]
N-Nitrosomorpholine		0.40000	2.300	Barium		1.20000	7.600[1]
N-Nitrosopiperidine		0.01300	35.000	Beryllium		0.82000	0.014[1,3]
N-Nitrosopyrrolidine		0.01300	35.000	Cadmium		0.69000	0.19[1]
Parathion		0.01400	4.600	Chromium(Total)		2.77000	0.86[1]
PCBs (total) all isomens or Aroclors		0.10000	10.000	Fluorkie		35.0000	NA
Pentachlorobenzene		0.05500	10.000	Lead		0.69000	0.37[1]
Pentachloroethane		0.05500[3]	6.000[3]	Mercury (Not from retorting)		0.15000	0.025[1]
Pentachlorodibenzo-furans		0.000035	0.001	Nickel		3.98000	5.0[1]
Pentachlorodibenzo-p-dioxins		0.000063	0.001	Selenium		0.82000	0.16[1]
Pentachlorohitrobenzene		0.05500	4.800	Silver		0.43000	0.30[1]
Pentachlorophenol		0.08900	7.400	Sulfide		14.00000	NA
Phenacetin		0.08100	16.000	Thallium		1.40000	0.078[1,3]
Phenanthrene		0.05900	5.600	Vanadium		4.30000	0.23[1,3]
Phenol		0.03900	6.200	Zinc		2.61000[5]	5.3[1,3]
Phprate		0.02100	4.600				

[1]These concentrations are expressed in mg/l and are measured through an analysis of TCLP extract; all others measured through a total waste analysis.
[2]These constituents are only applicable as Underlying Hazardous Constituents. They are not constituents requiring treatment in F039 wastes.
[3]Zinc is not an Underlying Hazardous Constituent requiring treatment in D001, D002, or D012-D043 wastes.
[4]These compounds are regulated by the sum of their concentration instead of as individual constituents.
[5]These compounds are regulated by the sum of their concentration instead of as individual constituents.

____ No underlying hazardous constituents are present in the waste.

Tha Information above was determined by: ____ Generator's knowledge of the waste
____ Laboratory analysis

MATTEO BROTHERS MANAGEMENT, INC

Dealers in Scrap Iron, Batteries & Metals

1692 CROWN POINT ROAD THOROFARE, NJ 08086

Telephone (856) 845-0398 Fax (856) 845-2331

7/7/06

MATTEO BROS MANAGEMENT AUTHORIZES SCOTT WELSH, CHMM TO SIGN AS AN AUTHORIZED AGENT THE UNIFORMED HAZARDOUS WASTE MANIFESTS REQUIRED TO DISPOSE OF LEAD-IMPACTED SOIL AS PART OF REMEDIAL ACTIVITIES.

SIGNED,

JAMES MATTEO

APPENDIX E

CORRESPONDENCE, INVOICES, AND CONTRACT DOCUMENTS

Sierra
ENVIRONMENTAL SERVICES, INC.

April 5, 2006

Jim Matteo
Matteo and Sons

RE: Site Health and Safaty Officer
Sierra Environmental Services, Inc. Propoeel #2006029

Dear Jim,

Thank you for your interest in Sierra Environmental Servicee (Sierra), a full service environmental health and safety consulting service. In response to our recent discussion, the following is our proposal for a site Health and Safety Officer for the Matteo/Burger Fence installation project project.

DESCRIPTION OF SERVICES

Sierra will staff a site Health and Safety Officer(s) to perform personal air monitoring in accordance with 29 CFR §1910.120 and other applicable regulations. HSO will also serve as HAZWOPER Supervisor and manifest waste offsite.

PROPOSED FEES

Site Health and Safety Officer	$35.00 per hour straight time
PDR-1000 Dust Monitor	$100.00 per week
Disposal of non-hazardous soil	$33.00 per ton
Transport of non-hazardous soli	$550.00 to CEP
Container for soil	$300.00
Disposal of RCRA hazardous soil	$106.00 per ton
Transport of hazardous soil	$550.00 to CENJ
Container tor hazardous soil	$360.00

Analytical for haza/non-haz disposal to follow
Based on use of Burger Fencing skid-steer and fuel.

