LIMITED SITE DATA DOCUMENT



TRIMMER ROAD LANDFILL SITE OPERABLE UNIT 01

TOWN OF PARMA
MONROE COUNTY, NEW YORK
(SITE NO. 8-28-012)

WORK ASSIGNMENT NO. D003600-42

Prepared For

New York State Department of Environmental Conservation

JANUARY 2006



DVIRKA AND BARTILUCCI

CONSULTING ENGINEERS

A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.

LIMITED SITE DATA

TRIMMER ROAD LANDFILL SITE

TOWN OF PARMA, MONROE COUNTY, NEW YORK

SITE NO. 8-28-012

These documents that follow are <u>NOT</u> part of the Contract Documents for the remedial work at the Trimmer Road Landfill Site. The Department neither represents that the Site conditions will be the same as in the attached document nor considers the attached documents as being comprehensive and an actual description of the site conditions. The Contractor shall be responsible for performing the remediation work based on the existing conditions at the Site.

LIMITED SITE DATA SUMMARY REPORT

TRIMMER ROAD LANDFILL SITE TOWN OF PARMA MONROE COUNTY, NEW YORK (SITE NO. 8-28-012)

WORK ASSIGNMENT NO. D003600-42

Prepared for:

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Prepared by:

DVIRKA AND BARTILUCCI CONSULTING ENGINEERS SYRACUSE, NEW YORK

JANUARY 2006

LIMITED SITE DATA SUMMARY REPORT TRIMMER ROAD LANDFILL SITE

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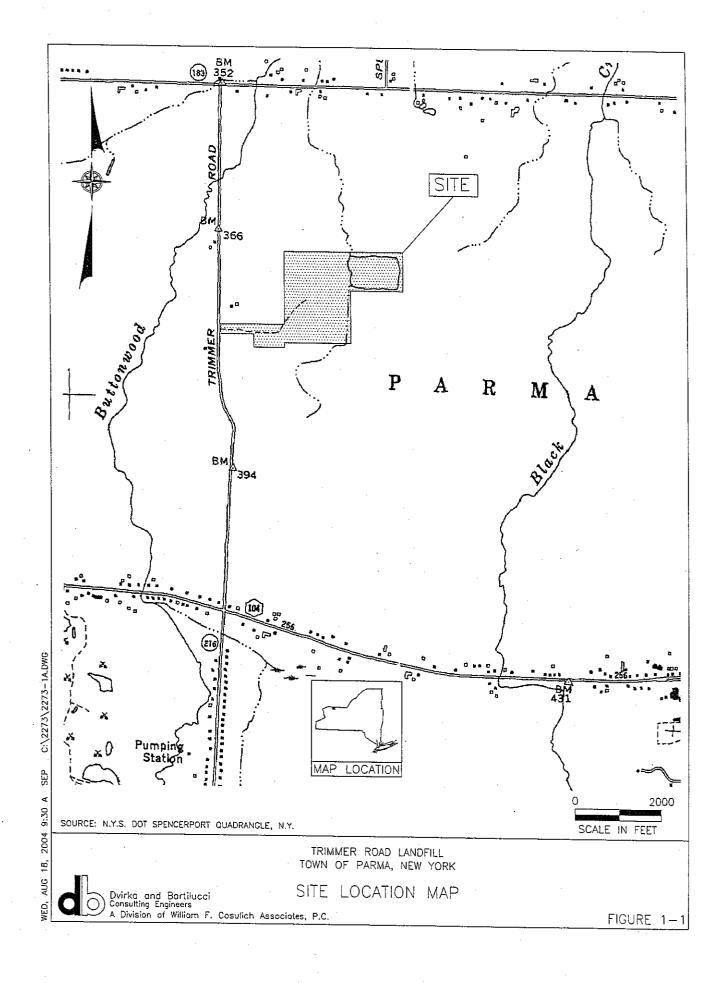
1.0 INTRODUCTION

The Trimmer Road Landfill Site, located in the Town of Parma, Monroe County, New York, is a New York State Class 2 inactive hazardous waste disposal site, registry number 8-28-012. The New York State Department of Environmental Conservation (NYSDEC) issued a Remedial Design (RD) Work Assignment to Dvirka and Bartilucci Consulting Engineers (D&B) under the State Superfund Standby Contract for the Trimmer Road Landfill Site. The RD for this site is being performed with funds allocated under the New York State Superfund Program, as part of New York State's program to investigate and remediate hazardous waste sites. The purpose of this report is to present a summary of the activities and findings of the previous investigations conducted at the site.

1.1 Site Location, Ownership and Access

The Trimmer Road Landfill Site is located in a rural portion of the Town of Parma, Monroe County, New York, approximately two-miles northwest of Parma Corners and 10-miles west northwest of the City of Rochester (see Figure 1-1). The site is on the east side of Trimmer Road about one-mile north of the intersection of Trimmer Road and New York State Route 104. The 60-acre site consists of an unlined landfill occupying 40-acres and includes a 10-acre pond (see Figure 1-2).

The site is surrounded by undeveloped land on all sides, although there are a number of residential properties within a half-mile radius. The on-site pond discharges to a tributary of Buttonwood Creek, which is a Class C stream that drains into Lake Ontario. There are drainage ditches at the perimeter of the site on portions of three sides. The ditches collect leachate seeps and surface runoff, and ultimately drain into the pond.



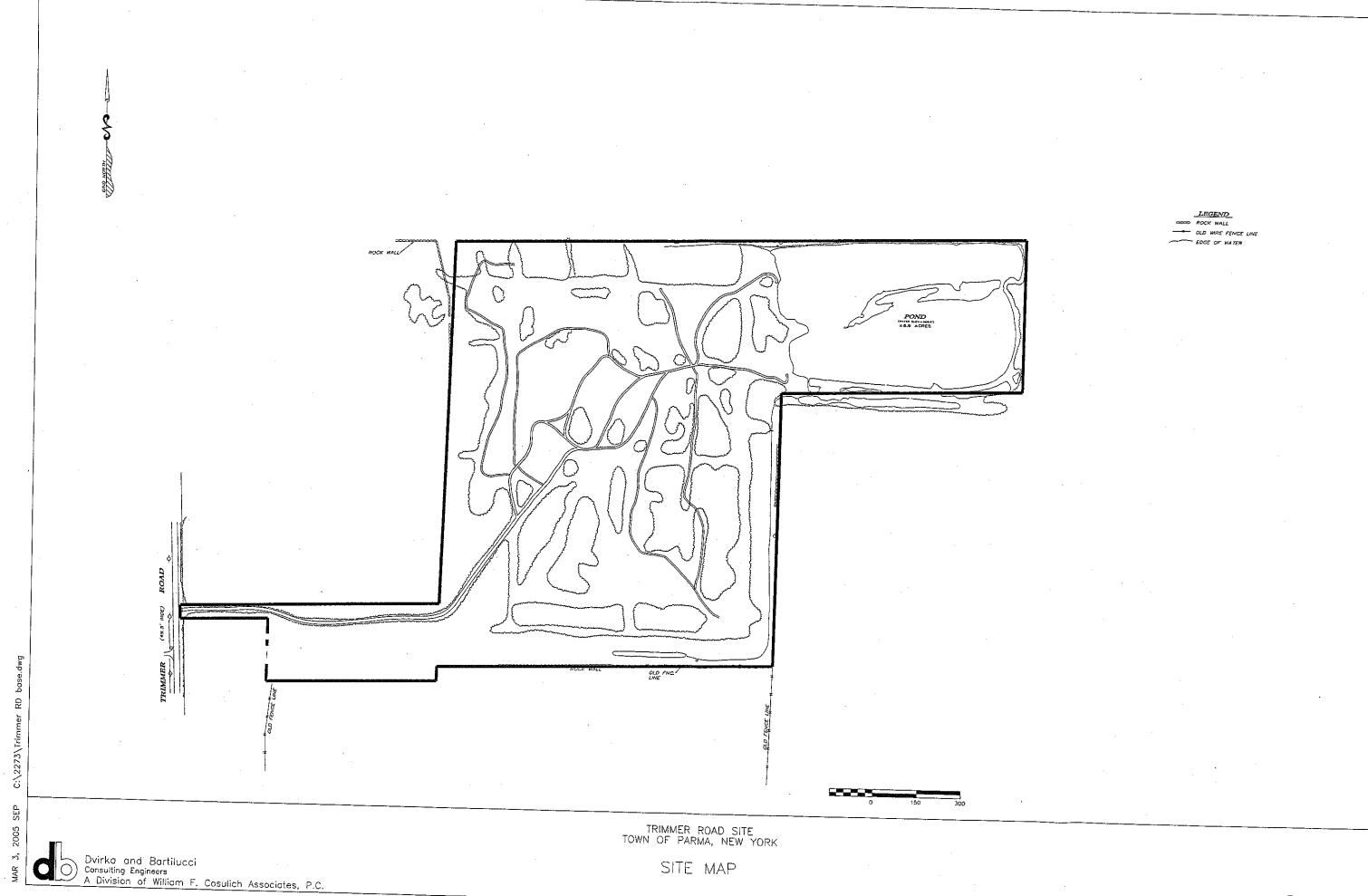


FIGURE 1-2

Mr. Patrick Fasciano, who purchased the property in 1980, currently owns the site. The site is presently unused and is overgrown with emergent trees and scrub growth.

Access to the site is via a quarter-mile long private road with a locked gate adjacent to Trimmer Road. Access can also be gained by walking through forested land and following recreational vehicle trails. The site is not fenced.

1.2 Site History and Previous Investigations

The Trimmer Road Landfill Site was a private disposal facility that accepted municipal waste from surrounding towns and industrial waste from local industries. The landfilling operations took place between 1952 and 1974. Some of the industries are known to have produced hazardous waste. While there is no direct evidence of disposal of hazardous waste at the site, chemical analyses of groundwater samples indicate the presence of volatile organic compounds (VOCs) at concentrations exceeding groundwater standards.

A Phase I investigation conducted in 1983 identified sparse vegetation on the landfilled area, with debris exposed through the cover. A Phase II investigation conducted in 1986 found organic compounds and metals contamination in groundwater, and established a preliminary groundwater flow direction in the overburden to the northwest. Leachate from landfill seeps was noted entering the pond on the northeast portion of the site through the perimeter drainage ditch.

The site was delisted in 1992 due to the relatively low levels of contamination found in the Phase II study. Additional investigations in 1996 revealed the presence of site contamination in groundwater at levels that raised public health concerns due to the existence of downgradient private water supplies. Therefore, the site was re-listed as a Class 2 site in 1997.

A Remedial Investigation (RI) was conducted between October 1999 and January 2001 (D&B 2001). The purpose of the RI was to define the nature and extent of contamination resulting from previous activities at the site. A summary of the activities and findings of the RI are presented in Section 2 of this report.

Based on the results of the RI and Feasibility Study for the Trimmer Road Site and the criteria identified for evaluation of alternatives, NYSDEC selected a remedy to prevent the release of hazardous waste constituents from the site. The selected remedy, as described in the March 2001 Record of Decision (ROD), is an evapotranspiration cap consisting of a cover of enhanced soil planted with selected vegetation designed to intercept infiltrating water along with enhanced evapotranspiration to the atmosphere.

A pre-design investigation was conducted at the Trimmer Road Site to provide site specific information to evaluate the extent of site groundwater contamination and to collect information required for the design of the selected remedial alternative. The Trimmer Road Site pre-design investigation was conducted between November 2004 and February 2005. A summary of the activities and findings of the pre-design investigation are presented in Section 3 of this report.

2.0 SUMMARY OF REMEDIAL INVESTIGATION

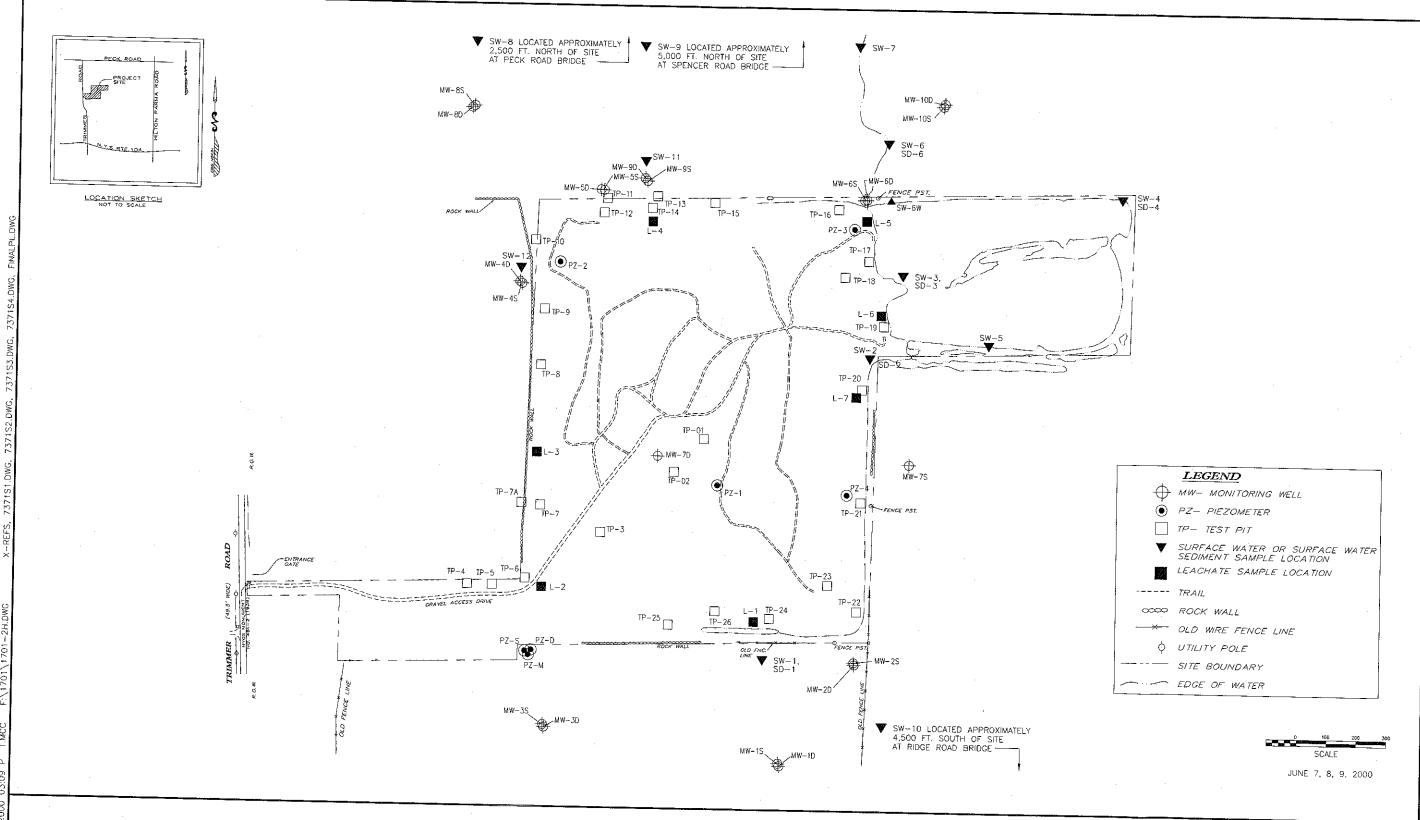
2.1 Summary of Remedial Investigation Activities

The Trimmer Road Site RI was conducted between October 1999 and January 2001 (D&B 2001). The purpose of the RI was to define the nature and extent of contamination resulting from previous activities at the site.

The RI included a base map for the site, which was compiled from aerial photography and an on-site ground control survey. A geophysical survey was conducted to identify any off-site leachate migration and the locations of possible buried drums. A landfill gas survey was completed to evaluate landfill gas generation and identify possible contaminant hot spots. A total of 26 test pits were excavated on and adjacent to the landfill during the RI to determine the areal extent of waste, thickness of soil cover and waste on-site, the presence or absence of waste off-site, and to identify the shallow stratigraphy of the site. The RI also included advancing 17 soil borings and the installation of 17 monitoring wells for analysis of soil and groundwater to determine the nature and extent of contaminants in the subsurface as well as determining physical properties of soil and hydrogeologic conditions. Surface water, sediment and leachate samples were collected to determine levels of contamination in the pond. Figure 2-1 illustrates the sample locations from the RI.

2.2 Summary of Remedial Investigation Findings

The site is located south of Lake Ontario in the plain created by glacial Lake Iroquois. The landfilled portion of the property is a nearly square parcel comprising 40-acres with relief of 10 to 25 feet above the surrounding land surface. In the area surrounding the landfill, the natural soil cover consists of 2 to 7 feet of reddish brown, poorly sorted silt and fine sand. Underlying the reddish brown unit is bedrock, which consists of the Queenston shale formation. Test Pit Logs, Boring Logs and Well Construction Logs are presented in Appendices A, B and C, respectively.



TRIMMER ROAD LANDFILL TOWN OF PARMA, NEW YORK

SAMPLE LOCATIONS

Dvirka and Bartilucci
Consulting Engineers
A Division of William F. Cosulich Associates, P.C.

The geophysical survey was conducted in two phases. The first phase, conducted in October 1999, was a pilot study designed to determine the effectiveness of terrain conductivity in accomplishing the objectives described above. The pilot study revealed that mapping of conductive groundwater plumes was possible, but too much electromagnetic interference was present on-site to successfully locate buried drums. The full scale geophysical survey was conducted in November 1999, and was focused on off-site areas north and west of the landfill thought to be in the likely direction of contaminant flow. Four zones of apparently elevated conductivity were identified by the survey. Two of these zones on the north side of the landfill and the other zones were located on the west and northwest sides of the landfill. No significant zones of apparent elevated conductivity were identified along the south or southwest sides of the site. The survey did not include the east side of landfill due to the presence of the pond and because the southeast side is upgradient. The geophysical report and associated mapping are presented in Appendix D.

The landfill gas survey was conducted in order to evaluate the presence of methane and volatile organic gases in the landfill. Soil gas sampling was performed by advancing a hollow stainless steel soil probe 1 foot to 2 feet below ground surface using a slam bar and withdrawing air from the soil pore-space using a battery operated personal hygiene pump or screening instrument pump. The soil gas was screened with a photoionization detector (PID) and flame ionization detector (FID). PID and FID readings were obtained from 48 locations on the site grid network at 200 foot intervals. One soil gas sampling point exhibited an elevated FID concentration greater than 50 ppm which triggered additional sampling points. Four additional sampling points were added to the program spaced at 100-foot intervals to the north, east, south and west of the elevated reading. Each of the additional sampling locations exhibited FID measurements below 50 ppm.

Table 2-1 lists the monitoring well depths and specifications that were utilized during the RI. Groundwater beneath and adjacent to the landfill has been measured at an average depth of 3.5-feet below the ground surface in the wells screened at the base of the overburden. Groundwater has been measured at an average depth of 5-feet below the ground surface in wells screened in the bedrock. In general, groundwater flow rates are relatively slow based on slug test

