



Gannett Fleming

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February 1, 2002

File # 38939.002

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.

cc: B. Cohen (McMillan, Rather, Bennett & Rigano)
M. Tone (Nixon Peabody)
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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	DL	QL
Data stands as reported without qualification.			

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.

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.

Tables

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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
<u>Site Investigation</u>					
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

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Table 1. Soil Sample Summary for Site Investigation and IFRMs 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 & Cu	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

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Table 1. Soil Sample Summary for Site Investigation and IFRMs 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-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-1), 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	8	PCBs, VOCs, PAHs	8081, 8021, 8270
Cesspool Liquid	7/30/97	Southern Septic Field	8	PCBs, VOCs, PAHs	8081, 8021, 8270
A	11/12/99	Earthen Drainage Area	0 to 2	PCBs, Hg	8081, 7471
B	11/12/99	Earthen Drainage Area	0 to 2	PCBs, Hg	8081, 7471
C	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

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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
<u>Site Investigation (cont.)</u>					
E	11/12/99	Earthen Drainage Area	0 to 2	PCBs, Hg	8081, 7471
F	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
<u>Final IRM Samples</u>					
TP-VII N	7/29/97	Test Pit VII, Transformers	3	PCBs, VOCs, PAHs	8081, 8021, 8270
TP-VII E	7/30/97	Test Pit VII	3	PCBs, VOCs	8081, 8021
TP-VII S	7/30/97	Test Pit VII	3	PCBs, VOCs, PAHs	8081, 8021, 8270
TP-VII S	7/30/97	Test Pit VII	3	TAL/TCL List	95-1, 95-2, 95-3, 95-4

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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.)					
TP-VII SW	12/30/97	Test Pit VII (final south wall end point)	3	TAL Metals, PCBs, Pesticides	95-3, 95-4
TP-VII W	7/29/97	Test Pit VII	3	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	5	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	2	PCBs, Hg	8081
B-17 SOUTH	4/29/98	Test Pit VIII	2	PCBs, Hg	8081
B-17 EAST	4/29/98	Test Pit VIII	2	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	3	PAHs	8270
B-21 SIDE	12/30/97	Test Pit VI	2	PAHs	8270

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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
<u>Final IRM Samples (cont.)</u>					
B-23 NORTH	4/29/98	Test Pit IX	5	Hg	7471
B-23 SOUTH	4/29/98	Test Pit IX	5	Hg	7471
B-23 EAST	4/29/98	Test Pit IX	5	Hg	7471
B-23 BOTTOM	4/29/98	Test Pit IX	10	Hg	7471
B-23 WEST	4/29/98	Test Pit IX	5	Hg	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	11	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	2	PCBs, Hg	8081, 7471
NP-C (West)	6/1/00	PCBs & Hg in Surface Soil	2	PCBs, Hg	8081, 7471
NP-D (Bottom)	6/1/00	PCBs & Hg in Surface Soil	3	PCBs, Hg	8081, 7471
NP-E, Wall (East)	6/5/01	PCBs & Hg in Surface Soil	2	PCBs, Hg	8081, 7471
NP-S, Wall (South)	4/24/01	PCBs & Hg in Surface Soil	2	PCBs, Hg	8081, 7471

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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	2	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	2	Hg	7471
MR4-S.WALL (South)	6/27/01	Hg in Sub-Foundation Soil	2	Hg	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	Hg	7471

NOTES:

- PAHs - Polycyclic Aromatic Hydrocarbons
- SVOOCs - Semivolatile Organic Compounds
- VOCs - Volatile Organic Compounds
- PCBs - Polychlorinated Biphenyl Compounds
- TAL - Target Analyte List
- TCL - Target Compound List
- Hg - Mercury
- Cu - Copper
- Cr - Chromium
- Cd - Cadmium

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

Sample ID:		MR-1	MR-2	MR-3	MR-4	MR-5	MR-6	MR-7
Sample Date:		11/21/00	11/21/00	11/21/00	11/21/00	11/21/00	11/21/00	11/21/00
Parameters (mg/kg)								
Polychlorinated Biphenyls (PCBs)		Arochlor-1016	<0.039	<0.034	<0.035	<0.036 J	<0.034	<0.034
Total PCBs	Arochlor-1221	<0.039	<0.034	<0.035	<0.036 J	<0.034	<0.034	<0.034
	Arochlor-1232	<0.039	<0.034	<0.035	<0.036 J	<0.034	<0.034	<0.034
	Arochlor-1242	<0.039	<0.034	<0.035	<0.036 J	<0.034	<0.034	<0.034
	Arochlor-1248	<0.039	<0.034	<0.035	<0.036 J	<0.034	0.035	<0.034
	Arochlor-1254	0.072	<0.034	<0.035	0.077 J	<0.034	<0.034	<0.034
	Arochlor-1260	<0.039	<0.034	<0.035	<0.036 J	<0.034	<0.034	<0.034
		0.072	NA	NA	0.077 J	NA	0.035	NA
Metals		Aluminum	--	--	--	--	--	--
NOTES:	Aluminum	--	--	3280	--	--	--	--
	Antimony	--	--	<6.3 J	--	--	--	--
	Arsenic	--	--	1.5	--	--	--	--
	Barium	--	--	<21.1	--	--	--	--
	Beryllium	--	--	<0.53	--	--	--	--
	Cadmium	--	<0.52	<0.53	--	--	--	--
	Calcium	--	--	1400 J	--	--	--	--
	Chromium	--	6.5 J	3.3 J	8.1 J	4.8 J	--	--
	Cobalt	--	--	<5.3	--	--	--	--
	Copper	--	--	2.8 J	--	--	--	--
	Iron	--	--	3570	--	--	--	--
	Lead	--	--	7.5	--	--	--	--
	Magnesium	--	--	<528	--	--	--	--
	Manganese	--	--	72.8 J	--	--	--	--
	Mercury	<0.12	<0.10	<0.11	3.9	<0.10	<0.10	<0.10
	Nickel	--	--	<4.2	--	--	--	--
	Potassium	--	--	<528	--	--	--	--
	Selenium	--	--	<0.53	--	--	--	--
	Silver	--	--	<1.1	--	--	--	--
	Sodium	--	--	<528	--	--	--	--
	Thallium	--	--	<1.1	--	--	--	--
	Vanadium	--	--	<5.3	--	--	--	--
	Zinc	--	--	11.5	--	--	--	--
mg/kg		--	--	--	--	--	--	--
Milligrams per kilogram.		--	--	--	--	--	--	--
NA		--	--	--	--	--	--	--
Not Applicable.		--	--	--	--	--	--	--
J		--	--	--	--	--	--	--
Estimated value.		--	--	--	--	--	--	--

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

Sample ID:	Date Collected	Mercury (mg/kg)
IRM West of Building II		
W. Wall #1 (Bldg 2) (West)	4/24/01	0.11
Bottom (Bldg 2)	4/24/01	0.084
Surface Soil IRM Adjacent to B-12		
NP-S. Wall (South)	4/24/01	0.029
NP-E. Wall (East)	6/5/01	0.20
MR-4 IRM		
MR-4 S. Wall (South)	6/27/01	0.024
MR-4 N. Wall (North)	6/5/01	0.063
MR-4 E. Wall (East)	6/5/01	0.036
MR-4 Bottom	5/22/01	0.083

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

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

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

mg/kg Milligrams per kilogram.

⁽¹⁾ NYSDEC Technical and Administrative Guidance Memorandum: Determination of Soil Cleanup Objective and Cleanup Levels (April 1995).

ND Not detected.

SB Site background.

J Estimated value.

Note: 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).

PCBs were detected at 12 feet below grade in Sample GP-1 Bottom at 211 mg/kg. However, additional sampling at GP-1 demonstrated

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.

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

Sample ID Location Hg Concentration (mg/kg)

B-17 SOUTH South Wall 0.12 J

BLD2-C North Wall 0.13

W. Wall #1 (BLD 2) West Wall 0.11

NP-C West Wall 0.13

SSDG/SQS NP-E Wall East Wall 0.2

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

Constituent	Date	Range of Concentrations (ppb)	Location of Detectable Concentrations	NYSDEC Ambient Water Quality Standards & Guidance Values (ppb)
<u>Volatile Organic Compounds</u>				
1,1-Dichloroethene	1/13/98	ND to 2	MW-3	5
4-Methyl-2-pentanone	1/13/98	ND to 4	N10115T	--
Toluene	1/13/98	ND to 2	N10115T	5
<u>Semi-Volatile Organic Compounds</u>				
Phenol	1/13/98	ND to 2	N10115T	1
bis(2-Ethylhexyl)phthalate	1/13/98	ND to 51	N10115T	5 ⁽¹⁾
<u>Polychlorinated Biphenyls (PCBs)</u>				
Total PCBs	3/12 & 5/13/1998	ND	--	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	1/13/98	1.0 to 1.1 B	MW-1, MW-2, & MW-3	5
Chromium	1/13/98	1.0 B to 8.2 B	MW-2 & MW-3	50
Cobalt	1/13/98	ND to 2.5 B	MW-2 & N10115T	--
Copper	1/13/98	ND to 242	N10115T	200
Iron	1/13/98	231 to 49,800	MW-1, MW-2, MW-3, & N10115T	300
Lead	1/13/98	ND to 13.3	MW-1, MW-3, & N10115T	25
Magnesium	1/13/98	2,400 B to 11,000	MW-1, MW-2, MW-3, & N10115T	35,000
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	1/13/98	ND to 11.4 B	MW-1, MW-2, & MW-3	--
Zinc	1/13/98	23.8 to 95.9	MW-1, MW-2, MW-3, & N10115T	300

NOTES:

ppb Parts per billion.

