

February 1, 2002 File # 38939.002 GANNETT FLEMING ENGINEERS AND ARCHITECTS, P.C.

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Girish Desai New York State Department of Environmental Conservation Building 40 – SUNY Stony Brook, New York 11790-2356

Re: Site Investigation/Interim Remedial Measure Report Addendum for the

Site Located at 425 Merrick Avenue, Westbury, New York.

NYSDEC Site ID #130061.

Dear Mr. Desai:

On behalf of McMillan, Rather, Bennett & Rigano; Nixon Peabody; and Aerojet (Counsel for the Potentially Responsible Parties [PRPs]), Gannett Fleming Engineers and Architects, P.C. is transmitting two copies of the revised Site Investigation/Interim Remedial Measure Report Addendum for the Site Located at 425 Merrick Avenue, Westbury, New York (NYSDEC Site ID #130061). Additionally, two copies of the Proposed Remedial Action Plan (PRAP) and one copy of the Fact Sheet are provided for your use. If you have any questions, or comments regarding this document, please contact Gregory Ernst or Tom Lobasso at (516) 671-8440.

Sincerely,

GANNETT FLEMING ENGINEERS AND ARCHITECTS, P.C.

GREGORY ERNST Senior Scientist

THOMAS LOBASSO Project Director

GE:TL/gf Encl.

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425 MERRICK AVENUE WESTBURY, NEW YORK

SITE INVESTIGATION AND INTERIM REMEDIAL MEASURE REPORT ADDENDUM NYSDEC SITE ID # 130061

PROJECT #38939.002 AUGUST 2001 REVISED FEBRUARY 2002



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Locations Nationwide

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1.0 INTRODUCTION

This report is an addendum to the Site Investigation and Interim Remedial Measure Report (SI/IRM Report) for the Site located at 425 Merrick Avenue in Westbury, New York, prepared by ARCADIS Geraghty & Miller, Inc. in December 2000. The site is identified on the New York State Department of Environmental Conservation (NYSDEC) Registry of Inactive Hazardous Waste Sites (NYSDEC Site ID # 130061) and its location is shown on Figure 1. This report documents additional investigations and interim remedial measures conducted since the SI/IRM Report was completed in December 2000 and incorporates revisions requested by the NYSDEC and New York State Department of Health (NYSDOH) to the December 2000 SI/IRM Report. Site investigation activities consisted of sub-foundation soil sampling following the demolition of buildings and structures at the site. Additional IRM excavations were conducted to remove residual mercury-contaminated soil from previous excavations west of Building II, the Surface Soil IRM adjacent to Boring B-12, and beneath Building II (identified during the sub-foundation sampling). A site plan showing site investigation and IRM locations is provided on Figure 2.

At the request of the NYSDOH, soil samples were collected beneath the foundations of buildings where IRMs had previously been conducted. These samples were collected to confirm that the contaminants had not migrated through the foundations and into the soil. The Sub-Foundation Sampling Plan (ARCADIS Geraghty & Miller November 2000) was prepared and approved by the NYSDEC.

Based on review of the IRM excavation end point sample data, the NYSDEC requested that additional soil removal from areas where mercury concentrations remained greater than 0.2 milligrams per kilogram (mg/kg); twice the Technical and Administrative Guidance Memorandum (TAGM) Recommended Soil Cleanup Criteria for mercury of 0.1 milligram per kilogram (mg/kg). Three previous IRM end point samples locations: the west wall and bottom of

the IRM west of Building II (Samples Bldg2-B and Bldg2-D, respectively) and the east and south wall of the surface soil IRM adjacent to B-12 (Samples NP-A and NP-E, respectively) exceeded 0.2 mg/kg.

2.0 SUB-FOUNDATION SOIL SAMPLING

From August to November 2000, the site buildings and structures were demolished. Demolition activities included the removal of all foundations from the site. On November 21, 2000, seven soil samples were collected from zero to two feet below the excavated foundations. Grab samples were collected using a stainless steel hand auger. The hand auger was decontaminated before and between collecting samples using the procedures outlined in the Field Sampling Plan (FSP) provided as Appendix D of the SI/IRM Work Plan (Geraghty & Miller, 1997).

Samples were designated MR-1 through MR-7. Samples were placed directly into laboratory-supplied containers and stored in an ice-filled insulated cooler for shipment to Severn Trent Laboratories, Inc. (formerly IEA, Inc.) for analysis. Analytical parameters for each location were specific to the nature of the constituents removed during the initial IRM excavation work. Table 1 (revised from Table 4-1 of the SI/IRM Report) provides a summary of the analytical parameters for the site investigation, sub-foundation sampling, and IRMs. Field sampling and laboratory analysis, including quality assurance/quality control (QA/QC) analysis, were performed in compliance with the requirements of the Quality Assurance Project Plan (QAPjP) provided in Appendix E of the SI/IRM Work Plan.

2.1 Sub-Foundation Sampling Results

Analysis of sub-foundation samples did not detect polychlorinated biphenyls (PCBs) at concentrations above the NYSDEC Recommended Soil Cleanup Criteria for surface soil of 1 mg/kg. Inorganic analytes, except mercury, were not detected above their applicable state cleanup criteria. Mercury was detected at 3.6 mg/kg in Sample MR-4 above the NYSDEC Recommended Soil Cleanup Criteria of 0.1 mg/kg. Sub-foundation soil sample analytical results are summarized in Table 2. Laboratory reports are provided in Appendix A.

SUMMARY OF DATA QUALIFICATIONS

Sample ID Analyte
Data stands as reported without qualification. Analyte QL DL

4.0 CONCLUSION

Post-IRM confirmatory end-point soil sample concentrations from the Site were below the soil cleanup guidelines, with the exception of isolated detections of mercury and PCBs. Five of the 24 soil samples contained mercury slightly above the cleanup guideline of 0.1 mg/kg, to a maximum value of 0.2 mg/kg. A post-excavation soil sample collected from the bottom of GP-1, at a depth of 12 feet below grade, contained PCBs at 211 mg/kg. Soil samples collected from the sides of GP-1 contained PCBs at a maximum concentration of 5.5 mg/kg. Physical constraints prevented additional soil removal at GP-1 during the IRM. After the excavation was backfilled, a soil boring was drilled in the center of GP-1 to further delineate the vertical limit of PCBs exceeding the 10 mg/kg subsurface soil cleanup guideline. The laboratory results of two soil samples collected from 14 to 16 feet below grade and 16 to 18 feet below grade contained PCBs at 1.87 mg/kg and 0.074 mg/kg, respectively, well within the state cleanup guideline. The additional sampling at GP-1 demonstrated that residual PCB contamination, if any, was isolated and at a sufficient depth to prevent significant exposure; the NYSDEC determined that no further excavation was necessary.

The results of the sub-foundation sampling and IRM activities at the 425 Merrick Avenue Site have demonstrated that the Site is in compliance with NYSDEC soil quality criteria. All soil impacts identified during this and previous investigations and IRMs have been remediated to the NYSDEC Recommended Soil Cleanup Criteria. In total, IRMs removed approximately 660 cubic yards of impacted soil from the Site. The soil quality data from the entire SI/IRM program is provided in Table 4 (Revised Table 6-1 of the SI/IRM Report). Table 5 (Table 6-2 of the SI/IRM Report) provides the groundwater quality data previously collected. Using these data as a basis, Gannett Fleming concludes that no further actions are required for the Site located at 425 Merrick Avenue in Westbury, New York.

The results of the additional SI/IRM supports the conclusion of the SI/IRM Report (December 2000) that disposal of hazardous waste was not prevalent at the Site. The investigation further confirmed that there is no significant threat to the environment or human health posed by the Site. Environmental impacts were limited to isolated areas in shallow soils above the water table which have been removed. Groundwater sample analyses demonstrated that groundwater quality has not been impacted by site operations, therefore regional groundwater quality has not been negatively affected. For these reasons, Gannett Fleming requests, on behalf of the potentially responsible parties, that the Site be removed from the NYSDEC Registry of Inactive Hazardous Waste Sites.

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3.0 INTERIM REMEDIAL MEASURES

Concentrations of mercury detected above 0.2 mg/kg (twice the NYSDEC Recommended Soil Cleanup Criteria) were identified in three locations. These locations were the previous Interim Remedial Measures (IRM) west of Building II, the previous surface soil IRM surrounding Site Investigation Samples A, B, and C (identified as the North Pit IRM; end point samples prefixed by "NP"), and the sub-foundation sample location MR-4 (Figure 2). The additional IRMs were conducted using the methods and procedures outlined in the SI/IRM Work Plan. This section describes the volume of soil removed and the end-point sample analytical results for the IRMs of each location.

Prior to removing additional soil from the bottom and west wall of the IRM west of Building II, the clean fill placed in the excavation following the previous IRM was removed. The clean fill had been contained within plastic sheeting that had been laid in the previous IRM excavation before backfilling in order to keep the fill separated from potentially contaminated soil. The clean fill was stockpiled for reuse in the excavation following the removal of additional mercury-impacted soil from this excavation.

Prior to removing additional soil, three grab samples were collected from the bottom of the IRM excavation west of Building II at the previous sample locations D, E, and F. The grab samples were screened using the field immunoassay test kits to determine the extent of residual mercury-impacted soil along the bottom of the excavation. The screening did not detect mercury in Sample D, but detected approximately 1.0 mg/kg in Sample E and approximately 11 mg/kg in Sample F. Concentrations of mercury in Samples E and F indicated that residual mercury-impacted soil was limited to the southern two thirds of the previous IRM excavation.

From April 24, 2001 through June 27, 2001, a series of excavations were conducted to remove mercury-impacted soil from the IRMs. At the completion of the IRM activities, approximately

one foot of soil was removed from the western wall, and approximately one foot of soil was removed from the bottom in the southern two-thirds of the IRM west of Building II equaling approximately 24 cubic yards of additional soil removed from this IRM. Approximately two feet of soil was removed from the south wall and nine feet of soil from the east wall of the North Pit IRM equaling approximately 19 cubic yards of additional soil removed from this IRM. Approximately 156 cubic yards of soil were removed from the IRM surrounding Sample MR-4, with that excavation measuring 25 feet wide by 48 feet long by 3.5 feet deep.

End point composite samples, one from the west wall and one from the bottom of the IRM west of Building II; one from the south wall and one from the east wall of the North Pit IRM; and one from the bottom and each of the north, south, and east walls of the MR-4 IRM were collected for confirmatory laboratory analysis of mercury. The soil samples were collected and analyzed in accordance with the FSP (Appendix D) and the QAPjP (Appendix E) provided in the SI/IRM Work Plan.

The IRM excavations remained open, but were fenced off with temporary construction fencing pending receipt of the laboratory analytical results. When laboratory analytical results detected mercury greater than 0.2 mg/kg in an end point sample, additional soil was removed from that location and then resampled. Upon receipt of laboratory analytical results at or below 0.2 mg/kg (Section 3.1, Final IRM End Point Sampling Results), the IRM west of Building II was backfilled with the clean fill previous removed from this location. The North Pit IRM and MR-4 IRM excavations sidewalls were graded into the surrounding area. A schematic of the IRMs west of Building II and MR-4 is provided on Figure 3 (revised from Figure 4-7 of the December 2000 SI/IRM Report). A schematic of the North Pit IRM is provided on Figure 4 (revised from Figure 4-6 of the December 2000 SI/IRM Report).

3.1 Final IRM End Point Sampling Results

All final composite end point soil samples detected mercury concentration at or below 0.2 mg/kg resulting from the IRM activities. The western wall and bottom of the IRM west of Building II detected mercury at 0.11 mg/kg and 0.084 mg/kg, respectively. The final end point samples for

the North Pit IRM detected mercury at 0.029 mg/kg in the south wall and 0.20 mg/kg in the east wall. The MR-4 IRM final end point samples detected mercury at 0.083 mg/kg in the bottom, and 0.063 mg/kg, 0.036 mg/kg, and 0.024 mg/kg in the north, east, and south walls of the excavation. Final composite end point soil sample data is provided in Table 3. Laboratory analytical reports are provided in Appendix A.

3.2 Disposal

Prior to transport and disposal, the mercury-impacted soil was staged on top of and covered with plastic sheeting prior to off-site disposal. The soil was disposed of as landfill material at Wayne Disposal, a subsidiary of the Environmental Quality (EQ), located in Bellville, Michigan. The mercury-impacted soil was disposed of as non-hazardous waste using the waste profile established during the previous IRMs conducted at the Site. The soil was used as cover material at the Subtitle C landfill cell at the Wayne Disposal facility. A total of 256 tons of non-hazardous mercury-impacted soil was removed from the site. Copies of waste disposal manifests for the soil generated during the IRMs are provided in Appendix B.

3.3 Quality Assurance/Quality Control

Analytical results were reviewed for completeness and adherence to the analytical methodology. Soil data was reviewed for compliance and holding times, blank results, and spike result. Results which were not in compliance with QA/QC protocols were qualified as estimated and flagged with a "J." Overall, the quality of the data was acceptable with only minor qualification necessary. A Data Use Summary Report is provided in Appendix A.

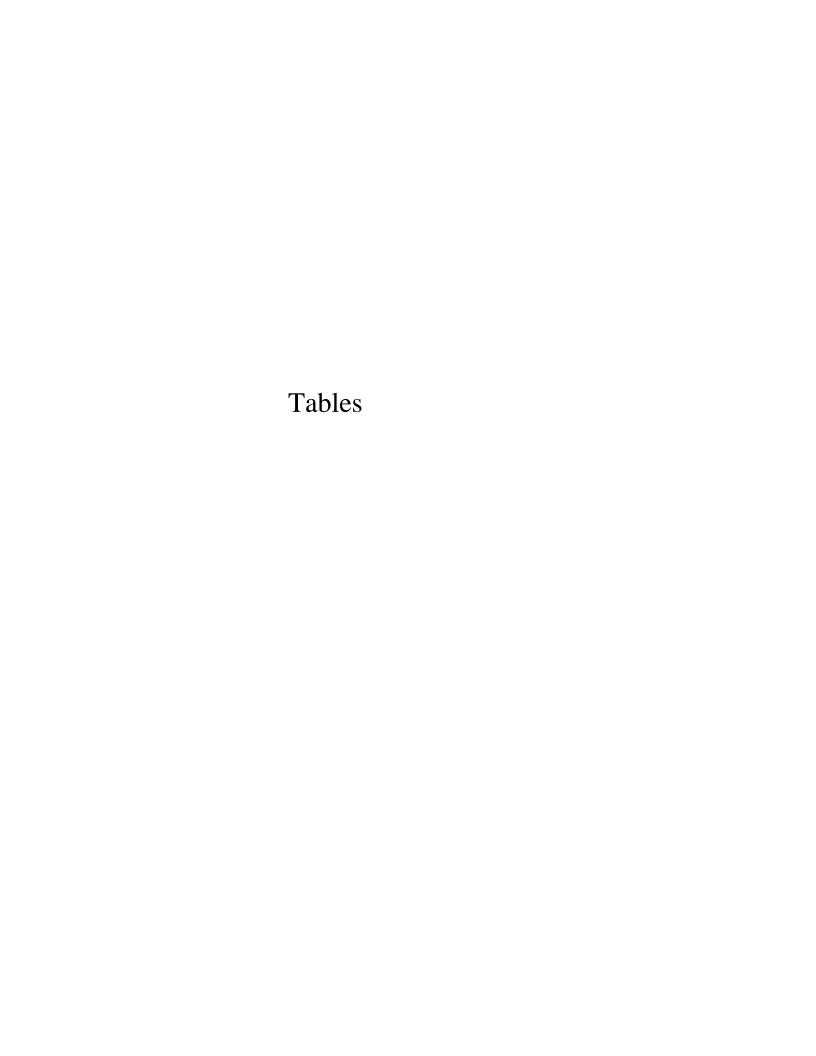


Table 1. Soil Sample Summary for Site Investigation and IRMs at the Site Located at 425 Merrick Avenue, Westbury, New York.

Sample Designation	Date Collected	Area of Concern	Depth (feet below grade)	Parameter List	Analytical Method
Site Investigation					
B-2	7/31/97	High TPH	10 to 12	VOCs, PAHs	8021, 8270
B-12	7/31/97	Data Gap	0 to 2	PCBs, PAHs	8081, 8270
B-13	7/31/97	Data Gap	0 to 2	PCBs, PAHs	8081, 8270
B-14	7/30/97	Stained Soil (TP-II)	0 to 2	PCBs	8081
B-15	7/30/97	Stained Soil (TP-III)	0 to 2	PCBs	8081
B-16	7/31/97	Stained Soil (TP-IV), Transformers	0 to 2	PCBs	8081
B-16	7/31/97	Stained Soil (TP-IV), Transformers	0 to 2	TAL/TCL List	95-1, 95-2, 95-3, 95-4
B-16A	12/30/97	Previous Soil Sample Results	2 to 3	PAHs	8270
B-17	7/31/97	Stained Soil (TP-VIII)	0 to 2	PCBs	8081
B-17	7/31/97	Stained Soil (TP-VIII)	0 to 2	TAL/TCL List	95-1, 95-2, 95-3, 95-4
B-17 Endpoint	1/28/98	Vertical Delineation	3 to 4	Hg & Cu	7471, 6010
B-17 North	1/28/98	Horizontal Delineation	0 to 2	Hg & Cu	7471, 6010
B-17 East	1/28/98	Horizontal Delineation	0 to 2	Hg & Cu	7471, 6010
B-17 South	1/28/98	Horizontal Delineation	0 to 2	Hg & Cu	7471, 6010

Table 1. Soil Sample Summary for Site Investigation and IRMs at the Site Located at 425 Merrick Avenue, Westbury, New York.

Sample Designation	Date Collected	Area of Concern	Depth (feet below grade)	Parameter List	Analytical Method
Site Investigation (cont.)					
B-17 West	1/28/98	Horizontal Delineation	0 to 2	Hg & Си	7471, 6010
B-18	7/30/97	Septic Field	5 to 7	PCBs, PAHs	8081, 8270
B-19	7/30/97	Septic Field	4 to 6	PCBs, PAHs	8081, 8270
B-20	7/30/97	Stained Soil (TP-V)	0 to 2	PCBs	8081
B-21	7/31/97	Stained Soil (TP-VI)	2 to 4	PCBs	8081
B-21	7/31/97	Stained Soil (TP-VI)	0 to 2	TAL/TCL List	95-1, 95-2, 95-3, 95-4
B-22	7/31/97	Leaching Ring	9 to 10	PCBs, PAHs	8081, 8270
B-23	7/31/97	Stained Soil (TP-IX)	0 to 2	PCBs	8081
B-23	7/31/97	Stained Soil (TP-IX)	0 to 2	TAL/TCL List	95-1, 95-2, 95-3, 95-4
B-23 Endpoint	1/28/98	Vertical Delineation	3 to 4	Hg & Cr	7471, 6010
B-23 North	1/28/98	Horizontal Delineation	0 to 2	Hg & Cr	7471, 6010
B-23 East	1/28/98	Horizontal Delineation	0 to 2	Hg & Cr	7471, 6010
B-23 South	1/28/98	Horizontal Delineation	0 to 2	Hg & Cr	7471, 6010
B-23 West	1/28/98	Horizontal Delineation	0 to 2	Hg & Cr	7471, 6010

Table 1. Soil Sample Summary for Site Investigation and IRMs at the Site Located at 425 Merrick Avenue, Westbury, New York.

Sample Designation	Date Collected	Area of Concern	Depth (feet below grade)	Parameter List	Analytical Method
Site Investigation (cont.)	E				
B-25	8/1/97	Storm Drain 4	0 to 2	PCBs, PAHs	8081, 8270
B-26	8/1/97	Storm Drain 5	5 to 7	PCBs, PAHs	8081, 8270
B-27	7/30/97	Stained Soil (TP-I), High TPH	0 to 2	VOCs, PAHs	8021, 8270
B-28	7/30/97	Storm Drain 2, High TPH	10 to 12	VOCs, PAHs	8021, 8270
B-29	8/1/97	Storm Drain 1, High TPH	2 to 4	PCBs, VOCs	8081, 8021
B-30	7/30/97	Transformers	0 to 2	PCBs	8081
B-31	8/1/97	Catch Basin	10 to 12	PCBs, PAHs	8081, 8270
B-32	6/2/00	Northern Septic Tank	8 to 9	PCBs, PAHs	8081, 8270
Cesspool Soil	7/30/97	Southern Septic Field	œ	PCBs, VOCs, PAHs	8081, 8021, 8270
Cesspool Liquid	7/30/97	Southern Septic Field	σ	PCBs, VOCs, PAHs	8081, 8021, 8270
>	11/12/99	Earthen Drainage Area	0 to 2	PCBs, Hg	8081, 7471
83	11/12/99	Earthen Drainage Area	0 to 2	PCBs, Hg	8081, 7471
С	11/12/99	Earthen Drainage Area	0 to 2	PCBs, Hg	8081, 7471
D	11/12/99	Earthen Drainage Area	0 to 2	PCBs, Hg	8081, 7471

Table 1 Soil Sample Summary for Site Investigation and IRMs at the Site Located at 425 Merrick Avenue, Westbury, New York.

Sample Designation	Date Collected	Area of Concern	Depth (feet below grade)	Parameter List	Analytical Method
Site Investigation (cont.)					
Ш	11/12/99	Earthen Drainage Area	0 to 2	PCBs, Hg	8081, 7471
TI	11/12/99	Earthen Drainage Area	0 to 2	PCBs, Hg	8081, 7471
MR-1	11/21/00	Sub-foundation Adjacent to IRM	0 to 2	PCBs, Hg	8082, 7471
MR-2	11/21/00	Sub-foundation Adjacent to IRM	0 to 2	PCBs, Hg, Cr, Cd	8082, 7471, 6010
MR-3	11/21/00	Sub-foundation Adjacent to IRM	0 to 2	PCBs, TAL Metals	8082, 95-3
MR-4	11/21/00	Sub-foundation Adjacent to IRM	0 to 2	PCBs, Hg, Cr	8082, 7471, 6010
MR-5	11/21/00	Sub-foundation Adjacent to IRM	0 to 2	PCBs, Hg, Cr	8082, 7471, 6010
MR-6	11/21/00	Sub-foundation Adjacent to IRM	0 to 2	PCBs, Hg	8082, 7471
MR-7	11/21/00	Sub-foundation Adjacent to IRM	0 to 2	PCBs, Hg	8082, 7471
Final IRM Samples					
TP-VII N	7/29/97	Test Pit VII, Transformers	ω	PCBs, VOCs, PAHs	8081, 8021, 8270
TP-VII E	7/30/97	Test Pit VII	ω	PCBs, VOCs	8081, 8021
TP-VII S	7/30/97	Test Pit VII	ω	PCBs, VOCs, PAHs	8081, 8021, 8270
TP-VII S	7/30/97	Test Pit VII	ွယ	TAL/TCL List	95-1, 95-2, 95-3, 95-4

Table 1. Soil Sample Summary for Site Investigation and IRMs at the Site Located at 425 Merrick Avenue, Westbury, New York.