ADDITIONAL COMMENTS

Timesheet to be Included as backup for invoicing.
Invoices to be submitted weekly.

Sierra
P.O Box 109 Evesham, NJ 08053 856-625-7829

Thank you for choosing **Sierra Environmental Services, Inc.** for your environmental health and safety needs. We look forward to working with you.

By signing below, I accept the conditions and terms.

Name	Title
Purchase Order Number	Date

Matteo/Burger/20060029

Sincerely,

Scott Wehh, CHMM
CEO
Sierra Environmental Services, Inc.
P.O. Box 109
Marlton, NJ 08053
Scott@sierra-environmental.com
http://www.sierra-environmental.com/
856-988-0259 Office
856-625-7829 Cell
856-583-6004 Fax

Disposal rates guaranteed for thirty (30) days from date of proposal.

Sierra
ENVIRONMENTAL SERVICES, INC.
PO Box 109
Marlton, NJ 08053

Invoice

Date	Invoice #
6/9/2006	06-109

Bill To
Matteo Bros. 1692 Crown Point Rd. Thorofare, NJ 08086

PAID Finance

P.O. No.	Terms	Due Date	Project
2006-029	Net 30	7/9/2006	

Description	Qty	Rate	Serviced	Amount
Enviromnental Consulting Services	112	35.00		3,920.00
Poly for disposal	2	100.00		200.00
Lead sampling for waste classification (initial estimate based on 10-day turnaround, marked up for 5-day turnaround.	1	1,700.00		1,700.00
Lead Sampling under trailers D-13 and F-6	10	12.00		120.00

pd # 6086 6/20/06

Total	$5,940.00
Payments/Credits	$0.00
Balance Due	$5,940.00

Remit to: Sierra Environmental Services, Inc. PO Box 109
Marlton, NJ 08053

Payment required within stated terms. Interest rate of 1-1/2% per month will be assessed from date of invoice until full payment is received.

Phone #
856-988-9259

E-mail
Sierraenvironmental@comcast.net

Sierra
ENVIRONMENTAL SERVICES, INC.
PO Box 109
Marlton, NJ 08053

Invoice

Date	Invoice #
7/3/2006	06-119

Bill To
Matteo Bros. 1692 Crown Point Rd. Thorofare, NJ 08086

P.O. No.	Terms	Due Date	Project
	Net 30	8/2/2006	

Description	Qty	Rate	Serviced	Amount
Dust Monitor	3	100.00		300.00
Containerized non-Hazardous Waste Disposal	10.7	33.00		353.10
Transportation Services	1	550.00		550.00
Roll-off for disposal includes 21 days of rental	1	552.00		552.00
Roil-off for disposal Movement from MHC to Matteo yard	1	400.00		400.00

PO 6634 7/7/06

Total	$2,155.10
Payments/Credits	$0.00
Balance Due	$2,155.10

Remit to: Sierra Environmental Services, Inc. PO Box 109
Marlton, NJ 08053

Payment required within stated terms. Interest rate of 1-1/2% per month will be assessed from date of invoice until full payment is received.

Phone #
856-988-9259

E-mail
Sierraenvironmental@comcast.net

Sierra
ENVIRONMENTAL SERVICES, INC.
PO Box 109
Marlton, NJ 08053

Invoice

Date	Invoice #
7/18/2006	06-124

Bill To
Matteo Bros. 1692 Crown Point Rd. Thorofare, NJ 08086

P.O. No.	Terms	Due Date	Project
	Net 30	8/17/2006	

Description	Qty	Rate	Serviced	Amount
Lead Sampling	74	55.00		4,070.00
Waste class sampling for disposal	1	1,200.00		1,200.00
Sierra Representative	144	35.00		5,040.00
Hazardous waste disposal at CENJ (tons)	423.37	102.00		43,183.74
Transportation Services to CENJ	19	500.00		9,500.00
including equipment (days)	5	1,550.00		7,750.00
Mobilization/Demobilization	1	900.00		900.00
Equipment standby rate	5	500.00		2,500.00
Backfill	15	400.00		6,000.00
Clean Topsoil	3	412.00		1,236.00
Poly for stockpiling	4	100.00		400.00
Seed	1	400.00		400.00
One operator/one day 7/19	1	1,200.00		1,200.00