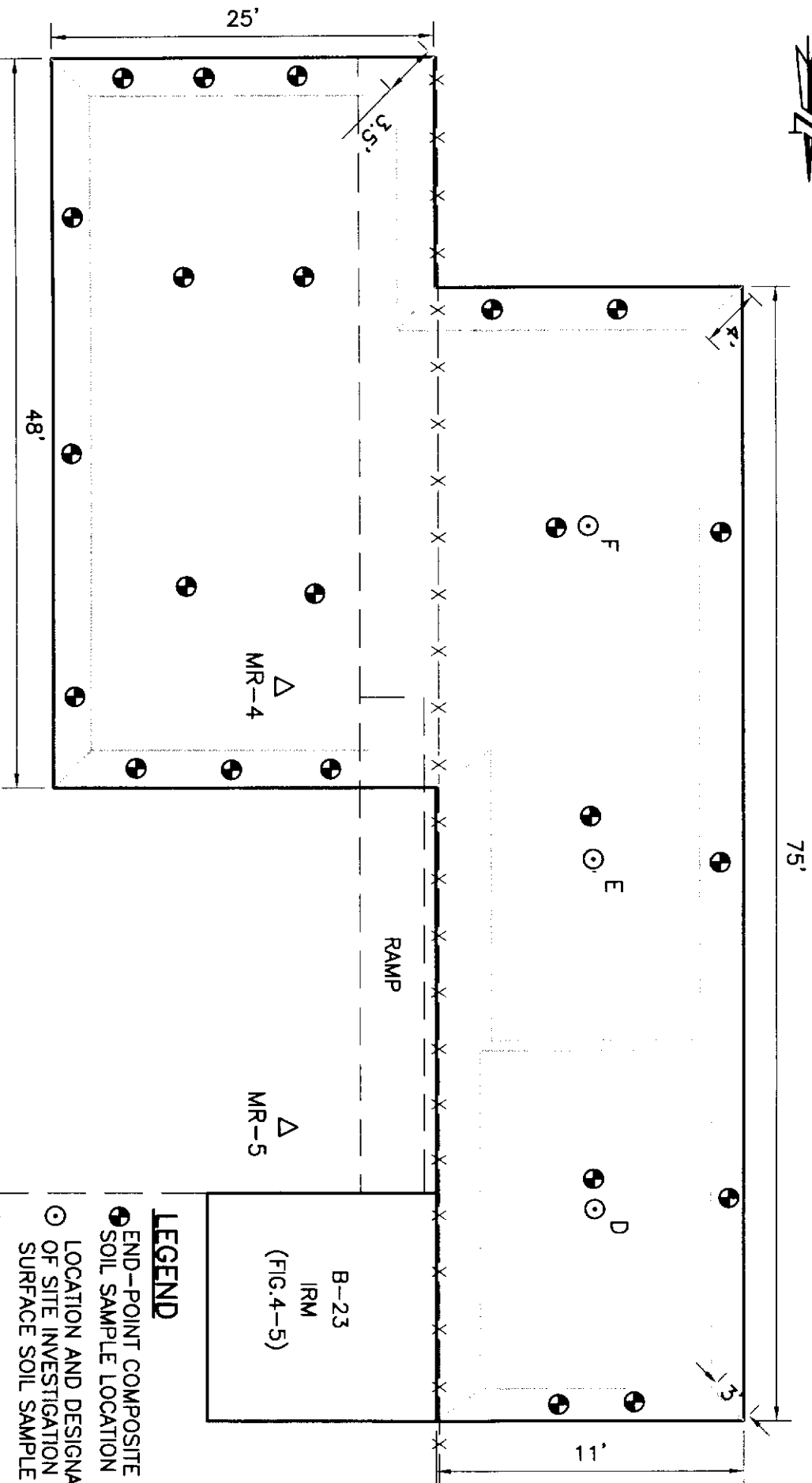
-- Not applicable.

ND Not detected.

⁽¹⁾ Revised from 50 ug/L as of 8/4/99.

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

Figures



LEGEND

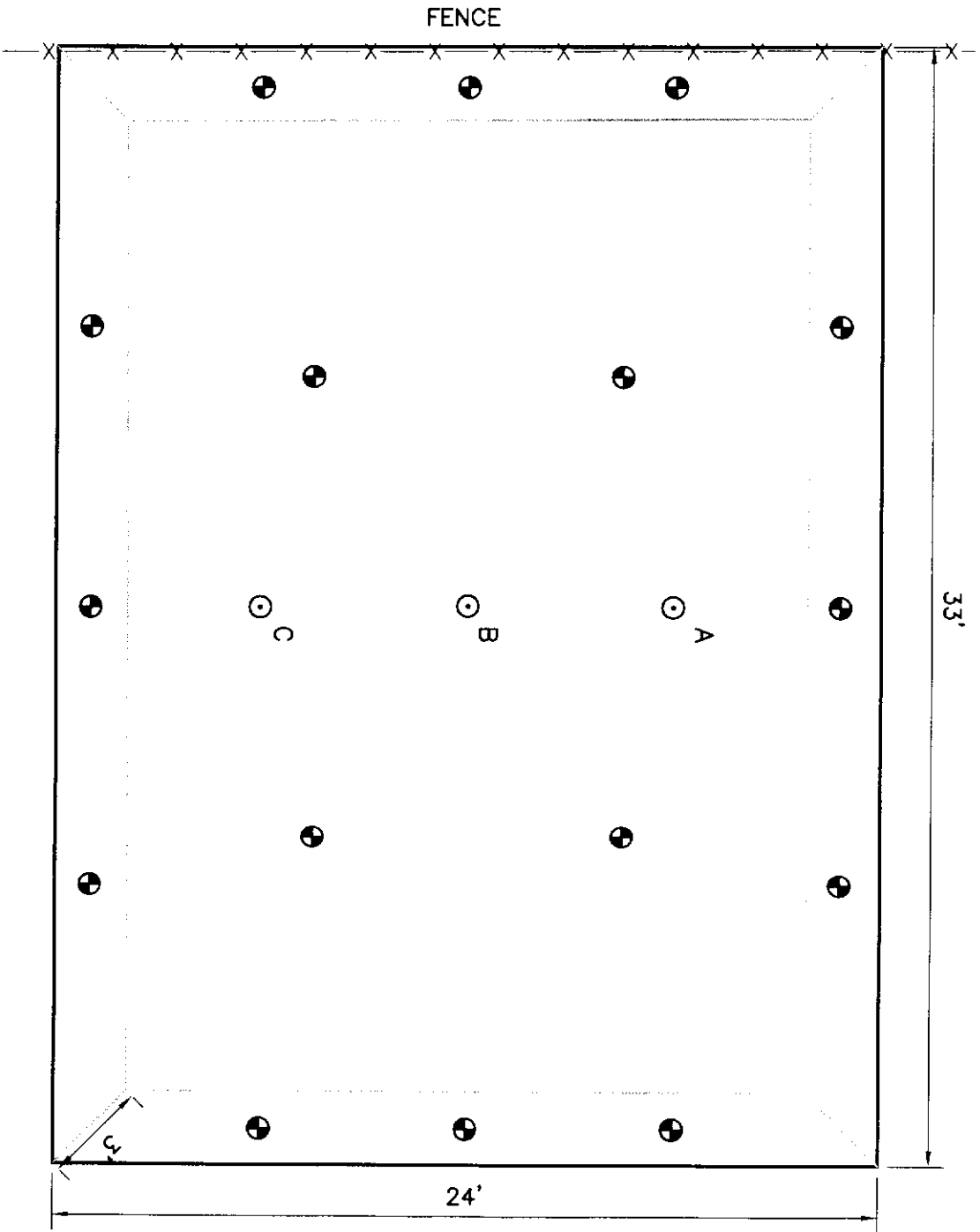
- END-POINT COMPOSITE SOIL SAMPLE LOCATION
- ⊙ LOCATION AND DESIGNATION OF SITE INVESTIGATION SURFACE SOIL SAMPLE
- △ LOCATION AND DESIGNATION OF SUBFOUNDATION SOIL SAMPLE
- BOUNDARY OF FORMER BUILDING II

NOT TO SCALE

SCHEMATIC OF BUILDING II IRM'S

425 MERRICK AVE SITE

WESTBURY, NEW YORK



LEGEND

- END-POINT COMPOSITE SOIL SAMPLE LOCATION
- ⊙ LOCATION AND DESIGNATION OF SITE INVESTIGATION SURFACE SOIL SAMPLE

NOT TO SCALE

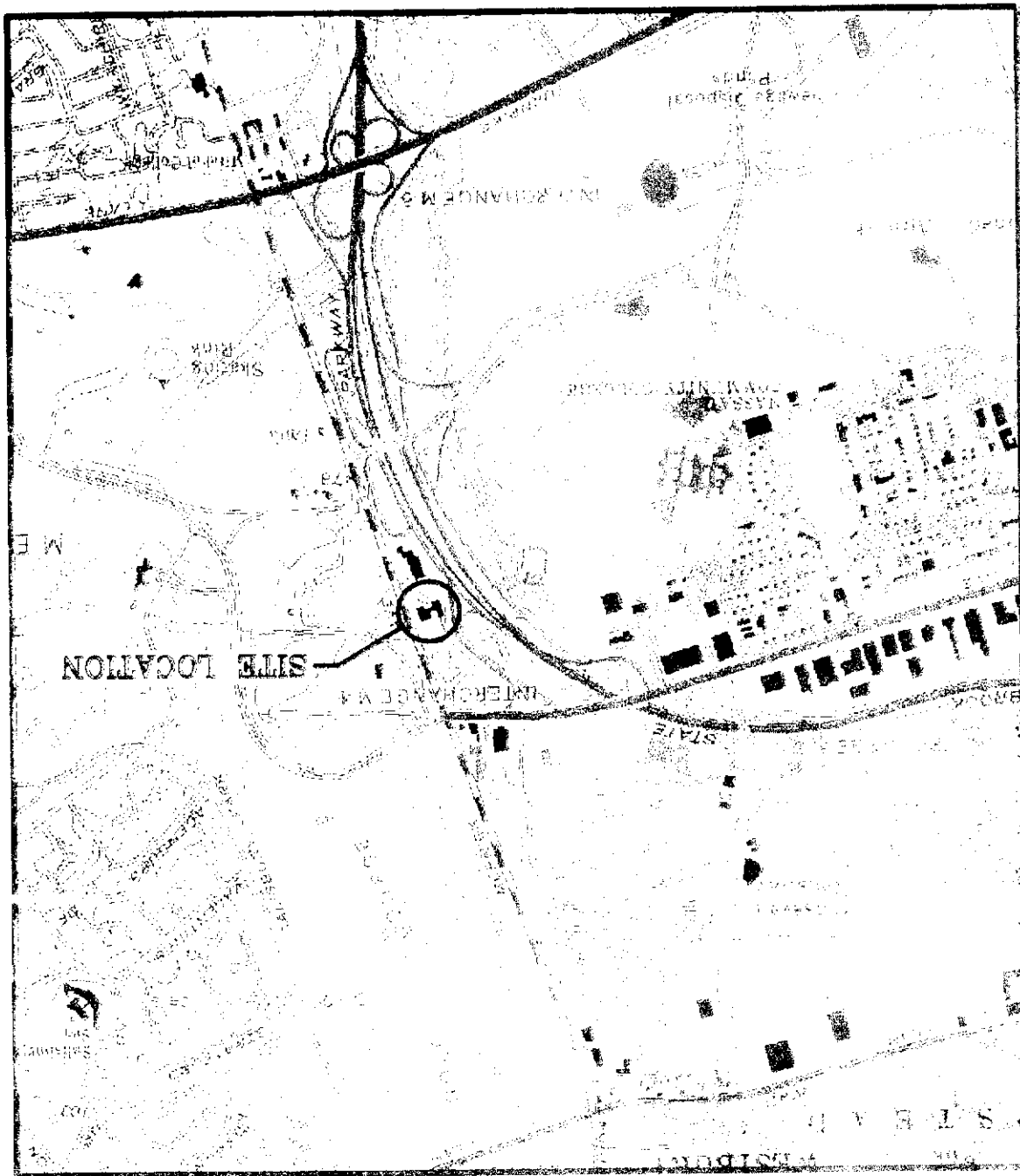
REVISED SCHEMATIC OF NORTH PIT

IRM EXCAVATION

425 MERRICK AVENUE
WESTBURY, NEW YORK

FIGURE 1
SITE LOCATION

425 MERRICK AVENUE
WESTBORO, NEW YORK



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

LOCATION MAP

SCALE 1"=2000'



SITE PLAN
425 MERRICK AVENUE
WESTBURY, NEW YORK

Appendix A

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

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Mercury in Solid Waste (Manual Cold-Vapor)	SW846 7471A
PCBs by SW-846 8082	SW846 8082
Total Residue as Percent Solids	MCAWW 160.3 MOD
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B

References:

- MCAWW "Methods for Chemical Analysis of Water and Wastes",
EPA-600/4-79-020, March 1983 and subsequent revisions.
- SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical
Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

A0K220123

WO #	SAMPLE#	CLIENT SAMPLE ID	DATE	TIME
DQAHE	001	MR-1	11/21/00	
DQAHH	002	MR-2	11/21/00	
DQAHK	003	MR-3	11/21/00	
DQAHL	004	MR-4	11/21/00	
DQAHN	005	MR-5	11/21/00	
DQAHP	006	MR-6	11/21/00	
DQAHW	007	MR-7	11/21/00	

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 limit.
- 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.