Sample Designation	Date Collected	Area of Concern	Depth (feet below grade)	Parameter List	Analytical Method
Final IRM Samples (cont.)	nt.)				
TP-VII SW	12/30/97	Test Pit VII (final south wall end point)	ω	TAL Metals, PCBs, Pesticides	95-3, 95-4
TP-VII W	7/29/97	Test Pit VII	ω	PCBs, VOCs, PAHs	8081, 8021, 8270
TP-VII BTM	7/29/97	Test Pit VII	4 to 6	PCBs, VOCs, PAHs	8081, 8021, 8270
GP-1 BTM	7/29/97	Grease Pit 1	12	PCBs, VOCs, PAHs	8081, 8021, 8270
GP-1 SIDE	7/29/97	Grease Pit 1	(J)	PCBs, VOCs, PAHs	8081, 8021, 8270
GP-2	7/25/97	Grease Pit 2	4 to 8	PCBs, VOCs, PAHs	8081, 8021, 8270
B-12	12/30/97	PCBs in Surface Soil	2 to 3	PCBs	8081
B-17 NORTH	4/29/98	Test Pit VIII	N	PCBs, Hg	8081
B-17 SOUTH	4/29/98	Test Pit VIII	ю	PCBs, Hg	8081
B-17 EAST	4/29/98	Test Pit VIII	10	PCBs, Hg	8081
B-17 BOTTOM	4/29/98	Test Pit VIII	4	PCBs, Hg	8081
B-21 BOT	12/30/97	Test Pit VI	ω	PAHs	8270
B-21 SIDE	12/30/97	Test Pit VI	12	PAHs	8270

Table 1. Soil Sample Summary for Site Investigation and IRMs at the Site Located at 425 Merrick Avenue, Westbury, New York.

Sample Designation	Date Collected	Area of Concern	Depth (feet below grade)	Parameter List	Analytical Method
Final IRM Samples (cont.)	nt.)				
B-23 NORTH	4/29/98	Test Pit IX	ζī	Hg	7471
B-23 SOUTH	4/29/98	Test Pit IX	СЛ	Hg	7471
B-23 EAST	4/29/98	Test Pit IX	Œ	Hg	7471
B-23 BOTTOM	4/29/98	Test Pit IX	10	Hg	7471
B-23 WEST	4/29/98	Test Pit IX	ហ	Нд	7471
B-24	7/30/97	Strom Drain 3	4 to 5	PCBs, VOCs, PAHs	8081, 8021, 8270
Cesspool	1/2/98	Southern Septic Field	1	SVOCs	95-2
CP1	7/5/00	Northern Septic Tank	10	PCBs, Hg	8081, 7471
NP-B (North)	6/1/00	PCBs & Hg in Surface Soil	22	PCBs, Hg	8081, 7471
NP-C (West)	6/1/00	PCBs & Hg in Surface Soil	N	PCBs, Hg	8081, 7471
NP-D (Bottom)	6/1/00	PCBs & Hg in Surface Soil	ω	PCBs, Hg	8081, 7471
NP-E. Wall (East)	6/5/01	PCBs & Hg in Surface Soil	N	PCBs, Hg	8081, 7471
NP-S.Wall (South)	4/24/01	PCBs & Hg in Surface Soil	N	PCBs, Hg	8081, 7471

Table 1. Soil Sample Summary for Site Investigation and IRMs at the Site Located at 425 Merrick Avenue, Westbury, New York.

Sample Designation	Date Collected	Area of Concern	Depth (feet below grade)	Parameter List	Analytical Method
Final IRM Samples (cont.)			-		
BLDG2-A (South)	6/1/00	Hg in Surface Soil	2	Hg	7471
BLDG2-C (North)	6/1/00	Hg in Surface Soil	2	Hg	7471
BLDG2-W-WALL (West)	4/24/01	Hg in Surface Soil	N	Hg	7471
BLDG2-BOTTOM	4/24/01	Hg in Surface Soil	3.5	Hg	7471
MR4-N.WALL (North)	6/5/01	Hg in Sub-Foundation Soil	72	Hg	7471
MR4-S.WALL (South)	6/27/01	Hg in Sub-Foundation Soil	N	Нg	7471
MR4-E.WALL (East)	6/5/01	Hg in Sub-Foundation Soil	2	Hg	7471
MR4-BOTTOM	5/22/01	Hg in Sub-Foundation Soil	4	Нg	7471

- NOTES:
 PAHs Polyaromatic Hydrocarbons
- SVOCs Semivolatile Organic Compounds
- VOCs Volatile Organic Compounds
 PCBs Polychlorinated Biphenyl Compounds
- TAL TCL - Target Compound List - Target Analyte List

- Hg Mercury
 Cu Copper
 Cr Chromium
 Cd Cadmium

Table 2. Sub-Foundation Soil Sampling Results, 425 Metrick Avenue, Westbury, New York.

			· · · · · · · · · · · · · · · · · · ·				
əniS			9.11				
muibeneV		**	£.3>				
Thallium			f.f>				
muibo&	*-		<2S8		==		
Silver			f.f>				
muinələ2			55.0>				
Potassium			829>	•-		1	**
Nickel			S. 4 >				
Mercury	<0.12	01.0>	11.0>	6.5	01.0>	01.0>	01.0>
Manganese			L 8.ST	**			
Magnesium			82S>				
Lead			Z.T				
Iron			3250				
Copper		**	L 8.S				
Cobalt			£.3>				
Chromium		Ր 9:9	L E.E	L 1.8	Ն 8. ⊅		
Calcium			1400 J				
MuimbsO		SS.0>	65.0>				
Berylium		~~	65.0>				
Barium			1.15>				
Arsenic			9.1				
γηοπιΙηΑ			t E.3>				
munimulA			3280			***	
<u>Metals</u>							
Total PCBs	ST0.0	ΑN	ΑN	L	ΑN	980.0	ΑN
Arochlor-1260	650.0>	<0.034	<0.035	L 9E0.0>	1 50.0>	<0.034	4 60.0>
Arochlor-1254	ST0.0	<0.034	560.0>	L YY0.0	₽ £0.0>	4 E0.0>	₽ £0.0>
Arochlor-1248	6£0.0>	4£0.0>	<0.035	<u> የ 9</u> 80.0>	\$ 60.0>	0.035	4 60.0>
Arochlor-1242	650.0>	⊅ £0.0>	SE0.0>	Ր 980.0>	4 60.0>	460.0>	<0.034
Arochlor-1232	650.0>	₽ £0.0>	<0.035	Ր 960.0>	4 60.0>	460.0>	₽ €0.0>
FSS1-10chlor-1221	650.0>	> 0.03 4	<0.035	L 860.0>	1 50.0>	<0.034	1 0.0>
Arochlor-1016	650.0>	460.0>	<0.035	L 9E0.0>	4 60.0>	4 50.0>	⊅ £0.0>
Polychlorinated Biphenyla	(PCBs)						
Parameters (mg/kg)							
Sample ID: Sample Date:	11/21/00 11/21/00	11/21/00	11/21/00 13/21/00	11/21/00	8-8M 11/21/00	11/51/00 11/51/00	7-AM 11/21/00

NOTES

-- Not Analyzed.
mg/kg Milligrams per kilogram.
Not Applicable.

Lestimated value.

Table 3. Final IRM Endpoint Soil Sample Results, 425 Metrick Avenue, Westbury, New York.

motto8 4-AM	2/55/01	£80.0	
MR-4 E. Wall (East)	10/9/9	960.0	
MR-4 M. Wall (North)	10/9/9	590.0	
MR-4 S. Wall (South)	10/72/8	0.024	
<u>MR-4 IRM</u>			
NP-E. Wall (East)	P/S/9	02.20	
NP-S. Wall (South)	4\24\01	0.029	
St-8 of treselecent to 8-12			
Bottom (Bldg 2)	\$\.\\$\\\	4 80.0	
W. Wall #1 (Bldg 2) (West)	4/24/01	11.0	
If polibiling to teaW MAI			
Sample ID:	Collected	(mg/kg) Mercury	
		лаполару	

w∂∖k∂ NOLEZ:

mg/kg Milligrams per kilogram. Data stands as reported without qualification following validation.

Table 4. Site Investigation /Interim Remedial Measure Soil Quality Evaluation, 425 Merrick Avenue, Westbury, New York.

SB	13 or SB	3.3	TP-VII S	ND to 34.6	Nickel
			D, E, F, MR-4		
	0.1	0.2**	B-17, B-23, B-32, TP-VII S, A, B, C,	ND to 102	Mercury
SB	25 or SB	8.7	B-17, TP-VII S	ND to 78.8	Copper
SB	50 or SB	4.6	B-23, TP-VII S	ND to 199	Chromium
SB	7.5 or SB	1.5	TP-VII S	ND to 14.6	Arsenic
	50	ND	B-32	ND to 97	Phenanthrene
	<u></u>	ND D	TP-VII S	ND to 1.1	Pentachlorophenol
4	0.014	ND	B-13	ND to 0.05	Dibenzo(a,h)anthracene
			B-27, B-28, TP-VII BTM		
<u> </u>	0.061	0.067	B-12, B-13, B-16, B-17, B-23, B-24,	ND to 1.1	Benzo(a)pyrene
.4	0.224	0.056	B-12, B-13, B-16, B-24, B-28	ND to 1.1	Benzo(k)fluoranthene
4.	0.224	0.067	B-12, B-13, B-16, B-24, B-28	ND to 1.3	Benzo(b)fluoranthene
1	0.4	0.072	B-12, B-13, B-16	ND to 1.4	Chrysene
'	0.22	0.067	B-12, B-13, B-16	ND to 1.2	Benzo(a)anthracene
urface)	10 (subsurface)	8.7*	B-24, B-32, GP-1/GP-2, TP-VII	ND to 2,670	PCBs-Subsurface Soil
ace)	1 (surface)	0.74	B-12, B-21, A, B, C, D, E, F	ND to 290	PCBs-Surface Soil
enup ives (g)	Soil Cleanup Objectives (mg/kg)	Maximum Post IRM Confirmatory Sample Concentrations (mg/kg) July 1997 to June 2001	Site Investigation Samples Above Cleanup Objectives (1)	Range of Concentrations (mg/kg) July 1997 to June 2001	Constituent

Milligrams per kilogram.

mg/kg (†) NYSDEC Technical and Administrative Guidance Memorandum: Determination of Soil Cleanup Objective and Cleanup Levels (April 1995).

S Not detected.

SB

Site background.

Note:

Estimated value.

Samples A, B, C are grab samples collectively identified as the North Pit (NP) IRM.

Samples D, E, F are grab samples from collectively identified as the IRM west of Building 2 (BLD 2).

that residual PCB contamination, if any, was isolated and at a depth sufficient to render it insignificant in respect to any threats as per NYSDEC. PCBs were detected at 12 feet below grade in Sample GP-1 Bottom at 211 mg/kg. However, additional sampling at GP-1 demonstrated

Mercury concentrations in 5 of the 24 post-IRM end-point samples are slightly above the RSCO of 0.1 mg/kg (TAGM 4046).

0.2	Edsi vydli	תו אמו	1
0	Fig. 1 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	ND TO WALL	SSDSr/SQS
0.13	West Wall	NP-C	
0.11	West Wall	W. Wall #1 (BLD 2)	
0.13	North Wall	BLD2-C	
0.12 J	South Wall	B-17 SOUTH	
Hg Concentration	Location	<u>Sample ID</u>	

Table 5. Site Investigation/Interim Remedial Measure Groundwater Quality Evaluation, 425 Merrick Avenue, Westbury, New York.

Constituent	Date	Range of	Location of Detectable V	NYSDEC Ambient Water Quality Standards &
		Concentrations (ppb)		Guidance Values (ppb)
Volatile Organic Compounds	is			
1,1-Dichloroethene	1/13/98	ND to 2	MW-3	ហ
4-Methyl-2-pentanone Toluene	1/13/98 1/13/98	ND to 4 ND to 2	N10115T N10115T	σ ι;
Semi-Volatile Organic Compounds	spunds			
Phenol bis(2-Ethylhexyl)phthalate	1/13/98 1/13/98	ND to 2 ND to 51	N10115T N10115T	5 1
Polychlorinated Biphenyls (PCBs)	PCBs)			
Total PCBs	3/12 & 5/13/1998	ND	1	0.09
<u>Metals</u>				
Arsenic	1/13/98	ND to 3.4 B	MW-1	25
Barium	1/13/98	40.3 B to 97.7 B	MW-1, MW-2, MW-3, & N10115T	1,000
Cadmium Chromium	1/13/98 1/13/98	1.0 to 1.1 B 1.0 B to 8.2 B	MW-1, MW-2, & MW-3 MW-2 & MW-3	50
Cobalt	1/13/98	ND to 2.5 B	MW-2 & N10115T	;
Copper	1/13/98	ND to 242		200
Iron	1/13/98	231 to 49,800	MW-1, MW-2, MW-3, & N10115T	300
Magnesium	1/13/98 1/13/98	ND to 13.3	MW-1, MW-3, & N10115T	25 25
Manganese	1/13/98	14.9 B to 470	MW-1, MW-2, MW-3, & N10115T	300
Mercury	1/13/98	ND to 0.32	N10115T	0.7
Nickel	1/13/98	5.1 B to 9.5 B	MW-1, MW-2, MW-3, & N10115T	100
Selenium	1/13/98	2.1 B to 3.4 B	MW-1, MW-2, MW-3, & N10115T	10
vanadium Zinc	1/13/98 1/13/98	23.8 to 95.9	MW-1, MW-2, & MW-3 MW-1 MW-9 MW-3 & N10115T	300

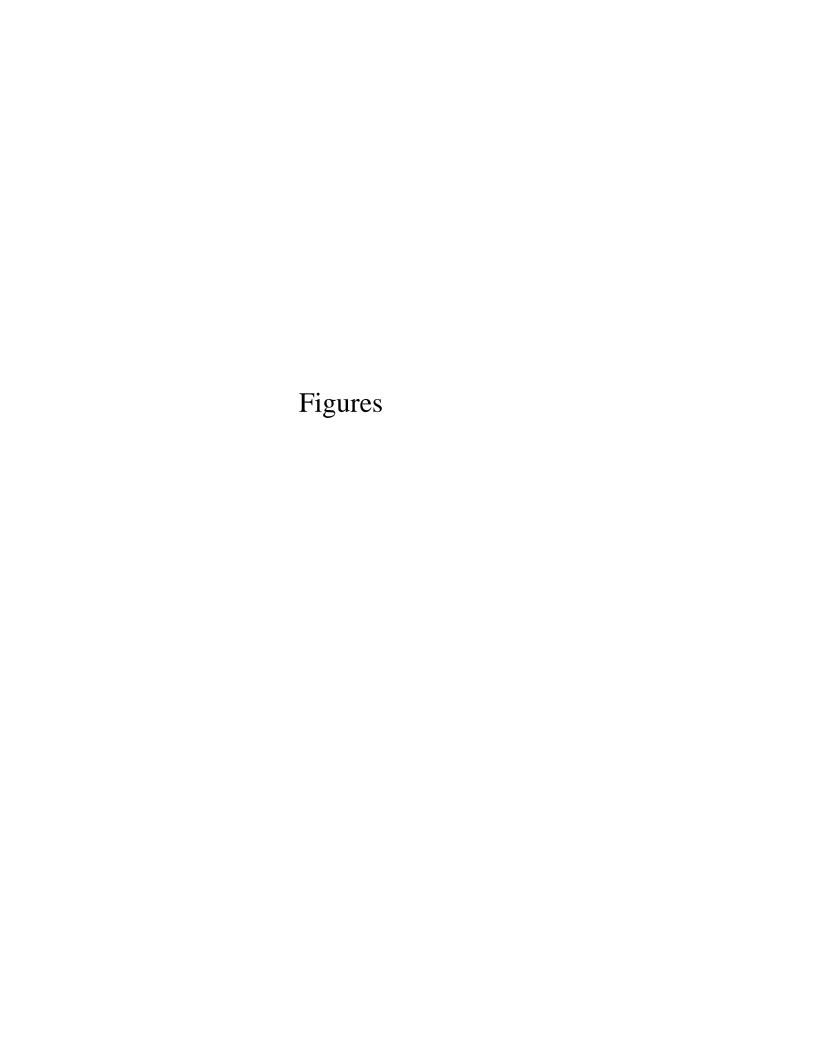
NOTES.

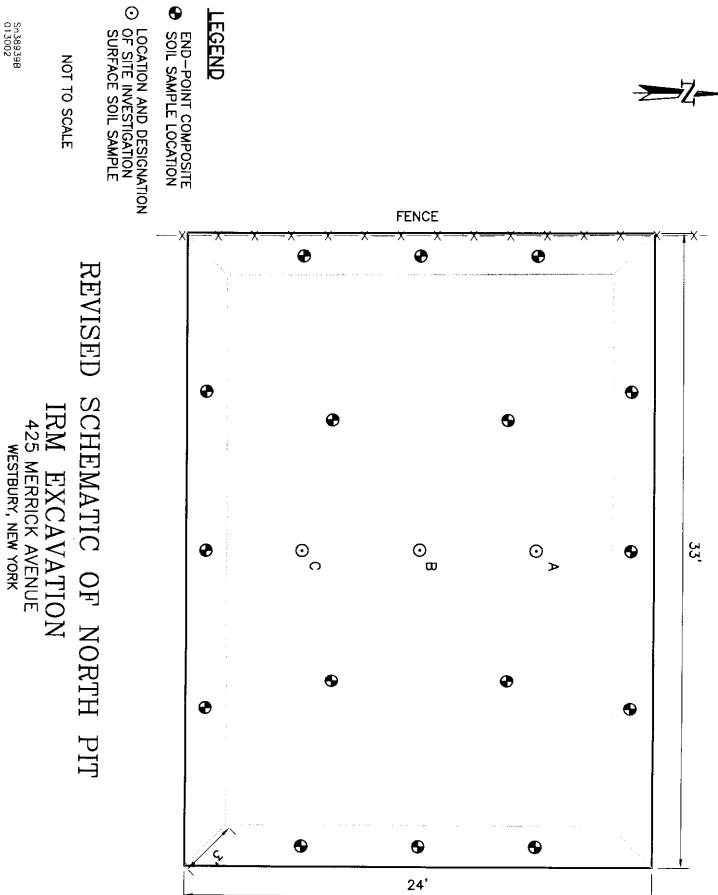
3 D + B Parts per billion.

Not applicable.
Not detected.

Revised from 50 ug/L as of 8/4/99.

Θ Analyte result between instrument detection limit (IDL) and contract required detection limit (CRDL).