REMEDIAL INVESTIGATION/FEASIBILITY STUDY TRIMMER ROAD LANDFILL TABLE 2-1

MONITORING WELL AND PIEZOMETER SPECIFICATIONS

105d Depti Or refusal Top Bottom Length Surface Bedron 32.0 35.0 17.0 32.0 15.0 384.90 381.40 32.0 35. 10.0 15.0 384.90 381.4 41.0 4.5 10.0 15.0 384.82 381.4 24.0 4.5 12.0 2.0 10.0 387.5 382.74 24.0 4.5 12.0 22.0 10.0 387.5 383.0 32.5 3.0 4.0 14.0 10.0 387.5 382.71 379.71 33.0 2.5 18.0 33.0 15.0 382.71 379.13 42.0 4.0 14.0 10.0 382.71 379.18 42.0 4.0 11.0 10.0 369.5 369.18 42.5 2.0 12.0 14.0 369.5 369.28 41.0 11.0 14.0 10.0 369.5 369.28 42.5	Domino III *		Depth to Rock		Screen			Ele	vation (feet ab	Elevation (feet above mean sea level)	
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7-2D 410 4.5 26.0 410 50.0 534.52 381.34 361.34 361.34 7-2S*** 24.0 4.5 12.0 22.0 10.0 387.24 380.74 361.34 7-3D 32.5 12.0 22.0 10.0 387.24 380.71 378.11 -3S 14.5 30 17.5 32.5 15.0 387.11 379.11 365.21 -4D 33.0 17.5 32.5 15.0 387.14 378.61 378.61 -4D 33.0 12.0 12.0 12.0 371.68 369.18 353.68 -4D 42.0 12.0 12.0 12.0 371.67 369.18 353.68 -5D 42.0 12.0 12.0 16.0 371.67 369.18 353.68 -5D 42.0 12.0 16.0 369.48 369.18 358.28 368.28 -6D 42.0 12.0 16.0 375.54 373.54	W-IS	15.5	3.5	10.0	15.0	6	204 00	201.10	201.70	300.40	352.90
1-28** 24.0 4.5 25.0 41.0 15.0 387.24 382.74 361.24 -3D 32.5 3.0 4.0 41.0 10.0 387.56 383.06 375.56 -3S 14.5 3.0 4.0 14.0 10.0 382.71 379.61 365.11 -4D 33.0 2.5 18.0 33.0 15.0 371.68 369.18 353.68 -4S 12.5 2.5 2.0 12.0 17.0 371.67 369.17 369.67 -5S*** 2.5 2.0 12.0 17.0 371.67 369.17 369.67 -6D 42.0 10.0 371.67 369.17 369.67 369.67 -6D 42.5 2.0 12.0 10.0 371.63 365.45 343.45 -6D 42.5 2.0 12.0 10.0 369.58 365.88 358.88 -6D 42.5 2.0 12.0 10.0 371.38 369.18<	W-2D	41.0	4.5	20.00	41.0	0.0	364.62	381.52	374.82	372.32	369.82
1.3D 3.2.5 1.2.0 387.56 383.06 375.56 1.3S 1.4.5 3.0 1.7.5 32.5 15.0 38.71 379.71 36.521 1.4D 33.0 4.0 14.0 16.0 382.71 379.61 375.6 -4D 33.0 2.5 18.0 14.0 10.0 382.61 379.61 378.61 -5D 4.0 12.5 2.0 12.0 10.0 371.67 369.17 378.61 -5S** 25.0 4.0 10.0 371.67 369.17 373.48 -5S** 25.0 4.0 11.0 21.0 10.0 369.58 365.88 358.88 -5S** 25.0 4.0 11.0 21.0 369.58 365.88 358.88 -6S** 25.0 27.5 42.5 15.0 371.28 369.35 343.45 -6S** 14.5 2.0 14.0 10.0 371.28 369.35 343.45	W- 2S **	24.0	2.7	0.02	41.0	0.01	387.24	382.74	361.24	353.74	346.24
-3.5 1/.5 32.5 15.0 382.71 365.21 -4.D 3.0 4.0 14.0 10.0 382.61 379.61 376.1 -4.D 3.0 14.5 14.0 10.0 371.68 379.61 378.61 -4.S 12.5 2.5 2.0 12.0 17.0 371.68 369.17 369.73 -5.S*** 25.0 4.0 10.0 21.0 10.0 371.67 369.17 369.67 -6.D 42.0 4.0 11.0 21.0 10.0 371.67 369.17 369.67 -6.S** 25.0 4.0 11.0 21.0 369.48 365.45 343.45 -6.S** 25.0 4.0 12.0 10.0 369.58 365.45 343.45 -6.S** 25.0 4.0 14.0 10.0 369.58 365.88 358.28 -7.S 14.5 2.0 4.0 14.0 10.0 369.59 367.69 368.41 </td <td>N-3D</td> <td>37.5</td> <td>2.0</td> <td>0.21</td> <td>0.77</td> <td>10.0</td> <td>387.56</td> <td>383.06</td> <td>375.56</td> <td>370.56</td> <td>365.56</td>	N-3D	37.5	2.0	0.21	0.77	10.0	387.56	383.06	375.56	370.56	365.56
-4D 31.0 32.0 4.0 14.0 10.0 382.61 379.61 378.61 -4SD 2.5 18.0 33.0 15.0 371.68 369.18 353.68 -5D 42.0 4.0 26.0 42.0 10.0 371.67 369.17 369.67 -5D 42.0 26.0 42.0 10.0 369.45 365.45 343.45 -6D 42.0 11.0 21.0 10.0 369.45 365.45 343.45 -6D 42.5 2.0 27.5 42.5 15.0 369.83 358.58 -6D 42.5 10.0 369.48 365.35 343.45 -6D 42.5 10.0 371.35 369.35 343.85 -6S ** 25.6 2.0 11.0 11.0 371.28 358.28 -7S 14.5 2.0 4.0 14.0 10.0 371.28 358.28 -8S 14.5 2.0 4.0 14.0	V-3S	14.5	3.0	C./I	32.5	15.0	382.71	379.71	365.21	357.71	350.21
-4S 12.5 2 18.0 35.0 15.0 371.68 369.18 353.68 -5D 4.0 2.5 12.0 10.0 371.67 369.17 369.67 -5D 42.0 4.0 10.0 12.0 16.0 369.45 369.17 369.67 -6D 42.0 4.0 11.0 21.0 10.0 369.45 365.45 343.45 -6D 42.5 2.0 4.0 11.0 21.0 10.0 369.45 365.45 343.45 -6S ** 2.5 2.0 27.5 42.5 15.0 371.35 369.35 343.85 -6D 42.5 2.0 10.0 371.35 369.28 358.28 -7S 14.5 2.0 41.0 15.0 371.34 371.54 -8D 35.0 4.5 20.0 35.0 15.0 365.41 360.91 345.41 -8S 14.5 2.0 24.5 14.0 10.0	V-4D	33.0	2,0	0.4	14.0	10.0	382.61	379.61	378.61	373.61	368.61
-5D 42.0 4.0 42.0 4	V- 4S	12.5	2.7	79.0	55.0	15.0	371.68	369.18	353.68	346.18	338.68
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-6D 42.5 2.0 21.0 42.5 15.0 369.58 358.58 358.58 -6S *** 25.6 2.0 27.5 42.5 15.0 371.35 369.35 343.85 -7D 41.0 13.0 23.0 10.0 371.28 369.28 358.28 -7S 14.0 13.0 23.0 10.0 371.28 369.28 358.28 -7S 14.5 2.0 4.0 14.0 10.0 375.54 371.44 -8D 35.0 4.5 4.0 14.0 10.0 375.44 371.54 -8S 14.5 2.0 4.0 14.0 10.0 365.40 360.91 345.41 -9D 39.5 15.0 365.40 360.80 361.30 361.30 -9S 14.5 2.0 4.0 14.0 10.0 369.95 367.69 365.95 -10D 32.5 15.0 368.74 361.77 364.77 -10S <td>V- 5S **</td> <td>25.0</td> <td>0.4</td> <td>11.0</td> <td>0.74</td> <td>16.0</td> <td>369.45</td> <td>365.45</td> <td>343.45</td> <td>335.45</td> <td>327.45</td>	V- 5S **	25.0	0.4	11.0	0.74	16.0	369.45	365.45	343.45	335.45	327.45
-6S *** 25.6 2.0 27.2 42.5 15.0 371.35 369.35 343.85 -7D 41.0 na 26.0 41.0 15.0 371.28 369.28 358.28 -7S 14.0 na 26.0 41.0 15.0 371.24 na 361.44 -8D 35.0 4.5 20.0 35.0 15.0 375.4 373.54 371.54 -8D 35.0 4.5 20.0 35.0 15.0 365.41 360.91 345.41 -8S 14.5 2.0 4.0 14.0 10.0 375.54 371.54 -9D 39.5 15.0 365.95 367.69 367.95 365.95 -9S 14.5 2.0 14.0 10.0 369.95 367.95 365.95 -10S 15.5 7.0 14.0 10.0 369.95 367.95 364.77 -10S 15.0 na 30.0 14.0 10.0 368.77	V-6D	42.5	2.0	0.11	0.12	10.0	369.58	365.58	358.58	353.58	348.58
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-7S 14.5 2.0 41.0 15.0 387.44 na 361.44 -8D 35.0 4.5 2.0 4.0 14.0 10.0 375.54 373.54 371.54 -8S 14.5 2.0 35.0 15.0 365.41 360.91 345.41 -8S 14.5 4.5 4.0 14.0 10.0 365.30 360.80 361.30 -9D 39.5 2.0 24.5 39.5 15.0 365.69 367.69 361.30 -9S 14.5 2.0 14.0 10.0 369.69 367.69 345.19 -9S 14.5 17.5 32.5 15.0 369.95 367.95 365.95 -10D 32.5 15.0 368.74 361.74 351.24 -10S 15.5 7.0 4.0 14.0 10.0 382.55 na 379.55 -10S 15.0 na 3.0 380.9 376.44 na 376.49	/- 7D	41.0	0.77	13.0	23.0	10.0	371.28	369.28	358.28	353.28	348.28
8D 35.0 4.5 14.0 10.0 375.54 373.54 371.54 -8S 14.5 4.5 20.0 35.0 15.0 365.41 360.91 345.41 -9D 39.5 14.0 14.0 10.0 365.30 360.80 361.30 -9D 39.5 2.0 24.5 39.5 15.0 369.69 367.69 345.19 -9S 14.5 2.0 4.0 14.0 10.0 369.95 367.69 345.19 -10D 32.5 15.0 369.95 367.95 365.95 -10S 15.5 7.0 17.5 32.5 15.0 368.74 361.74 351.24 -10S 15.5 18.0 368.77 361.77 364.77 364.77 -15.0 18.0 14.0 5.0 381.69 10 372.69 -15.0 18.0 36.0 376.44 10 376.49 10	S1	14.5	2.0	70.07	41.0	15.0	387.44	na	361.44	353.94	346.44
8S 14.5 4.5 4.0 15.0 35.4 15.0 365.41 360.91 345.41 9D 39.5 14.5 4.0 14.0 10.0 365.30 360.80 361.30 9S 14.5 2.0 24.5 39.5 15.0 369.69 367.69 345.19 10D 32.5 7.0 14.0 10.0 369.95 367.69 345.19 10D 32.5 7.0 17.5 32.5 15.0 369.95 367.95 365.95 10S 15.5 16.0 368.74 361.74 351.24 364.77 10S 16.0 368.77 361.77 364.77 364.77 15.0 na 9.0 14.0 5.0 381.69 na 372.69 9.0 na 9.0 14.0 5.0 376.44 na 373.44 12.0 na 6.5 11.5 5.0 382.99 na 376.49	/- 8D	35.0	2.5	2.5	0.47	10.0	375.54	373.54	371.54	366.54	361.54
9D 39.5 4.0 14.0 10.0 365.30 360.80 361.30 9D 39.5 2.0 24.5 39.5 15.0 369.69 367.69 361.30 10D 32.5 7.0 4.0 14.0 10.0 369.95 367.95 365.95 10D 32.5 7.0 17.5 32.5 15.0 368.74 361.74 351.24 10S 15.5 na 13.0 23.0 10.0 368.77 364.77 364.77 15.0 na 9.0 14.0 5.0 381.69 na 372.69 9.0 na 9.0 14.0 5.0 381.69 na 373.44 12.0 na 6.5 11.5 5.0 382.99 na 376.49	- 88	14.5	C. T	70.07	35.0	15.0	365.41	360.91	345.41	337.91	330.41
-9S 14.5 2.0 24.2 39.5 15.0 369.69 367.69 345.19 -10D 32.5 7.0 4.0 14.0 10.0 369.95 367.95 365.95 -10S 15.5 7.0 4.0 14.0 10.0 368.74 361.74 351.24 -10S 15.5 na 13.0 23.0 10.0 368.77 361.77 364.77 15.0 na 9.0 14.0 5.0 381.69 na 379.55 9.0 na 9.0 14.0 5.0 381.69 na 373.44 12.0 na 6.5 11.5 5.0 382.99 na 376.49	- 9D	39.5		0.4	14.0	10.0	365.30	360.80	361.30	356.30	351.30
10D 32.5 7.0 17.5 32.5 15.0 368.74 367.95 365.95 10S 15.5 7.0 17.5 32.5 15.0 368.74 361.74 351.24 10S 15.5 na 13.0 23.0 10.0 368.77 361.77 364.77 15.0 na 13.0 23.0 10.0 392.55 na 379.55 15.0 na 9.0 14.0 5.0 381.69 na 372.69 9.0 na 3.0 8.0 5.0 376.44 na 373.44 12.0 na 6.5 11.5 5.0 382.99 na 376.49	S6 -	14.5		C.47	39.5	15.0	369.69	367.69	345.19	337.69	330.19
10S 15.5 7.0 4.0 14.0 10.0 368.74 361.74 351.24 23.2 na 13.0 23.0 10.0 368.77 361.77 364.77 15.0 na 13.0 23.0 10.0 392.55 na 379.55 9.0 na 9.0 14.0 5.0 381.69 na 372.69 9.0 na 3.0 8.0 5.0 376.44 na 373.44 12.0 na 6.5 11.5 5.0 382.99 na 376.49	-10D	32.5		17.5	14.0	10.0	369.95	367.95	365.95	360.95	355.95
23.2 na 13.0 23.0 10.0 368.77 361.77 364.77 15.0 na 15.0 na 9.0 14.0 5.0 381.69 na 372.69 12.0 na 6.5 11.5 5.0 382.99 na 376.49	-10S	15.5		C./1	57.5	15.0	368.74	361.74	351.24	343.74	336.24
15.0 na 15.0 16.0 392.55 na 379.55 9.0 na 9.0 14.0 5.0 381.69 na 372.69 9.0 na 3.0 8.0 5.0 376.44 na 373.44 12.0 na 6.5 11.5 5.0 382.99 na 376.49		23.2		0.4	0.41	10.0	368.77	361.77	364.77	359.77	354.77
9.0 na 3.0 8.0 5.0 381.69 na 372.69 12.0 na 6.5 11.5 5.0 382.99 na 376.49		15.0		0.61	0.57	10.0	392.55	ma	379.55	374.55	369.55
12.0 na 6.5 11.5 5.0 382.99 na 376.49	3	9.0	na	3.0	0.4.0	0.0	381.69	na	372.69	370.19	367.69
376.49 na 376.49		12.0	na	5.5	11.5	0.0	3/0.44	na	373.44	370.94	368.44
			444	5.5	61.3	3.0	382.99	па	376.49	373.99	371.49

ne - Not encountered

na - Not applicable

* For deep wells (signified by the suffix 'D'), the numbers listed for the screen top and and bottom refer to the unscreened open hole interval.

** Screened intervals for these wells were interpreted from the construction diagrams included in the Phase II Investigation Report, Engineering-Science, September, 1986.

data and the flow direction is toward the northwest, in both overburden and bedrock. Groundwater elevation data is presented in Appendix E.

The media of concern for the site are groundwater, leachate, and waste/subsurface soil. The area of highest VOC contamination in groundwater is located beneath the northwest corner of the landfill where the MW-4 cluster is located. Shallow well samples exhibited vinyl chloride at 140 ppb and 1,2-DCE at 300 ppb along with other VOCs above groundwater standards. The other area where VOCs exceeded standards is located directly north of the landfill where the MW-5 and MW-9 clusters are located. The other shallow wells and all the deeper wells did not exhibit any VOC contamination including the off-site wells located northwest (MW-8) and northeast (MW-10). Inorganics such as manganese and arsenic were detected above the standards.

Leachate was observed on the northern and eastern slopes of the landfill. Leachate samples from several locations contained VOCs, semivolatile organic compounds (SVOCs), and metals above standards, criteria, and guidance (SCG) values. Chemical analyses of one subsurface soil sample collected from a test pit did not show any exceedance for any SCG. Nonetheless, the waste is the only source for the contaminants detected in groundwater and leachate. As indicated by the landfill gas survey, there were no exceedances of the SCG of 5% of the lower explosive limit for methane at any of the sampling points.

Tabulated results for all analyses are presented in Appendix F.

3.0 SUMMARY OF PRE-DESIGN INVESTIGATION

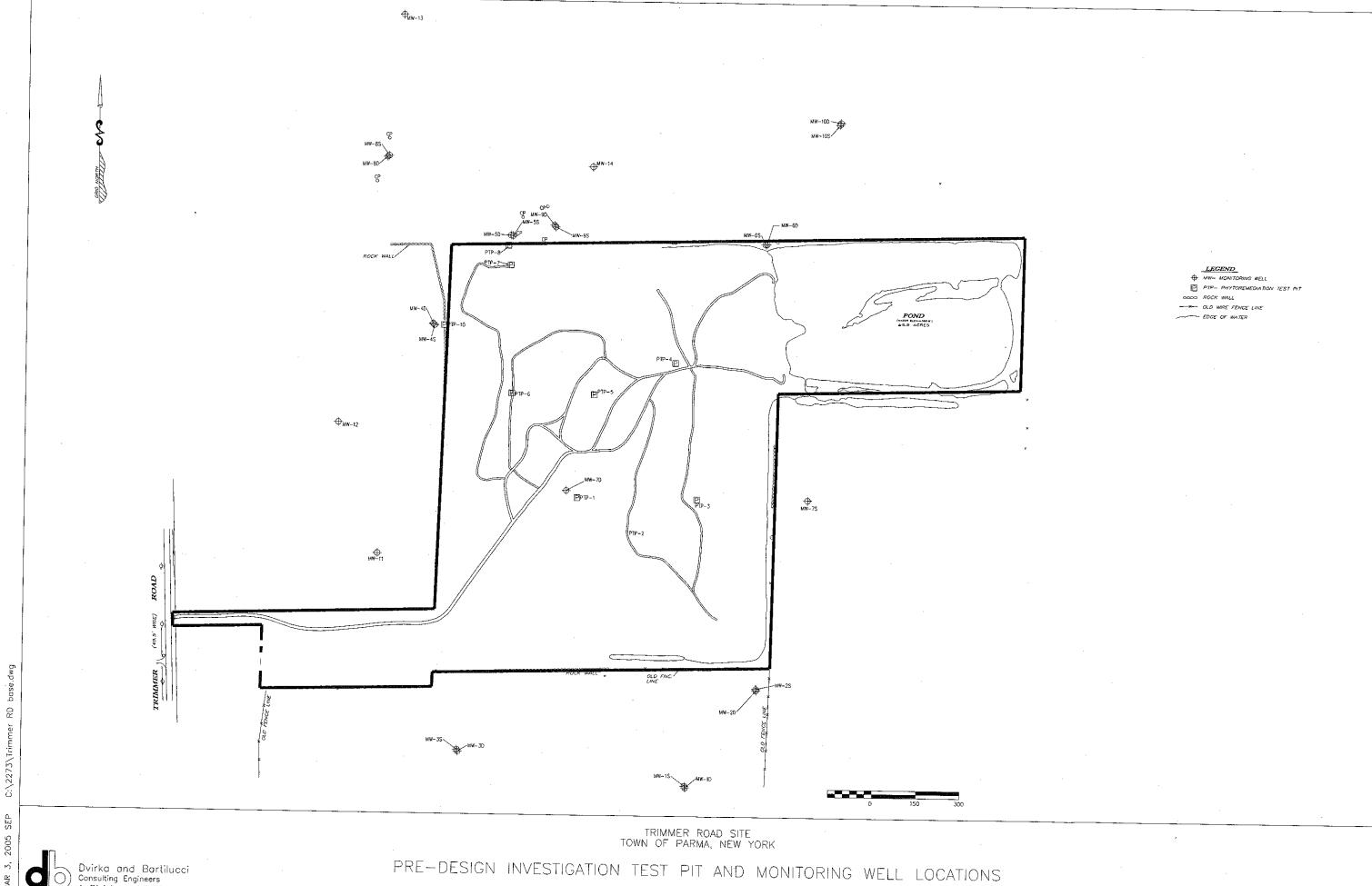
3.1 Summary of Pre-Design Investigation Activities

The purpose of the pre-design investigation was to provide site specific information to evaluate the extent of site groundwater contamination and to collect information required for the design of the selected remedial alternative. The Trimmer Road Site pre-design investigation was conducted between November 2004 and February 2005.

Eight test pits were excavated on and adjacent to the landfill to determine the thickness of soil cover and to identify the shallow soil stratigraphy in the area of the proposed alternative cover test plots. Four new monitoring wells were installed to compliment the 20 existing monitoring wells constructed during previous investigations at the site. Ten groundwater samples were collected from six existing monitoring wells and four new monitoring wells during the during the pre-design investigation. Samples for chemical analysis were collected from wells MW-4S MW-5S, MW-6S, MW-7S, MW-8S, MW-9S, MW-11, MW-12, MW-13 and MW-14 as part of the pre-design investigation groundwater sampling event. Figure 3-1 illustrates the sample locations from the pre-design investigation.

3.2 Summary of Pre-Design Investigation Findings

Based on the results of the Trimmer Road Landfill Site pre-design investigation, the following conclusions were established.



Dvirka and Bartilucci Consulting Engineers A Division of William F. Cosulich Associates, P.C.

Geology/Hydrogeology:

• Soil (Test Pit Logs and Boring Logs are presented in Appendices A and B, respectively) encountered in the study area can be described as follows:

On-Site	e Geology
Depth	Description
Ground surface to two feet below ground	Red silt cover material
Bottom of overburden to 25 feet below ground	Waste and fill material
Bottom of waste and fill material	Queenstone Shale - bedrock beneath landfill site

Off-	Site Geology
Depth	Description
Ground surface to two to seven feet	Reddish brown, poorly sorted silt and fine sand
Bottom of overlying unit	Queenstone Shale - bedrock beneath landfill site

- Table 3-1 lists the monitoring well depths and specifications that were utilized during the pre-design investigation. Groundwater (Well Construction Logs are presented in Appendix C) beneath and adjacent to the landfill is found at an average depth of 3.5 feet below the ground surface in wells screened at the base of the overburden. Groundwater is found at an average depth of 5 feet below the ground surface in wells screened in the bedrock. Groundwater elevation data is presented in Appendix E.
- Groundwater flow at the site is relatively slow based on slug test data and toward the
 northwest in both the shallow and deep zones. The vertical component of groundwater flow
 is small and generally downward; however, an upward gradient was observed in four well
 clusters during the investigation activities.

SUMMARY OF WELL CONSTRUCTION DETAILS TRIMMER ROAD LANDFILL SITE PRE-DESIGN INVESTIGATION **TABLE 3-1**

		Well		Total			Screen**		Elevation	Elevation (feet above mean sea level)*	e mean sea	level)*	LOCATION*	LION*
Well	Date	Diameter Well	Well	Depth	Screened	Top	Bottom	Length	Casing	Ground	Scr	Screen	Northing	Easting
9	Installed	Installed (inches) Material (feet)	Material	(feet)	Formation	(feet bgs)	(feet bgs) (feet bgs)	(feet)	Top	Surface	Тор	Top Bottom	(feet)	(feet)
MW-11	MW-11 12/22/04	2	PVC	15.5	PVC 15.5 Overburden/Bedrock	2.3	12.3	10.0	379.84	376.63	374.38	364.38	364.38 1179122.67 1351692.21	1351692.21
MW-12	WW-12 12/22/04	2	PVC	15.7	15.7 Overburden/Bedrock		13.4	10.0	376.82	374.51	371.16	361.16	371.16 361.16 1179569.52 1351552.22	1351552.22
MW-13	MW-13 12/21/04	2	PVC	17.5	17.5 Overburden/Bedrock		14.8	10.0	366.36	363.64	358.89	348.89	348.89 1180966.23 1351766.44	1351766.44
MW-14	MW-14 12/22/04	2	PVC	16.9	16.9 Overburden/Bedrock 4.4	4.4	14.4	10.0	369.85	367.38	362.96	352.96	362.96 352.96 1180455.07 1352421.35	1352421.35

Notes:

* - Data from survey completed by Om Popli, Inc. in 2005 (NAD 83/92, NAVD 88)

** - Screen top and bottom based on field measurements

PVC - Poly Vinyl Chloride

bgs - below ground surface

Groundwater Quality:

- Groundwater samples were collected from six existing monitoring wells (MW-4S, MW-5S, MW-6S, MW-7S, MW-8S and MW-9S) located outside the estimated extent of waste material. The following VOCs were detected in excess of SCGs in at least one groundwater sample: benzene, chlorobenzene, chloroethane, 1,4-dichlorobenzene, 1,1-dichloroethane, cis-1,2-dichloroethene, 1,1,1-thrichloroethane and vinyl chloride.
- Four shallow monitoring wells (MW-11, MW-12, MW-13 and MW-14) were installed to further delineate the nature and extent of groundwater contamination at the site. The following VOCs were detected in groundwater samples collected from monitoring well MW-13 located to the north of MW-8S and MW-8D: 1,1-dichloroethane, cis-1,2-dichloroethene and vinyl chloride. No VOCs were detected in excess of SCGs in MW-11, MW-12 and MW-14.
- The groundwater VOC contaminants identified during the pre-design investigation as exceeding SCGs are consistent with the site contaminants of concern specified in the ROD. Consistent with the results of the RI, the area of highest VOC groundwater contamination is located beneath the northwest corner of the landfill and continues off-site to the northwest. Monitoring wells MW-4S, MW-5S and MW-9S exhibited the greatest total VOC concentrations during the pre-design investigation. These wells are located downgradient from the northwest portion of the landfill in the direction of groundwater flow emanating from the landfill.
- In general, VOC concentrations observed during the pre-design investigation were found to be similar to those reported in the February 2001 RI Report.
- Groundwater samples were collected from ten monitoring wells (MW-4S, MW-5S, MW-6S, MW-7S, MW-8S, MW-9S, MW-11, MW-12, MW-13 and MW-14) located outside the estimated extent of waste material. Elevated levels of dissolved metals were detected in each of the monitoring wells except MW-7S. SCGs were exceeded in at least one of the samples collected for the following dissolved metals: antimony, barium, iron, magnesium, manganese, sodium and thallium.

- Groundwater inorganic contaminants identified during the pre-design investigation are generally consistent with the site contaminants of concern specified in the ROD. Consistent with the results of the RI, the area of highest metals groundwater contamination is located beneath the northwest corner of the landfill and continues off-site to the northwest.
- In general, dissolved metal concentrations were found to be lower during the pre-design investigation than reported in the February 2001 RI Report.
- The results of the pre-design investigation do not indicate any specific limitations to the technologies identified in the ROD for remediation of the groundwater contamination encountered. However, elevated levels of 1,1-dichloroethane, cis-1,2-dichloroethene and vinyl chloride were identified in MW-13 located north of MW-8S and MW-8D.

Tabulated results for all analyses are presented in Appendix F.