ARCADIS GERAGHTY & MILLER

Laboratory Task Order No./P.O. No. _____

CHAIN-OF-CUSTODY RECORD

Page 1 of _____

Project Number/Name NY001301.0001

Project Location 425 North Ave. Westbury NY

Laboratory STL - North Canton OH

Project Manager Greg Ernst

Sampler(s)/Affiliation Francis Rossi AG+M

ANALYSIS / METHOD / SIZE			
PCB, Hg	8oz	PCB, TAL Metals	8oz
PCB, Hg, CR	8oz	PCB, Hg, CR	8oz
PCB, Hg, CR, Cd	8oz	PCB, Hg, CR, Cd	8oz

Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	Remarks	Total
MR-1	S	11/21/00			1
MR-2	S				1
MR-3	S				1
MR-4	S				1
MR-5	S				1
MR-6	S				1
MR-7	S				1
*Prelim 10 day Turnaround					
Total No. of Bottles/Containers <u>7</u>					

Sample Matrix: L = Liquid; S = Solid; A = Air

Relinquished by: Francis Rossi Organization: AG+M Date: 11/21/00 Time: 5:30 PM Seal Intact? Yes

Received by: Greg Ernst Organization: STL-NC Date: 11/22/00 Time: 9:40 Seal Intact? Yes

Relinquished by: _____ Organization: _____ Date: _____ Time: _____ Seal Intact? _____

Received by: _____ Organization: _____ Date: _____ Time: _____ Seal Intact? _____

Special Instructions/Remarks:

Please report sample results to Greg Ernst AG+M Mobil NY

Any questions call (631) 391-5442/43

Delivery Method: ☐ In Person ☒ Common Carrier Fed Ex ☐ Lab Courier ☐ Other _____

ARCADIS GERAGHTY & MILLER INC

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 %: 15

QC Batch: 0327217

Client Sample Id: MR-1

		CONCENTRATION UNITS:	
CAS NO.	COMPOUND	(ug/L or ug/kg)	ug/kg
12674-11-2	PCB-1016	39	U
11104-28-2	PCB-1221	39	U
11141-16-5	PCB-1232	39	U
53469-21-9	PCB-1242	39	U
12672-29-6	PCB-1248	39	U
11097-69-1	PCB-1254	72	
11096-82-5	PCB-1260	39	U

EXX
10/12/01

ARCADIS GERAGHTY & MILLER INC

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) SO

Lab Sample ID: A0K220123 002

Method: SW846 8082

PCBs (8082)

Sample WT/Vol: 30.16 / g

Date Received: 11/22/00

Work Order: DQAHH1AA

Date Extracted: 11/22/00

Dilution factor: 1

Date Analyzed: 12/05/00

Moisture %: 4.0

QC Batch: 0327217

Client Sample Id: MR-2

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg)	ug/kg
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
12672-29-6	PCB-1248	34	U
11097-69-1	PCB-1254	34	U
11096-82-5	PCB-1260	34	U

ERK
10/12/01

ARCADIS GERAGHTY & MILLER INC

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) SO

Lab Sample ID: AOK220123 003

Method: SW846 8082

PCBs (8082)

Sample WT/Vol: 30 / g

Date Received: 11/22/00

Work Order: DQAHKLAA

Date Extracted: 11/22/00

Dilution factor: 1

Date Analyzed: 12/05/00

Moisture %: 5.2

QC Batch: 0327217

Client Sample Id: MR-3

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

Eck
10/12/01

ARCADIS GERAGHTY & MILLER INC

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 %: 8.4

QC Batch: 0327217

Client Sample Id: MR-4

		CONCENTRATION UNITS:		
CAS NO.	COMPOUND	(ug/L or ug/kg)	ug/kg	Q
12674-11-2	PCB-1016	36		US
11104-28-2	PCB-1221	36		
11141-16-5	PCB-1232	36		
53469-21-9	PCB-1242	36		
12672-29-6	PCB-1248	36		
11097-69-1	PCB-1254	77		J
11096-82-5	PCB-1260	36		US

GR
10/12/01

ARCADIS GERAGHTY & MILLER INC

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 %: 3.7

QC Batch: 0327217

Client Sample Id: MR-5

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg)	ug/kg
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
12672-29-6	PCB-1248	34	U
11097-69-1	PCB-1254	34	U
11096-82-5	PCB-1260	34	U

EKK
10/12/01

ARCADIS GERAGHTY & MILLER INC

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) SO

Lab Sample ID: AOK220123 006

Method: SW846 8082

PCBs (8082)

Sample WT/Vol: 30.09 / g

Date Received: 11/22/00

Work Order: DQAHPLAA

Date Extracted: 11/22/00

Dilution factor: 1

Date Analyzed: 12/05/00

Moisture %: 2.4

QC Batch: 0327217

Client Sample Id: MR-6

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg)	ug/kg
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
12672-29-6	PCB-1248	35	
11097-69-1	PCB-1254	34	U
11096-82-5	PCB-1260	34	U

EKK
10/12/01

ARCADIS GERAGHTY & MILLER INC

Lab Name: Severn Trent Laboratories, Inc.

SDG Number:

Matrix: (soil/water) SO

Lab Sample ID: AOK220123 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

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/kg)	ug/kg	
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
12672-29-6	PCB-1248	34		U
11097-69-1	PCB-1254	34		U
11096-82-5	PCB-1260	34		U

EKC
10/12/01

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: MR-1

TOTAL Metals

Lot-Sample #....: AOK220123-001

Matrix.....: SO

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

Date Received...: 11/22/00

% Moisture.....: 15

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 0332111						
Mercury	ND	0.12	mg/kg	SW846 7471A	11/27-11/28/00	DQAHE1AC
		Dilution Factor: 1				

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

PBH 10/4/01

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: MR-2

TOTAL Metals

Lot-Sample #: AOK220123-002

Matrix.....: SO

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

Date Received...: 11/22/00

% Moisture.....: 4.0

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #: 0332111						
Cadmium	ND	0.52	mg/kg	SW846 6010B	11/27-11/29/00	DQAHHLA
		Dilution Factor: 1				
Chromium	6.5	1.0	mg/kg	SW846 6010B	11/27-11/29/00	DQAHHLA
		Dilution Factor: 1				
Mercury	ND	0.10	mg/kg	SW846 7471A	11/27-11/28/00	DQAHHLA
		Dilution Factor: 1				

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

JBW 10/4/01

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: MR-3

TOTAL Metals

Lot-Sample #....: AOK220123-003

Matrix.....: SO

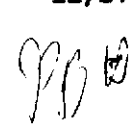
Date Sampled....: 11/21/00

Date Received...: 11/22/00

% Moisture.....: 5.2

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 0332111						
Aluminum	3280	21.1	mg/kg	SW846 6010B	11/27-11/29/00	DQAHKLA
		Dilution Factor: 1				
Arsenic	1.5	1.1	mg/kg	SW846 6010B	11/27-11/29/00	DQAHKLA
		Dilution Factor: 1				
Lead	7.5	0.32	mg/kg	SW846 6010B	11/27-11/29/00	DQAHKLA
		Dilution Factor: 1				
Antimony	ND	6.3	mg/kg	SW846 6010B	11/27-11/29/00	DQAHKLA
		Dilution Factor: 1				
Barium	ND	21.1	mg/kg	SW846 6010B	11/27-11/29/00	DQAHKLA
		Dilution Factor: 1				
Selenium	ND	0.53	mg/kg	SW846 6010B	11/27-11/29/00	DQAHKLA
		Dilution Factor: 1				
Beryllium	ND	0.53	mg/kg	SW846 6010B	11/27-11/29/00	DQAHKLA
		Dilution Factor: 1				
Thallium	ND	1.1	mg/kg	SW846 6010B	11/27-11/29/00	DQAHKLA
		Dilution Factor: 1				
Cadmium	ND	0.53	mg/kg	SW846 6010B	11/27-11/29/00	DQAHKLA
		Dilution Factor: 1				
Calcium	1400	528	mg/kg	SW846 6010B	11/27-11/29/00	DQAHKLA
		Dilution Factor: 1				
Chromium	3.3	1.1	mg/kg	SW846 6010B	11/27-11/29/00	DQAHKLA
		Dilution Factor: 1				
Cobalt	ND	5.3	mg/kg	SW846 6010B	11/27-11/29/00	DQAHKLA
		Dilution Factor: 1				
Copper	2.8	2.6	mg/kg	SW846 6010B	11/27-11/29/00	DQAHKLA
		Dilution Factor: 1				
Iron	3570	10.6	mg/kg	SW846 6010B	11/27-11/29/00	DQAHKLA
		Dilution Factor: 1				

(Continued on next page)

 10/4/01
 017

ARCADIS GRAGHY & MILLER INC

Client Sample ID: MR-3

TOTAL Metals

Lot-Sample #....: AOK220123-003

Matrix.....: SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Magnesium	ND	528	mg/kg	SW846 6010B	11/27-11/29/00	DQAHKLA
		Dilution Factor: 1				
Manganese	72.8	1.6	mg/kg	J2 P60 L2 SW846 6010B	11/27-11/29/00	DQAHKLA
		Dilution Factor: 1				
Nickel	ND	4.2	mg/kg	SW846 6010B	11/27-11/29/00	DQAHKLA
		Dilution Factor: 1				
Potassium	ND	528	mg/kg	SW846 6010B	11/27-11/29/00	DQAHKLA
		Dilution Factor: 1				
Silver	ND	1.1	mg/kg	SW846 6010B	11/27-11/29/00	DQAHKLA
		Dilution Factor: 1				
Sodium	ND	528	mg/kg	SW846 6010B	11/27-11/29/00	DQAHKLA
		Dilution Factor: 1				
Vanadium	ND	5.3	mg/kg	SW846 6010B	11/27-11/29/00	DQAHKLA
		Dilution Factor: 1				
Zinc	11.5	2.1	mg/kg	SW846 6010B	11/27-11/29/00	DQAHKLA
		Dilution Factor: 1				
Mercury	ND	0.11	mg/kg	SW846 7471A	11/27-11/28/00	DQAHKLA
		Dilution Factor: 1				

NOTE (S):

Results and reporting limits have been adjusted for dry weight.