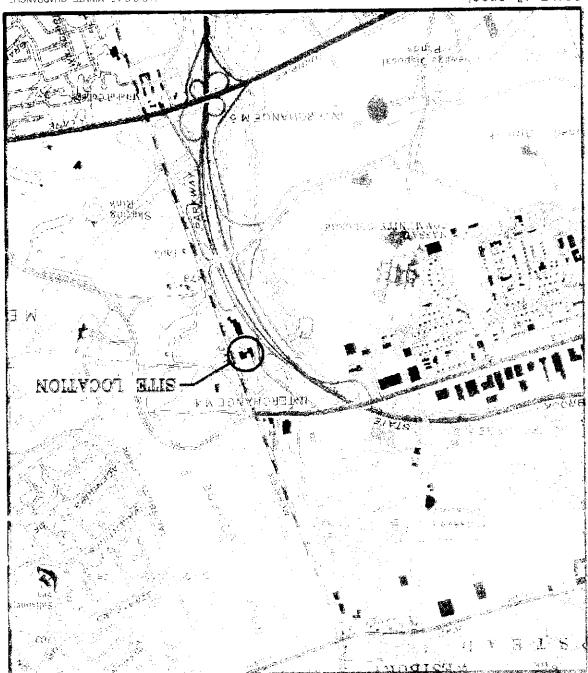




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MERLSCHAFT MEN KOSK 459 MEKBIOK VABMINE



U.S.G.S.15 MINUTE GUADRAUGLE FREEPORT, NEW YORK

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LEGEND

- APPROXIMATE LOCATION AND DESIGNATION OF MONITORING WELL MW-1
- SOIL BORING LOCATION B-19 ⊙
- APPROXIMATE LOCATION AND DESIGNATION OF STORM DRAIN SEDIMENT SAMPLE SD-2⊕
- APPROXIMATE LOCATION AND DESIGNATION OF SUB-FOUNDATION SOIL SAMPLE MR-1 △
- APPROXIMATE LOCATION AND DESIGNATION OF GREASE PIT GP−1 □
- APPROXIMATE AREA OF PREVIOUS INVESTIGATION TEST PITS

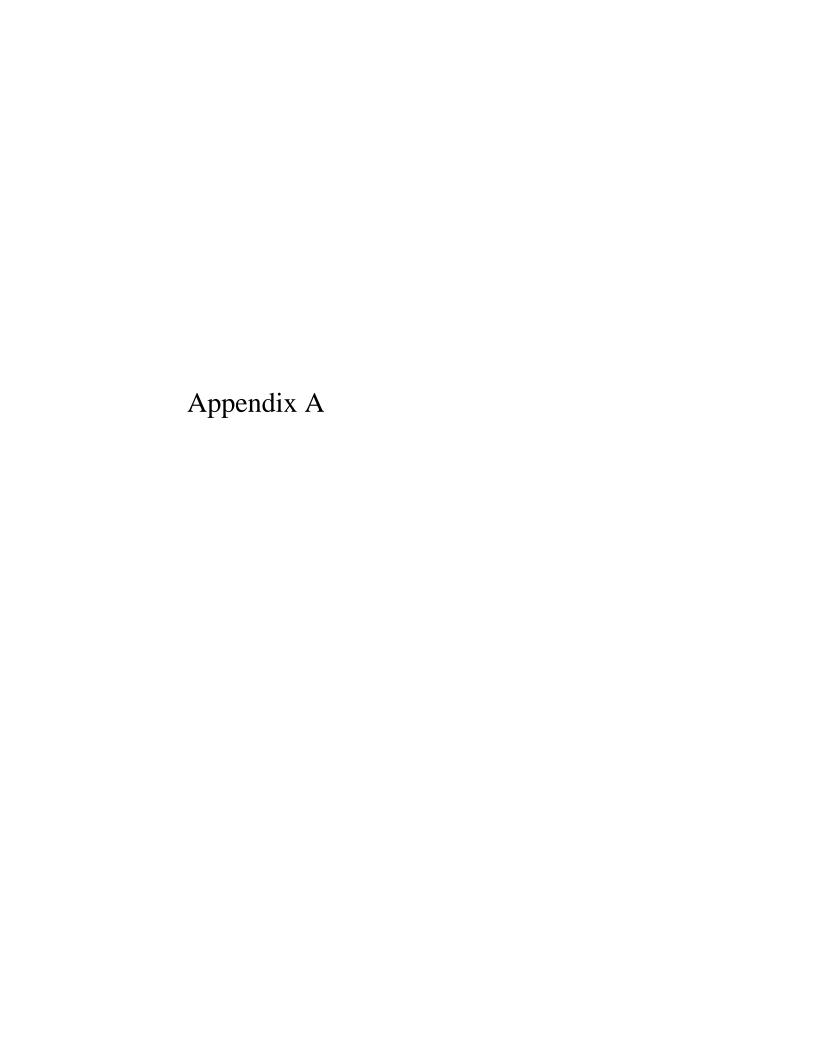
TEST PIT IV

- FORMER SUPPLY WELL AND DESIGNATION N10115T
- AREA OF INTERIM REMEDIAL MEASURE

FORMER BUILDING LOCATIONS

SITE PLAN 425 MERRICK AVENUE WESTBURY, NEW YORK





APPENDIX A

LABORATORY REPORTS

CASE NARRATIVE

A0K220123

The following report contains the analytical results for seven solid samples submitted to STL North Canton by ARCADIS Geraghty & Miller Inc. from the 425 Merrick Ave. Westburg, NY site, project number NY001301.0001. The samples were received November 22, 2000 according to documented sample acceptance procedures.

STL North Canton utilizes USEPA approved methods and instrumentation in all analytical work. The samples presented in this report were analyzed for the parameter listed on the method reference page in accordance with the methods indicated. Preliminary results were provided to Greg Ernst on December 7, 2000.

The results included in this report have been reviewed for compliance with the laboratory QA/QC plan. All data have been found to be compliant with laboratory protocol.

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The temperature of the cooler upon sample receipt was 3.7° C. The samples were received in wet ice.

METALS

The sample(s) had elevated reporting limits due to matrix interferences or limited sample volume. Refer to the sample report pages for the affected analyte(s).

ANALYTICAL METHODS SUMMARY

A0K220123

PARAMETI	ER	ANALYTICAL METHOD							
Inductio	vely Coupled Plasma (ICP) Metals	SW846	6010B						
	in Solid Waste (Manual Cold-Vapor)	SW846	7471A						
_	SW-846 8082	SW846	8082						
-	esidue as Percent Solids	MCAWW	160.3	MOD					
	nductively Coupled Plasma (ICP) Metals	SW846	6010B						
Referen	ces:								
MCAWW	"Methods for Chemical Analysis of Wate EPA-600/4-79-020, March 1983 and subse	er and Wa equent re	stes", vision:	3.					
SW846	"Test Methods for Evaluating Solid Was								

Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

A0K220123

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE TIME
DQAHE DQAHK DQAHL DQAHN DQAHN DQAHP	001 002 003 004 005 006	MR-1 MR-2 MR-3 MR-4 MR-5 MR-6 MR-7	11/21/00 11/21/00 11/21/00 11/21/00 11/21/00 11/21/00
MUMAN			

NOTE(S):

⁻ The analytical results of the samples listed above are presented on the following pages.

⁻ All calculations are performed before rounding to avoid round-off errors in calculated results.

Results noted as "ND" were not detected at or above the stated fimit.

⁻ This report must not be reproduced, except in full, without the written approval of the laboratory.

⁻ Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Page / of						Remarks Total	/	/	/	/	/	/	/					Total No. of Bottles/ 7	P.m (Least Intact?	Yes No N/A	Seal Intact?	Yes No N/A				The same
Y RECORD			\		_	/ Rem												Total	Time Siso	Time 2:40	Time	Time			Other	1
CHAIN-OF-CUSTODY RECORD	ANALYSIS / METHOD / SIZE	(b)	\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		/													Date /// 2/ / 00	I 🔫	Date / /	Date / /	MAN WILLIAM	I Al Many	☐ Lab Courier	
	AN	3,34	74	< -		1/0				/									461M	ンルールへ			. E. A. A.C.	12 50000 10000	Fed	
Laboratory Task Order No JP.O. No.	1	1	3	AGIM (N)		/ OI de l	1/00 1					/	/			pora		A = Air	Organization:	Organization:	Organization:	Organization:	Va. 11. 1.	16/13/1-5 (18)	A Common Carrier	
& MILLER Lat	NY001301.	Vorth Contra	on Frnd	onis Rossi	Date/Time	Matrix Sampled	5 11/21	5	5	5	S	5	个 S		•	day Turnan		= Liquid; S = Solid;	1550) (1973)					7/10	Person	;;;;
ARCADIS GERAGHTY & MILLER	Project Number/Name NYOO/301, 000/	Laboratory STL - Morsh Canbur	Project Manager	Sampler(s)/Affiliation /		Sample ID/Location	MR-1	MR.2	MR-3	MG-H	MR-5	2-3W	L-YW	-		* Just 10		Sample Matrix: L = Li	Polinguiched hy	Received by:	Relinquished by:	Received by:	Special Instructions/Remarks:	Ans overh	غ ا	CILLY TITLES OF

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SO Lab Sample ID:A0K220123 001

Method: SW846 8082

PCBs (8082)

Sample WT/Vol: 30.08 / g Date Received: 11/22/00 Work Order: DQAHE1AA Date Extracted:11/22/00 Dilution factor: 1 Date Analyzed: 12/05/00

Moisture 1:15

QC Batch: 0327217

Client Sample Id: MR-1

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/kg) ug/kg	Q
12674-11-2	PCB-1016	39	ן ט
11104-28-2	PCB-1221	39	ן ט
11141-16-5	PCB-1232	39	ן די
53469-21-9	PCB-1242	39	ן די
12672-29-6	PCB-1248	39	ן ט
11097-69-1	PCB-1254	72	ii
11096-82-5	PCB-1260	39	<u>U</u>

EUR

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Lab Sample ID:A0K220123 002 Matrix: (soil/water) SO

Method: SW846 8082

PCBs (8082)

Date Received: 11/22/00 Sample WT/Vol: 30.16 / g Date Extracted: 11/22/00 Work Order: DQAHHLAA Date Analyzed: 12/05/00 Dilution factor: 1

Moisture 1:4.0

QC Batch: 0327217

Client Sample Id: MR-2

CONCENTRATION UNITS:

	CAS NO.	COMPOUND	(ug/L or ug/kg) ug/kg	Q
1 12	674-11-2	PCB-1016	34	<u> </u>
	104-28-2	PCB-1221	34	<u> </u>
	141-16-5	PCB-1232	34	<u> </u>
	469-21-9	PCB-1242	34	<u>U</u>
	672-29-6	PCB-1248	34	<u> </u>
	097-69-1	PCB-1254	34	<u> </u>
	096-82-5	PCB-1260	34	<u> U</u>

10/12/01

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Lab Sample ID:A0K220123 003 Matrix: (soil/water) SO

Method: SW846 8082

PCBs (8082)

Date Received: 11/22/00 Sample WT/Vol: 30 / g Date Extracted:11/22/00 Work Order: DQAHKLAA Date Analyzed: 12/05/00 Dilution factor: 1

Moisture 1:5.2

QC Batch: 0327217

Client Sample Id: MR-3

CONCENTRATION UNITS:

CAS NO.	CCMPOUND	(ug/L or ug/kg) ug/kg	Q
12674-11-2	PCB-1016	35	<u>U</u>
11104-28-2	PCB-1221	35	<u> U</u>
11141-16-5	PCB-1232	35	ןן
53469-21-9	PCB-1242		ן ט
12672-29-6	PCB-1248	35	<u> U </u>
11097-69-1	PCB-1254	35	ן <u>ט</u>
11096-82-5	PCB-1260	35	ا <u>ت</u> ا

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SO Lab Sample ID:A0K220123 004

Method: SW846 8082

PCBs (8082)

Sample WT/Vol: 30.15 / g Date Received: 11/22/00 Work Order: DQAHL1AA Date Extracted:11/22/00 Dilution factor: 1 Date Analyzed: 12/05/00

Moisture 4:8.4

QC Batch: 0327217

Client Sample Id: MR-4

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/kg) ug/kg	0
12674-11-2	PCB-1016	36	_1
11104-28-2	PCB-1221	36	_1
11141-16-5	PCB-1232	36	_
53469-21-9	PCB-1242	36	
12672-29-6	PCB-1248	36	_ t <u></u>
11097-69-1	PCB-1254	77	_11
11096-82-5	PCB-1260	36	_ltu ⁷

GUL 10/12/01

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SO Lab Sample ID:A0K220123 005

Method: SW846 8082

PCBs (8082)

Sample WT/Vol: 30 / g Date Received: 11/22/00 Work Order: DQAHN1AA Date Extracted:11/22/00 Dilution factor: 1 Date Analyzed: 12/05/00

Moisture 1:3.7

QC Batch: 0327217

Client Sample Id: MR-5

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/kg) ug/kg Q	
12674-11-2	PCB-1016	34	U
11104-28-2	PCB-1221	34	U
11141-16-5	PCB-1232	34	U
53469-21-9	PCB-1242	34	<u> </u>
12672-29-6	PCB-1248	34	ַ ט
11097-69-1	PCB-1254	34	U
11096-82-5	PCB-1260	34	

10/12/01

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SO Lab Sample ID:A0K220123 006

Method: SW846 8082

PCBs (8082)

Sample WT/Vol: 30.09 / g Date Received: 11/22/00 Work Order: DQAHP1AA Date Extracted:11/22/00 Dilution factor: 1 Date Analyzed: 12/05/00

Moisture %:2.4

Client Sample Id: MR-6

CONCENTRATION UNITS:

QC Batch: 0327217

CAS NO.	COMPOUND	(ug/L or ug/kg) ug/kg	Q
12674-11-2	PCB-1016	34	
11104-28-2	PCB-1221	34	ן ט
11141-16-5	PCB-1232	34	U
53469-21-9	PCB-1242	34	<u> </u>
12672-29-6	PCB-1248	35	
11097-69-1	PCB-1254	34	ן ט
11096-82-5	PCB-1260	34	

10/12/01

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SO Lab Sample ID:A0K220123 007

Method: SW846 8082

PCBs (8082)

Sample WT/Vol: 30.03 / g Date Received: 11/22/00 Work Order: DQAHW1AA Date Extracted:11/22/00 Dilution factor: 1 Date Analyzed: 12/05/00

Moisture %:3.9

QC Batch: 0327217

Client Sample Id: MR-7

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/kg) ug/kg	Q
12674-11-2	PCB-1016	34	<u> </u>
11104-28-2	PCB-1221	34	<u> u </u>
11141-16-5	PCB-1232	34	<u> </u>
53469-21-9	PCB-1242	34	<u> U </u>
12672-29-6	PCB-1248	34	<u>U</u>
11097-69-1	PCB-1254	34	<u> U</u>
11096-82-5	PCB-1260	34	<u> ""</u>

gur 10/12/01

Client Sample ID: MR-1

TOTAL Metals

Lot-Sample #...: A0K220123-001

Matrix....: SO

Date Sampled...: 11/21/00

Data Received..: 11/22/00

* Moisture....: 15

REPORTING PREPARATION- WORK

PARAMETER RESULT UNITS METHOD ANALYSIS DATE ORDER #

Prep Batch #...: 0332111

Mercury ND 0.12 mg/kg SW846 7471A 11/27-11/28/00 DQAHELAC

Dilution Factor: 1

NOTE (S):

Client Sample ID: MR-2

TOTAL Metals

Lot-Sample #...: A0K220123-002

Date Received..: 11/22/00 Date Sampled...: 11/21/00

* Moisture	: 4.0					
PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch # Cadmium	: 0332111 ND	0.52 Dilution Fector: 1	mg/kg	SW846 6010B	11/27-11/29/00	DQA HH1A
Chronium	6.5	1.0 Dilution Factor: 1	_	+ SW846 6010B	11/27-11/29/00	DQAEH1 A
Mercury	ND	0.10 Dilution Factor: 1	mg/kg	SW846 7471A	11/27-11/28/00	DQAHH12

Results and reporting limits have been adjusted for dry weight.

BOTE(S):

JBH 10/4/21

Matrix....: SO

Client Sample ID: MR-3

TOTAL Metals

Lot-Sample #...: A0K220123-003

Date Sampled...: 11/21/00 Date Received..: 11/22/00

% Moisture....: 5.2

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD .	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch # Aluminum	.: 0332111 3280	21.1 Dilution factor: 1	ng/kg	SW846 6010B	11/27-11/29/00	DOAHKLA
Arsenic	1.5	1.1 Dilution Factor: 1	mg/kg	SW846 6010B	11/27-11/29/00	DOAHKLA
Lead	7.5	0.32 Dilution Factor: 1	∞g/kg UJ	SW846 6010B	11/27-11/29/00	ALXHAQQ
Antimony	ND	6.3 Dilution Factor: 1	mg/kg	2 Sw846 6010B	11/27-11/29/00	DQAHK13
Barium	ND	21.1 Dilution Factor: 1	mg/kg	SW845 6010B	11/27-11/29/00	DQAHKIA
Selenium	ND	0.53 Dilution Factor: 1	mg/kg	SW846 6010B	11/27-11/29/00	DQAHKLA
Beryllium	ND	0.53 Dilution Fector: 1	mg/kg	SW846 6010B	11/27-11/29/00	DQAHKLA
Thallium	ND	1.1 Dilution Factor: 1	mg/kg	SW846 6010B	11/27-11/29/00	DOAHKLA
Cadmium	ND	0.53 Dilution Factor: 1	mg/kg	SW846 6010B	11/27-11/29/00	DQAHKLA
Calcium	1400	528 Dilution Factor: 1		2 ₹ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	11/27-11/29/00	DOAHKLA
Chronium	3.3	1.1 Dilution Factor: 1	mg/kg	5 () B U SW846 6010B	11/27-11/29/00	DQAHKLA
Cobalt	ND	5.3 Dilution Factor: 1	mg/kg	SW846 6010B	11/27-11/29/00	DQAHKLA
Copper	2.8	2.6 Dilution factor: 1	mg/kg	2 PBM 2 8W846 6010B	11/27-11/29/00	DQAHKLA
Iron	3570	10.6 Dilution Factor: 1	ng/kg	SW846 6010B	11/27-11/29/00	1
		(Cont	inued on n	ext page)	PD # 10/4	17

Matrix....: SO

Client Sample ID: MR-3

TOTAL Metals

Lot-Sample #...: A0K220123-003

Matrix..... 30

	D2677 7	reporting Limit	UNITS	METHOD	preparation- analysis date	WORK ORDER #
PARAMETER Magnesium	RESULT ND	528	mg/kg	SW846 6010B	11/27-11/29/00	
magnesium	MD	Dilution Factor: 1		8846 6010B	22,27 22,23,00	O Marantas
Kanganese	72.8	1.6 Dilution Factor: 1	mg/kg +t	SW846 6010B	11/27-11/29/00	DOAHKLE
Nickel	ND	4.2 Dilution Factor: 1	mg/kg	SW846 6010B	11/27-11/29/00	DQAHKLA
Potassium	ND	528 Dilution Fector: 1	mg/kg	SW846 6010B	11/27-11/29/00	DQAHK1F
Silver	ND	1.1 Dilution Factor: 1	mg/kg	SW846 6010B	11/27-11/29/00	DÇAHKLI
Sodium	ND	528 Dilution Factor: 1	mg/kg	SW846 6010B	11/27-11/29/00	DQAHKLA
Vanadium	ND	5.3 Dilution Factor: 1	mg/kg	SW846 6010B	11/27-11/29/00	DQAHKLA
Zinc	11.5	2.1 Dilution Factor: 1	mg/kg	SW846 6010B	11/27-11/29/00	DQAHKL?
Mercury	ND	0.11 Dilution Factor: 1	mg/kg	SW846 7471A	11/27-11/28/00	DQAHKLA
NOTE (S):						

Results and reporting limits have been adjusted for dry weight.

MBH 10/4/01

ARCADIS GERACHTY & MILLER DEC

Client Sample ID: MR-4

TOTAL Metals

Lot-Sample #...: A0K220123-004

Date Sampled...: 11/21/00

Date Received..: 11/22/00

* Moisture....: 8.4

PREPARATION-WORK REPORTING ANALYSIS DATE ORDER # RESULT CTINU Prep Batch \$...: 0332111 mg/kg - SW846 6010B 11/27-11/29/00 DOAHLIAC Chronium 8.1 Dilution Factor: 1 11/27-11/28/00 DQAHTJAT SW846 7471A 3.9 0.55 mg/kg Mercury Dilution Factor: 5

Mpt 10/4/01

NOTE (S):

Results and reporting limits have been adjusted for dry weight.

019

Matrix....: SO

Client Sample ID: MR-5

TOTAL Metals

Lot-Sample #...: A0K220123-005

Date Sampled...: 11/21/00

Date Received..: 11/22/00

Matrix....: 90

* Moisture....: 3.7

PREPARATION-WORK REPORTING METHOD ANALYSIS DATE ORDER # PARAMETER RESULT LIMIT UNITS Prep Batch #...: 0332111

mg/kg] | SW846 6010B 11/27-11/29/00 DOMHNIA 1.0 Chronium 4.8

Dilution Factor: 1

11/27-11/28/00 DQAHNLA 0.10 mg/kg SW846 7471A ND Mercury

Dilution Factor: 1

BOTE (S) :_

Client Sample ID: MR-6

TOTAL Metals

Lot-Sample #...: A0K220123-006

Date Sampled...: 11/21/00

Date Received..: 11/22/00

Matrix....: SO

* Moisture....: 2.4

PREPARATION-WORK REPORTING ANALYSIS DATE ORDER # PARAMETER RESULT LIMIT UNITS METHOD

Prep Batch #...: 0332111

11/27-11/28/00 DQAHP1AC SW846 7471A 0.10 mg/kg ND Mercury

Dilution Fector: 1

MOTE (S):

Results and reporting limits have been adjusted for day weight.

021

ARCADIS GERAGETY & MILLER DEC

Client Sample ID: MR-7

TOTAL Metals

Lot-Sample #...: A0K220123-007

Matrix....: 90

Date Sampled...: 11/21/00

Date Received..: 11/22/00

* Moisture....: 3.9

PREPARATION-WORK REPORTING

PARAMETER RESULT LIMIT UNITS METHOD

Dilution Factor: 1

ANALYSIS DATE ORDER #

Prep Batch #...: 0332111

ND Mercury

mg/kg 0.10

SW846 7471A

11/27-11/28/00 DQAHWLA

Mr 10/4/0.

NOTE (S):

Results and reporting limits have been adjusted for dry weight.

022

Client Sample ID: MR-1

General Chemistry

Lot-Sample #...: A0K220123-001 Work Order #...: DQAHE

Matrix....: SO

Date Sampled...: 11/21/00

% Moisture....: 15

Date Received..: 11/22/00

PREPARATION- PREP ANALYSIS DATE BATCH # UNITS METHOD RL PARAMETER RESULT 11/25-11/27/00 0330104 10.0 MCAWW 160.3 MCD Percent Solids 84.7

Dilution Factor: 1

NOTE (S):

RL Reporting Limit

Client Sample ID: MR-2

General Chemistry

Lot-Sample #...: A0K220123-002 Work Order #...: DQAHH

Matrix: SO

Date Sampled...: 11/21/00

Date Received..: 11/22/00

* Moisture....: 4.0

PREP PREPARATION-ANALYSIS DATE BATCH # UNITS METHOD PARAMETER RESULT 11/25-11/27/00 0330104 MCAWW 160.3 MOD Percent Solids 96.0

Dilution Factor: 1

MOTE (S):

RL Reporting Limit

Client Sample ID: MR-3

General Chemistry

Lot-Sample #...: A0K220123-003

Work Order #...: DQAHK
Date Received..: 11/22/00

Matrix....: SO

Date Sampled...: 11/21/00

* Moisture....: 5.2

PREPARATION- PREP

PARAMETER RESULT
Percent Solids 94.8

__ UNITS__

METHOD MCANW 160.3 MCD ANALYSIS DATE BATCH # 11/25-11/27/00 0330104

Percent Solids 94.8 10.0
Dilution Factor: 1

NOTE (S):

RL Reporting Limit

Client Sample ID: MR-4

General Chemistry

Lot-Sample #...: A0K220123-004 Work Order #...: DQAHL

Matrix....: SO

Date Sampled...: 11/21/00

Date Received..: 11/22/00

RESULT

91.6

* Moisture....: 8.4

PREPARATION- PREP

PARAMETER Percent Solids

UNITS RL _ 10.0

METHOD MCANW 160.3 MOD

ANALYSIS DATE BATCH # 11/25-11/27/00 0330104

Dilution Factor: 1

ROTE (S):

RL Reporting Limit

Client Sample ID: MR-5

General Chemistry

Lot-Sample # ...: A0K220123-005

Work Order # ...: DQAHN

Matrix....: 50

. . .