APPENDIX A TEST PIT LOGS

Contractor:	٥ س		Dvirka and Bartilucci Test Pit Log	Pit No.PrP/
Operator:	Jim		- A C 1E	Sheet 1 of
Inspector:	JM/56)	Project Name: Trimmen Road LF	Pit Location:
Equip Type:			Project #: 2273	
Rubben Tin		Loe 1	X 7COB	
roundwater Ob	servations		Start: <u> </u>	Plot Plan
Vater level	NOTER	30 NTERES	Finish: 1225	
ime	1215		Weather: wereast and	(see location map)
Date	3.5		<u>~ % 0 €</u>	
Depth of pit				
uscs	Sample	Donth	Description	Comments
Classification	PiD	Depth		
Ch	6.0	1	0-0.5 By SIT Clay MIXTURE Slightly moist/EAMH W	/ // _
, • • •			Sughtly moist/canth	Jud mei ?/
	0.0	2	0.5-1 Trasit + soil mixture	<u> </u>
CL+Fill	0.0	3	A.TILL 101 27 121 16	Ţ .
			MOTTIES / PLASTIC / GIASS	
	····	4	2000 ROOT STAULTURE	
i		5	~ 2.5 INTO Ground	,
		<u> </u>	SUNFACE	
		6	/	
		7	MIXTURE 80%0 TrasH/moist	
		† <u>-</u>	1 10ASH/MOISI	<u> </u>
Fill		ε	1-2.5 MOSTILY TRASET	İ
' ' ' '				
1				/
		10	BOTTLES / MASTIC/ CLASSI	MOIST
		4.		1
			Test AIT 3' cong by 2' will	•
		1:	e by 2.5' deep. No anounder	Test .
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		1	5	
		1	6	·
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			19	
			20	
	-		<u></u>	•
Stratigraphic §	Summary:			
1				

				
Contractor:			` `	Pit Nol TP-
Operator:			. 6	Sheet 1 of
Inspector:			Project Name: Trimmer Road LF	Pit Location:
Equip Type:	TX 760	5 <u>6</u>	Project Name: Talmach Ros QLF Project #: 2273	·
	····			
roundwater Ob	1		Start: 1230	Plot Plan
ater level	NOTEN	ماندنى	¥	
ime			Weather:	(see location map)
ate	2 0		mid 50's	1
epth of pit	ス,の Sample			<u> </u>
Classification	No.	Depth	Description	Comments
	P10		D IN O CLAY + SIT MIXTURE	
1.ch	0.0		Br/Red Clay + SIT MIXTURE Lean 10-20%	K5013 12 1013
1	0.0	ا و	Angular Boulders	
}				
	·	3	1-2' TrasHLTINE, CANS-TIN	
		4	Some wood wine) Walay + SIT mixtore moist	
	· · · · · · · · · · · · · · · · · · ·		Walay + SIT mixTore	-
		5		
		6	Test Pit, 3'in Length 2" Deep no Groenduster Encountered	
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			need fair General water	
		7	par contens	
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		1!	<u>91</u>	
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Ctrotiarophia C	LINOMO M. P.			
Stratigraphic S	иншагу:			

Contractor: Operator: Inspector: Equip Type:	7m 7m 7x766	1B	Project #: 2273	Pit No PTP Sheet 1 of/ Pit Location:
Groundwater Ob				Plot Plan
Water level	N/A		Finish: 125%	
Time	1247		Weather: overcost mid 50 s	(see location map)
Date Depth of pit	11/57			
USCS	Sample			
Classification	No.	Depth	Description	Comments
	0.0	1	O-16" Ba/Red-SIT+dlay	2011 Dec 15
ا ا	0.0	2	MIXTURE Slightly motst	ROOT System
	-		_ ·	
		3	16" 24" PLASTIC/BOTTLES/	
		4	Trudaus Some	
1			Soil (Same AS ABUTE)
		5	95% TARSH/MOIST	-
		6	/3/2 (// 5 / / / 5 / /	
1	-	7	end pit at 2' No Groundus	ten
		8	TEST PIT 3' LONG X D'widex	
		9	2' deep	
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Stratigraphic Su	mmary:			
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Contractor: Operator: Inspector: Equip Type:	Jim Jm	P ₂	Project Name: Trimmer Row LF Project #: 2273	Pit NoPTP Sheet 1 of Pit Location:
Groundwater Ob Water level Time Date Depth of pit	1304 1304 11/17		Start: <u>1304</u> Finish: <u>1314</u> Weather: <u>6ventast</u> 505	Plot Plan (see location map)
USCS Classification	Sample No.	Depth	Description	Comments
C L	6.0 0.0 0.0	1 2 3	Ba/AD SIT+ Clay MIXTURE Stight Ribboning 1-3' 10-20% Angular/mass Boulders/SoFT/mass Some motteling AT	Clay of Root System 2 1818 Likely UN Apoliable
		5 6 7	NeTal / pay	
		9	Sets Tighten wy depth very STIFF/Ony	. *
		11		
		13	j .	
		15	1	
		17		
	B	19		
		21	0	
Stratigraphic Su	mmary:			

Contractor: Operator: Inspector: Equip Type:	J.M TM TX76		Project Name: Trimmer Rea DLF Project #: 2273	Pit No TP- 5 Sheet 1 of 1 Pit Location:
Groundwater Ob Water level Time Date Depth of pit	M/A 1325 11/17 つご		Start: /335 Finish: /335 Weather: Overcast, 505	Plot Plan (see location map)
USCS Classification	Sample No.	Depth	Description	Comments
C L	0.0	1 2 3	0-1' Rd/Br Cl+SIT MIXTURE Some RIBBOULDY medium SOFT 10-20% Angelian Boulders / Morst	ROOT SYSTEN
		4 5 6	1'-2' Household waste (CARPETING/PLASTIC) Glass) MOTST	
		7	No Groudwater encourtered	-
		9		
		11 12		
		13 14		
		15 16		·
		17		
		19		
Stratigraphic Sur	nmary:			
				· · · · · · · · · · · · · · · · · · ·

Contractor: Operator: Inspector:	Pu		Dvirka and Bartilucci Test Pit Log	Pit NoPTP- 6 Sheet 1 of /
Equip Type:	TX 76	0 B	Project Name: Trimmer Road Project #: 2273	Pit Location:
Groundwater Ob	T		Start:	Plot Plan
Water level	N/Δ		Finish: 13 50	
Time	1339		Weather: Ovencast	(see location map)
Date Depth of pit	3'		mid 505	
USCS	Sample			
Classification	No.	Depth	Description	Comments
CL	019	-1	0-4" Red/Bn SIT+Clay	
1		1	MINTURE / LENY SOFT/MOST	Dest Nepth
		2		Rest Webst
	0	3	4"- 6" Green/Gray \$17+	
			clay/most	
		4	6"-3' Red/Bn SiT+Clay	
	4.6	5	weden STIFF	
			Elizani.	
ļ (6		
	4.6	7	3 upste consisting	
		8	3' waste consisting of Plastic/ Plaint any	
		9	TAREN/SUMNYEJ/MA	s T
		10	3'LX 2'LX 3'D	
			No Grown astex	
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Stratigraphic Sur	mmary:	<u></u>	1	
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Contractor: Operator:	<u>51~</u>		Dvirka and Bartilucci Test Pit Log	Pit NoOTP
Inspector: Equip Type:	ಶ್ಯ	7	Project Name: Trimmer Road Project #: 2273	Pit Location:
Groundwater Obs Water level Time Date Depth of pit	3' 1400 11/17 7		Start: 1400 Finish: 1415 Weather: OUCACAST M.S 505	Plot Plan (see location map)
USCS Classification	Sample No.	Depth	Description	Comments
CL	0.0	1 2	0-0.5° ReD/Bn very SOFT Clay of 10-20 Any Boulders	Morst
	0.0	3	5-10" Black/Brown very SOFT Clay	moist
	0,0	5	10"-3" Red/on medium STIFF Clay	moist
		6 7	3-3.5 waste consisting OF Plastic/wood/ Paper	SMTULATE Q
		8 9		
		10	· -	
	, 	11		
		13		!
		14	<u> </u>	
		15		Ì
	Lucia	17		
	<u> </u>	18	1	
		20	1	
Stratigraphic Sun	nmary:			

Contractor: De			Dvirka and Bartilucci Test Pit Log	Pit NoPTP\$
Operator: Jim				Sheet 1 of
Inspector:			Project Name: Trimmen Road	Pit Location:
Equip Type:	TX 760	> />	Project #: 2273	
Groundwater Ob	servatione		Clark 2:17	
Water level	30,4110113	·	Start: 147-6	Plot Plan
Time	1420		Finish: 1433	
Date	11/17		Weather: overcast mid	(see location map)
Depth of pit	172/		<u> 56 S</u>	·
USCS	Sample			
Classification	No.	Depth	Description	Comments
CL	P10 0.0	1	0-1 Black/Brown organic	Tree ROOTS
			Soil SITHELAY	70 2410
	0.0	. 2		
	0.0	3	MIXTURE FAT	
		4	1-3' orange/Brown mottolle)
		5	SIT+ dlay MIXTURE	1
		- 6	medium STIFF/	1
		7	Meist /	
			Groundunter Seepage AT	``
		8	of the side of Test	
		9		
	-	10	P:T	
		11	TEST PIT J'WX3'LX3'D	
		12	· · ·	
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Stratigraphic Sur	nmary:	<u> </u>		
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Operator: Inspector:	Presenticed H BYLA Pulmer (2.6248 Lobus Track Excus		Project Name: Trimm 12 LF Project #: // O	Pit No. TP Sheet 1 of _i Pit Location:
Groundwater Ob	servations		Start: 12/24 19 12:35	Plot Plan
Water level Time	<u> </u>		Finish: 12/10/95 12:45	(see location map)
Date			Weather: overlast, was form se	(see location map)
Depth of pit			U-10 MAD	
USCS Classification	Sample No.	Donth	Description	
Olassincation	NO.	Depth	Description grass & SI H cover - red brown	Comments
		1		
-		2	Refuse	
		3	Plastic orgs, med a model	
		4	plastic bugs, med surveys was d, stamped sheet metal picces	
		5	-water (eaf)	
		6		-garboge sodor
		7		
		8	newspaper dale Nov 1973	
		9	Λ	
		10	nesse	
		11	Refuse	
		12		
		13		·
			ESSAN, O. C.	
		14		
		15	, or other section of the section of	
		16	LINE CANADA	
		17	man woods	
		18		
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		20	The second secon	
Chunchian - L. C				
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			12" ranked boulder, filt	
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			Eliza	

Contractor:	Pervadita	åØ	Dvirka and Bartilucci Test Pit Log	Pit No. TP-TP-2	
Operator:	WAY BALMEN.			Sheet 1 of	
Inspector:			Project Name: Trimmed & LF.	Pit Location:	
Equip Type:	KNOWLD		Project #: /7/)	Euf MW-70	
Groundwater Obs	servations		Start: 12/20/99 13:55	Plot Plan	
Water level		.,	Finish: 12/2855 14:35	A CONTRACTOR OF THE PARTY OF TH	
Time			Weather: Warel was fullen fun	(see-location-map)	
Date Depth of pit			soil sels with 4ther	109m2	
USCS	Sample				
Classification	No.	Depth	Description	Comments	
		4	durit Azin Cours	u	
		1	6/5"		
		2	wask		
	:	2	word, pper, corpely		
		3	01. 4.		
		4	Plaste pags		
		5	·		
		6		CMC gas receipts	
		7	- water fred . II the	In 1968	
٠.	•	8	- water seep - black/gray water lunking in	Lynn 1968 - Hanover accoming printals	
		- 0	Cooking is	printati	
}		9			
		10			
		11		- gerbege odor	
		. 12			
		13		- Water leaving,	
		10		in from wells of	
		14		excerning	
		15		- Water leaking in from wells of excavation Court around Surface	
			•	Surface	
		16		- ·	
		17			
		18	sill cover layer		
		1	- .		
		19			
		20	- 10 1		
·			1		
Stratigraphic Sum	marv	21	red sisteme (Suntistane - moist - garbage		
January III Out	iirica y.		I fight on took - no expansit weller	<u>)</u>	
			P.		
			The state of the s		
	 	·	by them of pix 210'		

Contractor: Pw			Dvirka and Bartilucci Test Pit Log	Pit No. TP-3
Operator: B. Palmer			•	Sheet 1 of 1
Inspector: 6.640/			Project Name: Trimmer Rd Lit	Pit Location:
Equip Type:	Kobeleo	Track	Project#: 70\	in low area
	mountale			necroccess (d.
Groundwater Ob	servations	5	Start: 14:50 /2/20/99	Plot Plan N
Water level	L		Finish: /2/20/99 15:45	
Time			Weather: Overcast, would over moth	
Date			5,5 W 4501	(see location map)
Depth of pit			3/000/	1 19.1
USCS	Sample			
Classification	No.	Depth	Description	Comments
	,		grass Estil cover	- John Committee
		1	desident ander desident of Respondent of September 1880 September	
		9	worter bricks, wood-	
		3	cut tree logs, times	
			·,	
		. 4	Grann	
		5	bram plastic bys	
* :-		6		- no newspapers
		7	Trans.	
•	•			
		8	Genessee Beer can with	- water driffing
	_		pull tob (detroked)	
		9	, , ,	in from well
	İ	10		ofgorbage
		11		
	-	12	•	·
		- 12	•	
		13		
		14	The state of the s	
	İ	15	3) Historie/Sandstone and sitt below	
•			weathery	,
•		16	bottom of excerning 14'	
		17		
•				•
_		18	•	

		19		
	•	20		
•				•
Cimalia de C				
Stratigraphic Sumi	nary:			

TOTAL TOTAL SECTION

Operator: B. Falmer Inspector: G. G. A. A. Equip Type: Kabaka Tracketta			Dvirka and Bartilucci Test Pit Log Project Name: Trimmer Ld LF	Pit No. TP- 4 Sheet 1 of 1 Pit Location:
			Project #: 170	N ofocers ld.
Groundwater Obs	servations		Start: 17/2/09 7:45	Plot Plan
Water level			Finish: 17/14/64 15:50	(see location map)
Time Date			Weather: A clare 250 g	(see location map)
Depth of pit			1070	Constitution of the Consti
USCS	Sample			
Classification	No.	Depth	Description	Comments
		1	musse bring - red of the	
			tre grand & colle	
		2	ું	- no woter in bottom after 8
		3		rotomatter 8
			grannock frozmut	from s often
		4	discourse in a serious	
		5	Account of the second of the s	2 Cect - not
			weatherd sults tenan	- small seep of 3 feet - not enough to reach bottom of hak
		6	~ · ·	Bottomothole
		7		1
		8		PLUTOS 4, 5, 6,7,81
				9 54 1140
		9	Control of the Contro	Leather's file
·		10	Ned 11177 Ac 9.0"	
				
		11		
		12	·	
		12		
		13		·
		14	·	
		15		
	·····	16		
		17		
		10		
		18		
		19		
		20		
		1	1	
Stratigraphic Sum	man!	<u> </u>		
Suangrapine Suff	ннагу.			
L				

Contractor: Operator: Inspector:	B. Palma G. God	1 d	Dvirka and Bartilucci Test Pit Log Project Name: Trimma LA LE	Pit No. TP Sheet 1 of Pit Location:
Equip Type:	Koperco.	TV24 lb	Project#: 1761	N atomess rook
Groundwater Obs	servations	<u> </u>	Start: 127199 8:15	Plot Plan
Water level			Finish: 12/21/59 15:70	Plot Plan
Time			Weather: N. Llovely & File	(seedocation map)
Date				
Depth of pit				The same of the sa
USCS Classification	Sample No.	Depth	Description	Comments
		. 1	moist brown 50 let	
		2	MOSS DILLE SILVE COGONIC	water seems
		3	weatherd my silt-stone	
		4		- 01/4 sheen
		5		on water
		6		- Staffered with
		7		
·		8		- or where wiste of surface - no waste at depth
		9	Control to the second s	
		10	They in It have pegalor & o'	- Sumple of soil
		. 11		collected at
		12		
		13		water sample
		14		block loperat
		15		
		16		- 18" of where
		17		in bottom of fit
		18		ore from black
		19		12/64
		20		Mades 22.23,24
Stratigraphic Sum	mary:			1,2,3 of Lell 2

Contractor: PW Operator: Grad Calmed			Dvirka and Bartilucci Test Pit Log	Pit No. TP-
Inspector: Equip Type:			Project Name: Trimma La LI. Project #: 1707	Pit Location: W was le limst at
Groundwater Ob	servations	i	Start: 12/21/99 8:40	Plot Plan
Water level Time			Weather: Number 25%	(see location map)
Date Depth of pit				
USCS Classification	Sample No.	Depth	Description	Comments
		1		Scattered makes
		2	morsh brown roll & som a	- Scattered metal debuts at surface NO 5 colors - no water
		3		-No gentinge
		4		- no water
		5 6	and the state of t	photo: 22,23,24
		7	must red weatherd solltake	2,-
		8		- New Crone
		9		terntable
		10		
		12	red 5: It stone 11.0°	and the second s
,		13	Parties of land	
		14		
[15 16	·	
		17		
		18		
		19		
		20	·	
Stratigraphic Sum	ımary:			

Contractor: PW			Dvirka and Bartilucci Test Pit Log	Pit No. TP
	B. Palmer			Sheet 1 of
	6. Beild		Project Name: Trimmy Rd LF.	Pit Location:
Equip Type: Losses Truck Ex.		Truck Ex.	Project #: 1761	near west-side
Groundwater Obs	sorvations		Charles In last Co. Din	
Water level	Servations	· · · · · · · · · · · · · · · · · · ·	Start: 12/1/99 9:30 Finish: 12/1/99 14:35	Plot Plan
Time		<u>-</u> .	Weather: Michany 2505	-
Date			reduced feel feel feel	(see location map)
Depth of pit				
USCS	Sample			
Classification	No.	Depth	Description	Comments
		1	grass of silt cover	
		2	4	photos 19,20,21
		3	- Malancia.] '
		4	usernesses.	THAT , AN
		4	The second secon	Photos 19,20,21
		5	the s	
		6	leother, orpa	projectly line
		Ü	(Cr(ter	The state of the s
		7	\mathcal{N}	TP-7A - no waste 12 for soil over 22 red silt - weather
		8		
				12 tof soil over
		9	waste	24 red sillydame
		10	We.	bed for
		. 11		American Control of the Control of t
		ł I :		71-7 -
		12		, ,
		13		
		14	**Control of the Control of the Cont	
		15		
				14:00 Med
		16		water miller
		17		JOH W COM
		18		water filled up of pit siace this money
		. 10		the many
		19		
		20		
		20	bother of burn on red	we .
Strotions-1:- O			Soltstake	
Stratigraphic Sum	imary:			

Contractor: Operator:			Dvirka and Bartilucci Test Pit Log	Pit No. TP-
Inspector:			Project Name: Trimmer L/ LF	Sheet 1 of Pit Location:
Equip Type:			Project #: 1701	wend of line 6
	· · · · · · · · · · · · · · · · · · ·			
Groundwater Ob	servations		Start: 12115 11:30	Plot Plan
Water level			Finish: 12/199 14:00	1708 AN
Time		· · · · · · · · · · · · · · · · · · ·	Weather: p. sand 250 F	(see location map)
Date Depth of pit				
USCS	Sample			les de la constant de
Classification	No.	Depth	Description	Comments
		1	muilt brown silt	no waste at stone
		2	tred weathers silt theme	twell
			hay meeting entrines	· Some walke
		3		Physical desirements
		4		Photo \$16-18
		5	red siltstone 4.0' bottomospit 40'	had be a see , o
· :		6	Bocharcas b	
		7		
		8		
		9		
		10		
·		11		
		12	·	
		13		
		14		
		15		
		16		
		17		
		18		
		19		
		20		
Stratigraphic Sun	nmary:		1	

Contractor: Operator: Inspector: Equip Type:	B. Palma G. Gad	P	Project Name: Transmit A LT Project #: 1701	Pit No. TP- 9 Sheet 1 of 1 Pit Location: Went of Lineff
Groundwater Obs	servations		Start: 12/2/199 12:00	Plot Plan
Water level			Finish: 17/21/59 13:07	
Time			Weather: of the 1, 250 =	TA9 A N
Date				
Depth of pit				
USCS	Sample	_		
Classification	No.	Depth	Description	Comments
		<u>1</u> 2	Most parm est	
		3	morth black stl	- Natural grams
		4	weste knew, cons	swiface slapes
		5	Was repers	- natural grand sourface slapes days as maning a way from exe of leadfil
		6		auty from exe
		7)	St. Markey
		8	•	of property law year
		10	5 Hoters bedrik 9.01	
		11		Photo 10, 11
		12		- appears as though
		13		landformers executed before hilling and was te
		14		wife will
	 	15		
		16		
		17		
		18		
		19		
	Waster State Chiefer Commencer Commencer Commencer Commencer Commencer Commencer Commencer Commencer Commencer	20		
Stratigraphic Sum	mary:			

Inspector: Equip Type:	tor: PW or: B. Polmer or: G. Geel A pe: Kobelea Thek EKE.		Project Name: Project #:		Pit No. TP-//O Sheet 1 of / Pit Location: Wend of Line I
Groundwater Obs Water level Time Date Depth of pit			Finish: / Weather: _	2/21/99 12:45 2/21/99 13:35 11 Clovery 25° E	Plot Plan (see location map) A Court of the court of th
USCS Classification	Sample No.	Depth	edge of words	Description E	Comments
Classification	No.	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Moist silt. Weathered red Soltstone red siltstone buttoned hist y.e.	red sellstone bothomod pro 7.01	- water leaking at gentlement for - bottom of pot filled with water after 45 minutes open - 51:34 oily Sheem
Stratigraphic Sun	nmary:				

Contractor: Operator: Inspector: Equip Type: Groundwater Obs Water level Time Date		•	Project Name: Trimmer RALF Project #: 1701 Start: 1212 99 8:00 Finish: 1212 99 8:17 Weather: M. CLVM, W.W. fm.W. 5-10 10° 1	Pit No. TP-TP-11 Sheet 1 of Pit Location: NW corner of LF off site Plot Plan = TP-11 (see location map)
Depth of pit USCS	Sample			
Classification	No.	Depth	Description	Comments
		1 2 3	moit brown from Lean poils	-7.5 Water Seep Photos 12-113
		4		photos Rull 3
		5	red weathered Sillsburg	1,2,3
		6		
·		7		no waste
		8	bottomet pit. 7.01	
		9		
	****	10		
		11		
		12]	
		13	1	
		15	-	
	<u></u>	16		
		17		
		18		
		15		
		2		
Stratigraphic Sur	nmary:			

Contractor: Pulmer			Dvirka and Bartilucci Test Pit Log	Pit No. TP
Inspector:			Project Name: Trimmer (L. L.F. Project #: 17 el	Pit Location: Suf Nedge of LF Lucat cover
Groundwater Obs	servations		Start: 12/22/55 8:18	Plot Plan
Water level			Finish: 12/2=/59 8:55	70.17
Time			Weather: O. Cl. Cold Levie	(see location map)
Date				
Depth of pit USCS	Sample			
Classification	No.	Depth	Description	Comments
		1	bkok-gray Waste	
		2	waste	
		3	wet	
		4	better.	in from sides at several gallows per minute - fastes A
·		5) bother,	in from sides
		6	ولا	at several gallons
		7	es y made de la martina de la	influe afall plas
		9	The second secon	St Am t
		10	The States	Photos 4.8.6 ed
		11	business a a kinner in the se	Pa113
		12	An An An An An An An An An An An An An A	-grand is sportly
		13		of para
		14		of bern of bern of bern
		15		
		16	,	
		17		
		18		
		20	1	
Stratigraphic Sun	nmary:	<u> </u>	1	
	•			

Contractor: Operator: Inspector: Equip Type:	G.Covid Kebeko	9 909	Project Name: Trimmand Project #: 1701	Pit No. TP-13 Sheet 1 of / Pit Location: Not Lift - in cat tails
Groundwater Obs	servations		Start: 12199 8:38	Plot Plan, TP-13
Water level			Finish: 12/22/99 8:48	V.Jay.com
Time			Weather: <u>0.cl. CAA 20°15</u>	(see location map)
Date				
Depth of pit USCS	Cample			
Classification	Sample No.	Depth	Description	Comments
		4	mort brown a black crossic matter	
		T	The state of the s	
		2	all the state of the same of the same	-1.5' Small water
		2		2001
		. 4		Photos 6113
		5	red weathered sitting	Photos 12113
		c		1, 4
		6		
		7		
		8	bottom of excavalum 7.0	
		9		
		10		
,		11		
		12		
		13		
	-			
		14		
		15		
		16		
		17		
		18		
		19		
		20		
]	
Stratigraphic Sun	nmary:			. L

Contractor: Operator: Inspector: Equip Type: Groundwater Obs	B. Pain C. Coul Kibeleo	909	Project Name: Trimmer Rab Life Project #: 1701	Pit No. TP!-
Water level	servations		Start: 12/72/55 8:49 Finish: 12/72/55 9:00	Plot Plan
Time			Weather: P. Sunny 226 F	(see location map)
Date Depth of pit				
USCS	Sample			[
Classification	No.	Depth	Description	Comments
		1	muist brown 11th cover unaterial	
		2	N	Water seems from
		3	waste fires the - Wentheren 51 Hetma	under seens form 1.00 the disagram whether no photos
		4	de la companya della companya della companya de la companya della	en stre
			Weathered 51 Historia	1
		5		no photos
	:	6		
		7		The state of the s
		8	buttern of pit 7.0'	·
		9		
		10		
		11		
		12		
		13		
		14		
		15		
		16		·
		17		
		18		
		19		
		20		
		20		
Stratigraphic Sum	nmary:	<u> </u>		

2 ...