J2 P60
10/4/01

018

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: MR-4

TOTAL Metals

Lot-Sample #....: AOK220123-004
 Date Sampled....: 11/21/00
 % Moisture.....: 8.4

Date Received...: 11/22/00

Matrix.....: SO

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 0332111						
Chromium	8.1	1.1	mg/kg	SW846 6010B	11/27-11/29/00	DQAHLIAC
		Dilution Factor: 1				
Mercury	3.9	0.55	mg/kg	SW846 7471A	11/27-11/28/00	DQAHLIAC
		Dilution Factor: 5				

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Handwritten: JI
 PBA
 10/4/01

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: MR-5

TOTAL Metals

Lot-Sample #....: AOK220123-005

Matrix.....: SO

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

Date Received...: 11/22/00

% Moisture.....: 3.7

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 0332111						
Chromium	4.8	1.0	mg/kg	SW846 6010B	11/27-11/29/00	DQAHNLA
		Dilution Factor: 1				
Mercury	ND	0.10	mg/kg	SW846 7471A	11/27-11/28/00	DQAHNLA
		Dilution Factor: 1				

NOTE (S):

Results and reporting limits have been adjusted for dry weight.

PBH 10/4/01

020

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: MR-6

TOTAL Metals

Lot-Sample #...: AOK220123-006

Matrix.....: SO

Date Sampled...: 11/21/00

Date Received...: 11/22/00

% Moisture.....: 2.4

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 0332111						
Mercury	ND	0.10	mg/kg	SW846 7471A	11/27-11/28/00	DQAHPLAC
		Dilution factor: 1				

NOTE(S) :

Results and reporting limits have been adjusted for dry weight.

JBH

10/4/01

ARCADIS GRAGHTY & MILLER INC

Client Sample ID: MR-7

TOTAL Metals

Lot-Sample #....: AOK220123-007

Matrix.....: SO

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

Date Received...: 11/22/00

% Moisture.....: 3.9

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 0332111						
Mercury	ND	0.10	mg/kg	SW846 7471A	11/27-11/28/00	DQAHW1A
Dilution Factor: 1						

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

Mr 10/4/01

022

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: MR-1

General Chemistry

Lot-Sample #....: AOK220123-001
Date Sampled....: 11/21/00
% Moisture.....: 15

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

Matrix.....: SO

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

Dilution Factor: 1

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: MR-2

General Chemistry

Lot-Sample #....: AOK220123-002
Date Sampled....: 11/21/00
% Moisture.....: 4.0

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

Matrix.....: SO

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Percent Solids	96.0	10.0	%	MCANW 160.3 MOD	11/25-11/27/00	0330104

Dilution Factor: 1

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: MR-3

General Chemistry

Lot-Sample #: AOK220123-003
Date Sampled: 11/21/00
% Moisture: 5.2

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

Matrix: SO

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Percent Solids	94.8	10.0	%	MCANW 160.3 MOD	11/25-11/27/00	0330104

Dilution Factor: 1

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: MR-4

General Chemistry

Lot-Sample #....: AOK220123-004

Work Order #....: DQAHL

Matrix.....: SO

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

Date Received...: 11/22/00

% Moisture.....: 8.4

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Percent Solids	91.6	10.0	%	MCAWW 160.3 MOD	11/25-11/27/00	0330104

Dilution Factor: 1

NOTE(S):

RL: Reporting Limit

Results and reporting limits have been adjusted for dry weight.

ARCADIS GRAGHTY & MILLER INC

Client Sample ID: MR-5

General Chemistry

Lot-Sample #....: AOK220123-005

Work Order #....: DQAHN

Matrix.....: SO

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

Date Received...: 11/22/00

% Moisture.....: 3.7

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Percent Solids	96.3	10.0	%	MCANW 160.3 MOD	11/25-11/27/00	0330104

Dilution Factor: 1

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: MR-6

General Chemistry

Lot-Sample #....: AOK220123-006
Date Sampled....: 11/21/00
% Moisture.....: 2.4

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

Matrix.....: SO

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Percent Solids	97.6	10.0	%	MCAWW 160.3 MOD	11/25-11/27/00	0330104
	Dilution Factor: 1					

NOTE(S):

RL: Reporting Limit

Results and reporting limits have been adjusted for dry weight.

ARCADIS GERAGHTY & MILLER INC

Client Sample ID: MR-7

General Chemistry

Lot-Sample #....: AOK220123-007
Date Sampled....: 11/21/00
% Moisture.....: 3.9

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

Matrix.....: SO

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Percent Solids	96.1	10.0	%	MCANW 160.3 MOD	11/25-11/27/00	0330104

Dilution Factor: 1

NOTE(S) :

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

SEVERN
TRENT
SERVICES

May 11, 2001

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

STL Connecticut
128 Long Hill Cross Road
Shelton, CT 06484

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

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
- . analytical methodology
- . state certifications
- . definition of data qualifiers and terminology
- . analytical results
- . 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.

Very truly yours,


Jeffrey C. Curran
Laboratory Manager

JCC

This report contains 8 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
 $(77479\text{area})(10000\text{ul})(50) = 2748\text{ug/kg}$
 $(501940\text{area/ng})(30.2\text{g})(.93)(1\text{ul})$

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: IEACT Case No.: 1012A SDG No.: A1012

Matrix: (soil/water): SOIL Lab Sample ID: 011012A-07

Sample wt/vol: 30.2 (g/ml) G Lab File ID: D5094195

% Moisture: 7 decanted: (Y/N) __ Date Received : 04/26/01

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/29/01

Concentrated Extract Volume: 10000 (ul) Date Analyzed : 05/01/01

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) UG/KG

12674-11-2	Aroclor-1016	1800	U
11104-28-2	Aroclor-1221	3600	U
11141-16-5	Aroclor-1232	1800	U
53469-21-9	Aroclor-1242	1800	U
12672-29-6	Aroclor-1248	1800	U
11097-69-1	Aroclor-1254	2900	
11096-82-5	Aroclor-1260	500	J

EWK
10/11/01

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Lab Name: STL

Contract: _____

W.WALL#1 (BLDG2)

Lab Code: STLCase No.: 1012A

SAS No.: _____

SDG No.: A1012Matrix (soil/water): SOILLab Sample ID: 011012A-01Level (low/med): LOWDate Received: 04/26/01% Solids: 87.4

Concentration 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	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				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	0.11			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				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: _____

Clarity Before: OPAQUE

Texture: _____

Color After: _____

Clarity After: OPAQUE

Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Lab Name: STL

Contract: _____

BOTTOM (BLDG2)

Lab Code: STLCase No.: 1012A

SAS No.: _____

SDG No.: A1012Matrix (soil/water): SOILLab Sample ID: 011012A-02Level (low/med): LOWDate Received: 04/26/01% Solids: 91.2

Concentration 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	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				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	0.084			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				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

704
10/4/01

Color Before: _____

Clarity Before: OPAQUE

Texture: _____

Color After: _____

Clarity After: OPAQUE

Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MR4-E.WALL

Lab Name: STL

Contract: _____

Lab Code: STLCase No.: 1012A

SAS No.: _____

SDG No.: A1012Matrix (soil/water): SOILLab Sample ID: 011012A-03Level (low/med): LOWDate Received: 04/26/01% Solids: 88.4

Concentration 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	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				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	0.48			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				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: _____

Clarity Before: OPAQUE

Texture: _____

Color After: _____

Clarity After: OPAQUE

Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MR4-N.WALL

Lab Name: STL

Contract: _____

Lab Code: STLCase No.: 1012A

SAS No.: _____

SDG No.: A1012Matrix (soil/water): SOILLab Sample ID: 011012A-04Level (low/med): LOWDate Received: 04/26/01% Solids: 95.2

Concentration 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	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				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	5.3			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				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: _____

Clarity Before: OPAQUE

Texture: _____

Color After: _____

Clarity After: OPAQUE

Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MR4-S.WALL

Lab Name: STL

Contract: _____

Lab Code: STLCase No.: 1012A

SAS No.: _____

SDG No.: A1012Matrix (soil/water): SOILLab Sample ID: 011012A-05Level (low/med): LOWDate Received: 04/26/01% Solids: 82.1

Concentration 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	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				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	1.8			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				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: _____

Clarity Before: OPAQUE

Texture: _____

Color After: _____

Clarity After: OPAQUE

Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Lab Name: STL

Contract: _____

MR4-BOTTOM

Lab Code: STLCase No.: 1012A

SAS No.: _____

SDG No.: A1012Matrix (soil/water): SOILLab Sample ID: 011012A-06Level (low/med): LOWDate Received: 04/26/01% Solids: 92.2

Concentration 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	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				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	3.1			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				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

JB
10/4/01

Color Before: _____

Clarity Before: OPAQUE

Texture: _____

Color After: _____

Clarity After: OPAQUE

Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Lab Name: STL

Contract: _____

NP-S.WALL

Lab Code: STLCase No.: 1012A

SAS No.: _____

SDG No.: A1012Matrix (soil/water): SOILLab Sample ID: 011012A-07Level (low/med): LOWDate Received: 04/26/01% Solids: 92.4

Concentration 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	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				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	0.029			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				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: _____

Clarity Before: OPAQUE

Texture: _____

Color After: _____

Clarity After: OPAQUE

Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Lab Name: STL

Contract: _____

NP-E.WALL

Lab Code: STLCase No.: 1012A

SAS No.: _____

SDG No.: A1012Matrix (soil/water): SOILLab Sample ID: 011012A-08Level (low/med): LOWDate Received: 04/26/01% Solids: 92.1

Concentration 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	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				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	2.7			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				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: _____

Clarity Before: OPAQUE

Texture: _____

Color After: _____

Clarity After: OPAQUE

Artifacts: _____

Comments:



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	Responsible Agency	Certification	Lab 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	Chemistry...Non- 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

0007

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

Client ID: BOTTOM (BLDG2), MR4-BOTTOM, MR4-E.WALL, MR4-N.WALL, MR4-S.WALL,
NP-E.WALL, NP-S.WALL, W.WALL#1 (BLDG2)
Job Number: 7001-1012A

Date: 5/12/101

Qty Matrix	Analysis	Description
------------	----------	-------------

8 SOIL	HG-NSW846	Mercury
1 SOIL	PCB-8082	PCB's

**SEVERN
TRENT
SERVICES**

May 31, 2001

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

STL Connecticut
128 Long Hill Cross Road
Shelton, CT 06484

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

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
- . analytical methodology
- . state certifications
- . definition of data qualifiers and terminology
- . analytical results
- . 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 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 7 pages.

7001-1269A
GANNETT FLEMING



Case Narrative

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

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.