Date Sampled...: 11/21/00

Date Received..: 11/22/00

* Moisture....: 3.7

PREPARATION-PREP

RESULT PARAMETER 10.0 96.3 Percent Solids

UNITS METHOD MCANN 160.3 MOD ANALYSIS DATE BATCH # 11/25-11/27/00 0330104

Dilution Factor: 1

NOTE (S):

RL Reporting Limit

Client Sample ID: MR-6

General Chemistry

Lot-Sample #...: A0K220123-006

Work Order #...: DQAHP

Watrix..... SO

Date Sampled...: 11/21/00

* Moisture....: 2.4

Date Received..: 11/22/00

PREPARATION- PREP

PARAMETER RESULT RL UNITS METHOD ANALYSIS DATE BATCH #
Percent Solids 97.6 10.0 \$ MCAWW 160.3 MCD 11/25-11/27/00 0330104

Dilution Factor: 1

NOTE (S):

RL Reporting Limit

Client Sample ID: MR-7

General Chemistry

Lot-Sample #...: A0K220123-007 Work Order #...: DQAHW

Matrix....: SO

Date Sampled...: 11/21/00

Date Received..: 11/22/00

* Moisture....: 3.9

PREPARATION-PREP UNITS ANALYSIS DATE BATCH # <u>RL</u> METHOD RESULT PARAMETER 11/25-11/27/00 0330104 MCAWW 160.3 MOD 10.0 * Percent Solids 96.1

Dilution Factor: 1

NOTE (S):

RL Reporting Limit



May 11, 2001

STL Connecticut

128 Long Hill Cross Road Shelton, CT 06484

Tel: 203 929 8140 Fax: 203 929 8142 www.stl-nc.com

Mr. Greg Ernst GANNETT FLEMING 480 Forest Avenue Locust Valley, NY 11560

Dear Mr. Ernst:

Please find enclosed the analytical results of 8 sample(s) received at our laboratory on April 26, 2001. This report contains sections addressing the following information at a minimum:

. sample summary

. definition of data qualifiers and terminology

. analytical methodology .

analytical results

state certifications . chain-of-custody

STL Report #7001-1012A	
Project ID: 425 merrick avenue	·

Copies of this analytical report and supporting data are maintained in our files for a minimum of five years unless special arrangements have been made. Unless specifically indicated, all analytical testing was performed at this laboratory location and no portion of the testing was subcontracted.

We appreciate your selection of our services and welcome any questions or suggestions you may have relative to this report. Please contact your customer service representative at (203) 929-8140 for any additional information. Thank you for utilizing our services; we hope you will consider us for your future analytical needs.

I have reviewed and approved the enclosed data for final release.

Laboratory Manager

JCC

This report contains X pages.

7001-1012A GANNETT FLEMING

Case Narrative

Sample Receipt - All samples were received in good condition and at proper temperature.

Polychlorinated Biphenyls (PCB's) - PCB samples were extracted and analyzed by GC/ECD using guidance provided in Methods 3550B/8082. The instrumentation used was a Hewlett-Packard Gas Chromatograph equipped with an Electron Capture Detector (Ni63).

All samples were extracted, concentrated and analyzed without any apparent problems.

The sample was acid cleaned up prior to analysis.

Manual integrations were performed if required, and any affected peaks were designated with an "MM" on the area report in the column titled "Code". Manual integrations were initialed by the analyst that performed the integration.

Sample Calculation:

Sample ID –NP-S.WALL Compound – Aroclor 1254 peak at retention time 17.32 on the RTX-35 column (77479area)(10000ul)(50) = 2748ug/kg (501940area/ng)(30.2g)(.93)(1ul)

Metals – mercury was determined by cold vapor technique using a Leeman Labs mercury analyzer following guidance provided in SW846 according to method 7471A.

No problems occurred during analysis. All appropriate protocols were employed. All data appears to be consistent.

1D PESTICIDE ORGANICS ANALYSIS DATA SHEET

Lab Name: STL-CT Contract:	Client ID: NP-S.WALL
Lab Code: <u>IEACT</u> Case No.: <u>1012A</u> SDG No.	.: <u>A1012</u>
Matrix: (soil/water):SOIL	Lab Sample ID: 011012A-07
Sample wt/vol: 30.2 (g/ml) G	Lab File ID: <u>D5094195</u>
% Moisture: 7 decanted: (Y/N)	Date Received : <u>04/26/01</u>
Extraction: (SepF/Cont/Sonc) SONC	Date Extracted: 04/29/01
Concentrated Extract Volume: 10000 (ul)	Date Analyzed : <u>05/01/01</u>
Injection Volume: 1.0 (uL)	Dilution Factor: 50.0
GPC Cleanup: (Y/N)N pH:	Sulfur Cleanup: $(Y/N)N$
CAS NO. COMPOUND	CONCENTRATION UNITS: Q (ug/L or ug/Kg) <u>UG/KG</u>
12674-11-2 Aroclor-1016	1800 U
11104-28-2 Aroclor-1221	3600 U 1800 U
11141-16-5 Aroclor-1232 53469-21-9 Aroclor-1242	1800 0
12672-29-6 Aroclor-1248	1800 U
11097-69-1 Aroclor-1254	2900
11096-82-5 Aroclor-1260	500 J

1

EPA SAMPLE NO

		INORGANIC A	NALYSES DATA SE	EET			
Lab Name: <u>STI</u>			Contract:			W.WA	LL#1 (BLDG
	-		SAS No.:			CDC No.	31012
			SAS NO.:		-	SDG NO	.: AIUI2
Matrix (soil/	water): <u>SOII</u>	<u>.</u>	Lab S	amp.	le ID:	01101	2A-01
Level (low/me	d): <u>LOW</u>		Date	Rece	eived:	04/26	<u>/01</u>
% Solids:	87.4	<u>: </u>					
<u>.</u>	CAS No. 7429-90-5 7440-36-0	Analyte Aluminum	L or mg/kg dry Concentration		ght):	Mg/Kg M M NR	
	7440-38-2	Arsenic				NR	
	7440-39-3					NR	
		Beryllium				NR	
	7440-43-9	Cadmium				NR	
	7440-70-2					NR	
	7440-47-3					NR	
	7440-48-4					NR	126
	7440-50-8	Copper		ļ ļ		NR	- 7/K 1 4
	7439-89-6					NR	/ //
	7439-92-1			<u> </u>		NR	,
		Magnesium		 		NR NR	
	7439-96-5	Manganese	0.11	 		CV	10/4/
	7440-02-0	Nickel	0.11	1		NR	10/4/
		Potassium		\vdash		NR	/
	<u> </u>	Selenium				NR	
	7440-22-4			 -		NR	
	7440-23-5			 +		NR	
	7440-28-0	Thallium		 		NR	
	7440-62-2	Vanadium		 		NR	
	7440-66-6	Zinc		1 1		NR	
	57-12-5	Cyanide				NR	
	<u> </u>						
Color Before:		_ Clarit	y Before: <u>OPAOU</u>	E	Text	ure:	
Color After:		Clarit	y After: <u>OPAOU</u>	E	Arti	facts:	
Comments:							

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		INORGANIC A	NALYSES DATA SH	HEET	EPA SAM	PLE NO.
Lab Name: <u>STL</u>			Contract:		воттом	(BLDG2)
Lab Code: STL	Case	No.: <u>1012A</u>	SAS No.:		SDG No.:	A1012
Matrix (soil/w	ater): <u>SOIL</u>	<u> </u>	Lab S	Sample ID:	011012A	-02
Level (low/med	l): <u>LOW</u>		Date	Received:	04/26/0	<u>1</u>
% Solids:	<u>91,2</u>	_				
	CAS No. 7429-90-5 7440-36-0 7440-38-2 7440-41-7 7440-43-9 7440-47-3 7440-47-3 7440-48-4 7440-50-8 7439-95-4 7439-95-4 7439-95-4 7439-97-6 7440-02-0 7440-09-7 7782-49-2 7440-22-4 7440-23-5 7440-28-0 7440-66-6 57-12-5	Analyte Aluminum Antimony Arsenic Barium Beryllium Cadmium Calcium Chromium Cobalt Copper Iron Lead Magnesium Manganese Mercury Nickel Potassium Selenium Silver Sodium Thallium Vanadium Zinc Cyanide	L or mg/kg dry Concentration 0.084 y Before: OPAOU	C Q	M NR NR NR NR NR NR NR NR NR N	PBH 10/4/01
Color After:		_ Clarit	y After: <u>OPAOU</u>	<u>JE</u> Arti	.facts: _	

FORM I - IN

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Comments:

1 INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

		THOUGHTIC P	MALISES DATA SI	1661		· · · · · · · · · · · · · · · · · · ·
Lab Name: <u>STL</u>			Contract:		MR4-:	E.WALL
Lab Code: <u>STL</u>	Case	No.: <u>1012A</u>	SAS No.:		SDG No	.: A1012
Matrix (soil/w				Sample ID		
		_				
Level (low/med	1): <u>LOW</u>		Date	Received	: <u>04/26</u>	<u>/01</u>
% Solids:	88.4	<u> </u>				
	-					
Co	oncentration	Units (ug/	L or mg/kg dry	weight):	Mg/Kg	
	CAS No.	Analyte	Concentration	C Q	М	
	7429-90-5	Aluminum		 	NR	
	7440-36-0	Antimony			NR	
		Arsenic			NR	
	7440-39-3				NR	
		Beryllium			NR	
		Cadmium			NR	
	7440-70-2				NR	
	7440-47-3				NR	Ω
	7440-48-4				NR	1//2
	7440-50-8				NR	10/4/2
		Iron		1	NR NR	
	7439-92-1 7439-95-4	Lead			NR	, ,
	7439-96-5	Magnesium			NR	_
	7439-97-6		0.48	ļ	CV	/ /
	7440-02-0		0.40	1	NR	181./
		Potassium		1	NR	10/4/1
	7782-49-2		-		NR	1 1
	7440-22-4	Silver		 	NR	
	7440-23-5	Sodium			NR	
	7440-28-0				NR	
	7440-62-2				NR	
	7440-66-6	Zinc			NR	
	57-12-5	Cyanide			NR	
Color Before:		_ Clarit	y Before: <u>OPAOU</u>	<u>JE</u> Text	ure:	
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FORM I - IN

1 INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

		INURGANIC A	NALYSES DATA SE	REET		·
Lab Name: <u>STL</u>			Contract:		MR4-1	N.WALL
Lab Code: <u>STL</u>	Case	No.: <u>1012A</u>	SAS No.:		SDG No	: A1012
Matrix (soil/w	ater): <u>SOII</u>	<u>. </u>	Lab S	Sample I	D: <u>01101</u> 2	2A-04
Level (low/med	l): <u>LOW</u>		Date	Receive	d: <u>04/26</u> /	01
Solids:	95.2	_				
Cc		Units (ug/ Analyte	L or mg/kg dry Concentration			
	7429-90-5	Aluminum			NR	
	7440-36-0	Antimony			NR	
	7440-38-2				NR	
	7440-39-3	Barium		ļ	NR	
		Beryllium			NR	
	7440-70-2	Cadmium		ļ <u>i</u>	NR NR	
	7440-47-3				NR NR	$\bigcap 1$
		Cobalt			NR	1/0
	7440-50-8			 	NR	\times \times \times
	7439-89-6				NR	
	7439-92-1	Lead			NR	/ '
	7439-95-4	Magnesium			NR	1
	7439-96-5	Manganese			NR	10/4
	7439-97-6	Mercury	5.3		CV	- 16 Lc
		Nickel			NR	10/7
	7440-09-7	Potassium			NR	/
	7782-49-2				NR	
	7440-22-4	Silver			NR	
	7440-23-5	Sodium			NR	
	7440-28-0				NR	
	7440-62-2	Vanadium			NR	
		Zinc			NR	
	57-12-5	Cyanide			NR	
			<u> </u>	<u> </u>		
Color Before:		_ Clarit	y Before: <u>OPAOU</u>	<u>E</u> Te:	xture:	
olor After:		_ Clarit	y After: <u>OPAOU</u>	E Art	tifacts:	
Comments:						
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FORM I - IN

1

EPA SAMPLE NO

		INORGANIC A	NALYSES DATA SE	HEET		
Lab Name: <u>STL</u>			Contract:		MR4 -	S.WALL
Lab Code: STL	Case	No.: 1012A	SAS No.:		SDG No	.: <u>A1012</u>
Matrix (soil/v	water) · SOII		t.ah 9	Sample	ID: 01101	212-05
		_				
Level (low/med	d): <u>LOW</u>		Date	Receiv	red: <u>04/26</u>	<u>/01</u>
% Solids:	82.1	<u>. </u>				
Cc	CAS No.	Analyte	L or mg/kg dry Concentration): Mg/Kg	
	7429-90-5				NR	
	7440-36-0				NR	
	7440-38-2	Arsenic			NR	
		Barium		<u> </u>	NR	
		Beryllium			NR	
	7440-43-9	Cadmium		<u> </u>	NR	
	7440-70-2	Calcium		ļ <u></u>	NR	
	7440-48-4	Cobalt			NR NR	
		Copper				\wedge
	7439-89-6	Iron			NR	//2
	7439-92-1	Lead		 	NR	1/1/6
		Magnesium		T	NR	
	7439-96-5	Manganese		<u> </u>	NR	
	7439-97-6		1.8		CV	/
	7440-02-0	Nickel		1 1"	NR	10/41
	7440-09-7	Potassium	• • •		NR	PB6 10/41
	7782-49-2	Selenium			1 14174	•
	7440-22-4	Silver			NR	
	7440-23-5	Sodium			NR	
	7440-28-0	Thällium			NR	
	7440-62-2	Vanadium			NR	
	7440-66-6	Zinc		ļ	NR	
	57-12-5	Cyanide			NR	
Color Before:		_ Clarit	y Before: <u>OPAOU</u>	<u>IE</u> T	'exture:	····
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Comments:						

		INORGANIC A	NALYSES DATA SI	HEET		EFA SA	MPLE NO.
Lab Name: <u>STI</u>	.		Contract:			MR4-B	ОТТОМ
Lab Code: <u>\$TI</u>				•		CDG 33	310-0
			SAS NO.:		-	SUG No.	: <u>A1012</u>
Matrix (soil/	water): <u>SOII</u>	<u>.</u>	Lab S	Sampl	e ID:	011012	A-06
Level (low/me	ed): LOW		Date	Rece	eived:	04/26/	01
% Solids:	<u>92.2</u>	2_					
C	oncentration	Units (ug/	L or mg/kg dry	weig	nt):	Mg/Kg	
	CAS No.	Analyte	Concentration	С	Q	м	
	7429-90-5	Aluminum				NR	
	7440-36-0	Antimony				NR	
	7440-38-2	Arsenic				NR	
•	7440-39-3					NR	
	7440-41-7	Beryllium				NR	
	7440-43-9 7440-70-2					NR	
	7440-47-3			 		NR NR	
	7440-48-4	Cobalt		 	· · ·	NR	
	7440-50-8			 		NR	\wedge
	7439-89-6	Iron		 		NR	- $()2.$
	7439-92-1	Lead	· · · · · · · · · · · · · · · · · · ·			NR	
	7439-95-4	Magnesium		1		NR	-D
		Manganese				NR	- / · · ,
	7439-97-6		3.1			CV	13
	7440-02-0	Nickel				NR	11.17
		Potassium				NR	/6/5
	7782-49-2 7440-22-4	Selenium				NR	/
	7440-23-5	Silver Sodium	<u> </u>			NR NR	
	7440-28-0					NR	
	7440-62-2		<u> </u>	 		NR	
	7440-66-6	Zinc		 		NR	
	57-12-5	Cyanide				NR	
	L	<u> </u>		1 1			
Color Before:		_ Clarit	y Before: <u>OPAOU</u>	E	Text	ure:	
Color After:		_ Clarit	y After: <u>OPAOU</u>	E	Arti	facts: .	
Comments:							

FORM I - IN

EPA SAMPLE NO

		INORGANIC A	NALYSES DATA S	HEET			THELE NO.
Lab Name: <u>STL</u>			Contract: _			NP-S	.WALL
Lab Code: STL	Case	No.: <u>1012A</u>	SAS No.: _			SDG No	.: <u>A1012</u>
Matrix (soil/v	water): <u>SOII</u>	<u>. </u>	Lab	Samp:	le ID:	011012	2A-07
Level (low/med	i): <u>LOW</u>					04/26/	
% Solids:	92.4	<u>: </u>					
Co	CAS No.	Units (ug/	L or mg/kg dry Concentration		ght):	Mg/Kg Mg	
	7429-90-5	2 1		-		1	
	7440-36-0	Aruminum		-		NR	
	7440-38-2	Arcenic				NR NR	
	7440-39-3		-: :	+	· · · · · · · · · · · · · · · · · · ·	NR	
		Beryllium		+ +		NR	
	7440-43-9					NR	
	7440-70-2	Calcium		+		NR	
	7440-47-3			1 +		NR	
	7440-48-4			+		NR	
	7440-50-8			+		NR	
	7439-89-6	Iron		1			Ω
	7439-92-1					NR	1/01
	7439-95-4	Magnesium		1 1		NR	- K1)K
	7439-96-5	Manganese				NR	$-I \mathcal{V}^*$
	7439-97-6	Mercury	0.029			CV	10/4
	7440-02-0	Nickel				NR	1.1
		Potassium				NR	16/4
	7782-49-2			L		I rand	
	7440-22-4	Silver				NR	
	7440-23-5					NR	
	7440-28-0	Thallium				NR	
	7440-62-2			\perp		NR	
	7440-66-6	Zinc	<u> </u>	+-+		NR	
	57-12-5	Cyanide		+ +		NR	
				_1,1	 	1	
Color Before:		_ Clarit	y Before: <u>OPAO</u>	<u>UE</u>	Text	ure:	
Color After:		_ Clarit	y After: OPAO	<u>UE</u>	Arti	facts:	
Comments:							

FORM I - IN

		INORGANIC A	1 ANALYSES DATA SH	HEET	EPA SA	MPLE NO.
Lab Name: <u>STL</u>			Contract:		NP-E.	WALL
			SAS No.:		SDG NO	: A1012
Matrix (soil/w	ater): <u>SOIL</u>	<u> </u>	Lab S	Sample I	D: <u>011012</u>	A-08
Level (low/med	l): <u>LOW</u>		Date	Receive	d: <u>04/26/</u>	<u>01</u>
% Solids:	<u>92.1</u>	-				
Co	ncentration	Units (ug/	L or mg/kg dry	weight)	: Mg/Kg	
	CAS No.	Analyte	Concentration	c Q	м	
	7429-90-5	λluminum		.	NID.	
	7440-36-0			 	NR NR	
	7440-38-2	Arsenic		 	NR	
	7440-39-3	Barium			NR	
	7440-41-7	Beryllium			NR	
		Cadmium			NR	
	7440-70-2	Calcium			NR	
		Chromium			NR	
	7440-48-4	Cobalt			NR	
	7440-50-8				NR	\bigcap
	7439-89-6	Iron			NR	1/12.
	7439-92-1 7439-95-4	Lead		ļ ļ	NR	1/15 b4
	7439-95-4	Magnesium Manganese			NR NR	
	7439-97-6	Mercury	2.7		CV	1
	7440-02-0	Nickel	2.7		NR	1.0/4
	7440-09-7	Potassium			NR	/0/4
	7782-49-2	Selenium			NR	
	7440-22-4	Silver			NR	
	7440-23-5	Sodium			NR	
	7440-28-0	Thallium			NR	
	7440-62-2				NR	
i	7440-66-6	Zinc			NR	
	57-12-5	Cyanide			NR	
Color Before:		Clarit	y Before: <u>OPAOU</u>	E Ter	xture:	
Color After:			y After: <u>OPAOU</u>		tifacts:	
Comments:			, incor. <u>Oraco</u>	<u>=</u> AL1		

FORM I - IN



INORGANICS APPENDIX

C – Concentration qualifiers

- U Indicates analyte was not detected at method reporting limit.
- B- Indicates analyte result between IDL and contract required detection limit (CRDL)

Q – QC qualifiers

- E Reported value is estimated because of the presence of interference
- M Duplicate injection precision not met
- N Spiked sample recovery not within control limits
- S The reported value was determined by the method of standard additions (MSA)
- W Post-digest spike recovery furnace analysis was out of 85-115 percent control limit, while sample absorbance was less than 50 percent of spike absorbance
- * Duplicate analysis not within control limit
- + Correlation coefficient for MSA is less than 0.995

M - Method codes

P - ICP

A -- Flame AA

F – Furnace AA

CV – Cold vapor AA (manual)

C – Cyanide

NR - Not required

NC – Not calculated as per protocols

STATE CERTIFICATIONS

In some instances it may be necessary for environmental data to be reported to a regulatory authority with reference to a certified laboratory. For your convenience, the laboratory identification numbers for the STL-Connecticut laboratory are provided in the following table. Many states certify laboratories for specific parameters or tests within a category (i.e. method 325.2 for wastewater). The information in the following table indicates the lab is certified in a general category of testing such as drinking water or wastewater analysis. The laboratory should be contacted directly if parameter-specific certification information is required.