Contractor: Operator: Inspector:	B. Palm. G. G.J	el	Dvirka and Bartilucci Test Pit Log Project Name: Trimme (L) LF	Pit No. TP/5 Sheet 1 of _/ Pit Location:
Equip Type:	Equip Type: Kabalar 909		Project #: _ / 70	to death is m
Groundwater Ob	servation	\$	Start: /2/72/57 9:05	Plot Plan
Water level	ļ		Finish: 12/22/99 9:20	TRIT A
Date			Weather: Sunny told 22th	(See Socation map)
Depth of pit				Name and
USCS Classification	Sample No.	Depth	Description	Comments
·		1	mosta brown sold	no water
		2	mitter red intrinegreen 20	nowaste
		. 4	weathered sillstone	9,10,11
,	-	5	sillime well interped	bucket sersping with
		6	buttern exemption 5.0°	·
-		8	· :	
·		9		
		10 11		
		12	•	
		13		
		14		ALL ALLEGE VERY
•		15 16		
		17		
•		18 19		
•		20		
Stratigraphic Sumr	nary:			

Contractor: Operator:	B. Phlme		Dvirka and Bartilucci Test Pit Log	Pit No. TP
Inspector: Equip Type:			Project Name: Trimmer (LA Project #: 1701	Pit Location:
Groundwater Ob	servations	5	Start: 12/22/19 9:37	Plot Plan
Water level Time Date			Finish: 12/22/59 9:50 Weather: 50MMY 25°F	(see location map)
Depth of pit	Sample			
Classification	No.	Depth	Description	Comments
		1	most weak brown stit	
	-	2	waste-plastic loags, butter wood	
		3	Lucad	-410 way 56ps
		5		through woste
		6	and the state of t	
	-	7 8	bottom of excavation 7.5'	Lue shock
•		9	bottom of the	grand surface
		10		grand surface grand surface years y to 7' suth of News
-		11		A series and the series of
-		12 13		no photos
		14		No Operator
		1 5		
		16 17		
• •		18		
-		19		
-		20		
Stratigraphic Sumn	nary:			

Contractor: Operator:			Dvirka and Bartilucci Test Pit Log	Pit No. TP
Inspector: Equip Type:	6.60	LP.	Project Name: Trimmw (L) L.F. Project #: 1701	Sheet 1 of Pit Location: Eside of side
Groundwater Ob				new pand
Water level	servations	5	Start: 12/22/79 9:58	Plot Plan
Time			Finish: 11/12/19 10:15	1/19./7
Date			Weather: Sunny 280 F	(see lynation map)
Depth of pit				
USCS Classification	Sample No.	Depth	Description	Comments
		1	mossl red. bran sell	
			timilars anather a rounded	_ upper 6'appears
	-	3	boulders angular a rounded . Siltstone, sudstane	h be builter
•		. 4	: green sand stone builder	Pile .
		5	J	,
		6		A. 1 2 1. 7
Í		7	• التقليفات، خلفان التقارب	Photos Rd13 12,13,14
		8	fleggy, angular boulders green	12, 13, 14
•		9	bottom of exercal a 8.0	a.
		10		pond bottom
		11		pond bottom
	_	12	·	al.15' Est
		13		there line
· · · · •		14		and the second of the second of the
		15		·
		16		•
		17		
		18		
		19	•	
_		20	·	
Stratigraphic Sumr	narv			•

A Sept. Special Control of the Sept. Special Control of the Sept.

Destitation of the control of the cont

Contractor: Operator: Inspector:	B. Palme		Dvirka and Bartilucci Test Pit Log Project Name: Timmer R& L.F.	Pit No. TP/8 Sheet 1 of/ Pit Location:
Equip Type:	Kobele	1909	Project#: 1701	In py area or Ime 2200 neer park
Groundwater Obs	servations	5	Start: 12/12/99 10:20	Plot Plan
Water level			Finish: 12/22/99 15:35	1
Time			Weather: Suny 280F	TME (See location map)
Date				
Depth of pit				Commence of the second
USCS Classification	Sample No.	Depth	Description	Comments
		4	thin soft tealfor cover	
,			The state of the s	
		2	, 1°	
		2	/	
			\nearrow	
		. 4		
		5	Wo Ite	
			tive)	
		6	/ 1971 re->5(-4	
	· ·	7		
•	•	- -1	tire), 1771 re-sspaper glass	wille methant
		8	· .	possible methant
		9		
-			· ·	- Sweet solvent or hand cleans - little odor
•		10		or hand cleaner-little
_		11		a design
_			- 1945	
•		12		water flowers
_		13		1
			A Section 1	
<u> </u>		14		
_		15	bullen of excevation 14.0	Shopes at observed
	- 1	16		
-				of water example
_		17		earlieves desperi
• .		18		·
-				
		19		
		20		
			•	
Stratigraphic Sumn	nary:			

Company of the second of the s

Contractor: PW Operator: B. Palmer Inspector: C. GavV Equip Type: Vulleta 909			Project Name: Trimmer (2) LF. Project#: 1701	Pit No. TP9 Sheet 1 of Pit Location: Sw Connered
Groundwater Obs	servations	3	Start: 12/22/99 10:40	Piot Pian
Water level Time Date			Finish: 12/22/55 11:15 Weather: 5.454 180F	Gree location map)
Depth of pit	Sample			- Land Company of the
Classification	No.	Depth	<u>Description</u>	Comments
		1	morsh brown self	- no waste
		2		- no work - elge of put - no water seeps
		3	the base of the second	-no male sept
		. 4 5	red weathered sill-starre	
		6	bettem cheklarkfin 5.1	
		7	bothom of skinery	
	-	8	· - :	
-		9		
		10		
· •		11		
		12 13		
•	·	14		
		15		
-		16		,
		17		
-		18		
		19		
		20		
Stratigraphic Sumr	nary:			<u> </u>

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A WAS AND AND A

Contractor: Operator:			Dvirka and Bartilucci Test Pit Log	Pit No. TP-20
Inspector:			Project Name: The world by	Sheet 1 of
Equip Type:			Project Name: Trimme (1) LF	Pit Location:
	Bow WELVE C	. g.u. b	Project #:	leadingle Seet new
Groundwater Ob	servations		Start a landow 611 2 m	W-7
Water level		i —	Start: 12 22 75 11. 20 Finish: 12 12/75 11:46	Plot Plan
Time				
Date			Weather: Sunny breeze for w	(see location map)
Depth of pit			6.3 14	
USCS	Sample			
Classification	No.	Depth	Description	Comments
			wet red soll a grass	Comments
		1		
Ì		9	wase	
		3	ALL LACK SEE & A	
,			running in framconste	
		. 4	from weste	
		5	2'-7'	:
			ζ γ.	
		6		
	:	7	the same of the sa	1 . Canter web
	•		The Award Sillians 110	- herd, sandcormt
		8		a.
		9	Rotten of big 8.0,	phodos Rolls 15,16, 17
		40		·
		10		12,16,11
i .		11		
1			•	·
		12		-
		13		
	· · ·			
		14		
		15		
1			·	,
		16	•	
	· ·	17	•	
] .		18		
	1	40		
		19		
		20		
-				•
Stratigraphia C				
Stratigraphic Sumi	nary:			

THE STATE OF THE S

Contractor: Operator:		ner	Dvirka and Bartilucci Test Pit Log	Pit No. TP- 2 Sheet 1 of /
Inspector:			Project Name: TVIMMWRA LF	· · · · · · · · · · · · · · · · · · ·
Equip Type:			Project #: 1701	Pit Location: E edge of LF near
			1 to the	clitch
Groundwater Ob	servations	5	Start: 12/20199 11:45	
Water level		<u> </u>		Plot Plan
Time				
Date			Weather: Summy w breeze to	(See location map)
Depth of pit				
USCS	Sample			Photogram of the second
Classification	No.	Depth	Description	Comments
			BIGHT IS IF	seeps e + surface
		1	And the second of the second o	Judge of the state
		2	·	scept through
				seeps through waste
		3	wuste	ما ما ما ما
			CDD: WELDS CAREFORD	-waste is before
	<u> </u>	. 4	weathers med 5/14 stars	Stream a Malive
	·	5	II all all	grown surfice
			FOLLOW OF IV.	(\$\frac{1}{2}\)
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Stratigraphic Sumi	nary:			<u> </u>
				

TOTAL WILLIAM STATES

Contractor: Operator:	B. Palme		Dvirka and Bartilucci Test Pit Log	Pit No. TP- 22		
Inspector:	G. Gorld		Project Name: Trimmer Rd	Pit Location:		
Equip Type:	Kobeleo	904	Project#: 17at	SEconomodes		
Crown during the						
Groundwater Ob Water level	servations I	S	Start: 12 22 99 12:30	Piot Pian		
Time			Finish: 12/20/12:50			
Date			Weather: somy w biecon, 25%	(see location map)		
Depth of pit	-					
USCS	Sample					
Classification	No.	Depth	Description	Comments		
			Muist brown Silt, sand - top soil			
		2		sa e c'hve		
		3		- no weste		
•			The same there the	- nu water		
	<u> </u>	4	ted byreen weathered siltstone	-nu water		
		5	use ·			
			·	Photos 12113		
,		6		20117		
		7	Wortom of excavation 60.	18,19,20,21		
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Stratigraphia C.						
Stratigraphic Sumr	nar y :	· · · · · · · · · · · · · · · · · · ·				

Contractor: Operator: Inspector: Equip Type:	B. Gala	,\	Project Name: Trimmer (LA LF Project#: 1701	Pit No. TP- 23 Sheet 1 of 1 Pit Location:		
Groundwater Ob Water level Time Date Depth of pit USCS		5	Start: 12/22/99 13:00 Finish: 12/22/99 13:35 Weather: Senay, becare from W 25°F	Plot Plan (see location map)		
Classification	Sample No.	Depth 1	Description red Cold Cold	Comments		
		3	Stall, word,			
		5 6 7	plashre.			
		8 9 10		-10,0 unter		
		11 12 13		See P		
	·	14	red weathered sillstone			
•		16 17 18		•		
Stratigraphic Sumr	nan.	19 20		•		
				·		

Sewija ini

Contractor: Operator: Inspector: Equip Type:	B. Palm 6.6.1	à.	Project Name: Trimmy (Ld (15 Project #: 1701	Pit No. TP Sheet 1 of Pit Location:
Groundwater Ob Water level Time Date Depth of pit USCS			Start: 12/22/95 13:45 Finish: 12/21/95 13:45 Weather: 2500 breezy 2500	Plot Plan (see location map)
Classification	Sample No.	Depth	Description	Comments
-		1 2 3	unte water seet	Wastersaked ditch lend
		4 5	reducational sillistine 50	
-		6	red weathered siltshore 50	ditchis l'i desp
- -		7 8		
-		9 10 11 12		
		13 14 15		
 		16 17 18 19		
Stratigraphic Summ	ary:	20		•

Contractor: PW Operator: BSmith Inspector: Governor Equip Type: Koheles 909			Dvirka and Bartilucci Test Pit Log Project Name: Trimmer Rd Project #: 1701	Pit No. TP-25 Sheet 1 of 1 Pit Location: Selge SFLT		
Groundwater Ob Water level Time	servation	S	Start: 12 12 299 13.55 Finish: 12 12 97 14:05	Plot Plan		
Date Depth of pit USCS	Sample		Weather: P. Sunny, whity (u)	for location map)		
Classification	No.	Depth	Description	Comments		
		1 2 3	red brown silt cover waste plaster, bother, paper	Ph. tus 22+23		
- -		5 6 7 8		Grand surface appears as above 5. ditch		
- - -		9 10 11 12 13	Ced weathered filthere buttern of plating	Park or Professional State Control of the State Control of the State Control of the State Control of The State Con		
· · · · · · · · · · · · · · · · · · ·		14 15 16				
		17 18 19 20				
Stratigraphic Summ	ary:					

Control of the state o

Contractor:			Dvirka and Bartilucci Test Pit Log	Pit No. TP- 26
Operator:	B. Palm		_	Sheet 1 of
Inspector:			Project Name: Irimmer RALF	Pit Location:
Equip Type:	roperco	707	Project #: 1701	SW corner of
Groundwater Ob	servations	5	Start: 12 77 14:09	LF
Water level			Start: 12/72/99 14/09 Finish: 16/20 1982 14:20	Plot Plan
Time	·		Weather: 5 Ln my, breeze 250 5	(see focation map)
Date			7 0 2 7 7 7	(see focation map)
Depth of pit USCS				Landa minimum
Classification	Sample No.	Donih		
	110.	Depth	Description Cover - SIH	Comments
		1	The second secon	
		2	: /	ė
•			N Marin Carlotter	valorsepren
		3	Waste waste	20 - inwester
		4		· · · · · · · · · · · · · · · · · · ·
		5	Wast	
-		6		(1)2/03
· _		7	J.	Photos 124/25
		8	8.0	74.25
-		9	red worthpret fitting most buttern of pit 970.	** /
-			Wilderson and Die	THE STATE AND A CONTROLLED WITH A STATE OF THE STATE AND A STATE OF THE STATE OF TH
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Stratigraphic Summ	агу:			

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APPENDIX B BORING LOGS

	Driller: \(\) Inspector: Rig Type: Drilling Me	CME 8	SO ATV		- -	Project Name: Trimmer Project #: 170\ Boring Depth: 15.5	Boring ID: MW-15 Sheet of Location: Sof Send of landfill		
*		Date Time DTW /Tota! Depth	12-21-99 15=45 dry	12-22-99 67:45 464 12.5'	12-23-99 09:00 13.3'	Finish (Date & Time): 12-23-99, 12-30	Location Sketch	LF POND	
	Sample Interval	Sample No.	Blows	, i		Field Description	Well Schematic	Comments	
15						to 15.5' Wout sampling og for adjacent MW-1D. B.O.B. = 15.5'	# 0 Sand pack 10 box for the grand mik 2" 4 Schools 40 100 12 " 5 6 6 6 40 100 10 100 100 100 100 100 100 100 1	Stickup of v3' my locking 4" steel protective easing. 8.0' 8.5'	
		vised 8/26/96 by			Soil Stratig	graphy Summary			

]	Inspector: Rig Type:_	W/S. Perc D.S CME ethod: 4	fahl 850 A	78	-	Project #: 1701 Boring Depth: 38.01		_		Boring ID: MW-ID Sheet / of Z Location: S of S side of refixe	
	Casing	Date Time DTW (Total Depth	Groundwa 2-21-99 3:30 2-10' 11.5'	1-24-00 		Start (Date & Time): 12-21-99, 12:45 Finish (Date & Time): 12-22-99, 14:30 Weather: 12-21, overcast, wis-15, 25% 12-22, M. Sun, wswis-12, 25% Elevation of Ground Surface:		N A	etch	ch: L.F. Portd of Marin D	
	Sample Interval	Sample No.	Blows	(ppw) P1D		Field Description	Wel	l Schema	atic	Comments	
	0-2.0' Rec= 2-3.8' Rec=	55-1 0.5' 55-2 1.8'	Wo H 5 5 9 33 41	10.0	Aloset. K	lark Br Silf trace of Sand, is the frace of Sand, Og motting (0,1') over the filt trace of Subjects of comments, and control of Silf, trace of Sand, trace of gravel (1.2') over Dry, Rd m-fitting gravel, trace of portions	1 1		The second secon	Stick-up of as'w/ locking cover 55-1, reacts to HCl strongly 55-2, bedrock 3.5	
5	4-4.2' REC=	\$\$-3 0.2*	50/3' 50/2'	0.0	Dry, Rd silf, +	If a siltstone gravel, trace trace Ga portions.	grout		(大) (1000年間の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の		
	REC: 8-8.2! Rec:	0.2' SS-5 0.2'	50/2'			d f & sitts town gravel, trace race an portions. 2d f & sittsome gravel (0.15) Bry, an f & sitts lone gravel (0.05).	7021	i.d. steel pipe			
10	16-10.1° Rec=	SS-6 0.0'	50/.1'	0,0	Ho re	covery.	Cerm	1"		very hard derilling 10.00 to 11.00.	
										post 45-6, auger to 17 and grout 4"pipe. Stop for day. 11550 on 12-22-9	
ĮS			Elve		01.0					Start C-1	
	120-19.5' Rec: RGD:	C-1 2.51 2.21	46%	0.0		Itstone, trace Gn portions	de de	3,75" Open Rock Hola	* *** *** *** *** *** *** ** ** *	Coring rate= 3-3.5 min/ff.	
	19.5-24.51	C-2	ΗX	0.0		Its force, trace on poertions graphy Summary	-	lw.		•	

<u></u>	Inspector: Rig Type:				· · · · · · · · · · · · · · · · · · ·	Project Name:		Boring ID : MW-D	
	Cooling	Date Time DTW		ter Observa	tions	Start (Date & Time): Finish (Date & Time): Weather:	Location Sket	ch:	
	Sample Interval	/Total Depth Sample No.	Blows	(ppm)		Elevation of Ground Surface: Field Description	Well Schemati	c Comments	
	Rec= Rad=	4.8'	79%		Rd St Some	itstane, trace an pertian, fractures.	50-10-10-10-10-10-10-10-10-10-10-10-10-10	-	
25	24.5-29.5 Rec = RDD:	C-3 5:0' 3.9'	HX 78%	0.0	RJ &	ittesome, little En portions	Rock 456-48 Cove		
20	29.5-32.0 Rec= RBO=	C-4 2.5 1.7	68% HW	0.0	Rd s	. Its fone, trace an portion	00		
					Į.	3.o.B. = 32.01		32.0	
35									
							:		

	Driller: P-	-W/J. Per	rcy, J. Ho	mmond	···	Dvirka and Bartilucci Boring Log				l	Boring ID :MW-2	<u>2</u> D
	Inspector:				-	Project Name:	TrimmerR	oad	L.F.		Sheet _ / _ of _ 3	
	Rig Type:	CME 8	SO ATV			Project #:	1701				ocation: S of SE	
ا انتشاری	Drilling Me	ethod: <u>4%</u>	y"iLHSAs	, HKG	<u>re</u>	Boring Depth:	11.01			2	corner of refise	-
			Groundwa	ter Observa	itions	Start (Date & Time):	12-14-99, 13:25	Local	lion Sk	etcn	•	
		Date	12-15.99	1-24-00			12-20-99, 16:50	N			BNO	
		Time	07:45			1	reast, E/5-15, 40°F	ŕ			F. [133]	
	Casina	DTW	22'	~14.7		[2-20, 6¥] Elevation of Ground S	ercast, sulf5-25,25°f	1		-	AWM-SD	
	Sample	/Total Depth Sample	kerler	(22)		Elevation of Glound S	unace		-1	Т		
	Interval	No.	Blows	(Ppm)		Field Descrip		Well	Schem		Comments	
	0-2.0'	55-1	WOH	0.3	Moist,	dark Br silt, 1	ittle f sand, hiles, leaves (0.3) Fsand, some			Ĺ	stick-up of ~3'w, locking cover,	7
	Rec=	0.5'	WOH		organi	Moist like R	hiles, leaves (0,3)		,	GEN LEAVE CO.		
			1		silt lo	2).	() and) some			C. Nacional Association	SS-1+SS-2, no HC Auger past cot	
	2-2.9'	55-2	2	0,8	Moist	light Br f sa	nd, some silt			Pairwells Apple	3-3,5'. refusal	at 1
	PAC=	0.7'	57/4		Hrace	thin (c/mm) 1	Moist, light Br				4' on boulder, N	have
					+ San	d Seams.					rg 2' south	İ
	4-6.0'	55-3	11	1.4	Dr. 6	2 silt trace	c-f sand (too)				•	
5	Rec=	0.81	21		trace .	thin (climm) br	c-f sand (\$ too)	a de la constanta			55-3, strong rea w/ Het	وحانام
			36 44		trace	Gra coloning is	n tipe		;		co) mice	
	6-7.5'	55-4	41	1.6	Mariet	plen I	of a litar			*	Sp. Live	
	११८ :	1.5'	47		brown	Silt seams (e c-1 sano, 1400	20	9)		45-4, strong read	tur.
(ļ		56·		Gen + R	df \$ to 0 si	e c-f sand trace 41 to 4 mm) trace Itstone gravel.	016	9/9		witch	
t .	8-8.8	35-5	28	0.5	Mosak	PL 517 141	e mate co	10	,	inglatera and		
	Rec =	D.8'	50/3'		Siltst	on a grel t	e m-f & Gr+Rb race f Sand,	1100	stre	A.		
			<u> </u>]	7		2/6	60	كمعتادي وزيد نووج		
lo	D-10.4	55-6	52/4	0.2	March	phair to	r. ol Cr	0	J'	CONTRACTOR OF THE PARTY.	,	1
	Rec =	0.2			3, 14.	Rd silt, trans lone gravel.	DK+100 十4	7		flyed a longer		
					1	0		damen	1	Company of the Compan		
	12-12.2	55-7	50/.2'	0.1	D.	01 - 11 - 1	e L	A C				
	Rec:	0.2			15:14:	Rd silt and one gravel.	6y 9 m-1	*		The state of the s		
	<u> </u>	ļ	<u> </u>		-	7				and the second		
	14-14.3'	55-8	50/.3	0,4			- F. 1			PSHARLANDAUK		
15	Der-	0.3'	1	₩9.Y	little	12d+Gy 4 m-T	silts fore gavel		-	en de la companya de	195-8, Strong rea	eeldh
13				ļ] I THE	Br fift 1	3			-		
	16-16.2	55-9	50/.2'	0.0		*						
	Rec=	6.2	24,6	8,0		so siltstone (o	.1') over Dry, Gr					
							_	o House and States				
	10 10 1	/()	Palu	- A				AL ALIGO. 14				
	18-18.1°	55-10	SD/.1'	0,0	1 Dry, 1	to siltstone		£				
,		7				•		***************************************				
* (E]								<u> </u>		
÷		-			Soil Strati	graphy Summary						
	file o&blog.xis r	evised 8/26/96 b	y GG									

€e.;	Inspector: Rig Type:	ethod:				Project Name: Trimmer Road L.F. Project #: 1701 Boring Depth: 410'					Boring ID : MWZD	
	Date Time DTW Casing/Total Depth				ations	Start (Date & Time): Finish (Date & Time): Weather: Elevation of Ground Surface:			ation Si	ketcl	n:	
	Sample Interval	Sample No.	Blows	(FPm) PID		Field Description		Wei	l Schen	natic	Comments	
	20-20.1' Rec:	55-11	S0/.1'	0.0	Dryi	Sy-Rd m-f & siltston	egravel.	Trace	0.50		post 55-11, auger to 22' and step for day Start on 12:15 at 08:50	
	22-22.2' Rec=	55-12 2.2'	50/2'	0.0	Dry, G	iy-Rd m-f & silfsto	ne grevel	benton the great	steel p	Witness Company Company on Annual State Company		
25	24-24.1° Rec=	≤s-13 ∂.1'	50/.1'	0:0	Moisf	, Rd+Gn silfsten	<u>e</u>	cement-	P." H	graphical transmission of the control of the contro	post 55-13, auger to 26' and grout 4" pipe to 28'- Stop	
(26-29,0° Rec: ROD=	C-1 3.7' 0.75'	HX 29%	0.0	Hisel Without	siltstone, some Gr y weathered at . - of recovery.	portions topand			26.0	Start C-1 at 13:45 on 12-20-99,	
30	29-34.0' Rec= POD=	2'5, 2'5,	14 X 86%	0,0	Portion trace 32-34	Silfstone, trace of one, trace of the calcareous portification thick) it is upper rem	Jreen bedding, rtions rare but		- HX Core		C-2, adite partion very Hall reactive	
35	34-39.0' Rec=	C-3 5.b/	ΗX	0.0		Itstone, little G			Rock Hole -		Coring rate C-3 = 3 min /ft,	
J	<u> </u>	4.8	96%			-			3.75 " Open	- Character Limited Indicated Association and Desired		
· Ç	39-41.0° Rec=	C-4 1.9°	HΧ	0,0		Itstone, trace Gn	portions			A CONTRACT OF THE PROPERTY OF		
	file d&blog xls re	evised 8/26/96 by	<u>GG</u>		Jon Stratig	graphy Summary						

	Driller: Inspector: Rig Type: Drilling Me					Project Name: Trimmer R Project #: 170 I Boring Depth: 41.0	L.F.			
		Date Time DTW		eter Observa	ations	Start (Date & Time): Finish (Date & Time): Weather:	Loc	ation Sketcl	1:	
	Sample Interval	Total Depth Sample No.	Blows	(mpq)	<u> </u> 	Elevation of Ground Surface: Field Description	We	II Schematic	Comments	
	Rad=),9'	100%	PID	Rd S	illitatione, trace Gr portions		Hopk	*	
						B, O.B. = 41.6'	THE REAL PROPERTY OF THE PERSON NAMED IN COLUMN TWO PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO PERSON NAMED IN COLUMN TWO PERSON NAMED IN COLUMN TWO PERSON NAMED IN COLUMN TWO PERSON NAMED IN COLUMN TWO PERSON NAMED IN COLUMN TWO PERSON NAMED IN COLUMN TWO PERSON NAMED IN COLUMN TWO PERSON NAMED IN COLUMN TWO PERSON NAMED IN COLUMN TWO PERSON NAMED IN COLUMN TWO PERSON NAMED IN COLUMN TWO PERSON NAMED IN COLUMN TWO PERSON NAMED IN COLUMN TWO PERSON NAMED IN COLUMN TWO PERSON NAMED IN COLUMN TWO PERSON NAMED IN COLUMN TWO PERSON NAMED IN COLUMN TWO PERSON NAMED IN COLUMN T		41.0'	
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55	-									
					Soil Strati	igraphy Summary				