Total	$83,379.74
Payments/Credits	$0.00
Balance Due	$83,379.74

Remit to: Sierra Environmental Services, Inc. PO Box 109
Marlton, NJ 08053

Payment required within stated terms. Interest rate of 1-1/2% per month will be assessed from date of invoice until full payment is received.

Phone #
856-988-9259

E-mail
Sierraenvironmental@comcast.net

check coming from escrow account

Sierra
ENVIRONMENTAL SERVICES, INC.
PO Box 109
Marlton, NJ 08053

Invoice

Date	Invoice #
7/18/2006	06-125

Bill To
Matteo Bros. 1692 Crown Point Rd. Thorofare, NJ 08086 (Matt Raynor)

P.O. No.	Terms	Due Date	Project
Verbal	Net 30	8/17/2006	

Description	Qty	Rate	Serviced	Amount
Site H & S officer/Sierra representative 7/3, 7/5-7/7, 7/10-7/14, 7/17-7/19	12	350.00		4,200.00
Mobilization/Demobilization (Excavator)	1	500.00		500.00
Lead Sampling (as required by EPA)	2	150.00		300.00
Shoring/Bracing Supplies	1	2,000.00		2,000.00
Laborers and Operators including excavator (including $250 standby rate for one day)	5	2,050.00		10,250.00
Concrete for Cap	1	4,000.00		4,000.00
Hazardous Waste Disposal	22	107.00		2,354.00
Roll-off for disposal plus transportation	1	1,500.00		1,500.00
Trailer raising and repositioning	1	8,500.00		8,500.00
Vacuum Truck Service (see attached invoice)	1	2,220.00		2,220.00
Backfill	2	400.00		800.00
Clean Topsoil	1	412.00		412.00
Dust Monitor	5	50.00		250.00

Total	$37,286.00
Payments/Credits	$0.00
Balance Due	$37,286.00

Remit to: Sierra Environmental Services, Inc. PO Box 109
Marlton, NJ 08053

Payment required within stated terms. Interest rate of 1-1/2% per month will be assessed from date of invoice until full payment is received.

Phone #
856-988-9259

E-mail
Sierraenvironmental@comcast.net

WAITING for full check from CARLYLE GROUP.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
2890 WOODBRIDGE AVENUE
EDISON, NEW JERSEY 08837-3679

May 4, 2006

VIA E-MAIL AND U.S. MAIL
Robert Gallagher
Berner Construction, Inc.
1101 Quarry Road
Gap, PA 17527

Dear Mr. Gallagher:

Attached are EPA's modifications and comments to the Matteo Iron and Metal Site Workplan submitted by Berner Construction, Inc. to EPA. Comments on the Site-Specific Health and Safety Plan will follow shortly. As per Paragraph 30 of the draft Administrative Order, each of these items need to be specifically addressed.

If you have any questions I can be reached at 732.906.6191.

Sincerely,

Thomas P. Budroe

cc: D. Cristiano, EPA-ORC
J. Rotola, EPA-ERRD
N. Magriples, EPA-ERRD
J. Matteo, Matteo Iron & Metal

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION II
EDISON, NEW JERSEY 08837

May 16, 2006

VIA E-MAIL AND U.S. MAIL
Robert Gallagher
Berner Construction, Inc.
1101 Quarry Road
Gap, PA 17527

Dear Mr. Gallagher:

Attached are EPA's modifications and comments to the Matteo Iron and Metal Site Workplan submitted by Berner Construction, Inc. to EPA with an attached cover letter dated May 12, 2006. As per Paragraph 30.b. of the Administrative Order, a revised work plan must be resubmitted to EPA within 7 days of receipt of these comments. There are no comments on the Site-Specific Health and Safety Plan.