STL-Connecticut
Certification Summary (as of February 2001)

" State #	**************************************	Certification	Tab typnosi a
Connecticut	Department of Health Services	Drinking Water, Wastewater	PH-0497
Maine	Department of Health and Environmental Services	Drinking Water, Wastewater/Solid, Hazardous Waste	CT023
Massachusetts	Department of Environmental Protection	Potable/Non-Potable Water	CT023
New Hampshire	Department of Environmental Services	Drinking Water, Wastewater	2528
New Jersey	Department of Environmental Protection	Drinking Water, Wastewater	46410
New York	Department of Health	CLP. Drinking Water, Wastewater, Solid/ Hazardous Waste NELAC	10602
North Carolina	Division of Environmental Management	Wastewater	388
Rhode Island	Department of Health	ChemistryNon- Potable Water and Wastewater	A43
Utah	Department of Health	RCRA	2032614458
Washington	Department of Ecology	Wastewater/Hazardous Waste	C231
Wisconsin	Department of Natural Resources	Wastewater	998355710

7001-1012A GANNETT FLEMING SAMPLE SUMMARY

CLIENT ID	LAB ID	MATRIX	DATE COLLECTED	DATE RECEIVED
W.WALL#1 (BLDG2)	011012A-01	SOIL	04/24/01	04/26/01
BOTTOM (BLDG2)	011012A-02	SOIL	04/24/01	04/26/01
MR4-E.WALL	011012A-03	SOIL	04/24/01	04/26/01
MR4-N.WALL	011012A-04	SOIL	04/24/01	04/26/01
MR4-S.WALL	011012A-05	SOIL	04/24/01	04/26/01
MR4-BOTTOM	011012A-06	SOIL	04/24/01	04/26/01
NP-S.WALL	011012A-07	SOIL	04/24/01	04/26/01
NP-E.WALL	011012A-08	SOIL	04/24/01	04/26/01

STL CT ANALYTICAL SUMMARY Page:1

Date: 5/12/101

Qty Matrix	Analysis	Description	
8 SOIL	HG-NSW846	Mercury	
1 SOIL	PCB-8082	PCB's	



May 31, 2001

STL Connecticut

128 Long Hill Cross Road Sheiton, CT 06484

Tel: 203 929 8140 Fax: 203 929 8142 www.stl-inc.com

Mr. Grea Ernst GANNETT FLEMING 480 Forest Avenue Locust Valley, NY 11560

Dear Mr. Ernst:

Please find enclosed the analytical results of 5 sample(s) received at our laboratory on May 22, 2001. This report contains sections addressing the following information at a minimum:

sample summary

. definition of data qualifiers and terminology

analytical methodology . analytical results

state certifications . chain-of-custody

STL Report #7001-1269A	
Project ID: 425 merrick avenue	

Copies of this analytical report and supporting data are maintained in our files for a minimum of five years unless special arrangements have been made. Unless specifically indicated, all analytical testing was performed at this laboratory location and no portion of the testing was subcontracted.

We appreciate your selection of our services and welcome any questions or suggestions you may have relative to this report. Please contact your customer service representative at (203) 929-8140 for any additional information. Thank you for utilizing our services; we hope you will consider us for your future annivtical needs.

I have reviewed and approved the enclosed data for final release.

Very truly yours,

Jeffrey C. Curran Laboratory Manager

JCC

This report contains // pages.

7001-1269A GANNETT FLEMING



Case Narrative

Sample Receipt – All samples were received in good condition and at proper temperature.

Metals – mercury was determined by cold vapor technique using a Leeman Labs mercury analyzer following guidance provided in SW846 according to method 7471A.

No problems occurred during analysis. All appropriate protocols were employed. All data appears to be consistent.

May 31 2001

7001-1269A GANNETT FLEMING



Case Narrative

Sample Receipt – All samples were received in good condition and at proper temperature.

Metals – mercury was determined by cold vapor technique using a Leeman Labs mercury analyzer following guidance provided in SW846 according to method 7471A.

No problems occurred during analysis. All appropriate protocols were employed. All data appears to be consistent.

I certify that this data package is in compliance with the terms and conditions of this contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Jeffrey/C. Curran

Laboratory Manager

CLIENT CHAINS OF CUSTODY

-Client:

GANNETT FLEMING

Project ID:

425 MERRICK AVENUE

SDG #:

A1269

STL ID:

7001-1269A

+ cromow BOTTLES INTACT CUSTODY SEALS 72 day SEE REMARKS GENERAL REMARKS SEALS INTACT SAMPLE REMARKS REMARKS ON SAMPLE RECEIPT PASSED RAD SCREEN - SIZYOJ 750 PRESERVED 2 N/X FORD SPRJOI 5 ____ N / X 10.50 PAGE N / BOTTLE TYPE AND PRESERVATION FIELD FILTERED - CIRCLE Y or N N / X CHAIN OF JUSTODY RECORD Y / N ACHBRA Cletharz RECEIVED IN LAB BOTTLES REC'D BY N/X Z / X Fich with THE STATE ST DATE / TIME 10111 **Z** / **X** გ<u>×</u> × Varan XXIORAN 3 ≏ \sim PROJECT 10:425 (NEVELCIE AVE, WENDENLY) 5 ठ 20 MATRIX 10/22/91 **BOTTLES PREPARED BY** STL PROJECT MGR: KCD (MULT) DUE DATE DATE / TIME Sampled CELINIE GENTLINE 7CC1 1269A SIGNATURE 128 Long Hill Cross Ruad Shetton CT Obal84 S - SOIL
SL - SLUDGE
W - WIPE
O - OTHER
FB - FIELD BLANK
TB - TRIP BLANK Tel: (203) 929 8140 Fax (203) 929 8142 MK4- Bertom X FERLY NO STL Connecticut MIRH-S.Wall 11174-N.W.D.11 MRH. E. Wall CLIENT SAMPLE ID NAT-E. WALL MATRIX CODES Q - AQUEOUS - COMPLEX - DRUM WASTE 1 - OIL EVERIN FRENT SERVICES STL JOB #: RUSH

		INORGANIC A	EPA SAMPLE NO.					
Lab Name: <u>STL</u>			Contract:	MR4-	E.WALL			
Lab Code: <u>STL</u>	Case	No.: <u>1269A</u>	SAS No.:		SDG No).: <u>A1269</u>		
Matrix (soil/	water): <u>SOII</u>	<u></u>	Lab S	Sample ID	: 01126	9A-01		
Level (low/me	d): <u>LOW</u>		Date	Received	05/22	/01		
% Solids:	94	_						
C	oncentration	ı Units (ug/	L or mg/kg dry	weight):	Mg/Kg			
	CAS No.	Analyte	Concentration	C Q	М			
	7429-90-5	Aluminum			NR			
	7440-36-0				NR			
	7440-38-2			ļ	NR			
	7440-39-3	Barium Beryllium			NR			
	7440-43-9			<u> </u>	NR NR			
	7440-70-2	Calcium		<u> </u>	NR			
	7440-47-3	Chromium			NR	~~ ^		
	7440-48-4	Cobalt			NR	1 Yaca		
	7440-50-8				NR	10/4/		
	7439-89-6				NR	-IV		
	7439-92-1	Lead			NR			
		Magnesium			NR	. / /		
	7439-96-5 7439-97-6	Manganese	0.00		NR	75/4/		
	7440-02-0	Mercury Nickel	0.90	 	CV NR	10/1		
	7440-09-7	Potassium			NR			
	7782-49-2	Selenium			NR			
	7440-22-4	Silver			NR			
	7440-23-5				NR			
	7440-28-0				NR			
	7440-62-2	Vanadium			NR			
	7440-66-6 57-12-5	Cyanide		-	NR NR			
	37-12-3	cyanide			1414			
Color Before:		Clarit	y Before: <u>OPAOU</u>	<u>E</u> Text	ure:			
Color After:		Clarit	y After: <u>OPAOU</u>	<u>E</u> Arti	facts:			
Comments:								
				-				

FORM I - IN

1 EPA SAMPLE NO

ab Name: STL						
			Contract:		MR4-1	N.WALL
ab Code: <u>STL</u>	Case	No.: <u>1269A</u>	SAS No.:		SDG No	.: <u>A1269</u>
atrix (soil/				· · · · · · · · · · · · · · · · · · ·		_
		<u>. </u>	Lau S	ample ID	: 01126;	9A-UZ_
evel (low/me	d): <u>LOW</u>		Date	Received	: 05/22	<u>/01</u>
Solids:	94.1					
		_				
C	oncentration	Units (ug/	L or mg/kg dry	weight):	Mg/Kg	
	CAS No.	Analyte	Concentration	C Q	M	
	7429-90-5	Aluminum			NR	
	7440-36-0	Antimony			NR	
	7440-38-2				NR	
	7440-39-3	Barium			NR	
		Beryllium			NR	
	7440-43-9	Cadmium			NR	
	7440-70-2				NR	
	7440-47-3 7440-48-4				NR	\bigcirc 1
	7440-50-8				NR NR	6 174
	7439-89-6	Copper			NR	1/1561
	7439-92-1				NR	
		Magnesium			NR	
	7439-96-5	Manganese			NR	10/7
	7439-97-6	Mercury	0.36		ਟਿਯੋ	10 /4
	7440-02-0			-	NR	10/1
	7440-09-7	Potassium			NR	, ,
	7782-49-2				NR	
	7440-22-4				NR	
	7440-23-5				NR	
	7440-28-0				NR	
	7440-62-2				NR	
	7440-66-6				NR	
	57-12-5	Cyanide			NR	
	L			l l	<u> </u>	
olor Before:		_ Clarit	y Refore: <u>OPAOU</u>	E Text	ture:	
olor After:	44-	_ Clarit	y After: <u>OPAOU</u>	E Art:	ifacts:	
omments:						
						· · · · · · · · · · · · · · · · · · ·

FORM I - IN

		INORGANIC A	NALYSES DATA SH	HEET	EPA S	AMPLE NO.
Lab Name: <u>STL</u>			Contract:		MR4-	S.WALL
Lab Code: STL	Case	No.: <u>1269A</u>	SAS No.:		SDG No	.: A1269
Matrix (soil/w			Lab S	Sample II	D: <u>01126</u>	9A-03
Level (low/med	l): <u>LOW</u>		Date	Receive	d: <u>05/22</u>	<u>/01</u>
% Solids:	<u>91</u>	_				
			÷.			
Co	ncentration	Units (ug/	L or mg/kg dry	weight)	: Mg/Kg	
	CAS No.	Analyte	Concentration	C Q	М	
	7429-90-5	Aluminum			NR	
	7440-36-0	Antimony			NR	
	7440-38-2				NR	
	7440-39-3				NR	
	7440-41-7	Beryllium		ļ	NR NR	
	7440-70-2				NR NR	
	7440-47-3			 	NR	
	7440-48-4			 	NID	
	7440-50-8			 	NR	
	7439-89-6				NR	· 1/61/
	7439-92-1			1	NR	//) ≪
	7439-95-4	Magnesium			NR	/ V
	7439-96-5				NR	/ ' , ·
	7439-97-6		0.73		CV	Ι,
	7440-02-0				NR	1
		Potassium			NR NR	11. 1410
	7782-49-2				NR NR	16/4/0
	7440-22-4 7440-23-5				NR	
	7440-28-0			 	- NR	
	7440-62-2			 	NR	
	7440-66-6				NR	
	57-12-5	Cyanide			NR	
Color Before:		Clarit	y Before: OPAOU	<u>JE</u> Te	xture:	
Color After:		_ Clarit	y After: <u>OPAOU</u>	<u>JE</u> Ar	tifacts:	
Comments:						

		INORGANIC A	ANALYSES DATA SH	EPA SAMPLE NO.				
Lab Name: <u>STL</u>			Contract:		MR4-BOTTOM			
Lab Code: <u>STL</u>	Case	No.: <u>1269A</u>	SAS No.:			SDG No.	: <u>A1269</u>	
Matrix (soil/v	water): <u>SQIL</u>	<u>. </u>	Lab S	ampl	e ID:	011269	A-04	
Level (low/med	i): <u>LOW</u>		Date	Rece	ived:	05/22/	<u>01</u>	
% Solids:	93.4	_ _						
 Cc	oncentration	Units (ug/	L or mg/kg dry	weid	ht).	Ma/Ka		
		011100 (49)	1 or mg/ng dry	TTT				
	CAS No.	Analyte	Concentration	C	Q	M		
	7429-90-5			 		NR		
	7440-36-0	Antimony				NR		
	7440-38-2					NR		
	7440-39-3			igwdown		NR		
		Beryllium	 	+-+		NR NR		
	7440-43-9 7440-70-2	Calcium				NR NR		
••	7440-70-2					NR	\wedge	
	7440-48-4			 -		NR	(10.	
		Copper		 		NR	- 1/K.	
	7439-89-6			 		NR	- 1/ /) W	
	7439-92-1	Lead				NR		
		Magnesium				NR		
		Manganese				NR		
	7439-97-6		0.083			CV	1.1	
	7440-02-0		ļ	igwdown		NR	1016	
		Potassium		 		NR NR	' ' / 7	
	7782-49-2	Selenium	-	 		NR	,	
	7440-23-5	Sodium		+ +		NR		
	7440-28-0	Thallium		+		NR		
	7440-62-2			+ +-		NR		
	7440-66-6			† †		NR		
	57-12-5	Cyanide				NR		
Color Before:		_ Clarit	y Before: <u>OPAOU</u>	<u>JE</u>	Text	ure:		
Color After:		_ Clarit	y After: OPAOU	<u>JE</u>	Arti	facts:	 	
Comments:								

1

EPA SAMPLE NO.

		INORGANIC A	NALYSES DATA SH	KEET	<u> </u>	LL 110.
Lab Name: <u>STL</u>			Contract:		NP-E.WA	.LL
Lab Code: <u>STL</u>		No.: 1269A			SDG No.:	A1269
Matrix (soil/w	<i>r</i> ater): <u>SOIL</u>	<u>. </u>	Lab S	Sample 1	D: <u>011269A-</u>	<u>05</u>
Level (low/med	l): <u>LOW</u>		Date	Receive	ed: <u>05/22/01</u>	
% Solids:	<u>93.3</u>	_				
Co ·•.		<u> </u>	L or mg/kg dry			
	CAS No.	Analyte	Concentration	C	2 M	
	7429-90-5	Aluminum			NR	
	7440-36-0				NR	
	7440-38-2	Arsenic			NR	
	7440-39-3				NR	
		Beryllium			NR	
	7440-43-9	Cadmium			NR	
	7440-70-2			ļ	NR	
	7440-47-3				NR	\triangle
	7440-48-4			ļ	NR NR	12.
	7440-50-8				NR NR	1/181
	7439-89-6 7439-92-1				NR NR	1//)[
	7439-92-1			 	NR /	! /
		Manganese			NR /	1
	7439-97-6	Mercury	0.22		 ĈŸ / /	
	7440-02-0		5.22		NR // /	11/-1
		Potassium			NR/0 //	1/6
	7782-49-2				NR /	ץ //־
	7440-22-4				NR	1.7
	7440-23-5				NR	
	7440-28-0				NR	
	7440-62-2			<u> </u>	NR	
	7440-66-6				NR ND	
	57-12-5	Cyanide			NR	
Color Before:		_ Clarit	y Before: OPAOU	<u>JE</u> Te	exture:	
Color After:		Clarit	y After: OPAOL	JE A	rtifacts:	
Comments:						



STL Connecticut

INORGANICS APPENDIX

C – Concentration qualifiers

- U-Indicates analyte was not detected at method reporting limit.
- B- Indicates analyte result between IDL and contract required detection limit (CRDL)

Q – QC qualifiers

- E Reported value is estimated because of the presence of interference
- M Duplicate injection precision not met
- N Spiked sample recovery not within control limits
- ∴S The reported value was determined by the method of standard additions (MSA)
- W Post-digest spike recovery furnace analysis was out of 85-115 percent control limit, while sample absorbance was less than 50 percent of spike absorbance
- * Duplicate analysis not within control limit
- + Correlation coefficient for MSA is less than 0.995

M - Method codes

P - ICP

A – Flame AA

F - Furnace AA

CV – Cold vapor AA (manual)

C – Cyanide

NR – Not required

NC – Not calculated as per protocols

STATE CERTIFICATIONS

In some instances it may be necessary for environmental data to be reported to a regulatory authority with reference to a certified laboratory. For your convenience, the laboratory identification numbers for the STL-Connecticut laboratory are provided in the following table. Many states certify laboratories for specific parameters or tests within a category (i.e. method 325.2 for wastewater). The information in the following table indicates the lab is certified in a general category of testing such as drinking water or wastewater analysis. The laboratory should be contacted directly if parameter-specific certification information is required.

STL-Connecticut
Certification Summary (as of February 2001)

		Capita's	
Connecticut	Department of Health Services	Drinking Water, Wastewater	PH-0497
Maine	Department of Health and Environmental Services	Drinking Water, Wastewater/Solid, Hazardous Waste	CT023
Massachusetts	Department of Environmental Protection	Potable/Non-Potable Water	CT023
New Hampshire	Department of Environmental Services	Drinking Water, Wastewater	2528
New Jersey	Department of Environmental Protection	Drinking Water, Wastewater	46410
New York	Department of Health	CLP, Drinking Water, Wastewater, Solid/ Hazardous Waste NELAC	10602
North Carolina	Division of Environmental Management	Wastewater	388
Rhode Island	Department of Health	ChemistryNon- Potable Water and Wastewater	A43
Utah	Department of Health	RCRA	2032614458
Washington Department of Ecology		Wastewater/Hazardous Waste	C231
Wisconsin	Department of Natural Resources	Wastewater	998355710

7001-1269A GANNETT FLEMING SAMPLE SUMMARY

CLIENT ID	LAB ID	MATRIX	DATE COLLECTED	DATE RECEIVED
MR4-E.WALL	011269A-01	SOIL	05/22/01	05/22/01
MR4-N.WALL	011269 A -02	SOIL	05/22/01	05/22/01
MR4-S.WALL	011269A-03	SOIL	05/22/01	05/22/01
MR4-BOTTOM	011269A-04	SOIL	05/22/01	05/22/01
NP-E.WALL	011269A-05	SOIL	05/22/01	05/22/01

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1.

- -

Page:1	STL	CT ANALYTICAL SUMMARY	
-			
Client ID: N Job Number:	MR4-BOTTOM, MR4-E. 7001-1269A	WALL, MR4-N.WALL, MR4-S.WALL, NP-E.WALL	
Date: 6/1/10	11		
Qty Matrix	Analysis	Description	
5 SOIL	HG-NSW846	Mercury	
· •	•		
· ·			



June 15, 2001

STL Connecticut

128 Long Hill Cross Road Shelton, CT 06484

Tel: 203 929 8140 Fax: 203 929 8142 www.stl-inc.com

Mr. Greg Ernst GANNETT FLEMING 480 Forest Avenue Locust Valley, NY 11560

Dear Mr. Ernst:

Please find enclosed the analytical results of 4 sample(s) received at our laboratory on June 6, 2001. This report contains sections addressing the following information at a minimum:

. sample summary

. definition of data qualifiers and terminology

. analytical methodology

. analytical results

. state certifications

. chain-of-custody

STL Report #7001-1395A	
Project ID: 425 merrick avenue	

Copies of this analytical report and supporting data are maintained in our files for a minimum of five years unless special arrangements have been made. Unless specifically indicated, all analytical testing was performed at this laboratory location and no portion of the testing was subcontracted.

We appreciate your selection of our services and welcome any questions or suggestions you may have relative to this report. Please contact your customer service representative at (203) 929-8140 for any additional information. Thank you for utilizing our services; we hope you will consider us for your future analytical needs.

I have reviewed and approved the enclosed data for final release.

Very, truly, yours.

Jeffrey C. Curran Laboratory Manager

JCC

This report contains ρ pages.

SDG NARRATIVE

Client:

GANNETT FLEMING 425 MERRICK AVENUE

Project ID: SDG #:

A1395

STL ID:

7001-1395A

7001-1395A GANNETT FLEMING



Case Narrative

STL Connecticut

Sample Receipt – All samples were received in good condition at 15 °C.

Metals – mercury was determined by cold vapor technique using a Leeman Labs mercury analyzer following guidance provided in SW846 according to method 7471A.

No problems occurred during analysis. All appropriate protocols were employed. All data appears to be consistent.