7001-1269A
GANNETT FLEMING

SEVERN
TRENT
SERVICES

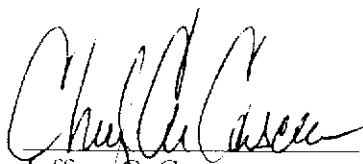
Case Narrative

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

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

May 31, 2001
Date

CLIENT CHAINS OF CUSTODY

Client:	GANNETT FLEMING
Project ID:	425 MERRICK AVENUE
SDG #:	A1269
STL ID:	7001-1269A

SEVERN
TRENT
SERVICES

STL Connecticut
128 Long Hill Circle Road
Shelton CT 06484
Tel: (203) 979-8140
Fax: (203) 929-8142

STL Connecticut
128 Long Hill Circle Road
Shelton, CT 06484
Tel: (203) 929-8140
Fax: (203) 929-8142

Tel: (203) 929.8140
Fax: (203) 929.8142

STL JOB #: 7001 1269A

CLIENT: Gamblett Fleury

PROJECT ID: 425 NICKEL Ave, WILMINGTON, NY

STL PROJECT MGR: Kid Martin

RUSH	YES	NO	DUE DATE
	X		2004

[illegible]

MATRIX CODES		BOTTLES PREPARED BY	DATE / TIME	BOTTLES REC'D BY	DATE / TIME	REMARKS ON SAMPLE RECEIPT
- AIR	S - SOIL	BOTTLES PREPARED BY William Shannon	DATE / TIME 5/22/01	SIGNATURE	DATE / TIME	BOTTLES INTACT CUSTODY SEALS SEALS INTACT SEE REMARKS PRESERVED CHILLED
- AQUEOUS	SL - SLUDGE			SIGNATURE	DATE / TIME	
- COMPLEX	W - WIPE			SIGNATURE	DATE / TIME	
- DRUM WASTE	O - OTHER			SIGNATURE	DATE / TIME	
- OIL	FB - FIELD BLANK			SIGNATURE	DATE / TIME	
	TB - TRIP BLANK	SIGNATURE	DATE / TIME			

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MR4-E.WALL

Lab Name: STL

Contract: _____

Lab Code: STL Case No.: 1269A

SAS No.: _____

SDG No.: A1269Matrix (soil/water): SOILLab Sample ID: 011269A-01Level (low/med): LOWDate Received: 05/22/01% Solids: 94

Concentration 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	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				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	0.90			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				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: _____

Clarity Before: OPAQUE

Texture: _____

Color After: _____

Clarity After: OPAQUE

Artifacts: _____

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MR4-N.WALL

Lab Name: STL

Contract: _____

Lab Code: STL Case No.: 1269A

SAS No.: _____

SDG No.: A1269Matrix (soil/water): SOILLab Sample ID: 011269A-02Level (low/med): LOWDate Received: 05/22/01% Solids: 94.1

Concentration 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	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				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	0.36			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				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: _____

Clarity Before: OPAQUE

Texture: _____

Color After: _____

Clarity After: OPAQUE

Artifacts: _____

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MR4-S.WALL

Lab Name: STL

Contract: _____

Lab Code: STL Case No.: 1269A

SAS No.: _____

SDG No.: A1269Matrix (soil/water): SOILLab Sample ID: 011269A-03Level (low/med): LOWDate Received: 05/22/01% Solids: 91

Concentration 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	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				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	0.73			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				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: _____

Clarity Before: OPAQUE

Texture: _____

Color After: _____

Clarity After: OPAQUE

Artifacts: _____

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MR4-BOTTOM

Lab Name: STL

Contract: _____

Lab Code: STL Case No.: 1269A

SAS No.: _____

SDG No.: A1269Matrix (soil/water): SOILLab Sample ID: 011269A-04Level (low/med): LOWDate Received: 05/22/01% Solids: 93.4

Concentration 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	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				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	0.083			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				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

PBW
10/4/01

Color Before: _____

Clarity Before: OPAQUE

Texture: _____

Color After: _____

Clarity After: OPAQUE

Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

NP-E.WALL

Lab Name: STL

Contract: _____

Lab Code: STLCase No.: 1269A

SAS No.: _____

SDG No.: A1269Matrix (soil/water): SOILLab Sample ID: 011269A-05Level (low/med): LOWDate Received: 05/22/01% Solids: 93.3

Concentration 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	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				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	0.22			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				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: _____

Clarity Before: OPAQUE

Texture: _____

Color After: _____

Clarity After: OPAQUE

Artifacts: _____

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)

State	Agency	Category	Reference
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	Chemistry...Non-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	011269A-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

STL CT ANALYTICAL SUMMARY

Page:1

Client ID: MR4-BOTTOM, MR4-E.WALL, MR4-N.WALL, MR4-S.WALL, NP-E.WALL
Job Number: 7001-1269A

Date: 6/1/101

Qty Matrix	Analysis	Description
5 SOIL	HG-NSW846	Mercury

**SEVERN
TRENT
SERVICES**

June 15, 2001

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

STL Connecticut
128 Long Hill Cross Road
Shelton, CT 06484

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

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
- . analytical methodology
- . state certifications
- . definition of data qualifiers and terminology
- . analytical results
- . chain-of-custody

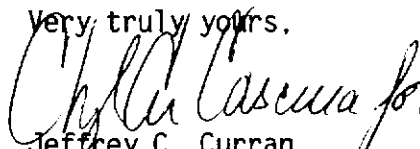
STL Report #7001-1395A	
Project ID: 425 merrick avenue	

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 6 pages.

SDG NARRATIVE

Client:	GANNETT FLEMING
Project ID:	425 MERRICK AVENUE
SDG #:	A1395
STL ID:	7001-1395A

7001-1395A
GANNETT FLEMING

SEVERN
TRENT
SERVICES

Case Narrative

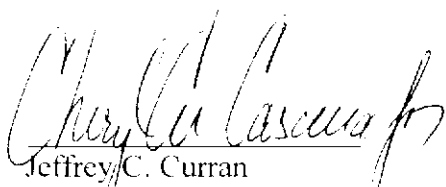
STL Connecticut

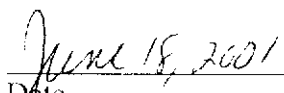
Sample Receipt – All samples were received in good condition at 15 °C .

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.


Jeffrey C. Curran
Laboratory Manager


Date

CLIENT CHAINS OF CUSTODY

Client:	GANNETT FLEMING
Project ID:	425 MERRICK AVENUE
SDG #:	A1395
STL ID:	7001-1395A



Gannett Fleming

TURNAROUND TIME

☐ Normal

☒ Rush ☐ 1 week turnaround

☐ Date Needed

CHAIN OF CUSTODY RECORD

[illegible]

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Lab Name: STL

Contract: _____

MR4-E.WALL

Lab Code: STL Case No.: 1395A

SAS No.: _____

SDG No.: A1395Matrix (soil/water): SOILLab Sample ID: 011395A-01Level (low/med): LOWDate Received: 06/06/01% Solids: 92.2

Concentration 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	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				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	0.036			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				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: _____

Clarity Before: OPAQUE

Texture: _____

Color After: _____

Clarity After: OPAQUE

Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Lab Name: STL

Contract: _____

MR4-S.WALL

Lab Code: STL Case No.: 1395A

SAS No.: _____

SDG No.: A1395Matrix (soil/water): SOILLab Sample ID: 011395A-02Level (low/med): LOWDate Received: 06/06/01% Solids: 87.4

Concentration 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	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				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	0.51			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				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

JBK
10/4/01

Color Before: _____

Clarity Before: OPAQUE

Texture: _____

Color After: _____

Clarity After: OPAQUE

Artifacts: _____

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MR4-N.WALL

1 Name: STL

Contract: _____

Lab Code: STLCase No.: 1395A

SAS No.: _____

SDG No.: A1395Matrix (soil/water): SOILLab Sample ID: 011395A-03Level (low/med): LOWDate Received: 06/06/01% Solids: 91.2

Concentration 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	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				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	0.063			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				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: _____

Clarity Before: OPAQUE

Texture: _____

Color After: _____

Clarity After: OPAQUE

Artifacts: _____

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

NP-E.WALL

Name: STL

Contract: _____

Lab Code: STL Case No.: 1395ASAS No.: _____ SDG No.: A1395Matrix (soil/water): SOILLab Sample ID: 011395A-04Level (low/med): LOWDate Received: 06/06/01% Solids: 91.8

Concentration 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	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				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	0.20			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				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

Color Before: _____

Clarity Before: OPAQUE

Texture: _____

Color After: _____

Clarity After: OPAQUE

Artifacts: _____

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)

State	Responsible Agency	Certification	Lab 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	Chemistry...Non-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	011395A-03	SOIL	06/05/01	06/06/01
NP-E.WALL	011395A-04	SOIL	06/05/01	06/06/01

STL CT ANALYTICAL SUMMARY

Page: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

**SEVERN
TRENT
SERVICES**

July 02, 2001

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

STL Connecticut
128 Long Hill Cross Road
Shelton, CT 06484

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

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:

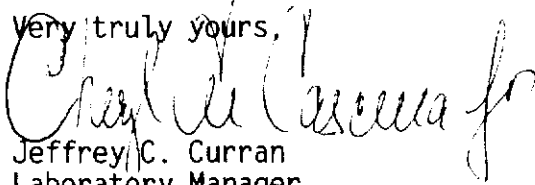
- . sample summary
- . analytical methodology
- . state certifications
- . definition of data qualifiers and terminology
- . analytical results
- . chain-of-custody

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.

Very truly yours,

Jeffrey C. Curran
Laboratory Manager

JCC

This report contains 42 pages.

7001-1684A
GANNETT FLEMING

SEVERN
TRENT
SERVICES

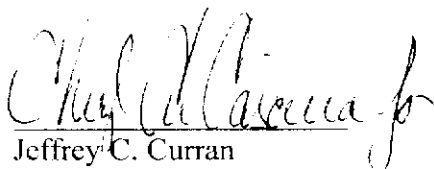
Case Narrative

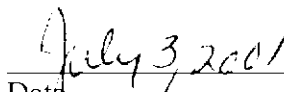
Sample Receipt – All samples were received in good condition and at proper temperature. ^{STL Connecticut}

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


Date

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MR4 S.WALL

Lab Name: STL

Contract: _____

Lab Code: STL Case No.: 1684A

SAS No.: _____

SDG No.: A1684Matrix (soil/water): SOILLab Sample ID: 011684A-01Level (low/med): LOWDate Received: 06/28/01% Solids: 92.8

Concentration 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	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				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				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide				NR

PB
10/4/01

Color Before: _____

Clarity Before: OPAQUE

Texture: _____

Color After: _____

Clarity After: OPAQUE

Artifacts: _____

Comments:



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	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	Chemistry...Non- 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

7001-1684A
GANNETT FLEMING
SAMPLE SUMMARY

0005

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

STL CT ANALYTICAL SUMMARY

Page:1

Client ID: MR4 S.WALL
Job Number: 7001-1684A

Date: 7/3/101

Qty Matrix	Analysis	Description
1 SOIL	HG-NSW846	Mercury



Gannett Fleming

★ 2 Day
Turn Around!!