If you have any questions I can be reached at 732.906.6191.

Sincerely,

Thomas P. Budroe

Enc.
cc: D. Cristiano, EPA-ORC
J. Rotola, EPA-ERRD
N. Magriples, EPA-ERRD
J. Matteo, Matteo Iron & Metal

The Carlyle Group

Real Estate Investments

22 May 2006

Matteo Brothers Management, Inc
1692 Crown Point Road
Thorofare, NJ 08086

Re: Soil Clean - Up at Willow Woods MHC, LLC

Dear Mr. Matteo:

Willow Wood MHC, LLC is willing to split the cost of either scenario in the estimated bids that Sierra Environmental Services, Inc. submitted for the work to be conducted at Willow Woods MHC.

Please contact me anytime if you have any questions or concerns that may arise in conducting this clean up action. Coordinate all work with the manager (Colette Mitchell) to necessitate any tenant cooperation. She can be reach at (856) 845-7114 from 9:00am - 4:30pm at Willow Woods's office.

Matthew E. Raynor
Environmental Director
For Willow Woods MHC, LLC

Cc: Joe Weber
Colette Mitchell

10006 Hammock Bend • Chapel Hill, NC 27517 • (919) 960-5739 • Fax (919) 960-5793 • E-Mail • Tarmatt@aol.com

The Carlyle Group

Real Estate Investments

22 May 2006

Matteo Brothers Management, Inc
1692 Crown Point Road
Thorofare, NJ 08086

Re: Fencing and Soil Removal Project Access at Willow Woods MHC, LLC

Dear Mr. Matteo:

Willow Wood MHC, LLC conveys limited access to portions of Willow Woods MHC that border Matteo Brothers Management Inc. property in conjunction with the fencing and soil removal project. Vehicles and personnel may pass through the park to the work location and operate equipment within the project envelope as outline in the Sierra Environmental Services proposals.

Please contact me anytime if you have any questions or concerns that may arise in conducting this clean up action. Coordinate all work with the manager (Colette Mitchell) to necessitate any tenant cooperation. She can be reach at (856) 845-7114 from 9:00am – 4:30pm at Willow Woods's office.

Matthew E. Raynor
Environmental Director
For Willow Woods MHC, LLC

Cc: Joe Weber
Colette Mitchell

10006 Hammock Bend • Chapel Hill, NC 27517 • (919) 960-5739 • Fax (919) 960-5793 • E-Mail • Tarmatt@aol.com

The Carlyle Group

Real Estate Investments

6 June 2006

Matteo Brothers Management, Inc
1692 Crown Point Road
Thorofare, NJ 08086

Re: Soil Clean – Up at Willow Woods MHC, LLC

Dear Mr. Matteo:

Willow Wood MHC, LLC is in agreement with the outlined work and safety plan submitted to the EPA by Sierra Environmental Services, Inc. Please contact me anytime if you have any questions or concerns that may arise in conducting this clean up action. Coordinate all work with the manager (Colette Mitchell) to necessitate any tenant cooperation. She can be reach at (856) 845-7114 from 9:00am – 4:30pm at Willow Woods's office.

Matthew E. Raynor
Environmental Director
For Willow Woods MHC, LLC

Cc: Joe Weber
Colette Mitchell

10006 Hammock Bend • Chapel Hill, NC 27517 • (919) 960-5739 • Fax (919) 960-5793 • E-Mail • Tarmatt@aol.com

BERNER CONSTRUCTION
INCORPORATED

June 21, 2006

Mr. Tom Budroe
USEPA II
Removal Action Branch
2890 Woodbridge Avenue
Edison, New Jersey 08837

Dear Mr. Budroe:

Enclosed please find two copies of the Removal Action Work Plan, the Sampling and Quality Assurance Project Plan, and the Project Health and Safety Plan for the soil excavation and removal activities at the Matteo/Willow Woods site in Thorofare, New Jersey

As you know, we are prepared to initiate this work early Monday June 26th, 2006 and hopefully will complete this work in a compressed time frame.