I certify that this data package is in compliance with the terms and conditions of this contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

MINL 18, 2001

Jeffrey/C. Curran

Laboratory Manager

CLIENT CHAINS OF CUSTODY

Client:

GANNETT FLEMING 425 MERRICK AVENUE

Project ID: SDG #:

A1395

STL ID:

7001-1395A

TURNAROUND TIME

Normal

K Rush | Week turnaraund

Date Needed

CHAIN OF CUSTODY RECORD

	PROJECT NAME: 425 MUZICK AVE	Dum Sharvin	REMARKS	SAMPLE DESCRIPTIONS &	7001-1395A	ō	62	03	3			SEN SCREEN	EU RAD SOLLE	no and the A	C16.6.17 334.0	Agent of:		Agent of:			01	Ship: Cont. OK? Y N N/A C)	, Y
	PROJECT NAME: 4	7 Project Contact:	ANALYSIS	7	\ \ &								"IPASS		WIND TURBLES TO SELLE	Date/Time		Date/Time		Instructions:		Sample Condition	Temp. of blank(C)
טאטטטט ועס ופסס	PROJECT NO. P	10017 L. U.	alley	04/81	TON TON		ابذ		all X					Laboratory Reference No.	- WINTER	Rec'd. by (Signature)	Printed Name	Rec'd. by (Signature)	Printed Name	Date/Time Instr	02:60 10:00:00		
			ea Ernst-boust Valley	- Orly Frast D-SIBBAILBUND	Comp Grab LOCATION	I MR4-E, Wall	1 MK4-Sud	I men-N. Wall	NY-E,UX					(By Carrier)	1	Agent of:		Agent of:		Received for Japacotary by	Printed Name L Le Blen	Dawn C. Sharvin	
	1	C MY WC LICELLA	ming- Gr	lming - (DATE TIME	10/5/01	.	-	\				Octo /The		Agent of:	Date/Time		Date/Time		Date/Time	0001 10/512	٤	
	LABORATORY NAME:	RESULTS TO	Garnett Flemong - Grea Ernst	Grannett Pleming	SAMPLE I.D. NO	MR4-E.Wall	MR4-Surall	MR4-N.Wall	NP-E, Wall				Received from Johnson or ho	(Signature)	Printed Name	Relinquished by (Signature)	Printed Name	Relinquished by (Signature)	Printed Name	Address Received for My	Problem 1. Sharin	Complex (Sometime) Shawn	Shipped Via:

1 INORGANIC ANALYSES DATA SHEET

		INORGANIC A	NALYSES DATA SH	HEET		
ಒು Name: <u>STL</u>			Contract: _		MR4-	E.WALL
Lab Code: <u>STL</u>	Case	No.: <u>1395A</u>	SAS No.:		SDG No	: <u>A1395</u>
Matrix (soil/	water): <u>SOII</u>	<u></u>	Lab S	Sample ID:	<u>01139</u>	5A-01
Level (low/med	d): LOW		Date	Received:	06/06	<u>/01</u>
% Solids:	92.2					
Co			L or mg/kg dry Concentration	<u> </u>	Mg/Kg	
	7429-90-5	_	Concentration	C Q		
	7440-36-0			 	NR	
	7440-38-2	Arsenic		 	NR	
	7440-39-3	Rarium			NR	
	7440-41-7	Beryllium			NR	
	7440-43-9				NR	
	7440-70-2				NR	
	7440-47-3			ļ	NR	
	7440-48-4			<u> </u>	NR	
	7440-50-8		***		NR NR	
	7439-89-6				NR	
	7439-92-1			<u> </u>	NR	
	7439-95-4				NR	
	7439-96-5				NR	`
	7439-97-6	Mercury	0.036) 2,,
	7440-02-0	Nickel	0.030		NR	1////
	7440-09-7	Potassium			NR	/D& 10/4/21
	7782-49-2				NR	
	7440-22-4	Silver			NR	10/
	7440-23-5	Sodium			NR	10 14121
	7440-28-0	Thallium			NR	
	7440-62-2	Vanadium			NR	
	7440-66-6	Zinc			NR	
	57-12-5	Cyanide			NR	
Color Before: Color After:			y Before: <u>OPAOU</u> y After: <u>OPAOU</u>		ure: facts:	
Comments:						

1 INORGANIC ANALYSES DATA SHEET

د ی Name: <u>STL</u>			Contract: _	····		MR4-	-S.WALL
Lab Code: STL	Case	No.: <u>1395A</u>	SAS No.: _		_	SDG No	o.: <u>A1395</u>
Matrix (soil/	water): <u>SOII</u>	<u>. </u>	Lab S	Sampl	e ID:	01139	95A-02
Level (low/med	d): LOW					06/06	
			Date	Nece	ervea.	<u> </u>	<u> </u>
% Solids:	87.4						
C		Analyte Aluminum Antimony Arsenic Barium Beryllium Cadmium Calcium Chromium Cobalt Copper Iron Lead Magnesium Manganese Mercury Nickel Potassium Selenium Silver Sodium Thallium	L or mg/kg dry Concentration 0.51	Т	qht):	Mg/Kg M NR NR NR NR NR NR NR NR NR	PB+ 16/4/01
	<u> </u>						
Color Before:		_ Clarit	y Before: <u>OPAOU</u>	E	Text	ure:	
Color After:		_ Clarit	y After: <u>OPAOU</u>	E	Arti	facts:	
Comments:							

1 INORGANIC ANALYSES DATA SHEET

l Name: <u>STL</u>			Contract:			MR4-	N.WALL
Lab Code: <u>STL</u>	Case	No.: <u>1395A</u>	SAS No.:		<u> </u>	SDG No	.: <u>A1395</u>
Matrix (soil/	water): <u>SOIL</u>	<u>1</u>	Lab S	amp	le ID:	01139	5A-03
Level (low/med	i): <u>LOW</u>		Date	Rec	eived:	06/06	<u>/01</u>
% Solids:	<u>91.2</u>						
Co		Units (ug/	L or mg/kg dry Concentration		ght): 	Mg/Kg M	
	İ	_	Concenctation		v	• • •	
	7429-90-5					NR	
	7440-36-0					NR	
	7440-38-2				•	NR	
	7440-39-3	Barium				NR	
•	7440-41-7	Beryllium				NR	
	7440-43-9	Cadmium				NR	
	7440-70-2					NR	
	7440-47-3			\sqcup		NR	0 0
	7440-48-4			L		NR	-0.2
	7440-50-8	Copper		<u> </u>		NR	1/121
	7439-89-6					NR	/ /5 04
	7439-92-1	Magnesium			 	NR	/Bb
	7439-96-5					NR	1
	7439-97-6	Manganese	0.063			NR CV	
	7440-02-0	Nickel	0.063			NR	10/4/01
	7440-09-7	Poraggium		}		NR	, , , ,
	7782-49-2					NR	
	7440-22-4					NR	
	7440-23-5					NR	
	7440-28-0	Thallium				NR	
	7440-62-2	Vanadium				NR	
	7440-66-6					NR	
	57-12-5	Cyanide				NR	
Color Before:		_ Clarit	y Before: <u>OPAOU</u>	E	Text	ıre:	
Color After:		_ Clarit	y After: <u>OPAQU</u>	E	Arti	facts:	
Comments:							

1 INORGANIC ANALYSES DATA SHEET

		INORGANIC A	NALYSES DATA SE	HEET		r	
Name: <u>STL</u>			Contract:		<u> </u>	NP-E	.WALL
Lab Code: <u>STL</u>	Case	No.: <u>1395A</u>	SAS No.:			SDG No	.: <u>A1395</u>
Matrix (soil/w	water): <u>SOII</u>	J	Lab S	Samp]	le ID:	01139	5A-04
Level (low/med	H): LOW		Date	Rece	eived:	06/06	/01
% Solids:	91.8	<u>. </u>					
Co	CAS No.	Analyte	L or mg/kg dry Concentration		ght):	Mg/Kg M	
	7429-90-5	Aluminum Antimony				NR	
	7440-38-2					NR	
	7440-39-3			 		NR NR	
	7440-41-7	Beryllium		++-		NR	
	7440-43-9	Cadmium		 		NR	
	7440-70-2	Calcium		 		NR	
	7440-47-3			 		NR	\bigcap
	7440-48-4	Cobalt	-	 		NR	1/200
	7440-50-8	Copper				NR	1/13/4
	7439-89-6	Iron				NR	IV
	7439-92-1					NR	<i>,</i> ,
	7439-95-4	Magnesium				NR	/
	7439-96-5	Manganese				NR	/B14 10/41
	7439-97-6	Mercury	0.20			CV	/ 6 / 7/
	7440-02-0					NR	/
		Potassium				NR	
	7782-49-2					NR	
	7440-22-4	Silver				NR	
	7440-23-5 7440-28-0	Thallium				NR	
i	7440-28-0	Vanadium				NR	
	7440-62-2	Zinc		-	 	NR NR	
	57-12-5	Cyanide		+		NR	
!							
Color Before:		Clarit	y Before: <u>OPAQU</u>	E	Text	ure:	
Color After:		_ Clarit	y After: <u>OPAOU</u>	<u>E</u>	Arti	facts:	
Comments:							
		•• , ,					



STL Connecticut

INORGANICS APPENDIX

C - Concentration qualifiers

- U Indicates analyte was not detected at method reporting limit.
- B- Indicates analyte result between IDL and contract required detection limit (CRDL)

Q – QC qualifiers

- E Reported value is estimated because of the presence of interference
- M Duplicate injection precision not met
- N Spiked sample recovery not within control limits
- S The reported value was determined by the method of standard additions (MSA)
- W Post-digest spike recovery furnace analysis was out of 85-115 percent control limit, while sample absorbance was less than 50 percent of spike absorbance
- * Duplicate analysis not within control limit
- + Correlation coefficient for MSA is less than 0.995

M – Method codes

P - ICP

 Λ – Flame $A\Lambda$

F - Furnace AA

CV – Cold vapor AA (manual)

C – Cyanide

NR – Not required

NC – Not calculated as per protocols

STATE CERTIFICATIONS

In some instances it may be necessary for environmental data to be reported to a regulatory authority with reference to a certified laboratory. For your convenience, the laboratory identification numbers for the STL-Connecticut laboratory are provided in the following table. Many states certify laboratories for specific parameters or tests within a category (i.e. method 325.2 for wastewater). The information in the following table indicates the lab is certified in a general category of testing such as drinking water or wastewater analysis. The laboratory should be contacted directly if parameter-specific certification information is required.

STL-Connecticut Certification Summary (as of February 2001)

State	Responsible Agency	Centification	Lat Number
Connecticut	Department of Health Services	Drinking Water, Wastewater	PH-0497
Maine	Department of Health and Environmental Services	Drinking Water, Wastewater/Solid, Hazardous Waste	CT023
Massachusetts	Department of Environmental Protection	Potable/Non-Potable Water	CT023
New Hampshire	Department of Environmental Services	Drinking Water, Wastewater	2528
New Jersey	Department of Environmental Protection	Drinking Water, Wastewater	46410
New York	Department of Health	CLP, Drinking Water, Wastewater, Solid/ Hazardous Waste NELAC	10602
North Carolina	Division of Environmental Management	Wastewater	388
Rhode Island	Department of Health	ChemistryNon- Potable Water and Wastewater	A43
Utah	Department of Health	RCRA	2032614458
Washington	Department of Ecology	Wastewater/Hazardous Waste	C231
Wisconsin	Department of Natural Resources	Wastewater	998355710

7001-1395A GANNETT FLEMING SAMPLE SUMMARY

CLIENT ID	LAB ID	MATRIX	DATE COLLECTED	DATE RECEIVED
MR4-E.WALL	011395A-01	SOIL	06/05/01	06/06/01
MR4-S.WALL	011395A-02	SOIL	06/05/01	06/06/01
MR4-N.WALL	. 011395 A -03	SOIL	06/05/01	06/06/01
NP-E.WALL	011395A-04	SOIL	06/05/01	06/06/01

STL CT ANALYTICAL SUMMARY

Р	a	g	e	:	1

Client ID: MR4-E.WALL, MR4-N.WALL, MR4-S.WALL, NP-E.WALL

Job Number: 7001-1395A

Date: 6/16/101

Qty Matrix	Analysis	Description	
4 SOIL	HG-NSW846	Mercury	



July 02, 2001

STL Connecticut

128 Long Hill Cross Road Shelton, CT 06484

Tel: 203 929 8140 Fax: 203 929 8142 www.stf-inc.com

Mr. Grea Ernst GANNETT FLEMING 480 Forest Avenue Locust Valley, NY 11560

Dear Mr. Ernst :

Please find enclosed the analytical results of 1 sample(s) received at our laboratory on June 28, 2001. This report contains sections addressing the following information at a minimum:

sample summary

. definition of data qualifiers and terminology

analytical methodology . analytical results

state certifications

chain-of-custody

STL Report #7001-1684A	
Project ID: 425 merrick avenue	

Copies of this analytical report and supporting data are maintained in our files for a minimum of five years unless special arrangements have been made. Unless specifically indicated, all analytical testing was performed at this laboratory location and no portion of the testing was subcontracted.

We appreciate your selection of our services and welcome any questions or suggestions you may have relative to this report. Please contact your customer service representative at (203) 929-8140 for any additional information. Thank you for utilizing our services; we hope you will consider us for your future analytical needs.

I have reviewed and approved the enclosed data for final release.

Laboratory Manager

JCC

This report contains +2 pages.

7001-1684A GANNETT FLEMING



Case Narrative

Sample Receipt - All samples were received in good condition and at proper temperature.

Metals – mercury was determined by cold vapor technique using a Leeman Labs mercury analyzer following guidance provided in SW846 according to method 7471A.

No problems occurred during analysis. All appropriate protocols were employed. All data appears to be consistent.

I certify that this data package is in compliance with the terms and conditions of this contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Date 200/

Jeffrey C. Curran

Laboratory Manager

1 INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Lar Name: STL		Contra	ıct:	MR4 S.WALL
Lab Code: <u>STL</u>	Case No.: <u>1684A</u>	SAS No).: <u> </u>	SDG No.: <u>A1684</u>
Matrix (soil/water):	SOIL		Lab Sample ID	: <u>011684A-01</u>
Level (low/med):	LOW		Date Received	: <u>06/28/01</u>
% Solids:	92.8			

Concentration Units (ug/L or mg/kg dry weight): Mg/Kg

CAS No.	Analyte	Concentration	C	Q	М
7429-90-5	Aluminum		 		NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic			-	NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt		1		NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.024			CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium		[NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium		T		NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR
			<u> </u>		

PBO 10/4/01

Color Before:	Clarity	Before:	OPAQUE	Texture:	
Color After:	Clarity	After:	OPAOUE	Artifacts:	
Comments:					. <u> </u>



STL Connecticut

ORGANICS APPENDIX

- U Indicates that the compound was analyzed for but not detected.
- J Indicates that the compound was analyzed for and determined to be present in the sample. The mass spectrum of the compound meets the identification criteria of the method. The concentration listed is an estimated value, which is less than the specified minimum detection limit but is greater than zero.
- B This flag is used when the analyte is found in the blanks as well as the sample. It indicates possible sample contamination and warns the data user to use caution when applying the results of this analyte.
- N Indicates that the compound was analyzed for but not requested as an analyte. Value will not be listed on tabular result sheet.
- S Estimated due to surrogate outliers.
- X Matrix spike compound.
- (1) Cannot be separated
- (2) Decomposes to azobenzene. Measured and calibrated as azobenzene.
- A This flag indicates that a TIC is a suspected aldol condensation product.
- E Indicates that it exceeds calibration curve range.
- D This flag identifies all compounds identified in an analysis at a secondary dilution factor.
- C Confirmed by GC/MS.
- T Compound present in TCLP blank.
- P This flag is used for a pesticide/aroclor target analyte when there is a greater than 25 percent difference for detected concentrations between the two GC columns (see Form X).

STATE CERTIFICATIONS

In some instances it may be necessary for environmental data to be reported to a regulatory authority with reference to a certified laboratory. For your convenience, the laboratory identification numbers for the STL-Connecticut laboratory are provided in the following table. Many states certify laboratories for specific parameters or tests within a category (i.e. method 325.2 for wastewater). The information in the following table indicates the lab is certified in a general category of testing such as drinking water or wastewater analysis. The laboratory should be contacted directly if parameter-specific certification information is required.

STL-Connecticut
Certification Summary (as of February 2001)

Connecticut	Department of Health Services	Drinking Water, Wastewater	РН-0497
Maine	Department of Health and Environmental Services	Drinking Water, Wastewater/Solid, Hazardous Waste	CT023
Massachusetts	Department of Environmental Protection	Potable/Non-Potable Water	CT023
New Hampshire	Department of Environmental Services	Drinking Water, Wastewater	2528
New Jersey	Department of Environmental Protection	Drinking Water, Wastewater	46410
New York	Department of Health	CLP, Drinking Water, Wastewater, Solid/ Hazardous Waste NELAC	10602
North Carolina	Division of Environmental Management	Wastewater	388
Rhode Island	Che		A43
Utah	Department of Health	RCRA	2032614458
Washington	Department of Ecology	Wastewater/Hazardous Waste	C231
Wisconsin	Department of Natural Resources	Wastewater	998355710

7001-1684A GANNETT FLEMING SAMPLE SUMMARY

CLIENT ID	LAB ID	MATRIX	COLLECTED	RECEIVED
MR4 S.WALL	011684A-01	SOIL	06/27/01	06/28/01

Pag	je: 1	ST	L CT	ANALYTICAL SUMMARY
_				
Cli Joh	ient ID: MR4 o Number: 70	S.WALL 001-1684A		
Dai	te: 7/3/101			
Qty	Matrix	Analysis		Description
1	SOIL	HG-NSW846		Mercury
		-		

Connett Fleming * 2 Day

7001-1001

Rush 2 Day

C Date Needed

TURNAROUND TIME

PROJECT NAME: 425 Merrick Are Project Contact: Dawn Sharvin SAMPLE DESCRIPTIONS OTHER ANALYSES "PASSED RAD SCREEN" REMARKS Ship. Cont. OK ? Rec'd Refrig. ? Seals OK ? Samples Leaking ? Date/Time Date/Time ANALYSIS Temp. of blank(T) Sample Condition Instructions: 38939,001 PROJECT NO. Laboratory Reference No. CHAIN OF CUSTODY RECORD C. 28 4 12 Rec'd. by (Signoture) Rec'd. by (Signature) Printed Mame Printed Name Samplers Name (Printed)
SAUNIN MR4-S. Wal SAMPLE LOCATION 6 27 Ot 1700 Printed Name Mice Le Glore RESULTS POR Ernst - Countitioning No. Containers Comp Grab Agent of: TIME LABORATORY NAME: STL- Connecturit Date/Time Date/Time Date/Time MR-4 S, Wall 14/27/101 Agent of: Region of Shirming Princing Received from Laboratory by Relinquished by (Signature) Relinquished by (Signature) Shipped Via Printed Name Printed Name Printed Name (Signature)



Data Validation Report

SDG#: AOK220123
Date: October 17, 2001
Client Name: Gannett Fleming

Project/Site Name: 425 Merrick Ave
Date Sampled: November 21, 2000

Number of Samples: 7 Non-Aqueous Sample(s) with 0 MS/MSD(s)

Laboratory: STL

Validation Guidance: National Functional Guidelines for Organic and Inorganic Data

QA/QC Level: NYSDEC ASP Category B
Method(s) Utilized: SW846 Third Edition

Analytical Fractions: PCBs, Metals, Mercury, Cadmium and Chromium

Analytical data in this report were screened to determine usability of results and also to determine contractual compliance relative to these requirements and deliverables. This screening assumes analytical results are correct as reported and merely provides an interpretation of the reported quality control results. A minimum of 10% of all laboratory calculations have been verified as part of this validation. All instrument output, i.e. spectra, chromatograms, etc., for each sample have been carefully reviewed. The end-user is urged to review the Specific Findings and associated Data Qualifications presented in this report. Annotated Form 1s or spreadsheets for all samples reviewed are included after the Data Assessment Narratives. Form 1s for MS/MSD samples or spreadsheets are not annotated.

The release of this Data Validation Report is authorized by the following signature:

Paul I Humburg President Date

SDG# A0K220123

Samples and Fractions Reviewed

Sample Identifications

Analytical Fraction

GANNETT FLEMING ID	MATRIX	PC	СВ	M	ET	Н	g	C	'd	C	r
MR-1	SOIL	5.2	X	1 4 4		2 N 3#	X				
MR-2	SOIL	100	X		4	ga 10 yang pagangan 10 yang 1900 pagan	X		Χ	14.7	X
MR-3	SOIL		X	4	X						
MR-4	SOIL	4	X		SEC.	334	X				X
MR-5	SOIL		X				X				X
MR-6	SOIL	. 75.7	Χ			S. W. S. Co.	X		<u>.</u>	,	
MR-7	SOIL		X		1.5		X				
Total Billable Samples (Wa	iter/Soil)	0	7	0	l	0	6	0	1	0	3

PCB= PCBs

MET= Metals

Hg= Mercury

Cd= Cadmium

Cr= Chromium

DATA ASSESSMENT NARRATIVE

PCBs

General

The organic findings offered in this screening report assumes that all analytical results are correct as reported and is based upon the examination of the reported holding times, blank analysis results, surrogate and matrix spike recoveries, GC performance, and calibration results. This report was prepared in compliance relative to the analytical and deliverable requirements specified in the SW-846 Method 8082; the National Functional Guidelines for Organic Data Review, October 1999, as applicable; and NYSDEC ASP Category B requirements. All comments made within this report should be considered when examining the analytical results. Please refer the specific findings found in each category to the Summary of Data Qualification table.

SDG # A0K220123

A validation was performed on the PCB Data from SDG A0K220123. The data was evaluated based on the following parameters:

- Data Completeness
- Holding Times
- * GC Performance
- * Calibration
- * Blanks
- * Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicates
- Field Duplicates
- * Compound Identification
- Compound Quantitation

Surrogates

The sample listed below exhibited a low TCX recovery. The positive results are qualified as estimated, J, and the non-detect results are qualified as estimated, UJ.

MR-4

System Performance and Overall Assessment

The data required qualifications.

^{* -} All criteria were met for this parameter.

GLOSSARY OF DATA QUALIFIERS

QUALIFICATION CODES

U = Not detected

J = Estimated value

UJ = Reported quantitation limit is qualified as estimated

 \mathbf{R} = Result is rejected and unusable

NJ = Presumptive evidence for the presence of the material at an estimated value

K = Result is biased high

L = Result is biased low

D = Result value is based on dilution analysis

BLANK QUALIFICATION CODES

CRQL = The sample result for the blank contaminant is less than the sample CRQL and is less than 5X the blank value. The sample result for the blank contaminant is rejected and the CRQL for that compound is reported.

U = The sample result for the blank contaminant is greater than the sample CRQL and is less than 5X the blank value. The sample result for the blank contaminant is qualified as non detected at the compound value reported.

No Action = The sample result for the blank contaminant is greater than the sample CRQL and is greater than 5X the blank value. The sample result for the

blank contaminant is not qualified with any blank qualifiers.

SUMMARY OF DATA QUALIFICATIONS

SAMPLE ID	COMPOUND ID	<u>DL</u>	<u>QL</u>
MR-4	ALL	+/-	J/UJ

^{*} DL denotes the Form I qualifier supplied by the laboratory

QL denotes the qualifier used by the data validation firm + in the DL column denotes a positive result

⁻ in the DL column denotes a non-detect result

DATA ASSESSMENT NARRATIVE METALS

General

The inorganic findings offered in this screening report assumes that all analytical results are correct as reported and is based upon the examination of the reported holding times, blank analysis results, matrix spike and LCS recoveries, matrix duplicates and calibration results. This report was prepared in compliance relative to the analytical and deliverable requirements specified in the SW 846 methods for Metals and the Functional Guidelines for Inorganic Data Validation, February 1994 requirements and NYSDEC ASP Category B. All comments made within this report should be considered when examining the analytical results. Please refer the specific findings found in each category to the Summary of Data Qualification table.

SDGs # A0K220132

A validation was performed on the Metals Data from SDG A0K220132. The data was evaluated based on the following parameters.

- * Data Completeness
- * Holding Times
- * Calibrations
- * Blanks
- * Interferences
 - Matrix Spike Recovery
- * Matrix Duplicates
- * Field Duplicates
- * Laboratory Control Samples
- Serial Dilutions

Matrix Spike Recovery results

- 1. The matrix spike recovery results for soils for Chromium (29%) was below 30%. All positive results are qualified as estimated, "J" and non-detect results are rejected.
- 2. The matrix spike recovery results for soils for Antimony (56%), Calcium (69%), Copper (63%) and Manganese (43%) were below the lower control limits (>30% but <75%). All positive and non-detect results are qualified as estimated, "J" or "UJ".

^{* -} All criteria were met for this parameter.