	Driller: P. Inspector: Rig Type: Drilling Me	CME 8 ethod: Hi	Stahl 350 ATI 4" id fls Groundwa 1-5-00 08:05 dry	J As ter Observa 1-24-00 - - ~8.7	tíons	Finish (Date & Time): 1-5-00, 08:45 Weather: M. Sun, 25°F, 8w/o-4	Boring ID: MW-3S sheet _ l _ of _ l Location: S of SW Corner of refuse h: FOND FOND		
	Sample Interval	/Total Depth Sample	2,0 ¹ Blows	14.01		Elevation of Ground Surface: Field Description	Well Schematic		
5		No.			Auger Sed 1	to 14.5' Wout Sampling, og for adjacent MW-3D.	15/64 2 schol 40 PUC riser	stick-up of 23' m/ locking 4" steel protective casing. 2.0' 3.0'	
(J.	Put screen, 0.01		
							#0 Sand	14.5	
IS	**************************************					B.O.B. = 14.5'		1978-2	
.6					Soil Strati	graphy Summary			

	Inspector:	W/J. Percy D. St CME S ethod: 41/	ahl 850 AT	/	- -	Dvirka and Bartilucci Bo Project Name: Trimmer Ri Project #: 1701 Boring Depth: 32.5		Boring ID: MW-3D Sheet 1 of 2 Location: 5 of SW Corner of retyre				
	Casing	Date Time DTW n/Total Depth	1-4-00 15:20 dry	1-24-00 1-24-00 		Start (Date & Time): 1-4-00, 14:20 Finish (Date & Time): 1-5-00, 10:40 Weather: 1-4-00, 0-cast, 45°F, 5w/15-50 1-5-00, M.Cy 25°F, Nw/545 Elevation of Ground Surface:		2000	Ĺ.F.	Pard A		
	Sample Interval	Sample No.	Blows			Field Description	i .	ì Schem	natic	Comments		
	0-2.0 ⁽ Rec =	35-1 0.6	2 1 2	0.0	Moist, (0.3) o	darkbr sitt, organis rich ver Moist, light Br silt Worganis vots), trace t sand, mottled Br, Rd.	The second section of the second seco			stickup of ~3' w/ locking cover.		
	2-3.8' RCC=	55-2 1.6	3 5 12 44 50/.3'	0.0	Moist, Combo Red sit	Lt Br silt, little of sand trace to sub a sand, trace of subx dark Gygrand Co. 5 Drove Mosst t, trace of & Rd+ Gn grave (1)	A CONTRACTOR AND A CONT		The second secon	3.0', bedrock		
5	4-4181 PEC=	55-3 0,9'	33 50/:31	<i>6.0</i>	Ay, R	d. siltstone	e de la companya de l	-		strongly w/ Hel		
	6-63' Rec:	56-4 013'	50/.31	0,0	Dry, R	I siltstome, trace Gow portions	(A)	1.06	thera (C) deliveres (C) and the contraction of the			
(8-8.4 Rec=	55-5 0.4'	20/41	5.0	Dry, R	d siltstone	t-beatonite	sheel	and the second s			
/0	10-10.21 Rec=	55-6	50/.2"	0.0	Dry/G	in siltstone	Cennen f	-H": 4.	ingenis de la companya de la company	ss-b, reacts weakly wither.		
	12-12.3' Rec=	55-7 0,21	50/-3'	0.0	Dry, 1	2d + Gr Sillstone			enderen en en en en en en en en en en en en e	post SC-7, anger to 17.5' and grout the pipe, Stop for day		
15							A	And the state of t	Control to the contro	day		
	175-195 Hec RDD=	0-1 0.0' 1.8'	90% HX	0,0	RJ 5	Hstone, trace Ga portions		ren Rock Te-HX	17.5	Start Coring 6-1 at 09:00 on 1-5-00.		
* 6	19,5-24,5	C-Z	усс	0.0	Soil Stratig	graphy Summary		199				

	Driller:				_	Dvirka and Bartilucci E	Boring	Log	Boring ID : শౖ	V-3.D			
	Inspector:		···			Project Name: Trimmer	L.F.	Sheet 2 of 2					
					_	Project #: 1701			Location:				
S+;		ethod:			- -	Boring Depth: 32.5'				_			
٠ .			Groundwa	ater Observ	ations	Start (Date & Time):	Loca	Location Sketch:					
		Date			<u> </u>	Finish (Date & Time):	.						
		Time				Weather:							
		DTW											
		/Total Depth				Elevation of Ground Surface:	<u> </u>						
	Sample Interval	Sample No.	Blows	(ppm)		Field Description	1	Schematic	Comments				
	Rec=	4.9			Rd Sn	Itstone, little green portion	5, = -	<u>.</u>	e \ . + .	e >			
	Rad=	3.7'	76%		recove (%)	Itstone, little green portion Fractured 2nd foot of M. A Wet, muddy Red layer at ~23.5!	,		Coving rate, (= 3 min/ft,	-2			
				<u> </u>	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	w e zata ,		*					
					-			the Core					
		 	<u>i</u>	ĺ	1			1					
]			1	-[
									,				
15	24,5-29.5		HX	0.0	K4 5-	Itstone, trace in portion	ا ا، ا						
	&800 = 1	5.0° 4.3°	86%		and o	Itstone frece (In portion thered 1/2" seam at ~26.5' lighly frectured 28:0-29.0'.		165/4					
	K S D T	1,3	06/6	 	1	J - J 1 - 4 - 10 - 27,0.		3					
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		***************************************]			0	* 				
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					4			3	_				
		<u> </u>		 	1			0 -	≠ 				
30	29.5-32.5	C-4	HX	0.0	181 s	iltstone, little Gn partion		1,5%	-				
30	Rec=	2.9'				Marke du bus 100m	\$ · <u> </u>	67,	-				
	Rag=	2.65	92%	<u> </u>				-	-				
		<u> </u>		-	-				-				
		 			1			-					
						B.O.B. = 32,5'	NAMES OF TAXABLE PARTY.	and a second second second	32.5'				
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					Soil Strat	igraphy Summary							
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	Driller:_P			ammon	4	Dvirka and Bartilucci			Boring ID : <u>MW-4</u> S		
	Inspector:			· · · · · · · · · · · · · · · · · · ·	_	Project Name: Trimme	r Roc	ad LiFi	Sheet of I		
	Rig Type:				_	Project #: 170	1		Location: WOKNW		
	Drilling Me	thod:	4/4" 12	.HSAs	_	Boring Depth: 12.5"			end of refuse		
			Groundwa	ter Observa	etions	Start (Date & Time): 1-3-00, 13:3	2 10	cation Sketcl	n:		
		Date		1-24-00		Finish (Date & Time):/-3-00, /454		N mw-451	The state of the s		
		Time	14=15	(İ	Weather: 1-3, overcast, NE/6-15,		A GOLD	Pand		
		DTW	dry	2/.3		l		1	L.F.		
	Casing	/Total Depth		12.0'		Elevation of Ground Surface:	_				
	Sample	Sample	Blows			Field Description	V	/ell Schematic	Comments		
	Interval	No.			1.1.1.						
İ					Truger	to 12.5' w/out sampling for adjacent MW-4	g . m	avel 3 Cemen	locking 4" steel		
ĺ					المحقورا	ing for adjacent MW-4	D. Be	TO SEE STORE	lo' profestive		
		· · · · · · · · · · · · · · · · · · ·]	- -	15	2.5	15 -215		
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						B.O.B. = 18.51	COMPRESSOR TO COMPANY	CONTRACTOR CONTRACTOR AND AND AND AND AND AND AND AND AND AND	-12.5		
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	Driller: P	W.T. Perci	J. J. Hans	mond, B	lalmer	Dvirka a	and Bartilucci	i Bori	ng	Log		Boring	ID: MW-40
	1			<u> </u>	_	Project Name:	Thimmer	r R	oal	L.F			
		CME			-	Project #:		<u> </u>				Location: <u>/</u>	Jof NW
ا درگرستان	Drilling Me	ethod: <u>47</u>	4 i.d. HS	4s, HX	Core	Boring Depth:	33.0					and of	Nfuce
)				ter Observa		1	e): 1-3-00, 11:45	li	ocat	ion Sk	etch):	
		Date :	1-3-00	1-24-00		1	ne): <u>1-4-00, 08:50</u>	11	NA	MW	0[Par	J
		Time DTW	12:30 dry	~6.6'	<u> </u>	3 '	overcast, NE/6-is overcast, Sw/5-25,		*	`		-F.	Carpo
	Casing	/Total Depth	12.3	33.0'		Elevation of Ground	7	. <u>50</u> }	Į		. L		
	Sample	Sample	Blows	(ppm)		Field Desc	crintion	V	Vall	Schem	atio	Con	nments
	Interval	No.	Worl	PID	1.1.4 4.5	····	<u> </u>	•	Veli	Schem	allo		P
	Rec=	55-1 1,3'	WOH	0.4	(0.3')	over Wet light	ganic rich w/ro	6 5				Porded	water to
			3		Clay o	Iganic rich	t Br silt, trac wy yl, Rd + Br Moist, Rd - Brs	1 P				Stick-up	g sover.
	2-4.0	SS-2.	4	0,2	(6.5)	A(0.5) BICE	rloist, Ka-Brs	Sitt	· •		1 :	ł.	
	Rec=	0.7'	9	- عاران	Moist, RLAGO	Kd Silt, tra	ce fx to sub gravel (0.27) or	10	edistribents		*	55-Z, 2.	5, bedwek
			15			1111110000	Dinage Care 18	W. C. Miser					
	4-5,0	GS-3	25 33	0,3	Ma: 1	P1 (91.1.	. 1 /	. 1	ST COLUMN CO		Communication		1
5	Pec:	0.6.	52	0/5	Portio	ins.	me, trace 6	(A)	TO SECURITION AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF THE PERSON AD		September Live	SS-3, 500	on bounces of drive.
>					1						Carrie Market		Or Cruse!
	6-6.1	55-4	50/.1'	0.1	n. 6	21.1		1	1000		Monorableod		
	Rec=	0.1'	30/-1	0,1	Porti	SAITS TON	e, trace Gr	•	9	9)	in the same of the		ö
1					100 10	3.v~1		1	3	ig.	TO MAN TO A STATE OF THE STATE	i i	
(8-8.4'	<i>\$5-5</i>	50/.4"	0.0	Dag P	1 = 11.1	. / - 1)		Dentonite	To la	distribution state		
,	Rec=	0,3'	- 	- John (July 1997)	GO S	Hotore in	e (0.21) over	7	ğ	Steel	(Hybrack tark tak		
	<u> </u>						· · · · · · · · · · · · · · · · · · ·	i de	1	_	NATIONAL PROPERTY.		•
10	10-10.2	55-6	Sol-z'	0,0	Majet	PE siltston	ar A		\$ 5	1.0	CALLER MARKETERS		
	Rec:	0.24	- 1		''[*·•')	PB 31.62 (0)			Casse	11 /	Occupant Transport		
									ľ	•	Machine 1		
	12-12.31	55-7	50/.3'	0.0	Moist.	Rd siltstom	ve dust - ha		ACC DIVINI		M. SOLUMNY	Post ss.	7, anger
	Qec=	0.0'			الودور	ery.			22		Dew State	to 15.0	W/OUT
						¥			N. Contraction of the Contractio		n Keszterin	Stort 6	ly pipe to who of day
			<u>-</u>	-					مد شار در در در در در در در در در در در در در		ATTENDED TO	18.0' 2	nd of day
15											Enropme, K. 13	1 . ,	-1 on 1-4-00
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											A.		
								1.	T. T. T. T. T. T. T. T. T. T. T. T. T. T		all formal form		
				· · · · · · · · · · · · · · · · · · ·					**************************************		eroekanen . konsta		
	18-20.5	c-1	HХ	0.0	Rd Si	Hetone, to	ace Gn portu	ons -	-	A	1 18,0		
•	Rec:	2.3!			Gr qt	end of rec	ace Gn portu	<u> </u>	_	0 60 K			
· (·	Ran=	116	70%_			•	Ų ·	-		T.			
					Soil Stratio	raphy Summary		_			<u> </u>	- <u>1</u>	
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	Driller:					Dvirka and Bartilucci Boring Log				_	Boring ID: MW-4D		
	Inspector:	<u> </u>	· · · · · · · · · · · · · · · · · · ·		_	Project Name: Tsimmer Road			sheet 2 of				
	Rig Type:_					Project #:	17	01			Location:		
٠	Drilling Me	thod:				Boring Depth:	33,01						
٠. ١	**		Groundwa	ter Observa	tions	Start (Date & Tim	e):		Locat				
		Date				Finish (Date & Tir	ne):						
		Time				Weather:							
	Casino	DTW /Total Depth			-	Elevation of Groun	d Surface:						
	Sample	Sample		(ppm)			· · · · · · · · · · · · · · · · · · ·		<u> </u>		<u> </u>		
	Interval	No.	Blows	'פוק'		Field Des	cription		Well	Schematic	Con	nments	
	20.5-25.5	c-2	НХ	6.0	Rd si	Itstone, Kon	ne lon e	anto al		-	-		
	Rec:	4.91			w/fro	ltstone, 50, ctures hear	22-225	and at			Contra	rate, C-2	
	RQD =	4.3'	88%		25'.			-		_	= 3.5	rate, C-Z min/ft.	
			<u> </u>	1						W Core	-	, , ,	
										2 -	-		
										* -	-		
										1	-		
25										12/2 I	.,,		
	255-30.5	C-3	HX	0.0	Rd &	History, so ed (30°) free uses also n	ome CEN	aortions		£ -	-		
	E6C:	5,01			media	ed (30°) frac	tures ne	v 27-28	-	* E	anton Ber	2 to 6	
	ROOS	4.45'	89%		sol.	ites also n	ear 28.5	,29.54	No. No.	Rock	-		
r	<u> </u>	<u> </u>		-						A)			
`					1	-				0 -	-		
					1				# - m	3	-		
	<u> </u>			<u> </u>	1	*				3.75	_		
30					1					m -	-	•	
	30.5-33.0		ΗX	0.0] RJ .	siltstone, s	some Gn	bout jour	<u>.]</u>]	_	-		
	Rec =	2.35'	708/	<u> </u>	tract	vres at 31	,'ss 3-	7	- 1	1	_[
	SOD =	1.7'	7240							-			
		<u> </u>									33.0		
						B.O.B. =	33.01				39.0		
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٠.					Soil Strat	igraphy Summary _							
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	Inspector: Rig Type: Drilling Me	D.S. CME ethod: 47 Date Time DTW	falul 850 AT "y":.d. HSf	V よ,HX(ter Observa	itions	Project Name: Trimmer Road L.F. Project #: I Fo! Boring Depth: 42.0' Start (Date & Time): 12.15.99, 12:15 Finish (Date & Time): 12.17.99, 14:55 Weather: 12.15, M.Sun, NW/4-8, 30°F Elevation of Ground Surface:				Boring ID: MW-5D sheet of _ 3 Location: N of NW corner of refuse h: MW-5D L.f. Pond		
	Sample Sample Blows (PPM)					Field Description Well Schematic				Comments		
	Interval 0-2.0' Rec=	No. 55-1 0.5'	WoH L 3	PID 6,4	Moist, - organi silt, t	lark Br silt, trace c-f sand, c rick (0.3) over Moist, Rd-Br race c-f sand, trace f sub3to rel.				stick-up of ~3' W/ locking cover.		
	2-4.01 Rec=	SS-Z 1.81	5 7 9	0.3	Moist, Hrace layers	light Br silt, trace f sand, f subo to 0 gravel. Inclined		emment in a state of the state		SS-2, readistrongly to HCL.		
5	4-6.0' Rec=	SS-4 SS-4	6 12 21 30]	Rd silt, little f & to suba, trace c-f sand		THE PROPERTY OF THE PROPERTY O		55-3, below 4.0°.		
(,)	8-10.0°	0.3'	30	1.2	1	Rd silt, frace cof sand trace ared. A thin (<1 mm) light Briseam near tip.		anciamination and Ship S		SS-4, no the traces reacts strongly W/ HCI.		
/0	Rec:	1.3' SS-6	48 44 54 12 21		trace trace (elmi	Rd silt trace c-f sand, f & Rd+ Gr siltstone gravel, light Br silts f sand seams thick). Rd silt, little sub & to & f	bentonite	steel p		hardar drilling		
±	12-12.2°	55-7	50/·2'	0.0	piece The Dry e	rethick). Rd Silf little suba to & f me gravel, trace c-f sand, a of m & Rd silfstone gravelik Rd m-f x silfstone gravel, Silf.	Cament	, P.1 , H		starting at 11.5%		
S	14-14:5' Pec:	\$5-8 O.1'	56	0.2	Dry. little	Rd m-f & siltstone gravel, silt.	Control of the Contro			SS-8, strong reaction		
	16-162 Rec =	55-9 0.2'	50/.2'	0.4	-	elf & siltstone gravel, trace trace Gn portions.	AMERICAN AND AND AND AND AND AND AND AND AND A					
e de la	18-18.2' Rec:	\$\$-10 0.1'	50/.21	0.3	silf (ed m-Pysiltstone gravel and	ACTION AND AND ACTION OF A STATE		American State of Contract of	SS-10, weak reach		
		revised 8/26/96 b	y GG	<u> </u>	Soll Strat	igraphy Summary	1		<u> </u>			

	Inspector:	ethod:			-							Boring ID: MW-50 sheet 2 of 3 Location:
	Casing	Date Time DTW /Total Depth	Groundwa	er Observa	tions	Start (Date & Time Finish (Date & Tim Weather: Elevation of Ground	a):		Loca	tion Sk	etch	:
	Sample Interval	Sample No.	Blows	(PPM) PID		Field Desc	cription		Well	Schem	atic	Comments
	20-20,2' Rec =	55-11 0:2'	50/:2'	0-1		d.m-fà silts race Gn poo	•		6 7)	. 26	The state of the s	
	22-22.21 Rec=	55-12 0.2'	So/.21	0.0	layers.				coment-bentonte	4"; d. steel pipe		SS-12, bottom fulf of spoon outside is wet.
25	24_24.2' Rec •	0.2	50/-2			Rd. Mf & si silt.				o///h	6	post SS-14, auger
r	26-26.1' Rec= 26-29.5' Rec= ROD=	55-14 0.1' C-1 2.3'	50/.1' HX	0.0	Rd si	in f 3 sitts. itions. Itstone, littl	fone grevel, le Gn porti	trace ons				Post SS-14, auger to 26' and grout 4"steel pipe, End of day Start C-1 at 12:55 on 12:17:00,
30	206.346	C-2 5.6' 3.25'	HX 65%	0.0	Rd si	Itstone, fro	ace Gan portecovery,	tions		- HK Core		
										ck Hole		Coving rate C2,
<i>3</i> 2	34.5-39.5 ROC= ROD=	5.01	HX 92%	0.0	RI	Siltstone, a 37.5.	1" Gn lay	er	de de la constante de la const	" open Rock	A STATE OF THE STA	
									Eq. us, in a second of the sec	3.75	A TOTAL SECTION SECTIO	
, Ç	39.5-42	o C-4	HX	0.0	•	iltofone, litt	le Gn portio	145	der eg		2	
	file d8 blog xls	revised 8/26/96 l	Dy GG		Soil Stra	tigraphy Summary _						

	Driller: Inspector: Rig Type:_ Drilling Me				-	Dvirka and Bartilucci I Project Name:	Boring ID : MW-50		
		Date Time DTW	Groundwa	ter Observa	tions	Start (Date & Time): Finish (Date & Time): Weather:	Loc	ation Sketch	1:
	Casing Sample	Total Depth				Elevation of Ground Surface:	.		
	Interval	No.	Blows			Field Description	We	II Schematic	Comments
	Rec: Red:		74%		Kd :	siltstone, little Gn portion		Open Rade. Hole 3.75"	
						8.0.8,=42.0		de ingresse en sema la tanca.	+42.0
45									Ments.
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5 5									
· (E)									
-•		tevised 8/26/96 b	w.CC		Soil S	Stratigraphy Summary			

	Driller: P-	W/J, Per	ey, J. Ha	mmond		Dvirka and Bartilucci Bo	- I			Boring ID : MW-6D	
	Inspector:	<u>'</u> D.	Stahl		_	Project Name: Trimmer	Road	L.F.		Sheet <u>/</u> of <u>3</u>	
	Rig Type:_	CWE	850 A	TV	•	Project #: 170	1			Location: NANE	
	Drilling Me	thod: <u>41</u>	4"i.d. HSA	b, HXC	<u>r</u> e	Boring Depth: <u>H2.5'</u>			ļ	corner of refuse	
¥′, .	*		Groundwa	ter Observa	tio ns	Start (Date & Time): 12-13-99, 15-10	Loca	tion Sk	etch	1:	
		Date	12-14-99	1-24-00		Finish (Date & Time): 12-17-99, 10:30	N			-MW-6D	
		Time	07:44	~_		Weather: 12-13, overcast, W/2-5, 40 F	4		L.	Pand	
	0	DTW	~4.8"	~3,1' 42.5'		12-17, M.Sun, NW/4-8, 381 Elevation of Ground Surface:		•	L	and the state of t	
	Sample	Total Depth Sample	14.0'				<u> </u>				
	Interval	No.	Blows	(Ppm)		Field Description	1	Schem	atic		
	0-2.0	SS-)	MoH	0.0	Moist	, Br silt, some m-f suboto rel, trace c-f sand (0.7) over Rd-Br silt, trace c-f sand (0.1)				stick-up of ~3' W/ locking cover.	
	RCC:	1.1'	3	<u> </u>	O gra	rel, trace c-f sand (0.7) over			1	1000113	
			7	Ì	ŀ		1		15. 14.	11 2 1	
	2-4.0	55-2	6	٥.١	Moist,	Rd silt, trace f sand, trace - F x siltstone gravel			2 (1)	SS-2, strong readion	
	Sec=	1.9'	7 (2		Orn + Br	f f & siltstone gravel			\$	Bedrock, 2.0.	
			21		1		- Common		÷	95-3 thru 55-7.	
	4-6,0'	55-3	\2	0.0	Moist,	Rd silt, Rd+Og+ 41 mothling-				strong reaction to	
5	Rec:	2.0'	14		<u> </u>					144	
			2) 36		1		- Constant			4	
	6-7.4'	55-4	37	0.0	Moist	Rd silf, some f & silfstone 1, trace Gn portions	1		ant State St		
-	Rec=	0.6'	50/4	<u> </u>	grave	1, trace Gn portions	grout	Ø.	The Parkers		
(39/,4	_	1		200		n yetlerthen		
	8-9.11	53-5	10	0.2	Moist	RI silt, little f & RI+ (In one gravel (0.6') over wet, RI race f & to o siltstone gravel (0.4'), Moist, Gon siltstone (0.4'), I silt some on-f & to sub o	12				
	Pac=	1.2'	35		siltsta cill 1	time aravel (0.6") over wet, kd	2	Steel			
10			30/21		Jove 1	Moist, Gn siltstone (0.47),	140	2	The second second		
10	10-10-4.		36	٥٠٥	Wet, R	I sitt, some m-f & to sub a, trace c-f sand. A piece of	1 18 18	179	ACCRETATION AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF		
	Rec:	0.6'	SO/.4'		gravel	, trace c-t sand. A piece of m gravel in tip.	1118		No. of Contract of		
							Cement	11.11	The section of the se		
	12-12.4"	55-7	50/.41	0.6	Moist	, RL m-f & siltstone gravel	الالر		and a serior of	Post 55-7, stop for	
	Rece	0.4'			trace	\$, l t ,	TO THE PERSON NAMED IN COLUMN		The state of the s	start on 12-14 at	
					<u> </u>	, . P. 111			z mester s	07:45.	
*	14-14.31	55-8	50/.3"	0.1	Moist	, Rd m-f & silfstone gravel , silt, trece Gn portions.	/		CTANGED SOLL		
15	RAC:	0.2'	<u> </u>		Trace	sitt, trece an portions.			A CONTRACTOR		
				+					more bentifie		
	16-16.3	55-9	50/.3	0.2	Moizł	Rb f & siltstone gravel, silt, trace Gr portlans.			A STATE OF THE STA	55-9 255-10, read	
	Rec=	0.3'		<u> </u>	170868	e silt, trace Gr portions.			All and (According	strongly to HCI.	
		 	<u> </u>	 	-				and the sale		
	18-18.2'	55-10	50/.2'	0.0	Moist	, Rd f & siltstone gravel, silt, trace Gn portions.		erenewyersze to	HOAROTTO		
	Rec=	0.11	 	1	Trace	silt, trace an portions,		STREET VET FET CO.	A B TOTAL STATE OF THE STATE OF		
								C ENTERING	the period of the		
٠.					Soil Strat	igraphy Summary					
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	Inspector:_ Rig Type:_	ethod:			-	Dvirka Project Name Project #: Boring Depth					_	Boring ID Sheet of	3
	Casing	Date Time DTW	Groundwa	er Observa	tions	Start (Date & Tinish (Date & Weather:	Time):		Loca	tion Sk	etch	1:	
	Sample	Sample	Blows	(ppm) (PID			escription		Well	Schem	atic	Comn	nents
	Interval 20-202' Rec:	No. SS-1) 0.2'	50/.2'	0.1	Wet, F trace	ld m-t \$. silt.	siltstone s	gravel,	7.				
	22-22.2' Rec =	\$\$-12 0.2	20/.2'	©. <i>D</i>	Moist trace	, Rd m-f > silt.	siltstone	grend,	tonile grout	e pipe		Softer do 23,5 to 2	illing,
25	24-24.2° Rec =	SS-13 0:1'	Sb/.2'	0.0	Moist little	, Gn f à	siltstone	gravel,	cement-benton to	if": 1. steel Pipa		55-13, mo	
	26-261' Rec:	55-14	50/.1'	ರಿ.೧	1	if f &				1	73.	1-1 270 1	25t 55-14
(27.5-29.5 Rec= Red=	C-1 2.0' 1.3'	HX 65%	0.0		Itstone, s		•					start c-1
30	29.5-34.5 RC= ROD=	(-2 4.7' 4.2'	#X 89%	0.0	RJ s	iltstone, l	little Gn	portions	The state of the s	HX Core		-	
										Plate -	A A A A A A A A A A A A A A A A A A A	Cring 1	ate = smin/A.
35	34.5-39.5 Rec = ROD=	5.0° 4.6°	#x 92%	0.0	Ro	silfsfone,	trace Ga	r porton	\$	Open Rock		-	
										3.75" 0	Charle Constant Strategy of the Constant Strategy	-	
Ċ	39,5-42.5	5 C-4	HX	0,0		iltstone, to		eous Wt			2244 v 0.002 v 13550		
	file of bloc vis	revised 8/26/96 l	by GG			tigraphy Summan	J ,		··-				