7001-1684A

CHAIN OF CUSTODY RECORD

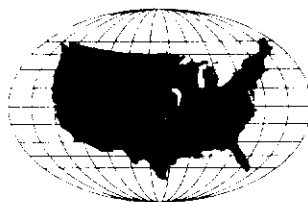
TURNAROUND TIME:

☐ Normal

☒ Rush 2 Day

☐ Date Needed

LABORATORY NAME:		PROJECT NO.		PROJECT NAME:		REMARKS	
STL - Connecticut		38939.001		425 Merwick Ave		Project Contact: Dawn Sharvin	
RESULTS TO: Greg Ernst - Gannett Fleming		INVOICE TO: Greg Ernst		ANALYSIS		REMARKS	
SAMPLE I.D. NO		DATE		TIME		SAMPLE DESCRIPTIONS & OTHER ANALYSES	
MR-4 S. Wall		6/27/01				OI	
No. Containers Comp Grab		SAMPLE LOCATION					
X		MR4-S. Wall					
Received from Laboratory by (Signature)		Date/Time		Agent of:		Laboratory Reference No.	
Printed Name		Agent of:		Date/Time		"PASSED RAD SCREEN" 06°C	
Relinquished by (Signature)		Date/Time		Agent of:		Date/Time	
Printed Name		Agent of:		Date/Time		Agent of:	
Relinquished by (Signature)		Date/Time		Agent of:		Date/Time	
Printed Name		Agent of:		Date/Time		Agent of:	
Received for Laboratory by (Signature)		Date/Time		Agent of:		Instructions:	
Printed Name: Dawn Sharvin		6/27/01 1700		Agent of:		Date/Time: 6/28/01 08:30	
Sampler (Signature): Dawn L. Sharvin		Date/Time: 6/27/01 1700		Agent of:		Date/Time: 6/28/01 08:30	
Printed Name: Dawn L. Sharvin		Date/Time: 6/27/01 1700		Agent of:		Date/Time: 6/28/01 08:30	
Shipped Via: FedEx		Date/Time: 6/27/01 1700		Agent of:		Date/Time: 6/28/01 08:30	
Sample Condition		Date/Time: 6/27/01 1700		Agent of:		Date/Time: 6/28/01 08:30	
Temp. of blank (°C)		Date/Time: 6/27/01 1700		Agent of:		Date/Time: 6/28/01 08:30	
Ship. Cont. OK ?		Date/Time: 6/27/01 1700		Agent of:		Date/Time: 6/28/01 08:30	
Rec'd Refrig ?		Date/Time: 6/27/01 1700		Agent of:		Date/Time: 6/28/01 08:30	
Seals OK ?		Date/Time: 6/27/01 1700		Agent of:		Date/Time: 6/28/01 08:30	
Samples Leaking ?		Date/Time: 6/27/01 1700		Agent of:		Date/Time: 6/28/01 08:30	



HEARTLAND

ENVIRONMENTAL SERVICES, INC.

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 B. Humburg, President

10-17-01.
Date

SDG# A0K220123

Samples and Fractions Reviewed

Sample Identifications

Analytical Fraction

GANNETT FLEMING ID	MATRIX	PCB		MET		Hg		Cd		Cr	
MR-1	SOIL		X				X				
MR-2	SOIL		X				X		X		X
MR-3	SOIL		X		X						
MR-4	SOIL		X				X				X
MR-5	SOIL		X				X				X
MR-6	SOIL		X				X				
MR-7	SOIL		X				X				
Total Billable Samples (Water/Soil)		0	7	0	1	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

* - All criteria were met for this parameter.

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.

GLOSSARY OF DATA QUALIFIERS

QUALIFICATION CODES

U = Not detected

J = Estimated value

UJ = Reported quantitation limit is qualified as estimated

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

<u>SAMPLE ID</u>	<u>COMPOUND ID</u>	<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

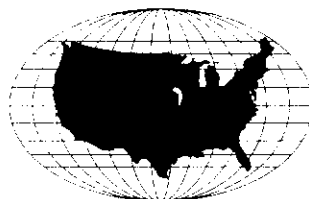
* - All criteria were met for this parameter.

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".

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



HEARTLAND

ENVIRONMENTAL SERVICES, INC.

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:


Paul B. Humburg, President

10-17-01.
Date

SDG# A1012

Samples and Fractions Reviewed

Sample Identifications

Analytical Fraction

GANNETT FLEMING ID	MATRIX	PCB		Hg	
W. WALL#1 (BLDG2)	SOIL				X
BOTTOM (BLDG2)	SOIL				X
MR4-E. WALL	SOIL				X
MR4-N. WALL	SOIL				X
MR4-S. WALL	SOIL				X
MR4-BOTTOM	SOIL				X
NP-S. WALL	SOIL		X		X
NP-E. WALL	SOIL				X
NP-E. WALL MS	SOIL				X
NP-E. WALL MSD	SOIL				X
Total Billable Samples (Water/Soil)		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

* - All criteria were met for this parameter.

System Performance and Overall Assessment

The data did not require qualifications.

GLOSSARY OF DATA QUALIFIERS

QUALIFICATION CODES

U = Not detected

J = Estimated value

UJ = Reported quantitation limit is qualified as estimated

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

<u>SAMPLE ID</u>	<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

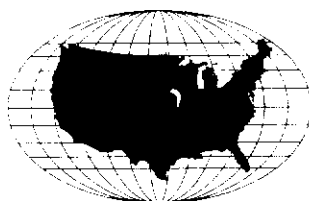
A validation was performed on the Metals Data from SDG A1012. The data was evaluated based on the following parameters.

- * ● 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.			



HEARTLAND

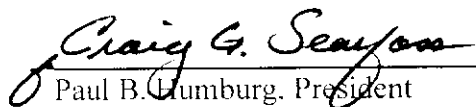
ENVIRONMENTAL SERVICES, INC.

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. Lumburg, President

10-17-01.
Date

SDG# A1269

Samples and Fractions Reviewed

Sample Identifications Analytical Fraction

GANNETT FLEMING ID	MATRIX	Hg	
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
MR4-BOTTOM	SOIL		X
NP-E. WALL	SOIL		X
Total Billable Samples (Water/Soil)		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

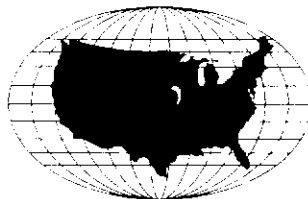
A validation was performed on the Metals Data from SDG A1269. The data was evaluated based on the following parameters.

- * ● 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.			



HEARTLAND

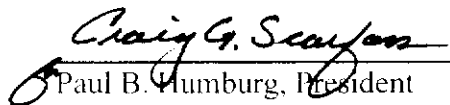
ENVIRONMENTAL SERVICES, INC.

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

10-17-01.
Date

SDG# A1395

Samples and Fractions Reviewed

Sample Identifications Analytical Fraction

GANNETT FLEMING ID	MATRIX	Hg	
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 (Water/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

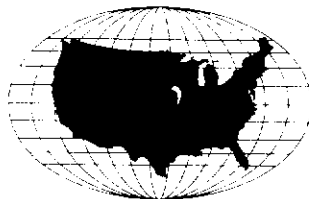
A validation was performed on the Metals Data from SDG A1395. The data was evaluated based on the following parameters.

- * ● 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.			



HEARTLAND

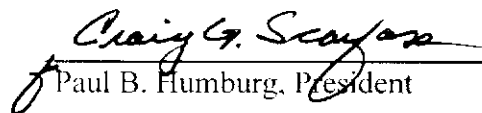
ENVIRONMENTAL SERVICES, INC.

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	Hg	
MR4 S. WALL	SOIL		X
Total Billable Samples (Water/Soil)		0	1

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

APPENDIX B

WASTE DISPOSAL MANIFESTS

WAYNE DISPOSAL, INC
EQ-The Environmental Quality Company
49350 North I-94 Service Drive, Belleville, Michigan 48111

Receipt

BROOKSIDE ENVIRONMENTAL, INC.
2108 GRAND AVE.
BALDWIN, NY 11510

Receipt ID: 1100819
EQ Account #: 2614
Manifest: NH21002
Shipper:
Hauler: HORWITH
Date: 07/27/2001
Time In: 3:23 PM
Time Out: 4:47 PM

Line#	Approval/Service	Generator	Waste Code	Bill Unit	Gross	Tare	Net	Quantity
01	062598WA	NYD013590955	425	MERRICK AVE. PRP GROUP				
		NHCS		TONS	84,480	31,700	52,780	26.390
		Perpetual 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

400000 TK #428

4:08 pm

84480

Brookside Environmental, Inc.

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

Transporter Permit #1A-644
EPA ID #NYR000081661

NON-HAZARDOUS MANIFEST		1. Customer's US EPA ID NO. NYD013590955		Document No.		2. Page 1	
3. Customer's Name and Mailing Address 425 Merrick Avenue PRP Group 425 Merrick Avenue Westbury, NY 11590				A. Document Number 21002			
4. Phone 516-671-8440				B. State ID Same			
5. Transporter 1 Company Name Harwith Trucks, Inc.		6. US EPA ID Number P.A.D.I.4.6.7.1.4.8.7.8.		C. State Transporter's ID NY-PH 263		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 Wayne Disposal, Inc. Site 2 (Ave) 11 49350 N. I-94 Service Dr. Belleville, MI 48111				10. US EPA ID Number MID048.0.9.0.6.3.3.		G. State Facility's ID Same	
				H. Facility's Phone 800-592-5489			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers No. Type		13. Total Quantity	
a. Waste Soil Mixture, N.O.S. Non-DOT / Non-RCRA Regulated				0.0.1 DT X X X 25 T		14. Unit Wt/Vol	
b.							
c.							
d.							
J. Additional Descriptions for Materials Listed Above a.) Soil Containing trace levels of Metals				K. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Approval # 062598 WA XB-47596 Pennsylvania							
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 labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.							
Printed / Typed Name Gregory Ernst as Agent for 425 Merrick Ave PRP Group				Signature 		DATE Month Day Year 07 26 01	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature 		DATE Month Day Year 07 26 01	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		DATE Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in item 19.				Signature 		DATE Month Day Year 07 28 01	

GENERATOR

TRANSPORTER

FACILITY

WAYNE DISPOSAL, INC
EQ-The Environmental Quality Company
49350 North I-94 Service Drive, Belleville, Michigan 48111

Receipt

BROOKSIDE ENVIRONMENTAL, INC.
2108 GRAND AVE.
BALDWIN, NY 11510

Receipt ID: 1100820
EQ Account #: 2614
Manifest: NH21004
Shipper:
Hauler: horwith
Date: 07/27/2001
Time In: 3:31 PM
Time Out: 4:23 PM

Line#	Approval/Service	Generator	Waste Code	Bill Unit	Gross	Tare	Net	Quantity
01	062598WA	NYD013590955	425	MERRICK AVE. PRP GROUP				
		NHCS		TONS	86,520	31,840	54,680	27.340
		Perpetual 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

Brookside Environmental, Inc.