SUMMARY OF DATA QUALIFICATIONS

Sample ID	Analyte	DL	QL
1 all soil samples	Cr.	+	J
•		U	UJ
2.all soil samples	Sb, Ca, Cu and Mn.	+/U	J/UJ



Data Validation Report

SDG#: A1012

Date: October 17, 2001
Client Name: Gannett Fleming
Project/Site Name: 425 Merrick Ave
Date Sampled: April 24-25, 2001

Number of Samples: 8 Non-Aqueous Sample(s) with 1 MS/MSD(s)

Laboratory: STL CT

Validation Guidance: National Functional Guidelines for Organic and Inorganic Data

QA/QC Level: NYSDEC ASP Category B Method(s) Utilized: SW846 Third Edition

Analytical Fractions: PCBs and Mercury

Analytical data in this report were screened to determine usability of results and also to determine contractual compliance relative to these requirements and deliverables. This screening assumes analytical results are correct as reported and merely provides an interpretation of the reported quality control results. A minimum of 10% of all laboratory calculations have been verified as part of this validation. All instrument output, i.e. spectra, chromatograms, etc., for each sample have been carefully reviewed. The end-user is urged to review the Specific Findings and associated Data Qualifications presented in this report. Annotated Form 1s or spreadsheets for all samples reviewed are included after the Data Assessment Narratives. Form 1s for MS/MSD samples or spreadsheets are not annotated.

The release of this Data Validation Report is authorized by the following signature:

Graig Gent 10-17-01.

Paul B. Humburg, President Date

SDG# A1012

Samples and Fractions Reviewed

Sample Identifications

Analytical Fraction

GANNETT FLEMING ID	MATRIX	PC	В	Н	g
W. WALL#1 (BLDG2)	SOIL				X
BOTTOM (BLDG2)	SOIL			\$1 D	X
MR4-E. WALL	SOIL	1.6		j.	X
MR4-N. WALL	SOIL			THE	X
MR4-S. WALL	SOIL				X
MR4-BOTTOM	SOIL				X
NP-S. WALL	SOIL		X		X
NP-E. WALL	SOIL		14.1 *.464 14.46 * 14.464		X
NP-E. WALL MS	SOIL				X
NP-E. WALL MSD	SOIL		A. S	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	X
Total Billable Samples (W	0	1	0	10	

PCB= PCBs Hg= Mercury

-

DATA ASSESSMENT NARRATIVES

DATA ASSESSMENT NARRATIVE

PCBs

General

The organic findings offered in this screening report assumes that all analytical results are correct as reported and is based upon the examination of the reported holding times, blank analysis results, surrogate and matrix spike recoveries, GC performance, and calibration results. This report was prepared in compliance relative to the analytical and deliverable requirements specified in the SW-846 Method 8082; the National Functional Guidelines for Organic Data Review, October 1999, as applicable; and NYSDEC ASP Category B requirements. All comments made within this report should be considered when examining the analytical results. Please refer the specific findings found in each category to the Summary of Data Qualification table.

SDG # A1012

A validation was performed on the PCB Data from SDG A1012. The data was evaluated based on the following parameters:

- Data Completeness
- * Holding Times
- * GC Performance
- Calibration
- * Blanks
- * Surrogate Recoveries
- Matrix Spike/Matrix Spike Duplicates
- * Field Duplicates
- * Compound Identification
- Compound Quantitation

System Performance and Overall Assessment

The data did not require qualifications.

^{* -} All criteria were met for this parameter.

GLOSSARY OF DATA QUALIFIERS

QUALIFICATION CODES

U = Not detected

J = Estimated value

UJ = Reported quantitation limit is qualified as estimated

 \mathbf{R} = Result is rejected and unusable

NJ = Presumptive evidence for the presence of the material at an estimated value

K = Result is biased high

L = Result is biased low

U =

D = Result value is based on dilution analysis

BLANK QUALIFICATION CODES

CRQL = The sample result for the blank contaminant is less than the sample CRQL and is less than 5X the blank value. The sample result for the blank contaminant is rejected and the CRQL for that compound is reported.

The sample result for the blank contaminant is greater than the sample CRQL and is less than 5X the blank value. The sample result for the blank

contaminant is qualified as non detected at the compound value reported.

No Action = The sample result for the blank contaminant is greater than the sample CRQL and is greater than 5X the blank value. The sample result for the

blank contaminant is not qualified with any blank qualifiers.

SUMMARY OF DATA QUALIFICATIONS

SAMPLE ID <u>COMPOUND ID</u> <u>DL</u> <u>QL</u>

NO QUALIFICATIONS WERE REQUIRED.

^{*} DL denotes the Form I qualifier supplied by the laboratory

QL denotes the qualifier used by the data validation firm

⁺ in the DL column denotes a positive result

⁻ in the DL column denotes a non-detect result

DATA ASSESSMENT NARRATIVE MERCURY

General

The inorganic findings offered in this screening report assumes that all analytical results are correct as reported and is based upon the examination of the reported holding times, blank analysis results, matrix spike and LCS recoveries, matrix duplicates and calibration results. This report was prepared in compliance relative to the analytical and deliverable requirements specified in the SW 846 methods for Mercury and the Functional Guidelines for Inorganic Data Validation, February 1994 requirements and NYSDEC ASP Category B. All comments made within this report should be considered when examining the analytical results. Please refer the specific findings found in each category to the Summary of Data Qualification table.

SDGs # A1012

A validation was performed on the Metals Data from SDG A1012. The data was evaluated based on the following parameters.

- * Data Completeness
- * Holding Times
- * Calibrations
- * Blanks
- * Interferences
- * Matrix Spike Recovery
- * Matrix Duplicates
- * Field Duplicates
- * Laboratory Control Samples
- * Serial Dilutions

^{* -} All criteria were met for this parameter.

SUMMARY OF DATA QUALIFICATIONS

Sample ID Analyte DL QL Data stands as reported without qualification.



Data Validation Report

SDG#: A1269

Date: October 17, 2001
Client Name: Gannett Fleming
Project/Site Name: 425 Merrick Ave

Date Sampled: May 22, 2001

Number of Samples: 5 Non-Aqueous Sample(s) with 1 MS/MSD(s)

Laboratory: STL

Validation Guidance: National Functional Guidelines for Organic and Inorganic Data

QA/QC Level: NYSDEC ASP Category B Method(s) Utilized: SW846 Third Edition

Analytical Fractions: Mercury

Analytical data in this report were screened to determine usability of results and also to determine contractual compliance relative to these requirements and deliverables. This screening assumes analytical results are correct as reported and merely provides an interpretation of the reported quality control results. A minimum of 10% of all laboratory calculations have been verified as part of this validation. All instrument output, i.e. spectra, chromatograms, etc., for each sample have been carefully reviewed. The end-user is urged to review the Specific Findings and associated Data Qualifications presented in this report. Annotated Form 1s or spreadsheets for all samples reviewed are included after the Data Assessment Narratives. Form 1s for MS/MSD samples or spreadsheets are not annotated.

The release of this Data Validation Report is authorized by the following signature:

Paul B. Humburg. President

10-17-01.

Date

SDG# A1269

Samples and Fractions Reviewed

Sample Identifications Analytical Fraction

GANNETT FLEMING ID	MATRIX	I	g
MR4-E. WALL	SOIL		X
MR4-E. WALL MS	SOIL		X
MR4-E. WALL MSD	SOIL		X
MR4-N. WALL	SOIL		Х
MR4-S. WALL	SOIL		X
MR4-BOTTOM	SOIL		Χ
NP-E. WALL	SOIL		Χ
Total Billable Samples (Wa	0	7	

Hg- Mercury

DATA ASSESSMENT NARRATIVE MERCURY

General

The inorganic findings offered in this screening report assumes that all analytical results are correct as reported and is based upon the examination of the reported holding times, blank analysis results, matrix spike and LCS recoveries, matrix duplicates and calibration results. This report was prepared in compliance relative to the analytical and deliverable requirements specified in the SW 846 methods for Mercury and the Functional Guidelines for Inorganic Data Validation, February 1994 requirements and NYSDEC ASP Category B. All comments made within this report should be considered when examining the analytical results. Please refer the specific findings found in each category to the Summary of Data Qualification table.

SDGs # A1269

A validation was performed on the Metals Data from SDG A1269. The data was evaluated based on the following parameters.

- * Data Completeness
- * Holding Times
- * Calibrations
- * Blanks
- * Interferences
- * Matrix Spike Recovery
- * Matrix Duplicates
- * Field Duplicates
- * Laboratory Control Samples
- * Serial Dilutions

^{* -} All criteria were met for this parameter.

SUMMARY OF DATA QUALIFICATIONS

Sample ID Analyte DL QL Data stands as reported without qualification.



Data Validation Report

SDG#: A1395

Date: October 17, 2001
Client Name: Gannett Fleming
Project/Site Name: 425 Merrick Ave
Date Sampled: June 5, 2001

Number of Samples: 4 Non-Aqueous Sample(s) with 1 MS/MSD(s)

Laboratory: STL

Validation Guidance: National Functional Guidelines for Organic and Inorganic Data

QA/QC Level: NYSDEC ASP Category B Method(s) Utilized: SW846 Third Edition

Analytical Fractions: Mercury

Analytical data in this report were screened to determine usability of results and also to determine contractual compliance relative to these requirements and deliverables. This screening assumes analytical results are correct as reported and merely provides an interpretation of the reported quality control results. A minimum of 10% of all laboratory calculations have been verified as part of this validation. All instrument output, i.e. spectra, chromatograms, etc., for each sample have been carefully reviewed. The end-user is urged to review the Specific Findings and associated Data Qualifications presented in this report. Annotated Form 1s or spreadsheets for all samples reviewed are included after the Data Assessment Narratives. Form 1s for MS/MSD samples or spreadsheets are not annotated.

The release of this Data Validation Report is authorized by the following signature:

Paul B. Humburg, President Date

SDG# A1395

Samples and Fractions Reviewed

Sample Identifications Analytical Fraction

GANNETT FLEMING ID	MATRIX	Н	g
MR4-E. WALL	SOIL		X
MR4-E. WALL MS	SOIL		X
MR4-E. WALL MSD	SOIL		X
MR4-N. WALL	SOIL		X
MR4-S. WALL	SOIL		X
NP-E. WALL	SOIL		X
Total Billable Samples (W	ater/Soil)	0	6

Hg= Mercury

DATA ASSESSMENT NARRATIVE MERCURY

General

The inorganic findings offered in this screening report assumes that all analytical results are correct as reported and is based upon the examination of the reported holding times, blank analysis results, matrix spike and LCS recoveries, matrix duplicates and calibration results. This report was prepared in compliance relative to the analytical and deliverable requirements specified in the SW 846 methods for Mercury and the Functional Guidelines for Inorganic Data Validation, February 1994 requirements and NYSDEC ASP Category B. All comments made within this report should be considered when examining the analytical results. Please refer the specific findings found in each category to the Summary of Data Qualification table.

SDGs # A1395

A validation was performed on the Metals Data from SDG A1395. The data was evaluated based on the following parameters.

- * Data Completeness
 - Holding Times
- * Calibrations
- * Blanks
- * Interferences
- * Matrix Spike Recovery
- * Matrix Duplicates
- * Field Duplicates
- * Laboratory Control Samples
- * Serial Dilutions

^{* -} All criteria were met for this parameter.

SUMMARY OF DATA QUALIFICATIONS

Sample ID Analyte DL QL Data stands as reported without qualification.



Data Validation Report

SDG#: A1684

Date: October 17, 2001
Client Name: Gannett Fleming
Project/Site Name: 425 Merrick Ave
Date Sampled: June 27, 2001

Number of Samples: 1 Non-Aqueous Sample(s) with 0 MS/MSD(s)

Laboratory: STL

Validation Guidance: National Functional Guidelines for Organic and Inorganic Data

QA/QC Level: NYSDEC ASP Category B Method(s) Utilized: SW846 Third Edition

Analytical Fractions: Mercury

Analytical data in this report were screened to determine usability of results and also to determine contractual compliance relative to these requirements and deliverables. This screening assumes analytical results are correct as reported and merely provides an interpretation of the reported quality control results. A minimum of 10% of all laboratory calculations have been verified as part of this validation. All instrument output, i.e. spectra, chromatograms, etc., for each sample have been carefully reviewed. The end-user is urged to review the Specific Findings and associated Data Qualifications presented in this report. Annotated Form 1s or spreadsheets for all samples reviewed are included after the Data Assessment Narratives. Form 1s for MS/MSD samples or spreadsheets are not annotated.

The release of this Data Validation Report is authorized by the following signature:

Paul B. Humburg, President

10-17-01.

Date

SDG# A1684

Samples and Fractions Reviewed

Sample Identifications Analytical Fraction

GANNETT FLEMING ID	MATRIX	Н	lg
MR4 S. WALL	SOIL		Х
Total Billable Samples (W	0	Į	

Hg= Mercury

DATA ASSESSMENT NARRATIVE MERCURY

General

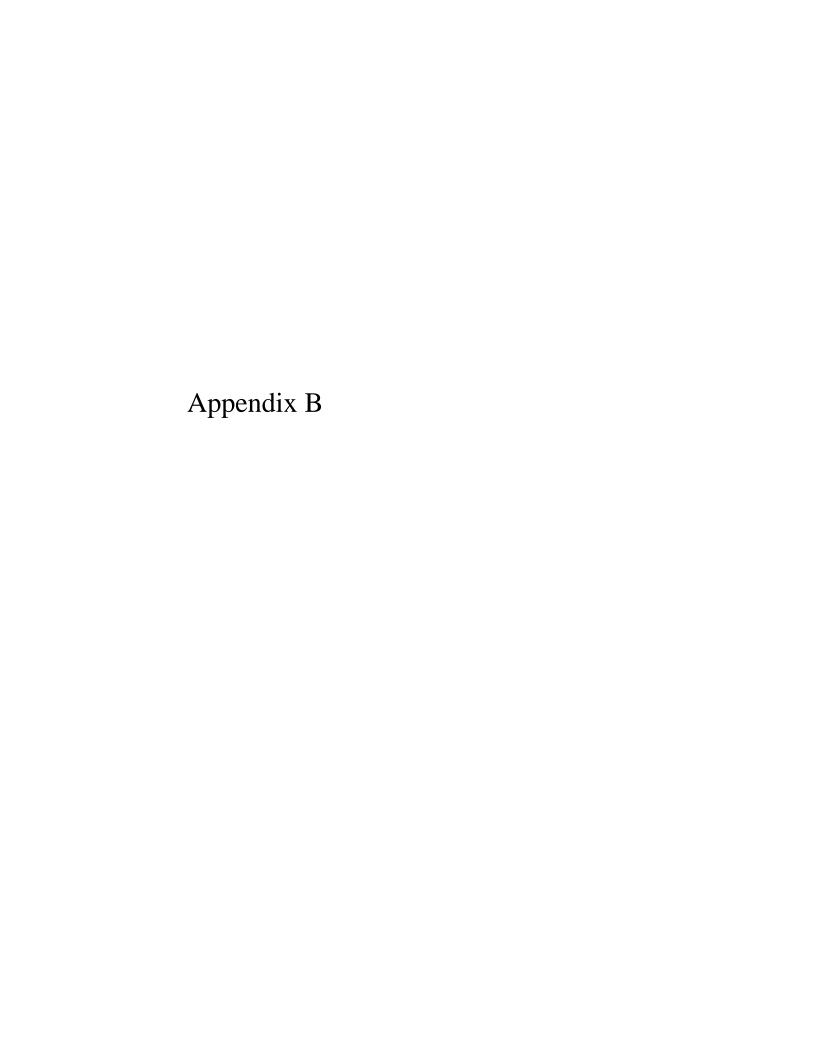
The inorganic findings offered in this screening report assumes that all analytical results are correct as reported and is based upon the examination of the reported holding times, blank analysis results, matrix spike and LCS recoveries, matrix duplicates and calibration results. This report was prepared in compliance relative to the analytical and deliverable requirements specified in the SW 846 methods for Mercury and the Functional Guidelines for Inorganic Data Validation, February 1994 requirements and NYSDEC ASP Category B. All comments made within this report should be considered when examining the analytical results. Please refer the specific findings found in each category to the Summary of Data Qualification table.

SDGs # A1684

A validation was performed on the Metals Data from SDG A1684. The data was evaluated based on the following parameters.

- * Data Completeness
- * Holding Times
- * Calibrations
- * Blanks
- * Interferences
- * Matrix Spike Recovery
- * Matrix Duplicates
- * Field Duplicates
- * Laboratory Control Samples
- * Serial Dilutions

^{* -} All criteria were met for this parameter.



APPENDIX B

WASTE DISPOSAL MANIFESTS

49350 North I-94 Service Drive, Belleville, Michigan 48111

Receipt

BRO	OKSIDE ENVIR	ONME	NTAL, IN	IC.				Receipt ID:	1100819
2108	GRAND AVE.						EQ	Account #:	2614
BALE	WIN, NY 11510)						Manifest:	NH21002
								Shipper:	
								Hauler:	HORWITH
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								Time Out:	4:47 PM
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		NHCS		TONS	84,480	31,700	52,780	26.390	
		Perpetu	ual Care S	Surcharge					
I, botl		on bel	nalf of m	y employ	er, release E				nitted only at my own risk. ny from any and all liability

DELIVERED BY

Brookside Environmental, Inc.

84480

2108 Grand Avenue. Baldwin, New York 11510 Transporter Permit #1A-644 (516) 377-6300 • Fax (516) 377-6846 EPA ID #NYR000081661 1. Customer's US EPA ID NO. NV DO13 590 955 Document No. NON-HAZARDOUS MANIFEST 3. Customer's Name and Mailing Address 425 Merrick Avenus PRP Group 21002 425 Merrick Avenue Westbury, NY 11590 Horwith Trucks Inc P.A.DI.4.6.7.1.4.8.7.8. 9. Designated Facility Name and Site Address
WAYNE DISPOSED, INC. S.R. 2 AND FILL
49350 N. I-94 Service Dr. State Facility's ID Same H. Facility's Phone 800-592-5489 MID048.0.906.33. Belleville, MI 4811 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) Waste No Waste Soil Mixture, N.O.S Non-RCRA Regulated 0.0.1 DTXXX25 J. Additional Descriptions for Materials Listed Above

a.) So. 1 Containing trace levels of Natals Approval # 062598WA XB-47596 16. CUSTOMER 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 laceled, are in all respects in proper condition for transport by highway according to applicable international and national government regulations. as Agent to a 425 Mercaich Signature Day 19. Oiscrepancy Indication Space 20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted into

49350 North I-94 Service Drive, Belleville, Michigan 48111

Receipt

BROOKSIDE ENVIRONM 2108 GRAND AVE.	IENTAL, INC.				Receipt ID: Account #:	
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not caused by its gross ne	aliaence or willful m	nisconduct.				
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	0 0					

Brookside Environmental, Inc. Howith 562

2108 Grand Avenue, Baldwin, New York 11510 (516) 377-6300 • Fax (516) 377-6846

Transporter Permit #1A-644 EPA ID #NYR000081661

7 Transporter 2 Company Name 8. US EPA ID Number E. State Transporter's ID F. Transporter's Phone 9. Designated Facility Name and Site Address 10. US EPA ID Number G. State Facility's ID AND H. Facility's Phone F. Transporter's Phone H. Facility's Phone F. Transporter's Phone H. Facility's Phone F. Transporter's ID AND H. Facility's Phone F. Transporter's ID AND H. Facility's Phone F. Transporter's ID AND H. Facility's Phone F. Transporter's ID II. US EPA ID Number III. US E	Ø3 8807 Liste No.
4. Phone (5/6) (171 - 8440 Westbury, NY 11590 5. Transporter 1 Company Name 6. US EPA ID Number F. A.D. I. 4. 8. 78. D. Transporter's ID NY - PA - 31 7. Transporter 2 Company Name 8. US EPA ID Number 8. US EPA ID Number 9. Designated Facility Name and Site Address 10. US EPA ID Number 9. Designated Facility Name and Site Address 10. US EPA ID Number 9. Designated Facility Name and Site Address 10. US EPA ID Number 9. Designated Facility Name and Site Address 10. US EPA ID Number 9. Designated Facility Name and Site Address 10. US EPA ID Number 9. Designated Facility Name and Site Address 10. US EPA ID Number 9. State Facility's ID AML H. Facility's Phone 8. State ID 9. Transporter's Phone 9. State Facility's ID AML H. Facility's Phone 8. State Transporter's ID 9. Transporter's Phone 9. Designated Facility Name and Site Address 10. US EPA ID Number 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) 12. Containers 13. 14. Unit Wast 14. Unit Wast 15. Containers 16. State Transporter's ID 17. Transporter's Phone 18. State ID 19. A.D. I. 4. 7. 8. 78 19. Transporter's Phone 9. Designated Facility Name and Site Address 10. US EPA ID Number 10. US EPA ID Number 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) 12. Containers 13. 14. Unit Wast No. Type Quantity 10. Use Including Proper Shipping Name, Hazard Class, and ID Number) 14. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) 15. Containers 16. State ID 17. A.D. I. 4. 5. 78 18. State ID 18. State ID 19. C. State Transporter's ID 19. Transporter's ID 19. Transporter's ID 19. Transporter's ID 19. Transporter's ID 10. Transporter	9
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HORWITH TRUCKS INC. P.A.D. 1.4.6. 11.4.8.78. D. Transporter's Phone 800 - 220 - 20 - 20 - 20 - 20 - 20 - 20	9
7 Transporter 2 Company Name 8. US EPA ID Number E. State Transporter's ID F. Transporter's Phone 9. Designated Facility Name and Site Address 10. US EPA ID Number G. State Facility's ID ANC H. Facility's Phone Palleville, MI H811 MID.0.4.8.0.9.0.633 . 800-592-548 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) 12. Containers No. Type Quantity Wavol Was	9
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J. Additional Descriptions for Materials Listed Above (K. Handling Codes for Wastes Listed Above (K. Handling Codes for Wastes Listed Above (K. Handling Codes for Wastes Listed Above)	
ATTORNIAL # INCOME AND XG - 70656	
Approval # 062598WA X6-10696	
16. CUSTOMER 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 are in all respects in proper condition for transport by highway according to applicable international and national government regulations.	TE
Printed / Typed Name as Agent for 425 Merckin Signature GREGORY ERNST AVE PRP GROUP 1711	60/
18	TE Ney Year
Printed / Typed Name Month Signeture Signeture 107 2	16 Q. 1
R	Day Year
19. Discrepancy Indication Space	
20. Facility Owner or Operator: Contification of receipt of waste materials covered by this manifest except as noted initiam 19.	TE
Printed / Typed Name of the Willed 1/2 O'S'	70

49350 North I-94 Service Drive, Belleville, Michigan 48111

Receipt

BROOKSIDE ENVIR 2108 GRAND AVE. BALDWIN, NY 1151			Shipper Hauler Date Time In	t: 2614 :: NH21005
Line# Approval/Ser 01 062598WA .	Waste Code Bill Unit	Gross Tare 25 MERRICK AVE, PRP G 90,600 32,140	Net Quantity ROUP 58,460 29.230	
I, both personally and		er, release EQ-the Enviro		rmitted only at my own risk. any from any and all liability

DELIVERED BY

Brookside Environmental, Inc.