Interval N	Date Time DTW I Depth	roundwater O	bservations	Start (Date & Time): Finish (Date & Time): Weather:	Loca	tion SI	etch	ı :		
Sample Sa Interval N	mple No.	liows								
Interval N	Vo.	iows i		Elevation of Ground Surface:	N/ol	l Schen	natic	C	omments	
				Field Description tions (1-2 mm thick, 2-10 mm long)	<u> </u>			i		
		13%	Par	1) Uns (1-2 min -1 mce, 2-10 min ping	6	Open Rack Hole -3.75"	4 A	<u> </u>	trongly 1	Hei
				B.O.B. = 42,51	**************************************	ESCHARISTER R. SCHOOL		42,5'		
									₩ <u>.</u> ₹	
,									. *	
5										
				stratigraphy Summary						

	Driller:_P-		4	mm ond	_	•	nd Bartilucci B		_			g ID :/ <u>/</u>	
	Inspector:		Stahl		-	1	Taimmer		Liti			of	
		CME			-	Project #:	170	/				I. Eofs	
	Drilling Me	ethod: <u>4′</u>	14" (.d. H	SA:	_	Boring Depth:)	4.5'				Side 0	if refus	<u>e</u>
٠. ٥				ter Observa		7	12.23.99, 07:25	li .	-	ketci): 		
	·	Date		1-24-00		7	1:12-23.99,09:50				£	Pand	
		Time	08:55	~7.0'		Weather: 12-23,0	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		200		f .		
	Casino	DTW /Total Depth	14.5'	14.01		Elevation of Ground	Surface;		l			, mw-75	,
	Sample	Sample	Blows	(ppm)		Field Descr		Well	Scher	matic	C	ommen	ts
	Interval 0-2,0	No. ≤≤ -1	2	610	Marich				l			up of N.	
	Rec=	1.4'	3	0/1	roots,	deck or silt,	organic rich, R Moist, Résilt	× .49	8	ement	locking	g y"ste	el
			4		trace	f & gravel, og	+Rd+B+441	gravel	Riser	800	pro te	Zhve ca	sing.
	2-4.0'	55-2	5 7	6.0			e Gaportions		Puc		2.0		
	Rec =	0.5	13	, ,,,,	110121	no stit, The	c de bos usus	Bent- onite		Chips	. .		
			18					#00.	2"1.4.	Sand	+3.5°		
•	4-6.0	55-3	21 23	0.1	Maid	ele: LH	e fx sitch.	- 1	=	No'	Į.	, beden	1.20
5	Rec =	2.0'	33	0.1	grave	1: A light Br t	le f X siltstone f sand layar (3/4) Dry.		7		177.6	1 DEDAY	A LOV.
2			39		near 1	tis'. Grades to	Dry.		"slot				
	6-6.4	55-4	44 50/.4°	0.0	1	•	•		10'			# <u>.</u>	
	Rec:	0.2	30/.4	0.0	Some	d m-t & sit	stone gravel,		0			,	
						Ou bar Hara	· ·	1		arvonara.			
€.	8-8,8'	SS -S	.22	0.0	<i>D</i> 1	ol fx = "L	ndan a see l	, , , ,	Sra				
	Rec=	0.81	50/.3'	0,0	777	Gn partiène	stone gravel,	pack	l Q				
						for beginning		, Q.	pue	4			
10	10-10.7'	SS-6	2/	0.0	l المدراها	Rd+Gn m+f	× - 11 /	- 6	0				
	Rec	0.6'	50/.2"	9.0	grave	1.	& SICTSTONE	₹n:	3	,			
] "			, #;	sched	Structuras	1		
	12-12.2	55-7	50/.2'	0.0	habel (ol eillebac	all own Moist	1.7	36		. 55-7	, spoon upon re-	efterior
	Rec:	0.21	/	2000	Gn si	Itstone (0.1).	o.1') over Moist	٠		.,	Wet	upon re	tneval.
			<u> </u>		`			* ^	7	. ,			
	14-14.2'	SS-8	50/.2'	6.0	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	covery		- :		14.0	•		
امح!	Rec=	0.0'		0,40		B.8.8. = 1	14 -1		THE REAL PROPERTY.	e e e e e e e e e e e e e e e e e e e	+145	,	
IS					-	0,0,0, - (t & soudii	İ					
			 		-								
	<u> </u>	<u> </u>	ļ	<u> </u>	-								
					-								
e de la	<u></u>						•						
C		!	<u> </u>	<u> </u>	Soil 5:	graphy Comment	<u> </u>						
					SUI STREET	graphy Summary							
	file d&blog xls r	evised 8/26/96 b	y GG			· · · · · · · · · · · · · · · · · · ·						-1	

	Driller: P-M Inspector: Rig Type: Drilling Me	D'.S CME	stawl 850 A	TV	••	Project Na Project #:_	ka and Bar me: <u>TR</u> oth: <u>41.01</u>		-		s	Boring ID: MW. theet 1 of 3 ocation: central-inde of refuse.	-
		Date Time	Groundwa 1-24-00 - ~12.1	iter Observa		Start (Date of Finish (Date of Weather; 12	8 Time): 12 21 6 8 Time): 1-4-00 21, overcast, N 1, overcast, SW, Ground Surface:	, 13:05 W/6-12,20°F	N	ion Ske		Lif. Ponel	
	Sample Interval	Sample No.	Blows			Field	Description		Well	Schema	atic	Comments	
5					No sa	mpling () to 20'.		sentonite grost	steel pipe		stick-up of 23' locking cover	w
/5					Soil Strat	igraphy Sumn	nary		cement-b	4":.3.		17, harder d begins and cor to 20'.	to the best of the second
S		revised 8/26/96 I	by GG		Soil Strat	igraphy Sumn	nary		***************************************		TEMPINE DE		_

1	Driller:					Dvirka and Bartilucci	Bo	ring	Log		Boring ID :셔써-권
	Inspector:		· · · · · · · · · · · · · · · · · · ·		_	Project Name: Trimmed	<u> </u>)))))	L.F.		Sheet <u>2</u> of <u>3</u>
l	Rig Type:_				_	Project #: 1701					Location:
.	Drilling M e	ethod:		· · · · · · · · · · · · · · · · · · ·		Boring Depth: 41.0					
أ			Groundwa	ter Observa	tions	Start (Date & Time):		_oca	tion Si	cetcl	n:
		Date	-			Finish (Date & Time):	_				
		Time				Weather:	-				
	Casing	DTW Total Depth/			ļ	Elevation of Ground Surface:	-				
F	Sample	Sample		(ppm)	1						
	Interval	No.	Blows	PID		Field Description		Well	Schem	natic	Comments
į	20-21.5	55-1	4 <u>2</u> 32	0.1	Moist,	Pd silt, some m-f & to sub 1, trace c-f sand	00	5		Z.,	
ŀ	Rec=	0.7'	46		Jiave	1, Trace C-T Sand		group	©		
İ									. 9-		
-	22-22.2'	<u> </u>	50/.2'	0.0	No re	ecovery.		ode	-		
-	Rec:	0.0'			1	Ą		-bentoarte	4": d. steel pripe		
]			7-	N		post 55-3, anger to
	24-243'	55-3 0,3'	50/.3'	0,0	Dry,	Rb silt and f & siltston	e	cement			post 45-3, anger to 26' and growt 4" pipe . Stop for day
1	RIC=	0.7.			gráve	51.		e C	7	1.75 1.75 1.75	pipe , Stop tor gay
					4					26.	Start c-1 at 10:55
	26,0-30.0	C-1	HX	6.0	Pd si	iltstone, trace Gn pertion	ks,				
ļ	Rec =	3.55° 2.8°	79%		2" G1	iltstone, trace Gn perfusion a layer 1' from bottom of ery, highly fractured lower	,,				.
	Barel Tay Tay	2.10	7170		1	and there lower lower	1				ar .
									€Sc²		-
					1				رەرد		-
,					1				ž.		
'	35,0-35.01		HX	0.0	RJ S	siltsfore, little Gn porto ly fractured near 33-34	**		ĭ		
	Rec =	3.11	63%		I moh	ly tractured near 33-34	*		1	<u> </u>	C-2, coring rate 3 min/fit.
	RWD-	3.4	6370		1	•			-		2 m m/f+,
									191		-
			1	<u> </u>	-			-	1		
	<u> </u>	<u> </u>			1				الاسا		· ·
								5° °-	70 N		
<u> </u>	20. 11. 1	0.2	113/		Jan /	itetus to a Cont	•			-	2. ·
	350-40.0° Rec=	C-3	HX	0.0	Ka s	iltstone, trace Gn portu	ON		Opa.		
	Rase	4.7'	92%	<u> </u>				<u> </u>	O		unear l
						r		and the second	, , ,		190
		ļ			-				∦ \\	- otume	ations .
	 	 			4			a	\sim		
]			Basin Malamanana.		Sandt Sandt	aun.
				ļ	-			NOTECHDIA 1		-	shell-
. •		<u> </u>		!	Soil Start	tionable Samman		1	<u> </u>	k	•
					SOII SURI	ligraphy Summary					
	file ris bloo vie r	evised 8/26/96 b	v GG								
	CHE COLINO NA II		,								

Date Time DTW Otal Depth Sample No. C-4 1.0' 0.85'	Blows H-X 85%	(ppm) PID 0.0		Finish (Date & Weather: Elevation of Gro Field Do	escription		Well	Schematic	Cor	mments
Sample No. C-4 I-O'	НХ	PID	Rd+Gn fossils	Field Do	escription Wt calcan	6001	1		\$	nments
No. C-4 1.0'	НХ	PID	RI+GA Fossils	siltstone, in tip.	Wt calcar	eou!	1		\$	mments
1.0'		0.0	Rd+Gn fossils	Company of the Compan	CONTRACTOR OF THE PARTY OF THE	eou!		Rock == Hole ==		
			i					,	ا مازاز	
					,		The state of the s			
				Soil Strat	Soil Stratigraphy Summary	Soil Stratigraphy Summary	Soil Stratigraphy Summary	Soil Stratigraphy Summary	Soil Stratigraphy Summary	Soil Stratigraphy Summary

	Driller: 🧗	-W/3.lea	cy, I. Ha.	umind	_	Dvirka and Bartilucci			Boring ID : MW-85
	Inspector;				_	Project Name: TRIMMER &	oad LiFi		Sheet <u> </u>
	Rig Type:	CME	14 028	<u> </u>	_	Project #: 1701			Location: NW of NW
٠,,;	Drilling Me	ethod: <u>47</u>	l4"i.d. нs	As	_	Boring Depth: 14.5			corner of refuse
÷rentij Vi			Groundwa	ater Observa		Start (Date & Time): 12-30-97 , 10=20	H	ketch	1: N-45
		Date		11-24-60		Finish (Date & Time): 12-30-99, 12-15	-	•	[Pond]
		Time DTW		10.81		Weather: 12-30, M, Cloudy, NW/5-35,3			LF.
	Casing	/Total Depth		14.0'	<u> </u>	Elevation of Ground Surface:	• <u> </u>		
	Sample	Sample				Field Description	Well Sche	matic	Comments
	Interval	No.]	<u> </u>	ΙΛ			1 :	
•			 		Huger	- to 14.5" Wort sampling. og for adjacent MW-85.	ا ا	cement	stick-up of ~3 w/ locking 4" steel protective easing.
					ا عود ا	od to volución Marati	grave/ MIX Riser	8	protective easing.
							Boot 3	0	2.0
							Bent-1 a	chips	
			 	 			100	Sard	3,0'
					1		. 2		3,5'
]		=	4,0	,
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							Pack		
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					Soll Strati	graphy Summary			
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	file osbiog xis n	evised 8/26/96 b	y GG	-					

	Driller: P	-W/J. Pero	cy, J. Ka	mmone	_	Dvirka a	nd Bartilucc	i Bo	ring	Log		Boring ID : MW-8	D
	Inspector:	<u> </u>	fahl		_	Project Name: _	TRIMMER	- Ro	ad	Lif.		Sheet 1 of 2	
	Rig Type:	CME	ESO AT	V	_	Project #:	170	01				Location: NW of NW	
**:	Driffing Me	ethod: <u>Y'</u>	14" id. HS	As, HXC	re	Boring Depth:	35.0'					corner of refuse	-
		Date Time	Groundwa 12:29:99 14:50	1-24-00		Finish (Date & Time):12:29:99, 14:2; e):12:30:99, 10: vercast, 5w/0-2, 2	<u>/o</u>		tion Sk	etch MW-	1: ED	
		DTW	dry	~2.7'			Sun, NW/5-15,4			4		LF.	
	Casing	/Total Depth	10.3'	35.0'		Elevation of Ground				<u> </u>	L		
	Sample Interval	Sample No.	Blows	(PPM) PID		Field Desci			Wel	Schem	atic	Comments	
	0-2,01	55-1	WoH	0.0	Wetido	wk Br silty o	raanic rich, v	००ई					
	Rec:	1.0"	2 4		(0.7) D Sand, U	ark Br silf, o ver Moist, Rd. 11+BK+RJ+WH	bt silt, trac mottling,	79.	0,000				
	2-4.0	SS-2	5	0 -	·~	01 111	C 1(v)	. 1					
	Rec=	0.7	3 6	0.0	gravel	, Rd silt trains I A dark Gy I in tip, trac	ce + subgro	SUPP					
			12		C san	In tip trace	e Gen portion	. 2 M C					
•			18	1	1								
	4-5.5° Rec =	55-3 0.5'	15	0,0	Moist,	Rd silt trace) seams, trac	e + Sandas-	thin				55-3, beforde 4	. -/
5	13,000	69.3	34 So		- S. 16) Alams, Trac	e dark Gy n	ound			Second Second	3- 3, 90000	
			O.		Siltsta	ne growel in	tio. may				ATTENDED TO STATE OF THE STATE	a a	
	6-7.7'	55-4	22	0.1	Moist.	Rd Silt Som	_ m-fx cill	Stone			Contactor.		
	Rec =	0.6	34 29	 	gravel,	trace an pe	i enoitre	**	1		arceller control	SS-4, spoon bour at end, exteri wet upon retri	ices of
(50/.2"		-				#	¥	September 1	wet upon retri	eva
,	8-8.3'	SS- <u>5</u>	50/.3'	0.0	Dry. 6	ed sill and.	f & siltetone	2	grout	P. P.	WATER TO		
	Rec:	0.3'	,		grave	ed silt and.			(3)	6	t-reference		٦
				-	-				7.5	steel		Cost SS-6, auge	u F
lo	10-10.3'	55-6	50/.3'	0.0	Don G	en fà sillet	mo avaselil	H6	101	3	AND THE PARTY OF T	20' and grout pipe. Stop for a	lay
	Rec:	0.2	l		Jsi# -	trace Rd per	tions?	168 000	Š	`	Secretification of	Start C-1 at 08	THE DOUBLE OF THE
				-	-	in f} siltste trace fd por	-		acades:	, o	Several constant of the second	on 12-30-99,	
					1				ement	1,	Section of the leading of the lead of the		
]				4	4	CIDA CORCO		
				ļ	_						est Minimum		
	<u> </u>	 	-		1						and state of		
سرا				 	1						The state of the s		
15											and the second		
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٠.			· · · · · · · · · · · · · · · · · · ·		Soil Strati	graphy Summary							
						- · · · · · · · · · · · · · · · · · · ·							
	file d&blog.xis r	evised 8/26/96 b	y GG										

J			·	_	Dvirka and Bartilucci		Boring ID : শুর্থ-গ্রহ
Inspector:_	<u> </u>	· · · · · · · · · · · · · · · · · · ·	<u></u>	••	Project Name: Teimmer	Road L.F.	Sheet 2 of 2
Rig Type:_		····		_	Project #: 1701	<u> </u>	Location:
Drilling Me	thod:			_	Boring Depth: 35.0'		
	Date Time	Groundwa	ter Observa	ations	Start (Date & Time): Finish (Date & Time): Weather:	Location Sk	etch:
	DTW				71 041.101.	_	
Casing/	Total Depth				Elevation of Ground Surface:		
Sample Interval	Sample No.	Blows	GID (blue)		Field Description	Well Schem	atic Comments
20.0-24.5	C-1	НХ	0,0	Rd Si	Itstone, trace Gn portions fractured in places	, ==	20.0 C-1. Com ha vat
Rec: ROD	4.4' 2.95'	67%		mighty	tractured in places'		== C+, coming rate == = 3 min / H+
		2170					
1							
							Westers (construction)
							Arraf Assertance Community
]		2	
24.5-29.5"	C-2	HX	0.0	IRd si	Historie, trace Gn portion	5. 3	
Rec: Rad=	3.15'	64%		1		- 4	
N. C. D.	<u> </u>	<i>\O</i>] / \$		1			
]			
	· · · · · · · · · · · · · · · · · · ·			-		F. F.	
	· · · · · · · · · · · · · · · · · · ·			1		- 4	-, -
]		- 1 % 3 %	
00/2	^ 3	0 8 8 4		٠ مها	4.1 1 / 1 .		
29.5-54.5 Rec:	C-3	HX	0.0	4.9 50	History, trace an portion	5, 8	- 13, uning nat
Red=	4.8'	100%		1		1	= 3.5 min/ft
]		3,75	
				4			
		 		-	·	NATURE REPORT	MINISTER CONT.
						NI ON	****
34.5- <i>35.</i> 0"	C-4	ΗX	0.0	b1 -	Holina	7.	th. me
ROC =	0.6	T JT J	シャン	Ka	14stone B.O.B. = 35.0'	201 184	35.0
KOD=	0.6'	100%]	5.U15. " 33.0"		
	· · · · · · · · · · · · · · · · · · ·			-			
				-			
				1			
]			
				-	•		
		L	<u> </u>				
i				Soil Strati	graphy Summary		

	Driller: 1 Inspector: Rig Type:	D.S CME	tall 850 AT	V	.	Dvirka and Bartilucci Be Project Name: Trimmer R Project#: 1701			Sheet /	Jof N
ڊ ڊينڙين	Drilling Me	ethod: <u>서</u> /	4" i.d. HS	As	-	Boring Depth: 14.5'			side of	retuse
`` .	Casing	Date Time DTW /Total Depth	12-28-99 15:00 dry	1-24-00 		Start (Date & Time): 12-28-99, 14:30 Finish (Date & Time): 12-28-99, 15-50 Weather: 12-28, overcest, sw/8-15, 20°F Elevation of Ground Surface:		on Sketc	h: Mu-	95 [Pond]
	Sample Interval	Sample No.	Blows			Field Description	Well S	Schematic	Con	nments
5		No.			Auger See l	to 14.5 Wort sampling. og for adjacent MW-9D.	Mix grave	"56t 1 2".d. PVC Riser	Stick-up locking profects 2.0' 3.0' 3.5'	of ~3' w/ 4" steel ve casing.
(,							pack	Sefeen, 0.01	ď.	
10							Lves. 0 #	112"1.6, Sched. 40 PUK		•
15						B, o. B. = 14.5'		Abit Abit Conversions		
					1					
	flie câblog x's re	:vised 8/26/96 b	y 6 G		Soil Stratig	graphy Summary				

	Driller: <u>P</u> Inspector: Rig Type:	D.S CME	Stahl 850 ATV	, ,	- -	Project Name: Project #:	1701		_		Boring ID: MW-9D Sheet of Location: N of N
5.5	Drilling Me	ethod: <u>47</u>	ri, g HRUP?	4"isint	HXGR	Boring Depth: 39	<u>·5′</u>				side of retuse
	Casing Sample Interval	Date Time DTW /Total Depth Sample No.	Groundwa 12 · 16 · 99 10 · 50 ~1.3' 6.3'	12-16-91 15:20 ~0.5' 20.0' (ppm) PID	1.24.00 -		12-29-99, 11:40 Cloudy, 5/4-8, 35°F loudy, wsw/2-6, 20°F rface:		schem		L.f. Rand
	0-2,0	55-1	6	0.6	Moist.	Br Wood Fragmen	₹s .				stick-up of ~3' w/
	Rec = 2-410'	0.2°	1 3	3.6	,	Rd silt, little f (Rd, Gn, O1), trace tling.					locking cover- SS-1, no reaction to He! SS-2, bedrock 2.0.
	Rec= 4-60 Rec=	55-3 1-2 ¹	5 6 11 8 20	1.9	1	Rd silt, little (Rd+Gr), trace					SS-Z-thru SS-6, String reaction to Acl.
ŗ	6-6.3' Rec=	55-4 0.2'	32 41 50/.3'	1.2		Rd silt, f & s c-f sand.		grout	ora,		drilling Oto 15' is by means of 4"
4 , :	8-8.7' Rec:	కు-5 ల.క '	26 50/21		grave	·		entanite gr	stell pipe		flush joint casing.
	10-10.2' Rec =	55-6 0.2'	50/.2			Rd m-fx sill sill, trace G	•	nent-b	·P'',"A	and the delication of the same	
	12-12.2' Rec:	0.2.	50/-2'			, Rd m.f & sil Silt, trace 6)		Barra sayona tana damana katawa manana	
	14-14.2° Rec =	55-8 0.2'	50/2'	0.1	Morst trace	, Rd fx silts silt, trace i Hstone, trace	toke gravel, En portions			SI (INTERIOR DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA C	
	15-20.0' Rec=	C-1	HX	0.0	89 2	illstone, trace	& Grapartions	}	·	Skopen Sk	post c-1, pull 5'
	RQD=	3.4'	68%							AND THE TREE THE PROPERTY OF T	of casing to 10. Stop for day. 12-2899, auger 0 to 24.5' after pulling 4" casing and grout 4" pipe at 24.5' stop for day.
]					erecorniste com	10:00 on 12-29.99, start C-2,
		<u>L</u>	1		Soil Strati	graphy Summary			<u>. </u>	-	1
	file a&blac xis n	evised 8/26/96 b	, ee								