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

Transporter Permit #1A-644
EPA ID #NYR000081661

NON-HAZARDOUS MANIFEST		1. Customer's US EPA ID NO. NYD013590955		Document No.		2. Page 1	
		3. Customer's Name and Mailing Address 425 Merrick Avenue PRP Group 425 Merrick Avenue Westbury, NY 11590		A. Document Number 21004		B. State ID Same	
4. Phone (516) 671-8440		5. Transporter 1 Company Name Horwith Trucks, Inc.		6. US EPA ID Number P.A.D.14.6.71.4.8.78.:		C. State Transporter's ID NY-PA-263	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone 800-220-8807		E. State Transporter's ID	
9. Designated Facility Name and Site Address Wayne Disposal, Inc. Site 2 - Landfill 44350 N. I-94 Service Dr. Belleville, MI 48111		10. US EPA ID Number MID.0.4.8.0.9.0.633.		F. Transporter's Phone		G. State Facility's ID Same	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol	
a. Waste Soil Mixture, N.O.S. Non-DOT / Non-RCRA Regulated		0.0.1 DT XXX 25		T		—	
b.		. . .				. . .	
c.		. . .				. . .	
d.		. . .				. . .	
J. Additional Descriptions for Materials Listed Above a.) Soil Containing trace Levels of Metals				K. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Approval # 062598 WA XG-70656 Pennsylvania							
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 labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.							
Printed / Typed Name Gregory Ernst				Signature 		DATE 07/26/01	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed / Typed Name Jim Nay				Signature 		DATE 07/26/01	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed / Typed Name				Signature		DATE	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in item 19.							
Printed / Typed Name Dieder Prie				Signature 		DATE 07/27/01	

WAYNE DISPOSAL, INC
EQ-The Environmental Quality Company
49350 North I-94 Service Drive, Belleville, Michigan 48111

Receipt

BROOKSIDE ENVIRONMENTAL, INC.
2108 GRAND AVE.
BALDWIN, NY 11510

Receipt ID: 1100821
EQ Account #: 2614
Manifest: NH21005
Shipper:
Hauler: horwith
Date: 07/27/2001
Time In: 3:33 PM
Time Out: 4:27 PM

Line#	Approval/Service	Generator	Waste Code	Bill Unit	Gross	Tare	Net	Quantity
01	062598WA	NYD013590955	425 MERRICK AVE. PRP GROUP					
		NHCS	TONS		90,600	32,140	58,460	29.230
		Perpetual 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

Brookside Environmental, Inc.

556 90,600 4-0/m

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

Transporter Permit #1A-644
EPA ID #NYR000081661

NON-HAZARDOUS MANIFEST		1. Customer's US EPA ID NO. NYD013590955		Document No.		2. Page 1	
3. Customer's Name and Mailing Address 425 Merrick Avenue PRP Group 425 Merrick Avenue Westbury, NY 11590				A. Document Number 21005			
4. Phone (516) 671-8440				B. State ID Same			
5. Transporter 1 Company Name Herwith Trucks, Inc.		6. US EPA ID Number IPAD.14.6.7.14.8.7.8...		C. State Transporter's ID NY-PA 263		D. Transporter's Phone 800-220-8807	
7. Transporter 2 Company Name		8. US EPA ID Number 1.....		E. State Transporter's ID		F. Transporter's Phone	
9. Designated Facility Name and Site Address Wayne Disposal, Inc. Site #2 Landfill 49350 N. I-94 Service Dr. Belleville, MI 48111				10. US EPA ID Number IMID.04.8.0.9.0.6.3.3.		G. State Facility's ID Same	
				H. Facility's Phone 800-592-5489			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers No. Type		13. Total Quantity	
a. Waste Soil Mixture, N.O.S. Non-DOT / Non RCRA Regulated				0.01 DT		XX 25 T	
b.				..		29 T	
c.				..		..	
d.				..		..	
J. Additional Descriptions for Materials Listed Above a.) Soil Containing trace levels of metals				K. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Approval # 062598WA XF-93344 Pennsylvania							
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 labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.							
Printed / Typed Name Gregory Ernst as Agent for 425 Merrick Ave PRP Group				Signature [Signature]		DATE 07/26/01	
17. Transporter 1 Acknowledgement of Receipt of Materials							
Printed / Typed Name Eric McDonald				Signature [Signature]		DATE 07/26/01	
18. Transporter 2 Acknowledgement of Receipt of Materials							
Printed / Typed Name				Signature		DATE ..	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in item 19.							
Printed / Typed Name Kelly Clark / Kenny Clark				Signature [Signature]		DATE 07/26/01	

GENERATOR

TRANSPORTER

FACILITY

WAYNE DISPOSAL, INC
EQ-The Environmental Quality Company
49350 North I-94 Service Drive, Belleville, Michigan 48111

Receipt

BROOKSIDE ENVIRONMENTAL, INC.
2108 GRAND AVE.
BALDWIN, NY 11510

Receipt ID: 1100795
EQ Account #: 2614
Manifest: BOL21007
Shipper:
Hauler: HORWITH
Date: 07/27/2001
Time In: 10:08 AM
Time Out: 10:49 AM

Line#	Approval/Service	Generator	Waste Code	Bill Unit	Gross	Tare	Net	Quantity
01	062598WA	NYD013590955	425 MERRICK AVE. PRP GROUP					
		NHCS	TONS		80,240	32,680	47,560	23.780
		Perpetual 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

Brookside Environmental, Inc.

108 Grand Avenue, Baldwin, New York 11510
(6) 377-6300 • Fax (516) 377-6846

Transporter Permit #1A-644
EPA ID #NYR000081661

NON-HAZARDOUS MANIFEST		1. Customer's US EPA ID NO. NYDO13590955	Document No.	2. Page 1
3. Customer's Name and Mailing Address 425 Merrick Avenue PRP Group 425 Merrick Avenue Westbury, NY 11590			A. Document Number 21007	
4. Phone 516 671-8440			B. State ID Same	
5. Transporter 1 Company Name Herwith Trucks, Inc.			C. State Transporter's ID NY-PA 263	
6. US EPA ID Number PAD.146.7.1.4.8.7.8.			D. Transporter's Phone 800-220-8807	
7. Transporter 2 Company Name			E. State Transporter's ID	
8. US EPA ID Number			F. Transporter's Phone	
9. Designated Facility Name and Site Address Wayne Disposal, Inc. Site #2 Landfill 49350 N. I 94 Service Dr. Belleville, MI 48111			G. State Facility's ID Same	
10. US EPA ID Number MID.0.48.0.9.0.6.3.3.			H. Facility's Phone 800-522-5489	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No. Type	13. Total Quantity	14. Unit Wt/Vol
a. Waste Soil Mixture, N.O.S. Non-DOT / Non-RCRA Regulated		001 DT XX 25	T	—
b.		.	.	.
c.		.	.	.
d.		.	.	.
J. Additional Descriptions for Materials Listed Above a) Soil Containing trace levels of metals		K. Handling Codes for Wastes Listed Above		
15. Special Handling Instructions and Additional Information Approval # 062598 WA TY-80774 PENNSYLVANIA				
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 labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.				
Printed / Typed Name GREGORY ERNST AS AGENT for the 425 MERRICK AVE PRP GROUP		Signature [Signature]		DATE Month Day Year 0.7 2.6 0.1
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature [Signature]		DATE Month Day Year 0.7 2.6 0.1
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		DATE Month Day Year .
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest, except as noted in item 19.				
Printed / Typed Name Die du Price		Signature [Signature]		DATE Month Day Year 0.7 2.6 0.1

WAYNE DISPOSAL, INC
EQ-The Environmental Quality Company
49350 North I-94 Service Drive, Belleville, Michigan 48111

Receipt

BROOKSIDE ENVIRONMENTAL, INC.
2108 GRAND AVE.
BALDWIN, NY 11510

Receipt ID: 1100796
EQ Account #: 2614
Manifest: BOL21008
Shipper:
Hauler: HORWITH
Date: 07/27/2001
Time In: 10:26 AM
Time Out: 11:05 AM

Line#	Approval/Service	Generator	Waste Code	Bill Unit	Gross	Tare	Net	Quantity
01	062598WA	NYD013590955	425 MERRICK AVE. PRP GROUP					
		NHCS	TONS		79,080	31,140	47,940	23.970
		Perpetual 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

NO SALVAGING ON PREMISES

Horwith TK 516 79082
TR 177

Brookside Environmental, Inc.

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

Transporter Permit #1A-644
EPA ID #NYR000081661

NON-HAZARDOUS MANIFEST		1. Customer's US EPA ID No. NYD013590955	Document No.	2. Page 1
3. Customer's Name and Mailing Address 425 Merrick Avenue PRP Group 425 Merrick Avenue Westbury, NY 11590			A. Document Number 21008	
4. Phone (516) 671-8440			B. State ID Same	
5. Transporter 1 Company Name Horwith Trucks, Inc.			C. State Transporter's ID NY-PA 263	
6. US EPA ID Number PAD.146.7.1.4.8.7.8.			D. Transporter's Phone 800-220-8807	
7. Transporter 2 Company Name			E. State Transporter's ID	
8. US EPA ID Number			F. Transporter's Phone	
9. Designated Facility Name and Site Address Wayne Disposal, Inc. s.k. #2 Landfill 49350 N. Lg 4 Service Dr. Belleville, MI 48111			G. State Facility's ID Same	
10. US EPA ID Number MIDD.480.90633.			H. Facility's Phone 800-592-5489	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)			12. Containers No. Type	13. Total Quantity
a. Waste Soil Mixture, N.O.S. Non-DOT / Non-PCRA Regulated			001	DT XXX 25 T
b.			.	.
c.			.	.
d.			.	.
J. Additional Descriptions for Materials Listed Above a.) Soil Containing Trace Levels of Metals			K. Handling Codes for Wastes Listed Above	
15. Special Handling Instructions and Additional Information Approval # 062598 WA XC-76512 Pennsylvania				
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 labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.				
Printed / Typed Name Gregory Ernst as Agent for 425 Merrick Ave PRP Group			Signature [Signature]	DATE Month Day Year 07-26-01
17. Transporter 1 Acknowledgement of Receipt of Materials			Signature Raymond S Bear	DATE Month Day Year 07-26-01
18. Transporter 2 Acknowledgement of Receipt of Materials			Signature	DATE Month Day Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in item 19.				
Printed / Typed Name L. B. Bearson			Signature [Signature]	DATE Month Day Year 07-26-01

WAYNE DISPOSAL, INC
EQ-The Environmental Quality Company
49350 North I-94 Service Drive, Belleville, Michigan 48111

Receipt

BROOKSIDE ENVIRONMENTAL, INC.
2108 GRAND AVE.
BALDWIN, NY 11510

Receipt ID: 1100810
EQ Account #: 2614
Manifest: NH21009
Shipper:
Hauler: HORWITH
Date: 07/27/2001
Time In: 12:53 PM
Time Out: 2:25 PM

Line#	Approval/Service	Generator	Waste Code	Bill Unit	Gross	Tare	Net	Quantity
01	062598WA	NYD013590955	425 MERRICK AVE. PRP GROUP					
		NHCS	TONS		80,820	32,780	48,040	24.020
		Perpetual 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

Brookside Environmental, Inc.