We look forward to your approval of these plans and to the successful completion of these soil removal activities.

Please feel free to call me with questions.

Sincerely,
Berner Constrnction, Inc.

J. Robert Gallagher, P.E.

Enclosures

1101 Quarry Road ° Gap, PA 17527 ° (717) 442-3110 ° fax (717) 442-0457 Email: bernerconst@aol.com

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION II
EDISON, NEW JERSEY 08837

June 22, 2006

James Matteo
Matteo Iron & Metal
1692 Crown Point Road
Thorofare, NJ 08086

Re: Soil Removal Action at the Matteo Iron & Metal Superfund Site and the Willow Woods Manufactured Home Community

Dear Mr. Matteo:

This letter serves as a notice of approval for the Work Plan dated June 2006 (Revised), provided by Berner Construction Inc., to the U.S. Environmental Protection Agency regarding the removal of contaminated soil at Matteo Iron & Metal Superfund Site located in West Deptford, New Jersey and the Willow Woods Manufactured Home Community also in West Deptford, NJ.

If you have any questions, please contact me at (732) 906-6191.

Sincerely yours,

Thomas P. Budroe, OSC
Removal Action Branch

cc: J. Rotola, EPA
N. Magriples, EPA
D. Cristiano, Esq., EPA
L. Fletcher, Esq.
B. Gallagher, P.E., Berner Construction

EDWIN R. BURGER & SON
0000 STREET ADDRESS
SEWELL, NJ 00000
(000) 000-0000

CHAINLINK FENCE SPECIFICATION

FABRIC:	96" 9 GA. GAW (2" Mesh) KT CHAIN-LINK FABRIC.
TOP RAIL:	1 5/8" O.D. SCHEDULE 40 PIPE, 2.27 lbs. per foot. Top rail 21' in length, joined with 1 5/8" 6" LONG SLEEVE.
LINE POST:	2 1/2" O.D. SCHEDULE 40 PIPE, 3.66 lbs. per foot. Line posts set 10' on center maximum spacing. Concrete footing: 8" diameter, 36" depth.
TERMINAL POST:	3" O.D. SCHEDULE 40 PIPE, 5.80 lbs. per foot. Concrete footing: 10" diameter, 36" depth.
TENSION WIRE:	7 GA. SPRING COIL CLASS III TENSION WIRE attached to bottom of fence fabric with 12 1/2 GA. 2 STRAND TWISTED TENSION WIRE spaced 24" on center.
BARBED WIRE:	3 strands of 12 1/2 GA 4 PT. CLASS III BARB WIRE on 3 WIRE 45 DEGREE IMPORT BARB ARM.
FITTINGS:	BEVELED BRACE BAND & CARRIAGE BOLT, PRESSED STEEL RAIL END, 3 WIRE 45 DEGREE IMPORT BARB ARM, PRESSED STEEL DOME CAP, 3/16" X 3/4" STEEL TENSION BAR, BEVELED TENSION BAND & CARRIAGE BOLT.
TIE WIRE:	8 1/4" ALUMINUM 9 GA. TIE WIRE spaced 15" on center for line posts & 24" on center for rails.
POST FOOTING:	~~TRUCK POURED~~ CONCRETE. HAND MIX

EDWIN R. BURGER & SON

732 MAIN STREET, BARNSBORO, N.J.
MAILING ADDRESS: P.O. BOX 184, SEWELL, N.J. 08080
PHONE: 856-468-2300 FAX: 856-468-3299

SUBMITTED TO:	PHONE:	DATE:
MATTEO BROTHERS MANAGEMENT	856-845-0398	04-06-06

STREET:	JOB LOCATION:
1692 CROWN POINT RD	SAME

CITY, STATE, ZIP:	FAX:
THOROFARE, NJ 08086	856-845-2331

ATTENTION:	ESTIMATOR:
JIM MATTEO	ED BURGER

WE HEREBY PLAN TO FURNISH AND INSTALL THE NECESSARY MATERIALS AND QUALIFIED LABOR FOR THE COMPLETION OF THE FOLLOWING PROJECT:

APPROXIMATELY 3880' OF 8' HIGH GALV. CHAIN LINK FENCE AS PER ATTACHED SPEC. SHEET. BURGER FENCE TO PROVIDE PERSONEL WITH 40 HOUR HAZ. WHOPPER TRAINING AND ALL OTHER REQUIRED SAFETY EQUIPMENT AND TRAINING.
ALONG ENTRANCE INSTALL APPROXIMATELY 130' OF 7' HIGH GALV. CHAIN LINK FENCE.

AFTER FENCE LINES HAVE BEEN SURVEYED WE WILL PROVIDE AN ESTIMATE TO CLEAR AND GRUB BRUSH.

ALL POSTS, RAILS, WIRES AND FITTINGS SHALL BE OF THE HIGHEST QUALITY STEEL. ALL MATERIALS TO MEET ONE OR MORE OF THE FOLLOWING SPECIFICATIONS: ASTM F-669, A-392, A-123, OR A-153.

CE: EIGHTY NINE THOUSAND SEVEN HUNDRED NINETY THREE DOLLARS $89,793.00

BURGER FED. ID.# 221821563-HOME IMPROVEMENT CONTRACTOR #13VH00025200
NOTE: THIS PROPOSAL MAY BE WITHDRAWN BY US IF NOT ACCEPTED WITHIN 60 DAYS. CUSTOMER IS RESPONSIBLE FOR ALL PROPERTY LINES, PERMITS AND LICENSES. UTILITY MARK-OUT NOTIFIED BY BURGER FENCE.

AUTHORIZED BURGER FENCE SIGNATURE: _____

AUTHORIZED ACCEPTANCE OF PROPOSAL-THE ABOVE PRICES, SPECIFICATIONS AND CONDITIONS ARE SATISFACTORY AND ARE HEREBY ACCEPTED. YOU ARE AUTHORIZED TO DO THE WORK AS SPECIFIED. BURGER AND SON IS NOT RESPONSIBLE FOR PRIVATELY INSTALLED UNDER GROUND OBSTRUCTION SUCH AS SPRINKLER SYSTEMS, OAS, PHONE, ELECTRICAL, CABLE, OR WATER LINES WE WILL HOWEVER CALL FOR A PUBLIC UTILITY MARK-OUT. WE ALSO AGREE THAT BURGER AND SON HAS THE RIGHT TO MAKE ADDITIONAL CHARGES IF UNUSUAL GROUND CONDITIONS SUCH AS ROCK FORMATIONS, HIDDEN FOUNDATIONS, TREE ROOTS, OR SIMILAR OBSTACLES HINDER THE INSTALLATION. PAYMENT WILL BE MADE AS OUTLINED ABOVE

DATE OF ACCEPTANCE _____ CUSTOMER SIGNATURE: _____

EDWIN R. BURGER & SON

732 MAIN STREET, BARNSBORO, N.J.
MAILING ADDRESS: P.O. BOX 184, SEWELL, N.J. 08080
PHONE: 856-468-2300 FAX: 856-468-3299

SUBMITTED TO:	PHONE:	DATE:
MATTEO BROTHERS MANAGEMENT	856-845-0398	04-06-06

STREET:	JOB LOCATION:
1692 CROWN POINT RD	SAME

CITY, STATE, ZIP:	FAX:
THOROFARE, NJ 08086	856-845-2331

ATTENTION:	ESTIMATOR:
JIM MATTEO	ED BURGER

WE HEREBY PLAN TO FURNISH AND INSTALL THE NECESSARY MATERIALS AND QUALIFIED LABOR FOR THE COMPLETION OF THE FOLLOWING PROJECT:

APPROXIMATELY 3880' OF 8' HIGH GALV. CHAIN LINK FENCE AS PER ATTACHED SPEC. SHEET. BURGER FENCE TO PROVIDE PERSONEL WITH 40 HOUR HAZ. WHOPPER TRAINING AND ALL OTHER REQUIRED SAFETY EQUIPMENT AND TRAINING.
ALONG ENTRANCE INSTALL APPROXIMATELY 130' OF 7' HIGH GALV. CHAIN LINK FENCE.