Driller:	·			_	Dvirka and Bartilucci B	oring	Log		Boring ID : MW
Inspector	'			-	Project Name: TRimmer	Koad	(L.F.		Sheet 2 of 2
					Project # 1701				Location:
	ethod:				Boring Depth: 39-5'				
		Groundwat	er Observa	itions	Start (Date & Time):	Loca	tion SI	ketch	n:
	Date				Finish (Date & Time):				
	Time				Weather:	1			
	· DTW		·						
Casing	g/Total Depth				Elevation of Ground Surface:				
Sample Interval	Sample No.	Blows			Field Description	Wel	l Schem	natic	Comments
						ち		1	
						cement-bentonite grout	0	¥.	
	ļ					भंद्र	ā		
				}		اق	3	and the same of th	
				1		الْجُو	-6		1
			·	}			W3		
	 	-	 	1		13 E	4":1. steel pipe]
<u> </u>	1	 		1		9	7		245
24.5-25,0		HX	0,0	Rds	iltstone				1
25,0-30,0		HX	0.0	R4	silfstone, w/ 4 green leyers ~1" thick, some fractules.				0.4 or 100%.
Rec=		0.16.3		each	~1" thick, some fractures.				
RQO=	7.1'	84%		-					1
				-			~.		
	1			1		_	Core		-
				1	•		Ü		
				1			X	×	
]			-	-	
				↓		-	ATTACAGA A		
30.0-35.0	C-4	HX	0.0	1 Rd	siltstone, trace Gn portions .55' vertical fracture at top ecovery. Other fractured		0	i i	2-4, coning 17 = 3 min/At.
Rec =	4.9'			۱Ÿ ه	.55' vertical tracture at top		416	*** *	7 = 3 = 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
ROD=	3.65	15%		of C	ecovery. Uther tractured	W Wr		****	
	 			Port	DN2	and the second second	1		
	 	 		1			Rock	-	
	 	 	<u> </u>	1			Ř.	-	-
	1		·	1				-	
							o Ser	-	-
					SAR I	<u> </u>		-	
35,0-39,5		HX	0.0	J Rd	siltstone, trace Gn portions	,	12		- <u> </u>
Rec=	4,41	A = A I		4	ŗ		m	-	-
SOD =	4.1'	93%		4		-		Ţ	
<u> </u>				-		N. 4.			
	+	 		-1		·		-	my
<u> </u>	 			1				-	-
	 	-		1		-	-		-
				1	HESSYLES WELL AND AND AND AND AND AND AND AND AND AND	1==		-	39.5
					B.o.B. = 39.51				767
				Soil Str	atigraphy Summary				
							_		
fije aknina vla	revised 8/26/96 N	v GG		*******					
file assing x's	revised 8/26/96 b	y GG							

	Driller: P- Inspector: Rig Type: Drilling Me	CME	850 A* 1'/4" i.d. Groundwa 12.28.99 07:20 ~5.7'	TV HSAs ter Observa 1-24-00		Proj Bori Star Fini We	Dvirka and Bartilucci Borect Name:	Roa Locat	d L	F.	Boring ID: MW-125 Sheet of Location: N of pond : 6 MW-105 F Pond
	Sample Interval	Sample No.	Blows				Field Description	Well	Schem	natic	Comments
5					Auger See	to	15.5' Wort sampling. For adjacent MW-10D.	Bert- onite	0.01 "/st 2": 1. PVC Riser	Sand 4,0	stick-up of ~3'w locking "t" steel protective casing -2.0' -3.0'
(sand pack	C Se Cab		
								0#、、	, 2": d. sched.		
							B.O.B. = 15.5'		and the second		1
· Ç	file at a constant	revised 8/26/96 (by GG		Soil Strat	tigraph	y Summary				

	Driller: <u>P</u> -v	u/J. Percu	I, J. Ham	mond	- 	Dvirka and Bartilucci Bo	oring	Log		Boring ID : MW-10→
	Inspector:					Project Name: Rimmer	Roac	L.F.	_	Sheet 1 of 2
			850 AT		-	Project #:(701				Location: Nof
: : در رو	Drilling Me	ethod: <u>41/4</u>	". L. HSA	s, HXC	ore	Boring Depth: 32.5'			-	pond
			0.00.00	iter Observa		Start (Date & Time): 12-23-99, 11:05	Loca	ation Ske	tch	: • WM-10D
		Date Time	11:30	1-29-00		Finish (Date & Time): 12-27-99, 15:10 Weather: 12-23, overcast SW/2-8, 25°F		1	-	[Pond]
		DTW	254	~1.51		12.27, C. Sun, MW/1-5, 25°F	é	1	L	F.
	Casing	/Total Depth		32.5		Elevation of Ground Surface:		l į	post de la compansión de la compansión de la compansión de la compansión de la compansión de la compansión de	
;	Sample Interval	Sample No.	Blows	(ppm) PID		Field Description	Wel	l Schema	atic	Comments
	0-2,01	55-1	WoH	0.0	Moist,	dark Brsilt, organic rich,	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			stick-up of ~3° w/ locking cover
	Rec=	0.6'	3		roots, Sandsto	dark Br silf, organic rich, leaves (0.4') over yl-Br m & one gravel (0.1') over moist, Rd the c-f round sand including				
			5		silt li	ttle c-f round sand including by clasts.				cobbly drilling
	2-4.0	55-2	15	0.0	Moist.	Br-Rd silt, little f sand, little subo gravel.		20,440,87		Co many
	Rece	2.0'	19 23		F > 40	subo gravel."			·	
		· · · · · · · · · · · · · · · · · · ·	34						` '	SC-2 rects W/
	4-5.5'	55-3	15	0.0	Moist,	light Rd-Br silt, little f sand m-f & to Subo gravel, trace		G TEAR	•	SS-2, reacts w/ HCI strongly
5	RRC:	0.8'	39		little	m-f & to Subo gravel, trace				,
			_55		clasts.	ubo sand, including dark by				
	6-7.9'	55-4	13	0.1	Moist	, light Pd-B- silt, little franc	grout			95-4, bedrock 7!
	Rec=	1.5'	17		little	m-f & to subo gravel, trace	2	n.i		spoon bounces at
(50/.4"		clasts	, light Rd-Br silt, little fraud m-f & to subo gravel, trace sub o sand, including dark by (0.6) over Moist, Rd siltstone, Em portions (0.9).		9.0		end of drive.
	8-8.4'	22-2	50/.4	٥٠٥	1 × 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	& SITT and T & SITTSTORE	, v			61 5 po to 41
	Rec =	0.1'			gravel	, trace an portions.	entoni	steel		35-5, reacts w/
10					<u> </u>		1	Š		
10	10-10,4"	<u> 55-6</u>	50/.4'	0.0	No 4	ecovery	200	9		
	REC=	0'Q,	-				cemen	H";"		,
			,]		1.			post 55-7, auger
	12-12.2' Rec=	55.7	50/.2'	0.0	D12 8	2d + Gn f à siltstone grave, silt,		VIII VIII VIII VIII VIII VIII VIII VII		post SS-7, auger to 17.5° and grout y" pipe. Stop for dev
	Kec -	0,2	ļ		1/11/6	31181				day pipe, Stop for
								e suppression of the supersion of the suppression o		13=18, Start C-1
					-	•		A STATE OF S		ON 12.27.99
15]				1	
								and the second s	100 Per 100 Per 100 Per 100 Per 100 Per 100 Per 100 Per 100 Per 100 Per 100 Per 100 Per 100 Per 100 Per 100 Per	
					1			ACCORDING TO THE PERSON AND THE PERS	181	_
					1	, us		eta-fromester	17	C-Greating rate=
	17.5-19.5"	C-1	НХ	0.0	Rd si	Historie, little Gn portions, ured near 18.0.		45	-17,5	C-lycoping rate = 3 min At.
	Rec =	1.9'	100%	 	नास्ट्र	ured hear 18.0'.		Rock 3,75"		-
٠٠.		1 2 4	100/0			,	-	Doen Hole		
1	19,5-24,5	C-2	ΗX	0,0	Rd si	Hstone, little Ga portions		104		-
					Soil Stratig	graphy Summary				•
	file s&blog xis re	vised 8/26/96 b	y G G							

	Inspector: Rig Type:	Date Time DTW			•	Dvirka and Bartilucci B Project Name: Tervamev Project #: 170 Boring Depth: 32.5' Start (Date & Time): Finish (Date & Time): Weather:	Road		Boring ID: MW-10] Sheet _ Z_ of _ Z_ Location: h:
	Sample	/Total Depth Sample	Blows	(ppm)		Elevation of Ground Surface: Field Description	Well	Schematic	Comments
	interval Reca RAD=	No. 4,9' 4.6'	94%	PID		Tiola Description	The second secon	H Core	
75	24.5-29.5° Rec = Rad =	C-3 5.0' 4.4'	HX 88%	0.0	EJ s highl	iltstone, trace Gn portions y fractured in places.	Secretaria de la constanta de	Rock Hole on H	
•							The state of the s	3,75" open	
30	29.5-32.5' Recz RQD=	3.1'	HX 100%	6.0	RE S	iltstone, trace an portion.	S	S. S.	
						B.o.B.=32.5'			32,5'
35									
<u> </u>		revised 8/26/96 b			Soil Strat	igraphy Summary		· · · · · · · · · · · · · · · · · · ·	

•	Driller:	2-W/J. Per	rcy J.H	ammon		Dvirka and Bartilucci B	oring l	Log		Borin	ig ID : [2-1
	Inspector:	<u>, p</u> .	<u>Stahl</u>		_	Project Name: Teimmer	Soci	L.F.		Sheet _	1 of 2
	Rig Type:				_	Project #:170				Location	: center
. Shi	Drilling Me	ethod: _ 닉	1/4": 1.	ts4s	_	Boring Depth: 23.2				of	refise
			Groundwa	ater Observa	itions	Start (Date & Time): 1-5-00, 11:10	Locati	on S	ketcl	1:	
		Date	1-24-00			Finish (Date & Time): 1-5-00, 12-20	<i>1</i>	I	(L.F.	[Pond]
		Time				Weather: M.Clovey, NW/5-15,25°F		P		PZ-1	
		DTW	210.5						and the second	·	أ
		/Total Depth	23′			Elevation of Ground Surface:	<u> </u>		<u></u>		
	Sample Interval	Sample No.	Blows	(ppm) PID		Field Description	Well S	Schen	natic	l	Comments
					No sa	empling before 23!			ř.	Stick	-up of ~3' w/ ng 4" Steel ective casing,
						•	٠٠٪			Death	g 4" Steel
							gravel mix		cement	7.010	Cited Constitution
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1							a,-	Cx	- 1		
					Soil Stratig	graphy Summary					
	file o&blog xis re	evised 8/26/96 by	· GG	_							

إ شرك من	Inspector: Rig Type:	ethod:	·	· · · · · · · · · · · · · · · · · · ·	- -	Project Name: TRIMMER Project #: 170 Boring Depth: 23.2	Road			Boring ID : <u>PZ-/</u> Sheet <u>2</u> of <u>2</u> Location:
		Date Time DTW		ater Observa	itions	Start (Date & Time): Finish (Date & Time): Weather:	_ Loc	ation S	iketcl	1:
	Sample		Blows	(ppm)		Elevation of Ground Surface: Field Description	10/6	ell Sche	matic	Comments
25		No	\$0/.2'	0.0	RJ	silt and f & siltstone gra B.O.B. = 23.2'	#O Som Jack	".'d. Sed	23,0	harder drilling Sterring at 2215
35					Soil Stra	tigraphy Summary				

	Driller:_P	-W/J, Perc	y J. Han	nmond		Dvirka and Bartilucci Bo				Boring ID : <u>[2-2</u>	
	Inspector;		stahl		_	Project Name: TRimmer	Road	LF.	- 1	Sheet of	
	Rig Type:				-	Project #: 1701				Location: NN corner	
ا أو الأرابي	Drilling Me	ethod: <u>4</u>	14" id. H	SAr	_	Boring Depth: 15.01				of refuse	
No. o				ter Observ	ations	Start (Date & Time): 1-5-06, 14:40	Locat	ion Sk	etch	1:	٦
		Date	1-24-00		<u> </u>	Finish (Date & Time): 1-5-00 , 15:25	N A	-	ا د	· (Pand)	
		Time DTW	~7.2	·	<u> </u>	Weather: M. Cloudy, NW/5-15, 25°F	1	PZ			
	Casing	/Total Depth			 	Elevation of Ground Surface:	,			LIFI	
	Sample	Sample	Blows	· · · · · · · · · · · · · · · · · · ·			384.31	O-1			╗
	interval	No.	DIOWS			Field Description	vveii	Schem		Comments	
					No sa	mpling before 14'.		The state of the s		stick-up of n3'w, locking 4" steel protective casino	
							,	e e		protective casing)
		a					41.4	RISA	· Jan	F ***	
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							1.8	pw.	ء ر ۽	harder drilling	
]		0:		* **	harder drilling Starting at 13.5	->
	14-15,01	5S-1	21	0.0	Mich	elatalexalla	·#.	-25	14.01		
0.000	Qec=	0.9'	29	0.0	grevel	ed sitt and fix sitts tone, trace on portions.	()	14	16 1		
15						B.O.B. = 15.0'	ļ	Para State Control of the Control of	-	- 15.0	
						27,0,0,					
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6					<u> </u>		<u>L</u>				
					Soil Stratig	raphy Summary		·			
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	file c&blog x's re	HISEL DIZUISO DY	99								

	Driller: 7- Inspector: Rig Type: Drilling Me	D.S CME	Stahl 850 AT "4" i.d. Groundwa 1-24-00 	V HSAs	-	Project Name:	Rimmer 1701 -00,13:50 -00,14:25 45-15,25°F		Location: NE Corner of refuse
	Sample Interval	Sample No.	Blows	(ppm) PID		Field Description		Well Schema	atic Comments
5					No sav	mpling before 8%	1.6	# O Sand pockteodopse 35 mix	stick-op of ~3' w/ steel protective casing. hops 20' havder drilling starting at 7.5'
(8-9.0° Rec=	55-) 0,7'	21	0.0	Moist	, Rd sitt, trace	e-fsand from including	7	3.5
lo						B.6.B. = 9.0'			tangung sa 9,5
	file säblog xis ie	vised 8/26/96 by	GS		Soil Stratig	raphy Summary			

	Inspector	-W/J.Per D. CME	Stahl	<u> </u>	_	Dvirka and Bartilucci B	Roac	Log	Boring ID: 92-4
40 S		ethod: <u></u>			-	Project #: 170 Boring Depth: 12.0'	<i>!</i>		Location: Eside of refuse
۱, ۵	0	Date Time DTW	1-24.00 	ater Observi	ations	Start (Date & Time): 1-5-00, 12:55 Finish (Date & Time): 1-5-00, 13:35 Weather: M.Claudy, NW/5-15, 25°F	Loca		h: L.F. Powl) PZ4
	Sample	/Total Depth Sample	11.5' Blows	(FPM) PID		Elevation of Ground Surface:			
	Interval	No.	Diows	PID	No sa	Field Description	Well	Schematic	<u> </u>
5)I-12.0 [†] Rec=	\$5-1 0.8'	7 17	0.0		H, little f & siltstone grave. Gn. portions B.O.B. = 12,0'	it to said pack tollage its gravel mix	The selection of the School of Street to pur Riser	stick-up of 23' w/ locking 4" steel protective casing. -4.0! -5.0' harder drilling starting at 10.5' -18.0'
					Soil Stratigra	aphy Summary			
fı	ile ošbiog xis revi	sed 8/26/96 by G	G						

Driller: PACAE Inspector: TM Rig Type: 4/4" H: Drilling Method:	agida	poon thend	Dvirka and Bartilucci Bor Project Name: <u>Tarmaer Re</u> Project #: <u> </u>		Boring ID : <u>MW</u> - (Sheet of Location:
Date Time DTW Casing/Total Depte Sample Sample Interval No.	0.86 395		Start (Date & Time): 1メタンの4 1127 Finish (Date & Time): 1タタンタ 1329 Weather: Cloudy, Temp 340月 Light Rain Elevation of Ground Surface: N/A Field Description	Location Ske	A
3-4 (130) 1.6 4-6 (137) 1.6 3-16 (202) 0.9 7 7244 50/	WOH	Bican Red And And And And And And And And And An	lay of High organic contents es, would, Roots) Saturated SIT of Trace Clay SIT Over Red SIT of SITT Damp with F-C Lan SITSTONE Fragments Let to 8' without Pling SIT (0.5) Elepp over SITSTONE IN TIP EN SITSTONE IN TIP SEL TO 13,2 without Appling Del To 13,2 without Appling	2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Ponded leater IN Area of well (COS) acil completed with 4"10 steel Stick up + locking CAP, STellic up 3.5 above grade Bedrock at 3,20' BS S On 11mg 8,9 To13,2

	Inspector: Ria Type:	J MA	850 HSA 21		Ts Paole	Project Nam Project #: Boring Depti	and Barti e: <u>Tr. i </u>	uer Roa	ad	LT				}	12
	Casing Sample	Date Time DTW /Total Depth Sample	12/2404 1304 11.6	ለ ያ\$ <i>ለ</i> ያ\$		Finish (Date & Weather: <u>C/</u>	Time): 12/32/ ouly Te.	104 1126 mp 34°F	Loc	ation		J/A			, #.
	Interval	No. 0919	Blows	Eppm	Ba ala		escription	,, <u>,,</u>	Well	Schei	Q	Complete	ments יליש לא		
1 2 3 4 5 6 7 8 7 10 13 13 14 15 16 17 18 19	3-4 4-C 6-8	1.6' 0921 1.3' 0940 0.3' 18 40 15 50/.3'	2 4 4 5 73 14 15 1 0946 1.3'	0.0	Red/ONY COM Brown Red Red Red Red Auger	RUSTY SILL RUSTY SILL	rithout S	mp ITSTORE TUFF) Sampling	- # Sand Anck 13.35-1.35 By Sand 1.35-1.0	350.00	10-510T Sancon 1335,35 AC RISER TO 0.0 CEMENTO,	Complete 4" ID ST 4 locking 9 rade grade No odo STAINI	seel stap	ick St.d	
20	Soil Stratigra	aphy Summa	ry								· · ·				-

Driller: Parcall Inspector: J Me Rig Type: Dicdard Drilling Method: 7/4 14016	agda CH D-	90 AT	Proje	Dvirka and Barti ect Name: <u>Toum</u> ect #: 2273 ng Depth: <u>14.75</u>				Boring ID: MW Sheet / of / Location:
Date	12/21/04 1436 5.10	595	Finis Wea	ther: Cloudy Ten A Calm ther: Cloudy Ten A Calm tion of Ground Surface:	<u>/04</u> /230 <u> </u>	Loc	•	
Sample Sample Interval Ne.		PiD		Field Description	N/A_	Well	Schematic	Comments
2-4 /10.05 2-4 /10.05 3-10 / 10.51 1.61 1/23' 0.3	50/.4		Rusty Rez Rusty Rez Any TAN/Gree Rusty Red Fragments Augento Rusty Red Esaturate Ry Red S Augenty Ry Red S Augenty Samping	AY W ORGANIC AVES, WOOD) W WITTER CIA; L SITT DAY EN SITT DAY 2 SITT ANGUIT SUPERTY SITT ANGUIT SITT ANGUIT SITT ANGUIT SITT ANGUIT ON WITHOUT STONE DAMP	DAMP Clay +SIIT VIANF-C SIITSTONE NPLING	# # # # 10-0.0 3.0-1.5 # sand 1,0-0.0	10-5707 Screen 14,75 - 4,75 1,5-1,0 Bentowite	Completed W 4 "I.D. Ste Stick up + locking cap stick up 4 L J. Jahove Grade Bedrock at

Date Time DTW	Ag() A - \$50 1 H \$ A 2 2 2 MET W CAT Groundwater Ob 1/22/04 1/53 & 1.61 Bg 6	Project Name: Tolmmen Project Name: Tolmmen Project #: 2273 Spirtspee Boring Depth: 15.3 Each Start (Date & Time): 14/24/04 7 Finish (Date & Time): 14/24/04 7 Weather: Cloudy Rain/Su Temp 340F wind Colm	ROAD LF sh	oring ID: MU eet of cation: N/A h:
Casing/Total Dept Sample Sample Interval No.		Elevation of Ground Surface: N/A Field Description	Well Schematic	Commente
8-10 / 1430 0-2 / 1359 1.3' 1.3'		(O.4) Brown ClaywHigh organic contentitiones will Roots) over 1.2 Red Silt of Trace clay saturated Red Silt Trace clay Saturated (1.0) over Red Silt store Damp(3) Auger to 8' without Sampling (O.2) Green Siltstone over (O.2) Red Siltstone over Sampling Red Siltstone Red Siltstone Red Siltstone Red Siltstone	2,43_3,0 Assibute 3,0-1,5 	edrock AT a Bgs well complete inth 4"10 Sta rade P 2 B Above rade

APPENDIX C WELL CONSTRUCTION LOGS



Site Trimmer Road LF

Job No. 2273 Well No. MW-//

Date Installed 12/22/04

Total Depth 15/6' Surface Elevation 376.63 Top Riser Elevation 379.54

Water Levels (Depth, Date, Time) 0,86/12/22/04/1601

Slot Size 10

Screen Protective Casing

Dia. 2" IO Material PVC Length 5.16"
Dia. 2" IO Material PVC Length 10"
Dia. 4" IO Material 5Tee1 Length 4"

SCHEMATIC

3.21' Protective Casing Stickup

2.91 Riser Stickup

Ground Surface

O. 75 Bottom Surface Seal

Surface Seal Type Quick-CreTe

Grout Type <u>ENVIRO-Plug</u>
BENTONITE Chips

Seal Type Enviro-Plug BeNTONITE Chips

Sand Pack Type US Silica Size

0.75 Top Seal

/, 25 Top Sand Pack

2.25 Top Screen

12.35 Bottom Screen

13.2' Total Depth of Boring



Site Taimmer Road LF

Job No. 2273 Well No. MW-12

Total Depth 15.29 Surface Elevation 374.51 Top Riser Elevation 376.45

Water Levels (Depth, Date, Time) /16/12/22/04/1304

Date Installed 12/22/04

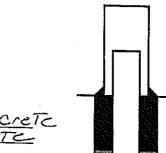
Riser Screen

Protective Casing

Material PVC
Material PVC
Material STec/

Length <u>5.29</u> / Length / O /

SCHEMATIC



2.3/ Protective Casing Stickup

1.94 Riser Stickup

Ground Surface

O.5' Bottom Surface Seal

Surface Seal Type Ouick -CreTc
ConcreTe

Grout Type ENVIRO-Plug

Seal Type ENVICOPING
BENTONITE CHIPS

Sand Pack Type US Silica Size

O.5' Top Seal 1.0' Top Fine Sand Pack

1.35' Top Sand Pack

3.35 Top Screen

13.35 Bottom Screen

14.4' Total Depth of Boring



Site Trimmer	Road	Landt	<u> </u>
--------------	------	-------	----------

Job No. <u>2273</u>

Well No. <u>MW-/3</u>

Total Depth 17.24 Surface Elevation 363.64 Top Riser Elevation 366.13

Water Levels (Depth, Date, Time) 5.10' 12/21/04 1436

Date Installed /2/21/04

Riser Screen

Surface Seal Type Quick -C

Protective Casing

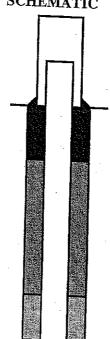
Material Pic_ Material Pic

Material STee

Length 7.24 Length 4.