TK522/T-102
80800

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

Transporter Permit #1A-644
EPA ID #NYR000081661

NON-HAZARDOUS MANIFEST		1. Customer's US EPA ID NO. NYD013590955		Document No.		2. Page 1	
3. Customer's Name and Mailing Address 425 Merrick Avenue PRP Group 425 Merrick Avenue Westbury, N.Y. 11590				A. Document Number 21009			
4. Phone (516) 691-8440				B. State ID Same			
5. Transporter 1 Company Name Horwith Trucks, Inc.				C. State Transporter's ID NY-PA 263			
6. US EPA ID Number RAD146.7.1.48.7.8.				D. Transporter's Phone 800-220-8807			
7. Transporter 2 Company Name				E. State Transporter's ID			
8. US EPA ID Number				F. Transporter's Phone			
9. Designated Facility Name and Site Address Wayne Disposal, Inc. Site 1 Landfill 44350 N. I-94 Service Dr. Belleville, MI 48111				G. State Facility's ID Same			
10. US EPA ID Number MID0.4.8.0.9.06.3.3.				H. Facility's Phone 800-592-5489			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers No. Type		13. Total Quantity	
a. Waste Soil Mixture N.O.S. Non-DOT / Non-RCRA Regulated				001 DT xx 25		T	
b.				.		.	
c.				.		.	
d.				.		.	
J. Additional Descriptions for Materials Listed Above a.) Soil Containing Trace Levels of Metals				K. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Approval # 062598 WA TY-14550							
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 labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.							
Printed / Typed Name Gregory Ernst - Agent for 425 Merrick Ave., Westbury, NY				Signature 		DATE 07/26/01	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature Brian Sommers		DATE 07/26/01	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		DATE	
Printed / Typed Name				Signature		DATE	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in item 19.							
Printed / Typed Name Cham Ricks				Signature 		DATE 07/27/01	

GENERATOR

TRANSPORTER

FACILITY

WAYNE DISPOSAL, INC
EQ-The Environmental Quality Company
49350 North I-94 Service Drive, Belleville, Michigan 48111

Receipt

BROOKSIDE ENVIRONMENTAL, INC.
2108 GRAND AVE.
BALDWIN, NY 11510

Receipt ID: 1100809
EQ Account #: 2614
Manifest: NH21003
Shipper:
Hauler: HORWITH
Date: 07/27/2001
Time In: 12:48 PM
Time Out: 2:19 PM

Line#	Approval/Service	Generator	Waste Code	Bill Unit	Gross	Tare	Net	Quantity
01	062598WA	NYD013590955	425	MERRICK AVE. PRP GROUP				
		NHCS	TONS		82,840	32,240	50,600	25.300
		Perpetual 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

WAYNE DISPOSAL, INC
EQ-The Environmental Quality Company
49350 North I-94 Service Drive, Belleville, Michigan 48111

Receipt

BROOKSIDE ENVIRONMENTAL, INC.
2108 GRAND AVE.
BALDWIN, NY 11510

Receipt ID: 1100853
EQ Account #: 2614
Manifest: BOL21006
Shipper:
Hauler: horwith
Date: 07/30/2001
Time In: 1:54 PM
Time Out: 2:58 PM

Line#	Approval/Service	Generator	Waste Code	Bill Unit	Gross	Tare	Net	Quantity
01	062598WA	NYD013590955	425	MERRICK AVE. PRP GROUP				
		NHCS		TONS	79,800	34,020	45,780	22.890
		Perpetual 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

Brookside Environmental, Inc.

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

Transporter Permit #1A-644
EPA ID #NYR000081661

NON-HAZARDOUS MANIFEST		1. Customer's US EPA ID NO. NYDO13590955		Document No.		2. Page 1	
3. Customer's Name and Mailing Address 425 Merrick Avenue PRP Group 425 Merrick Avenue Westbury, NY 11590 4. Phone 516-671-8440						A. Document Number 21006	
5. Transporter 1 Company Name Horwith Trucks, Inc.						B. State ID Same	
6. US EPA ID Number PAD-146.7.1.4.8.7.8.						C. State Transporter's ID NY-PA 263	
7. Transporter 2 Company Name						D. Transporter's Phone 800-220-8807	
8. US EPA ID Number						E. State Transporter's ID	
9. Designated Facility Name and Site Address Wayne Disposal, Inc. 49350 N. I-94 Service Dr. Belleville, MI 48111						F. Transporter's Phone	
10. US EPA ID Number MID-0.4.8.0.9.0.6.3.3.						G. State Facility's ID Same	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						H. Facility's Phone 800-592-5489	
a. Waste Soil Mixture, N.O.S. Non-DOT / Non-RCRA Regulated						12. Containers No. Type	13. Total Quantity
						14. Unit WT/Vol	L. Waste No.
J. Additional Descriptions for Materials Listed Above a.) Soil Containing trace levels of metals						K. Handling Codes for Wastes Listed Above	
15. Special Handling Instructions and Additional Information Approval # 062598 WA Pennsylvania XN-16794							
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 labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.							
Printed / Typed Name Gregory Ernst as Agent for 425 Merrick Ave PRP Group						Signature [Signature] DATE Month Day Year 12-7-01	
17. Transporter 1 Acknowledgement of Receipt of Materials						DATE	
Printed / Typed Name Barker Riddick						Signature [Signature] DATE Month Day Year 07-12-01	
18. Transporter 2 Acknowledgement of Receipt of Materials						DATE	
Printed / Typed Name						Signature [Signature] DATE Month Day Year . . .	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in item 19.							
Printed / Typed Name Kelly Clark / Kenny Cunn						DATE Month Day Year 07-30-01	

WAYNE DISPOSAL, INC
EQ-The Environmental Quality Company
49350 North I-94 Service Drive, Belleville, Michigan 48111

Receipt

BROOKSIDE ENVIRONMENTAL, INC.
2108 GRAND AVE.
BALDWIN, NY 11510

Receipt ID: 1100838
EQ Account #: 2614
Manifest: NH21001
Shipper:
Hauler: HORWITH
Date: 07/30/2001
Time In: 10:37 AM
Time Out: 11:17 AM

Line#	Approval/Service	Generator	Waste Code	Bill Unit	Gross	Tare	Net	Quantity
01	062598WA	NYD013590955	425 MERRICK AVE. PRP GROUP					
		NHCS	TONS		83,240	31,920	51,320	25.660
		Perpetual 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

83240

Brookside Environmental, Inc.

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

Transporter Permit #1A-644
EPA ID #NYR000081661

NON-HAZARDOUS MANIFEST		1. Customer's US EPA ID NO. NYD 013590955		Document No.		2. Page 1	
3. Customer's Name and Mailing Address 425 Merrick Avenue - PRP Group 425 Merrick Avenue 4. Phone 516-691-8440 Westbury, NY 11590				A. Document Number 21001			
5. Transporter 1 Company Name Horwith Trucks Inc.				8. US EPA ID Number P.A.D.1.4.6.7.1.4.8.7.8. .		C. State Transporter's ID NY-PA-263	
7. Transporter 2 Company Name				8. US EPA ID Number		D. Transporter's Phone 800-220-8807	
9. Designated Facility Name and Site Address Wayne Disposal Inc. 49350 N. I-94 Service Dr. Belleville, MI 48111				10. US EPA ID Number M.ID.04.8.0.9.0.633. .		E. State Transporter's ID	
						F. Transporter's Phone	
						G. State Facility's ID Same	
						H. Facility's Phone 800-592-5489	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers No. Type		13. Total Quantity	
a. Waste Soil Mixture N.O.S. Non-DOT / Non-RCRA Regulated				0.01 DT		XX x 25 T	
b.				.		.	
c.				.		.	
d.				.		.	
J. Additional Descriptions for Materials Listed Above a) Soil Containing Trace levels of metals				K. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information Approval # 062598 WA Trailer Plate # TV 34339 PA							
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 labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.							
Printed / Typed Name Gregory Faust AVE PRP Group				Signature 		DATE Month Day Year 0.7.28.01	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature 		DATE Month Day Year 0.7.28.01	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		DATE Month Day Year .	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in item 19.							
Printed / Typed Name Lori Bleser				Signature 		DATE Month Day Year 0.7.30.01	

GENERATOR

TRANSPORTER

FACILITY

WAYNE DISPOSAL, INC
EQ-The Environmental Quality Company
49350 North I-94 Service Drive, Belleville, Michigan 48111

Receipt

BROOKSIDE ENVIRONMENTAL, INC.
2108 GRAND AVE.
BALDWIN, NY 11510

Receipt ID: 1100833
EQ Account #: 2614
Manifest: NH21010
Shipper:
Hauler: horwith
Date: 07/30/2001
Time In: 8:36 AM
Time Out: 10:30 AM

Line#	Approval/Service	Generator	Waste Code	Bill Unit	Gross	Tare	Net	Quantity
01	062598WA	NYD013590955	425	MERRICK AVE. PRP GROUP				
		NHCS		TONS	87,120	31,580	55,540	27.770
		Perpetual 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

Brookside Environmental, Inc.

531

87120

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

Transporter Permit #1A-644
EPA ID #NYR000081661

NON-HAZARDOUS MANIFEST		1. Customer's US EPA ID NO. <i>NYD013590955</i>		Document No.		2. Page 1	
3. Customer's Name and Mailing Address <i>425 Merrick Avenue RD Group 425 Merrick Ave Westbury, NY 11590</i>				A. Document Number <i>21010</i>			
4. Phone <i>(516) 671-8440</i>				B. State ID <i>SAME</i>			
5. Transporter 1 Company Name <i>Horwith Trucks Inc</i>		6. US EPA ID Number <i>P.A.D.1.4.6.7.1.4.8.7.8.</i>		C. State Transporter's ID <i>NY-PA 263</i>		D. Transporter's Phone <i>800 220 8807</i>	
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 <i>Wayne Disposal Inc S. Rt 22 Lane 44350 N. 44 Service Dr Belleville, MI 48111</i>				10. US EPA ID Number <i>MI.D.0.4.8.0.9.0.6.3.3.</i>		G. State Facility's ID <i>Same</i>	
				H. Facility's Phone <i>800-592-5489</i>			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers No. Type		13. Total Quantity	
a. <i>Waste Soil Mixture NO S. Non-DOT / Non-RCRA Regulated</i>				0.01 DT		27.770 XXX.25	
b.				.		.	
c.				.		.	
d.				.		.	
J. Additional Descriptions for Materials Listed Above <i>a. Soil Containing Trace levels of metals</i>				K. Handling Codes for Wastes Listed Above			
15. Special Handling Instructions and Additional Information <i>Approval # 062598WA Trailer Plate # XH47257 PA</i>							
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 labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.							
Printed / Typed Name <i>Gregory ERNST as Agent for 425 Merrick Ave PRP Group</i>				Signature <i>[Signature]</i>		DATE Month Day Year <i>10.7.27.01</i>	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>[Signature]</i>		DATE Month Day Year <i>10.7.27.01</i>	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature <i>[Signature]</i>		DATE Month Day Year <i>10.7.27.01</i>	
19. Discrepancy Indication Space <i>OK to change 13 A per Drew Edgar @ Brookside 7-31-01 M. Leigne</i>							
20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in item 19.				Signature <i>[Signature]</i>		DATE Month Day Year <i>10.7.27.01</i>	

GENERATOR

TRANSPORTER

FACILITY