AFTER FENCE LINES HAVE BEEN SURVEYED WE WILL PROVIDE AN ESTIMATE TO CLEAR AND GRUB BRUSH.

POSTS, RAILS, WIRES AND FITTINGS SHALL BE OF THE HIGHEST QUALITY STEEL. ALL MATERIALS TO MEET ONE OR MORE OF THE FOLLOWING SPECIFICATIONS: ASTM F-669, A-392, A-123 ,OR A-153.

PRICE: EIGHTY NINE THOUSAND SEVEN HUNDRED NINETY THREE DOLLARS $89,793.00

BURGER FED. I.D.# 221821563-HOME IMPROVEMENT CONTRACTOR #13VH00025200
NOTE: THIS PROPOSAL MAY BE WITHDRAWN BY US IF NOT ACCEPTED WITHIN 60 DAYS. CUSTOMER IS RESPONSIBLE FOR ALL PROPERTY LINES PERMITS AND LICENSES. UTILITY MARK-OUT NOTIFIED BY BURGER FENCE.

AUTHORIZED BURGER FENCE SIGNATURE: [signature]

AUTHORIZED ACCEPTANCE OF PROPOSAL-THE ABOVE PRICES, SPECIFICATIONS AND CONDITIONS ARE SATISFACTORY AND ARE HEREBY ACCEPTED. YOU ARE AUTHORIZED TO DO THE WORK AS SPECIFIED. BURGER AND SON IS NOT RESPONSIBLE FOR PRIVATELY INSTALLED UNDER GROUND OBSTRUCTION SUCH AS SPRINKLER SYSTEMS, GAS, PHONE, ELECTRICAL, CABLE, OR WATER LINES. WE WILL HOWEVER CALL FOR A PUBLIC UTILITY MARK-OUT WE ALSO AGREE THAT BURGER AND SON HAS THE RIGHT TO MAKE ADDITIONAL CHARGES IF UNUSUAL GROUND CONDITIONS SUCH AS ROCK FORMATIONS, HIDDEN FOUNDATIONS, TREE ROOTS, OR SIMILAR OBSTACLES HINDER THE INSTALLATION. PAYMENT WILL BE MADE AS OUTLINED ABOVE.

DATE OF ACCEPTANCE 4-7-06 CUSTOMER SIGNATURE: [signature]

BERNER CONSTRUCTION
INCORPORATED

4 September 2006

James Matteo & Sons
1692 Crown Point Road
Thorofare, NJ 08084

Project: James Matteo & Sons

Subject: Invoice 228

Dear Mr. Matto:

Please find the enclosed Invoice Number 228 for professional services associated with the lead soil removal effort. Activities performed during the period include:

- Development and resubmission of Project Plans (Work, HSAP, Sampling etc.) for the soil removal effort associated with the lead contaminated soil beneath the mobile home.
- Soil screening and sampling
- Oversight for the soil removal effort associated with the lead contaminated soil beneath the mobile home which included:
    1) location of utilities
    2) raising of the mobile home
    3) removal and stockpiling of lead contaminated soil
    4) soil screening during the soil removal effort
    5) installation of the concrete cap beneath the mobile home
    6) off site disposal of lead contaminated soil
- Meetings with the USEPA OSC
- Meetings with subcontractors
- Analytical services

Should you have any questions or require clarification regarding this invoice, you may reach Jim Irey at (610) 639-3791 or me at (717) 442-3110.