556 90,600

2108 Grand Avenue, Baldwin, New York 11510 (516) 377-6300 • Fax (516) 377-6846

Transporter Permit #1A-644 EPA ID #NYR000081661

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4	10.40			F. Transporter G. State Facilit				
	9. Designated Facility Name and Site Address Inc. Site #10. US Whyne Disposal, Inc. Site #20 49350 N I-94 Service Dr.	Can of	115		St	Me		
	Pelkville, MI 48111 MI	P.O.8.11.0.0	.0.6.3.3	H. Facility's Pt		λ ₋₅	489	
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	15. Special Handling Instructions and Additional Information							
	Approval # 062598W.	A Z	Frq93; Pennsylva					
	16. CUSTOMER CERTIFICATION: I hereby declare that the contents of this consignment are ful are in all respects in proper condition for transport by highway according to applicable inter-	lly and accurately desc	cribed above by proper st	nipping name an	d are classified.	packed, ma		led, and
	Printed Typed Name as Agent fore 425 MANNE CRESSRY ERNST AVE PRPGROUP				<u> </u>		DATE Nonth Day	Year
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	19. Discrepancy Indication Space	<u> </u>						
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49350 North I-94 Service Drive, Belleville, Michigan 48111

Receipt

2108	OKSIDE ENVIR GRAND AVE. OWIN, NY 11510		VTAL, IN	NC.				Shipper: Hauler: Date:	2614 BOL21007 HORWITH 07/27/2001 10:08 AM
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I, both		l on beh	alf of m	y employ	er, release E				nitted only at my own risk. ny from any and all liabilit

DELIVERED BY

Prookside Environmental, Inc.

108 Grand Avenue, Baldwin, New York 11510 16) 377-6300 • Fax (516) 377-6846		Transporter Perm EPA ID #NYR000	nit #1A-644 0081661
NON-HAZARDOUS MANIFEST NO 135 909 55	Document No.	2. Page 1 A. Document Number	
3. Customer's Name and Marking Address 425 Merrick Wenne PRP Group 425 Merrick Wenne Westbury, NY	11590	8. State 10 Ca 104.0	
4. Phone (CAN) Name 6. US EPA ID Num		.C. State Transporter's ID NV	PA 263
7. Transporter 2 Company Name 8. US EPA ID Num	0.7.1.4.8.7.8.	E. State Transporter's ID F. Transporter's Phone	440-61-1
9. Designated Facility Name and Site Address Willy Ne Disposul, Tix Site # 2 Land Euro	imber	G. State Facility's ID Sam	e
	8.09.0.63.3	H. Facility's Phone 800-592-	5489
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Cont Na.	Type Quantity WWW	
Non-Dot Non-RCRA Regula	ted Oo.	IDTXXX a5 T	-
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R			
d.			
J. Additional Descriptions for Materials Listed Above a.) Soil Containing trace levels of	i- metals	K. Handling Codes for Wastes List	au Allive
15. Special Handling Instructions and Additional Information		1-80724	
1 Approval # 0625981		ensylvania	acked, marked, and labeled, and
16. CUSTOMER CERTIFICATION: I hereby declare that the contents of this consignment are fully and acting in all respects in proper condition for transport by highway according to applicable international are in all respects in proper condition for transport by highway according to applicable international are in all respects in proper condition for transport by highway according to applicable international are in all respects in proper condition for transport by highway according to applicable international are in all respects in proper condition for transport by highway according to applicable international are in all respects in proper condition for transport by highway according to applicable international are in all respects in proper condition for transport by highway according to applicable international are in all respects in proper condition for transport by highway according to applicable international are in all respects in proper condition for transport by highway according to applicable international are in all respects in proper condition for transport by highway according to applicable international are in all respects in proper conditions are in all respects and all respects are in all respects and		abons.	Month Day Year
Printed / Typed Name Epust as Askut for the 42) PRESSER ERUST as Askut for the 42) T 17. Transporter 1 Acknowledgement of Receipt of Materials	77		DATE Month Day Year
Printed Poed Name Sign	ature		DATE 0.1
T Printed / Typed Name	eture		Month Day Year
19. Discrepancy Indication Space F. A. C.			
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest ex	cept as noted initem 19.		DATE MATRICOLORY YEAR
Printage / Typed Name	hedi !	YIU	Q1610

49350 North I-94 Service Drive, Belleville, Michigan 48111

Receipt

2108	OKSIDE ENVIR GRAND AVE. DWIN, NY 11511		NTAL, INC.					Shipper: Hauler: Date:	2614 BOL21008 HORWITH 07/27/2001 10:26 AM
_ine#	Approval/Sen	/ice	Generator	•					
		Waste	Code Bill		Gross	Tare	Net	Quantity	
01	062598WA	NUCC			125 MERRICK			22.272	
		NHCS	ا ا al Care Surd)NS	79,080	31,140	47,940	23.970	
				J					
I, both		l on beh	alf of my e	mploye	er, release E				nitted only at my own risk. ny from any and all liability

DELIVERED BY

Brookside Environmental, Inc.

10 51	08 Grand Avenue, Baldwin, New York 11510 6) 377-6300 • Fax (516) 377-6846	Transporter Permit #1A-644 EPA ID #NYR000081661
4	NON-HAZARDOUS MANIFEST NUMBERS US EPA ID NO. Document No.	2. Page 1
	3. Customer's Name and Mailing Address 425 Merrick Overvue PRP Group	A. Document Number Q Q &
	425 Merrick Wenne Westbury NY 11590	B. State ID Same
	5. Transporter 1 Company Name PAD 1 4.878.	D. Transporter's Phone 800 220 8807
	7. Transporter 2 Company Name 8. US EPA ID Number	E. State Transporter's ID F. Transporter's Phone
	9. Designated Facility Name and Site Address Willy Dis Dosul, Inc. Site #2 Land - 10. US EPA ID Number 10. US EPA ID Number	G. State Fecility's ID
	Belloville Mt 48111 MIDD. 4.80.9063.3.	H. Facility's Phone 592-5489
	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) No.	iners 13. 14. L. Total Unit Waste No. Type Quantity Wt/Vol
GE	. Waste Soil Mixture, N.O.S. Regulated QO.1	17 W V 76 T
NER	Non-DOT Non- + CRA regulated 100.1	101111111111111111111111111111111111111
A	b	
R	c.	
	d	
	J. Additional Descriptions for Materials Listed Above a.) Soil Containing Truce levels of Metals	K. Handling Codes for Wastes Listed Above
	and sold containing trace colors of tractor	
	15. Special Handling Instructions and Additional Information	xc-76512
	TUDONAL H UUJOIN WH	Consulvania
	16 CUSTOMER CERTIFICATION: I hereby deciare that the contents of this consignment are fully and accurately described above by program in all respects in proper condition for transport by highway according to applicable international and national government regulations.	Month Day Year
ľ	Printed / Typed Name GREGORY ERUST QS Agent for 425 Herostick OREGORY FIRE TO RESTORS DE GROUP	7 2.6 0.1
	17. Transporter 1 Acknowledgement of Receipt of Materials Printed / Typed Name R.O. Viscous R.S. R. C.O.	Month Dey Year 0-73-601
1	18. Transporter 2 Acknowledgement of Receipt of Materials Signature	DATE Month Day Year
	Printed / Typed Name 19. Discrepancy Indication Space	
	F A	
	C 20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted initian 19.	
	20. Facility Owner or Operator. Cardinators of the Printed FTyped Name	OATE () OATE
1	1001 Debson / 7	¥,, P,, T,

49350 North I-94 Service Drive, Belleville, Michigan 48111

Receipt

2108	OKSIDE ENVIR GRAND AVE. DWIN, NY 11510		FAL, INC.				Shipper: Hauler: Date:	2614 NH21009 HORWITH 07/27/2001 12:53 PM	
Line#	Approval/Serv	Waste 0	Generator Code Bill Unit		Tare	Net	Quantity		
01	062598WA	NHCS	NYD013590955 TONS I Care Surcharç	80,820	K AVE. PRP GI 32,780	ROUP 48,040	24.020		
I, bot	derstand and a th personally and aused by its gro	d on beha	alf of my emplo	oyer, release l	nvironmental EQ-the Enviro	protection f onmental Q	facility is perruality Compa	nitted only at my own ny from any and all lia	risk. ability
						DI	ELIVERED E	ΙΥ	

Brookside Environmental, Inc.

Printed / Typed Marie No No () = (C)

TK522/T-102 8980

	08 Grand Avenue, Baldwin, New York 11510 6) 377-6300 • Fax (516) 377-6846				El	PA ID #NY		t #1A-644 081661
A	NON-HAZARDOUS MANIFEST NO 13590	955	Docume	ent Na.	2. Pa	ige 1		
	3. Customer's Name and Mailing Address 425 Mexick Withhe PRP Group				A. Oc	ocument Number	POC	
	425 Merrick arenue westbury, N.Y	- 11590)		B. St	ote iD Q	ne	
i .	5. Transporter 1 Company Name 6. US EP	146.7.1		ባ.አ՝	}	ata Transporter's ID	NY1 200-2	24 263
l		PA iD Number		1.0.	E. St	ete Transporter's ID		120-201
1	9. Designated Facility Name and Site Address Willy no Disposul, Inc. Sits a landfill USE	PA ID Number	• •			ate Facility's ID	Sam	<u> </u>
1	49350 N. 7-44 Sevice Dr.	0.0.4.8.0.9	مارا	22	H. Fa	COA 5	$\frac{2}{2}$	5489
1	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	J.U.Y.S.U. I		12. Contain	ers	13. Total	14. Unit	L. Waste No.
G	· Waste Soil Mixture, N.Q.S.			No.	Туре	Quantity	Wt/Vol	***************************************
E N E	Non-DOT I NON-RCRAK	egulates	1	1.00	DT	XXX 25	J	
RA	b							
T O R							 	
	c.							
	d.							
	J. Additional Descriptions for Materials Listed Above		_		, K Hac	idling Codes for Wa	ates Listed A	hove
	a.) Soil Containing Trace L	evels of	- M	etals	i	QIIII Q COLLEGE IOT FTG	green Crowned Ar	
İ	15. Special Handling instructions and Additional Information							
	ubbroam # Or	2598	ا لا	NA		TY-	145	50
	16. CUSTOMER CERTIFICATION: I hereby declare that the contents of this consignment are full are in all respects in proper condition for transport by highway according to applicable intern	y and accurately desirational and national	cribed ab governm	ove by proper ent regulations	shipping	name and are clas	sified, packed	, marked, and labeled, and DATE
V	PRINCE THE PRINCE AGENT FOR 425 MERRICK BRYORY FIVE. WESTLURY NY	Signature .	·	~				0.7 2.60./
TRAN	17. Transporter 1 Acknowledgement of Receipt of Materials Printed / Typed Name	Signature		$\overline{}$				OATE Month Day Year
S P O	18. Transporter 2 Acknowledgement of Receipt of Materials	Bu	i &	19	7444	ners		042601 DATE
R T E R	Printed / Typed Name	Signature						Month Day Year
٦	19. Discrepancy Indication Space							
A C I								
L	20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manif	fest except as noted	initem 19) .				DATE

49350 North I-94 Service Drive, Belleville, Michigan 48111

Receipt

	OKSIDE ENVIR	ONMEN	NTAL,	INC.				Receipt ID:	1100809
2108	GRAND AVE.						EQ	Account #:	2614
BALE	WIN, NY 11510	C						Manifest:	NH21003
								Shipper:	
									HORWITH
								Date:	07/27/2001
								Time In:	12:48 PM
								Time Out:	2:19 PM
Line#	Approvai/Sen	/ice	Genei	rator					
		Waste	Code	Bill Unit	Gross	Tare	Net	Quantity	
01	062598WA		NYD01	13590955 4	25 MERRICK	AVE. PRP GF	ROUP	•	
		NHCS		TONS	82,840	32,240	50,600	25.300	
		Perpetu	al Care	Surcharge					
									•

I understand and acknowledge that entry into an EQ environmental protection facility is permitted only at my own risk. I, both personally and on behalf of my employer, release EQ-the Environmental Quality Company from any and all liability not caused by its gross negligence or willful misconduct.

DELIVERED BY

49350 North I-94 Service Drive, Belleville, Michigan 48111

Receipt

2108	OKSIDE ENVIR GRAND AVE. DWIN, NY 1151		ITAL, IN	IC.				Shipper: Hauler: Date:	
								Time Out:	
_ine#	Approval/Ser	vice	Genera	itor					
				Bill Unit	Gross	Tare	Net	Quantity	
01	062598WA	NHCS	NYD013	3590955 4 TONS	25 MERRICK 79,800	AVE, PRP GI 34,020	ROUP 45,780	22.890	
I, both		Perpetua cknowled d on beha	dge tha alf of m	Surcharge at entry in y employe	ito an EQ en er, release E	vironmental _I	protection fa	acility is perm	nitted only at my own risk. ny from any and all liability
							 DE	LIVERED B	Υ

Brookside Environmental, Inc.

Transporter Permit #1A-644 2108 Grand Avenue, Baldwin, New York 11510 EPA ID #NYR000081661 (516) 377-6300 • Fax (516) 377-6846 1, Customer's US EPA 10 NO. NVD 013 59 09 55 Document No. NON-HAZARDOUS MANIFEST Customer's Name and Mailing Address
425 Merrick Winne PRP Group 425 Merrick Wenu Westbury, Ny PADI 46.7.1.4.8.7.8. D. Transporter's Phone E. State Transporter's ID F. Transporter's Phone Designated Facility Name and Site Address Inc. G. State Facility's ID 10. US EPA ID Number same 49350 N. I-94 Service Dr. H. Facility's Phone MID.O.4.80.9.0.6.3.3. <u> 200</u>3 11, US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) Unit Total Quantity WI/Vo Waste Soil Mixture, N.O.S. Non-DOT I Non-RCRA 00.1 DTXXX.25 antaining trace levels of metals Pensylvania 15, Special Handling Instructions and Additional Information 062598 WA GREGORY ERUST as Agent Transporter 1 Acknowledgement of Receipt of Materials Dav 2 Acknowledgement of Receipt of Materials Signature 19. Discrepancy Indication Space 20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted initiam 19. Printed / Typed Name 20K

49350 North I-94 Service Drive, Belleville, Michigan 48111

Receipt

BROOKSIDE ENVIR	RONME	NTAL, INC.				Receipt ID:	1100838	
2108 GRAND AVE.					EQ	Account #:	: 2614	
BALDWIN, NY 1151	0					Manifest:	NH21001	
						Shipper:		
						Hauler:	HORWITH	
						Date:	07/30/2001	
						Time In:	10:37 AM	
						Time Out:	11:17 AM	
_ine# Approval/Ser	vice	Generator						
.,		Code Bill Unit	Gross	Tare	Net	Quantity		
01 062598WA		NYD013590955 4	25 MERRICK	AVE. PRP GF	ROUP	•		
	NHCS	TONS	83,240	31,920	51,320	25.660		
	Perpetu	al Care Surcharge						
		-						
	d on beh	alf of my employe	er, release E				nitted only at my own risk. ny from any and all liability	
						HIVEDED B		
					DE	LIVERED B	T	

Brookside Environmental, Inc.

	08 Grand Avenue, Baldwin, New York 115 (6) 377-6300 • Fax (516) 377-6846	510		Transporter F EPA ID #NYF		
ıĀ	NON-HAZARDOUS MANIFEST NYD 013	5590455	Document No.	2. Page 1 A. Document Number		
	3. Customer's Name and Mailing Address 425 Metrick Avenue PRP Grev 425 Metrick Wenue	J.		21001 B. State ID		
	4 PROMO 614 - 8440 Westbury,	NY 11590		Samo		
	5. Transporter 1 Company Name Horwith Trucks Inc.	8. US EPA ID Number	8.17.8.	C. State Transporter's ID D. Transporter's Phone		
	7. Transporter 2 Company Name	8. US EPA ID Number		E. State Transporter's ID F. Transporter's Phone		
	9. Designated Facility Name and Site Address Williams Disposal Line.	10. US EPA ID Number		G. State Facility's ID	ame	
	49350 N. I-94 Service Dr.	M.ID. 04.8.0.9	1.0.633.	H. Facility's Phone	x ~54	89
	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and it		12. Containe	ns 13. Total Type Quantity	14. Unit Wt/Vol	Waste No.
GEN	· Waste Soil Mixture N.O.S. Non-DOT Non-RCRA	Regulated	0.0.1	DT XX X 2 5	T	
R A T	b					
O R	c.					
	d.		# · ·			
	J. Additional Descriptions for Materials Listed Above A) Soil Containing Truce Lev			K. Handling Codes for Was		
	15. Special Hendling Instructions and Additional Information Approval # 062598 WF					
	16. CUSTOMER CERTIFICATION: I hereby declare that the contents of this consulare in all respects in proper condition for transport by highway according to a	ignment are fully and accurately de applicable international and nation	scribed above by proper si government regulation	shipping name and are class	ufied, packed	
ŀ	Printed Typed Name as HERUT For 425 Men GRESSRY EARLST AVE PRI GROUP	ever c/e Signature	770	1		O.7 2 7 O./
	7. Transporter 1 Acknowledgement of Receipt of Materials Printed / Typed Name Michael / 5 / - 0x	Signature	dal F	9		Month Day Year 0.7 2 3 07
	18. Transporter 2 Acknowledgement of Receipt of Materials Printed / Typed Name	Signature				Month Day Year
	19. Discrepancy Indication Space F A C					
	20. Facility Owner or Operator: Certification of receipt of waste materials cover	red by this manifest except as not	d initem 19.			DATE
4	Printed/Typed Name OV L COSE	1				φ.7 300°C

49350 North I-94 Service Drive, Belleville, Michigan 48111

Receipt

2108	OKSIDE ENVIR GRAND AVE. DWIN, NY 11510		NTAL, INC.				Shipper: Hauler: Date:	2614 NH21010 horwith 07/30/2001 8:36 AM
Line#	Approval/Sen	/ice	Generator					
		Waste	Code Bill Un	it Gross	Tare	Net	Quantity	
01	062598WA		NYD01359095	5 425 MERRIC	K AVE. PRP G	ROUP		
		NHCS	TONS	87,120	31,580	55,540	27.770	
		Perpetu	al Care Surchar	rge				
I, both		l on beh	alf of my empl	oyer, release				nitted only at my own risk. ny from any and all liability

DELIVERED BY

Brookside Environmental, Inc.

87120

2108 Grand Avenue, Baldwin, New York 11510 (516) 377-6300 • Fax (516) 377-6846

Transporter Permit #1A-644 EPA ID #NYR000081661

A	NON-HAZARDOUS MANIFEST 1. Customer's US EPA ID NO. 13540955 Document No.	2. Page 1
	3. Customer's Name and Mailing Address 425 Mervick Avenue 7RD Group	A. Document Number Z 1 O 1 O
	425 Merrich Ave Westbury, NY 11590	B. State ID SAMIT
	3.4 671-3710	C. State Transporter's ID MY- PA 263
	5. Transporter 1 Company Name Horwith Trucks Inc. PA.D.1.4.6.7.1.4.878. 7. Transporter 2 Company Name 8. US EPA ID Number 8. US EPA ID Number	D. Transporter's Phone 800 220 880 7— E. State Transporter's ID
		F. Transporter's Phone
	9 Designated Facility Name and Site Address Inc School 210. US EPR TO Number Wayne 15/24 Service Dr. 44350 N. 44 Service Dr.	G. State Facility's ID
	350 N. 47 Service Dr. Belleville MI 48111 MI.D.O.4.80.9.0.63.3.	H. Facility's Phone 800-592-5489
	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) No.	era 13. 14. L. Total Unit Waste No. Type Quantity Wt/Vol
- 0 m Z	Non-DOT/NON-RCRA Regulated 0.0!	27.770 NT XXX 28 1
E	There is a proper technique of the international in the international in the international internati	
A T		
R	с.	
	d.	
	J. Additional Descriptions for Materials Listed Above	K. Handling Codes for Wastes Listed Above
	a). So. 1 Containing Trace levels of metals	
	15. Special Handling Instructions and Additional Information	4
	Approval# 062598WA Trailer Vot	e#XH47257 PA
	16. CUSTOMER CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper are in all respects in proper condition for transport by highway according to applicable international and national government regulations.	shipping name and are classified, packed, marked, and labered, and s. DATE
V	Printed / Typed Name as Agent for 425 Heurel Signature OREGINAY ERHST AVE PRP GROUP 1	Month Day Year 0.7 2.7 0.1
TRAN	17 Transporter Acknowledgement of Receipt of Materials Printed Typed Name Signature	Month Day Year
S P O	18 Fransporter 2 Acknowledgement of Receipt of Materials	DATE
R T E R	Printed / Typed Name Signature	Month Day Year
ļ	19. Discrepancy Indication Space	
AGI	ON to Change 13 A per Drew Edgar @	Brockside 7-31-01 M. Levy
L	20. Facility Owner or Operator: Cartification of receipt of waste materials covered by this manifest except as noted initem 19.	DATE
Ý	Printed / Typed Name Au North	Moath Day Year