Sincerely,

Berner Construction Incorporated

Andrea K. Irey, P.E.
President

Enclosure

1101 Quany Road ° Gap, PA 17527 ° (717) 442-3110 ° fax (717) 442-0457 ° Email: andrea.irey@bemerconstmction.com

Berner Construction, Incorporated

1101 Quarry Road
Gap, PA 17527

Invoice

Date	Invoice #
9/3/2006	228

Bill To
James Matteo & Sons 1692 Crown Point Road Thorofare, NJ 08084

Terms	Due Date
Net 30	10/3/2006

Description	Qty	Unit	Rate	Amount
Professional services associated with the lead impacted soil removal effort a the trailer park for the period 23 June through 20 July 2006. Development of project specific Work, Quality Control, Sampling and Sampling plans for lead soil removal effort. Activities include soil screening with XRF unit, subcontractor oversight, coordination with subcontractor and USEPA OSC. Performed oversight during raising of mobile home, lead soil removal effort, confirmatory soil sampling and installation of concrete cap.				
Senior Professional Engineer	110	Hours	105.00	11,550.00
Senior Professional Engineer	12	Hours	115.00	1,380.00
Administrative services	14	Hours	35.00	490.00
Rental of XRF Unit	1	Month	5,390.00	5,390.00
Postage	1	Lump Sum	137.72	137.72
Sampling equipment	1	Lump Sum	835.40	835.40
Analytical Services	1	Lump Sum	618.00	618.00
Mileage and tolls	1	Lump Sum	325.05	325.05
		Total		$20,726.17

Phone #	Fax #	E-mail
(717) 442-3110	(717) 442-0457	andrea.irey@bernerconstruction.com

BERNER CONSTRUCTION
INCORPORATED

4 September 2006

James Matteo & Sons
1692 Crown Point Road
Thorofare, NJ 08084

Project: James Matteo & Sons

Subject: Invoice 227

Dear Mr. Matto:

Please find the enclosed Invoice Number 227 for professional services associated with the lead soil removal effort. Activities performed during the period include:

- Development and resubmission of Project Plans (Work, HSAP, Sampling etc.) for the fence installation and soil removal effort
- Soil screening and sampling
- Oversight for the installation of the chain link fence and soil removal effort
- Meetings with the USEPA OSC
- Meetings with the attorneys
- Meetings with subcontractors

Should you have any questions or require clarification regarding this invoice, you may reach Jim Irey at (610) 639-3791 or me at (717) 442-3110.

Sincerely,

Bemer Construction Incorporated

Andrea K. Irey, P.E.
President

Enclosure

1101 Quarry Road ° Gap, PA 17527 ° (717) 442-3110 ° fax (717) 442-0457 ° Email: andrea.irey@bernerconstruction.com

Berner Construction, Incorporated

1101 Quarry Road
Gap, PA 17527

Invoice

Date	Invoice #
9/3/2006	227

Bill To
James Matteo & Sons 1692 Crown Point Road Thorofare, NJ 08084

Terms	Due Date
Net 30	10/3/2006

Description	Qty	Unit	Rate	Amount
Professional services from 23 June through 20 July 2006. Services included development of Work, Sampling, Quality Control and Safety Plans. Field screening of soil samples with XRF unit to determine levels of lead in soil. Oversite of chain link fence installation, removal and off-site disposal of lead contaminated soils. Coordination with subcontractors and USEPA OCS.			0.00	0.00
Senior Professional Engineering Services	120	Hours	105.00	12,600.00
Senior Professional Engineering Services	8	Hours	115.00	920.00
Administrative services	16	Hours	35.00	560.00
Rental of XRF Unit	1	Month	4,700.00	4,700.00
Sampling supplies	1	Lump Sum	110.00	110.00
Mileage and tolls	1	Lump Sum	359.00	359.00
		Total		$19,249.00

Phone #	Fax #	E-mail
(717) 442-3110	(717) 442-0457	andrea.irey@bernerconstruction.com