Slot Size

SCHEMATIC



2.72 Protective Casing Stickup 2.49 Riser Stickup

Ground Surface

1.0 Bottom Surface Seal

Grout Type ENVIRO-Plug BENTONITE Chips

Sand Pack Type ______ Size _____

1.0' Top Seal 1.5' Top Fine Sand Seal

2.0' Top Sand Pack

<u>4.75</u> Top Screen

14.75 Bottom Screen

14.75 Total Depth of Boring



Site Irimmer Road	Landfill	Job No.	2273	William A. Ili
Total Danth 1/ 2 /	Surface Flevation 3			Well No. Mw-14

Surface Elevation 36>38 Top Riser Elevation 369.56 Water Levels (Depth, Date, Time) 1.61, 12/22/04, 1536

Date Installed /2/22/04/

Material PvC Length Screen Material Dive Protective Casing Length Slot Size / O

SCHEMATIC

2.47 Protective Casing Stickup 2.18 Riser Stickup

Ground Surface

1.5 Bottom Surface Seal

Surface Seal Type _______

Grout Type ENVINO-Plug
BENTONITE Chips

Sand Pack Type US Silica Size

/. 5 Top Seal

2.0 Top Fine Sand Seal

2.42 Top Sand Pack

4.42 Top Screen

14.42 Bottom Screen

15.3 Total Depth of Boring

APPENDIX D GEOPHYSICAL SURVEY REPORT

TERRAIN CONDUCTIVITY SURVEY TRIMMER ROAD LANDFILL PARMA, NEW YORK

Prepared for:

Dvirka & Bartilucci Consulting Engineers PO Box 56 5879 Fisher Road E. Syracuse, New York 13057-0056

Prepared by:

Hager-Richter Geoscience, Inc. 8 Industrial Way - D10 Salem, New Hampshire 03079

File 99J43 November, 1999

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0. EXECUTIVE SUMMARY

Hager-Richter Geoscience, Inc. conducted a terrain conductivity survey at the Trimmer Road Landfill, Parma, New York for Dvirka & Bartilucci Consulting Engineers (D&B) in November, 1999. The survey is part of an environmental investigation of the Site conducted by D&B for the New York State Department of Environmental Conservation (NYSDEC).

The Trimmer Road Landfill is an inactive municipal solid waste landfill located in Parma, New York. The landfill is approximately 25 acres in size and is partially covered by dense vegetation. The area surrounding the landfill is wooded and very flat. The objective of the geophysical survey is to detect, and if detected, to delineate possible leachate plumes around the landfill.

The NYSDEC specified through D&B that the geophysical survey be conducted using a multi-frequency electromagnetic induction terrain conductivity meter and that the survey be conducted in two phases: a pilot study to determine if the method could be used successfully, and if successful, a full scale follow-up survey. The limited pilot test of the method was conducted at the Trimmer Road Landfill on October 27, 1999. After review of the results of the pilot test with D&B and NYSDEC, the parties concurred that the results indicated that possible leachate plumes were detected and the more extensive survey would be performed.

D&B staked the survey lines and specified the area of interest for the geophysical survey. Terrain conductivity data were collected along 11 survey lines ranging in length from approximately 300 feet to 2400 feet. The survey lines were generally oriented approximately parallel to the sides of the landfill. Data were collected using a multi-spectral terrain conductivity meter, the Geophysical Survey Systems GEM-300, and a station spacing of about 2 feet.

On the basis of the terrain conductivity survey conducted at the Trimmer Road Landfill in Parma, New York, we conclude that

- Four zones of elevated values of apparent conductivity occur along the north and northwest sides of the landfill. Three of the areas are adjacent to the landfill and may indicate possible leachate plumes. One of the areas of elevated apparent conductivity is separated from the landfill, and its source is not known.
- No significant areas of elevated apparent conductivity are present along the southern and southwestern sides of the landfill indicating that no leachate plumes were detected in these areas.

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1. INTRODUCTION

Hager-Richter Geoscience, Inc. conducted a terrain conductivity survey at the Trimmer Road Landfill, Parma, New York for Dvirka & Bartilucci Consulting Engineers (D&B) of Syracuse, New York in November, 1999. The survey is part of an environmental investigation of the Site being conducted by D&B for the New York State Department of Environmental Conservation (NYSDEC).

The Trimmer Road Landfill is an inactive municipal solid waste disposal site located in Parma, New York (Figure 1). The landfill is approximately 25 acres in size, Plate 1 is a Site Plan. The Site is currently partially covered by dense vegetation and the area located off the landfill is very flat. The objective of the terrain conductivity survey was to delineate possible leachate plumes on the north, west, and south sides of the landfill. D&B specified the locations of the survey lines and assisted in staking and clearing the survey lines.

The NYSDEC specified through D&B that the geophysical survey be conducted using a multi-frequency electromagnetic induction terrain conductivity meter and that the survey be conducted in two phases: a pilot study to determine whether the method could be used successfully, and if successful, a full scale follow-up survey. The pilot test was conducted at the Trimmer Road Landfill by Jeffrey Reid, P.G., of Hager-Richter at the direction of D&B and the NYSDEC on October 27, 1999. After review of the results of the pilot test with Mr. Gerry Gould of D&B and Mr. David Foster of NYSDEC, the parties concurred that the results indicated that possible leachate plumes were detected and the full scale follow-up survey would be performed. The locations of the survey lines conducted during the pilot study were not surveyed, and therefore, the data collected during the pilot study are not reported here.

Steven Grant and Jeffrey Sullivan of Hager-Richter conducted the field operations for the follow-up survey on November 1-4, 1999. The project was coordinated with Mr. Gerry Gould of D&B, who specified the locations of the survey lines, assisted clearing and staking the survey lines, and observed a portion of the field work. All work was conducted under Level D personal protection. Data analysis and interpretation were completed at the Hager-Richter offices. Original data and field notes reside in the Hager-Richter files and will be retained for a minimum of three years.

2. EQUIPMENT AND PROCEDURES

2.1 General

Terrain conductivity meters use the electromagnetic induction method, wherein an electrical current is induced in the subsurface by energizing a coil of wire (the transmitter) with an alternating current at the surface of the earth. The induced alternating current produces a secondary magnetic field that is proportional to the conductivity of the subsurface material and the voltage generated by the secondary magnetic field in the receiver coil of the instrument is related to the conductivity.

2.2 Equipment.

We used a Geophysical Survey Systems GEM-300 Multi Frequency Electromagnetic Profiler for the survey. This instrument is based on the same principles of electromagnetic induction as other commonly used terrain conductivity meters such as Geonics EM31, EM34, and EM38. There are two coils separated by a small fixed distance. One coil, the transmitter coil, induces eddy currents in the subsurface and the other coil, the receiver coil, measures the secondary fields due to the eddy currents. The in-phase (IP) and quadrature (QP) components of the secondary field are related to the volume of metallic objects in the subsurface and the electrical conductivity of the subsurface material, respectively.

The theoretical advantage of the GEM-300 over the Geonics instruments is that the frequencies of the Geonics units are fixed whereas the frequency of the GEM-300 is user-selectable over the range 330 to 20,000 Hz, and up to 16 frequencies can be measured simultaneously. Because the depth of the subsurface material that is sampled for a particular measurement is a function of frequency, the GEM-300 data reportedly can provide relative depths of objects detected with several frequencies.

2.3 Data Analysis and Interpretation.

Terrain conductivity data are plotted in either profile format or as contour maps, depending on the density of the data. At sites free of metal objects and other cultural interference, the terrain conductivity measured at a particular location is controlled by the subsurface fluid. The instrument response is more affected by near-surface material than by deeper material. In cases where the terrain conductivity meter is directly over a buried metal target, the apparent conductivity reading may be a negative number.

Terrain conductivity surveys are commonly included in environmental investigations because they can be used to determine the lateral extent of disposal areas and/or landfills, to detect buried metal objects, and to detect the presence of conductive leachate plumes. Typically, terrain conductivity values measured in disposal areas are irregular and highly variable over short distances due to the heterogeneous materials in the subsurface. The edges of disposal areas can be determined, then, where there is a change to smoothly varying values of terrain conductivity. In areas of buried metal objects, terrain conductivity meters commonly yield apparently negative values. Leachate plumes are generally recognized on the basis of terrain conductivity data as relatively smoothly varying, but anomalously elevated, values compared to the background values for a given site.

2.4 Limitations of the Method

As with any of the electrical geophysical methods, terrain conductivity data are subject to interference from such cultural features as buildings, fencing, and underground and overhead power lines. Thus, the use of the terrain conductivity method in urban settings might be limited.

Terrain conductivity meters were designed and calibrated to be used in the range of natural ground conductivity (i.e., low induction numbers). Values of apparent conductivity greater than about 100 mmho/m are likely not valid measures of actual ground conductivity. In areas where the meters are affected by highly conductive materials (such as metal objects), the values of apparent terrain conductivity measured are not accurate.

2.5 Site Specific

D&B specified the area of interest for the survey and assisted in establishing staked survey lines for the geophysical survey. Data for the terrain conductivity survey were recorded at approximately 2-foot intervals along lines oriented generally parallel to the north, south, and west sides of the landfill. The quadrature phase (apparent conductivity) component was recorded for the vertical dipole mode at frequencies of 1.530 kHz, 7.290 kHz, 9.810 kHz, and 15.270 kHz for all traverses. The minimum and maximum frequencies were selected by the field crew and the intermediate frequencies were selected automatically by the equipment.

Apparent conductivity data were re-measured along a baseline located off the southwest corner of the landfill at the beginning, before and after lunch, and end of each day to check for instrument drift. Instrument drift of up to 7 mmho/m was detected between baseline measurements and the field data were corrected for the instrument drift. The values of apparent conductivity reported are relative to the value of apparent conductivity at the southern end of the baseline. Therefore, some of the values reported are negative because they are lower relative to the baseline.

Terrain Conductivity Survey Trimmer Road Landfill Parma, New York File 99J43 November, 1999

3. RESULTS AND DISCUSSION

The apparent conductivity data for the Trimmer Road Landfill is presented in color contour form in Plate 2 and in profile form in Appendix 1. The profile plots of apparent conductivity are corrected for the instrument drift, but have not been edited for electronic noise as evidenced by spikes and station-to-station variations, especially prominent in the 1.530 kHz data. The contoured data shown in Plate 2 have been corrected for instrument drift and the electronic noise has been removed.

The GEM-300 measurements are referred to as "apparent" conductivity because they do not represent an accurate value of the conductivity of the subsurface, but rather represent bulk measurements of large volumes of earth. Although the values measured are "apparent," the relative changes in conductivity in a single survey reflect relative changes in conductivity of the subsurface as a function of surface location, however.

Theoretically, the different combinations of frequencies used for the data collection for the GEM-300 allow exploration of apparent conductivity of the subsurface for differing depth intervals, with variation of the relative effects of near surface versus deeper materials for the high frequencies and low frequencies, respectively. The table below shows the theoretical effects of frequency on the nominal depth of exploration¹.

Frequency (kHz)	Assumed Conductivity (mho/m)	Depth of Exploration (m)
1.530	1	14 m
7.290	1	5.8 m
9.810	1	5 m
15.270	1	2.9 m

For this Site, however, there is little real variation in the shapes of the profiles for the different frequencies, other than a small vertical shift in the apparent conductivity values as shown in the appendix. Therefore, we provide contoured data for only a single frequency. The color contour plot, Plate 2, represents the apparent conductivity of the subsurface using the 9.810 kHz frequency.

¹ Taken from the Skin Depth Nomogram provided in Geophysical Survey System, Inc. GEM-300 Operating Manual, dated January, 1998.

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The contour plot of apparent conductivity indicates the presence of four major zones of elevated apparent conductivity: two zones extending northward from the landfill, a zone extending northwest from the west side of the landfill, and a zone located northwest of the landfill. Such zones may indicate possible leachate plumes.

A zone with elevated apparent conductivity extends northward from the landfill near Line J, 2100E. The possible plume extends at least 200 feet from the landfill, but was not detected on Line L located 400 feet north of the landfill. Another area of elevated apparent conductivity on the north side of the landfill extends north from Line J, 1500E. The location of this possible plume is coincident with a swampy area with standing water and phragmites. Whether the elevated apparent conductivity values are due to the presence of shallow groundwater or conductive leachate cannot be determined on the basis of the geophysical data alone. However, since the elevated apparent conductivity values extend beyond the swampy area, we infer that at least a portion of the response is due to conductive groundwater. The possible plume extends at least 400 feet from the landfill, but was not detected on Line M located approximately 600 feet north of the landfill.

Two areas of elevated apparent conductivity are located on the west and northwest sides of the landfill. One such area occurs near Line H, 1200 E and extends to the northwest approximately 350 feet and roughly coincides with a marshy area. Whether the elevated apparent conductivity values are due to the presence of shallow groundwater or conductive leachate cannot be determined on the basis of the geophysical data alone. However, since the elevated apparent conductivity values extend beyond the swampy area, we infer that at least a portion of the response is due to conductive groundwater.

The area of elevated conductivity located northwest of the landfill with peak conductivity near Line K+50, 1000E is separated from the landfill and the other possible plumes. Because elevated apparent conductivity was not detected closer to the landfill along Line J and Line 1000E, we cannot firmly attribute this area elevated apparent conductivity to a conductive leachate plume from the landfill. The apparent conductivity anomaly associated with the area is well constrained on the south and east sides, but may extend outside the survey area on the west and north sides near K+50, 700E and Line M, 850E, respectively. Due to time limitations and dense vegetation in these areas, additional data could not be collected.

No significant apparent conductivity anomalies are present along the southern and southeastern sides of the landfill and we infer that no leachate plumes are present in these areas surveyed. A few small, low amplitude anomalies are located along the entrance road to the landfill and along Line 1100E, and are attributed to small pieces at surface metal noted at the time of the survey.

Terrain Conductivity Survey Trimmer Road Landfill Parma, New York File 99J43 November, 1999

4. LIMITATIONS

This report was prepared for the exclusive use of Dvirka & Bartilucci Consulting Engineers and the New York State Department of Environmental Conservation(Client). No other party shall be entitled to rely on this Report or any information, documents, records, data, interpretations, advice or opinions given to Client by Hager-Richter Geoscience, Inc. (H-R) in the performance of its work. The Report relates solely to the specific project for which H-R has been retained and shall not be used or relied upon by Client or any third party for any variation or extension of this project, any other project or any other purpose without the express written permission of H-R. Any unpermitted use by Client or any third party shall be at Client's or such third party's own risk and without any liability to H-R.

H-R has used reasonable care, skill, competence and judgment in the preparation of this Report consistent with professional standards for those providing similar services at the same time, in the same locale, and under like circumstances. Unless otherwise stated, the work performed by H-R should be understood to be exploratory and interpretational in character and any results, findings or recommendations contained in this Report or resulting from the work proposed may include decisions which are judgmental in nature and not necessarily based solely on pure science or engineering. It should be noted that our conclusions might be modified if subsurface conditions were better delineated with additional subsurface exploration including, but not limited to, test pits, soil borings with collection of soil and water samples, and laboratory testing.

Except as expressly provided in this limitations section, H-R makes no other representation or warranty of any kind whatsoever, oral or written, expressed or implied; and all implied warranties of merchantability and fitness for a particular purpose, are hereby disclaimed.



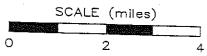


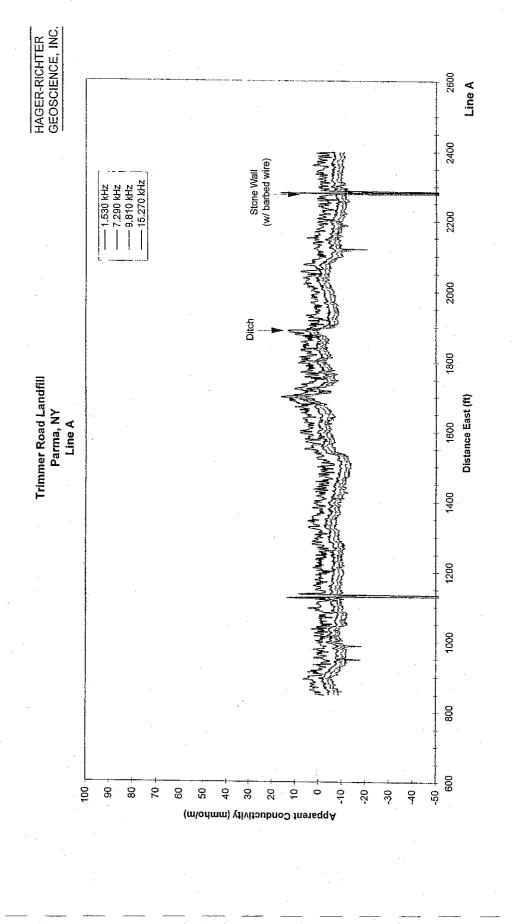
Figure 1 General Site Location Trimmer Road Landfill Parma, New York

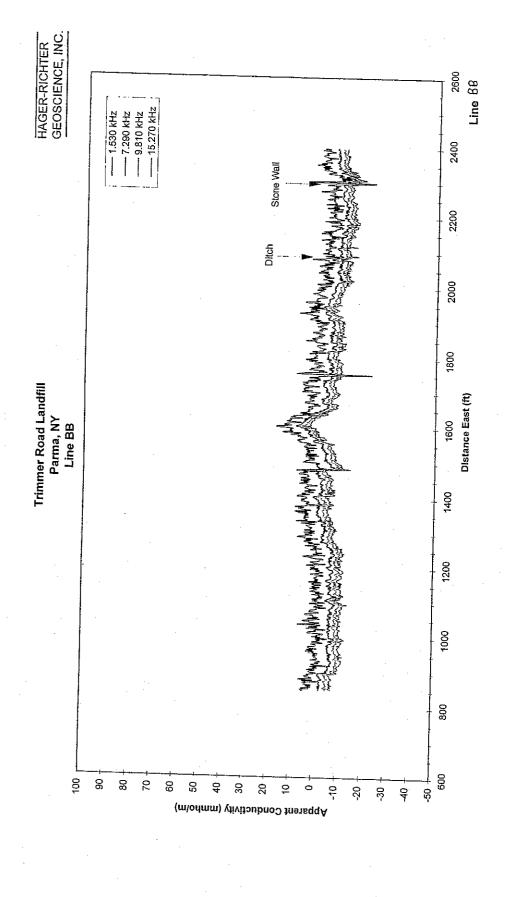
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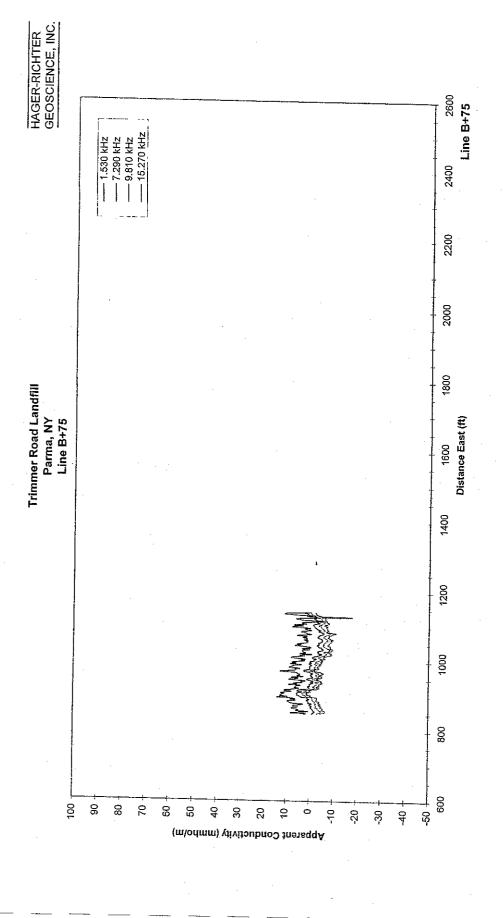
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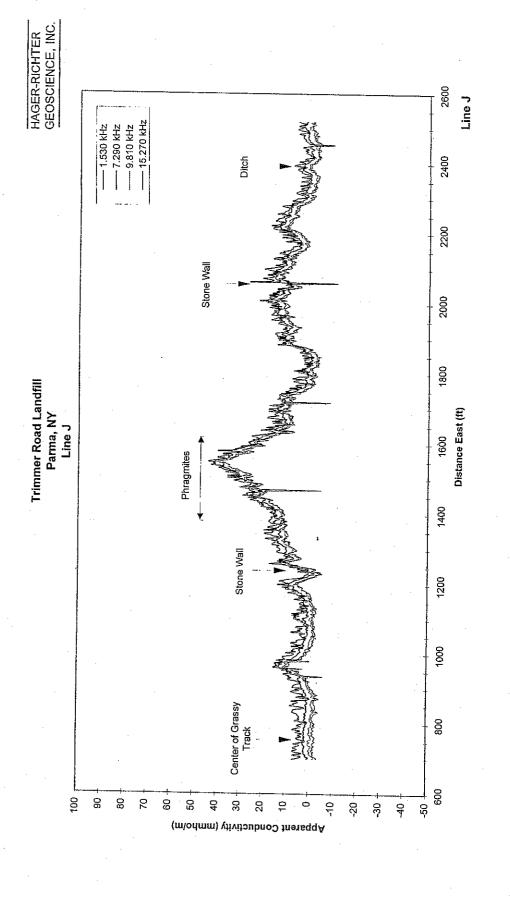
HAGER-RICHTER GEOSCIENCE, INC. Salem, New Hampshire

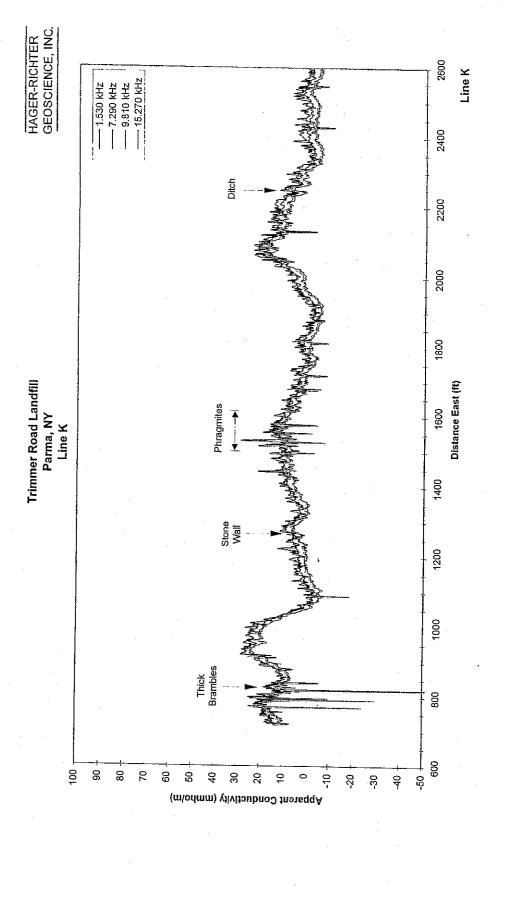
APPENDIX 1 APPARENT CONDUCTIVITY DATA TRIMMER ROAD LANDFILL PARMA, NEW YORK

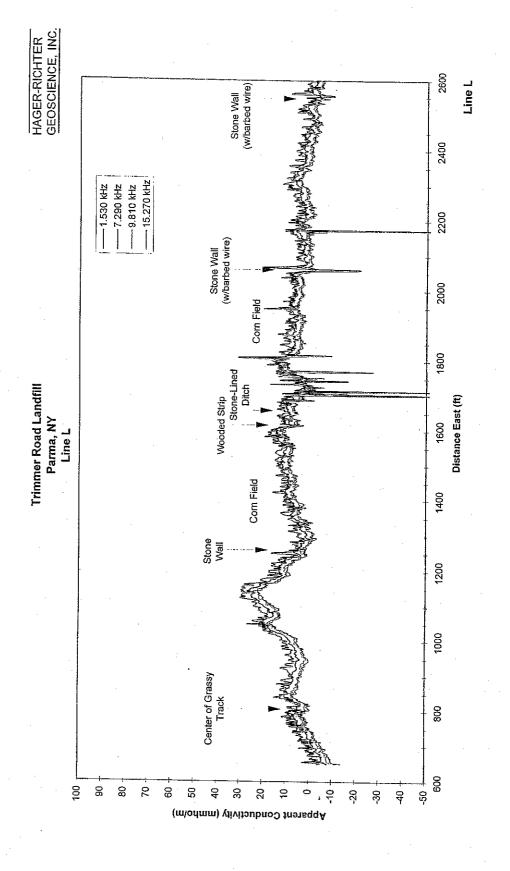


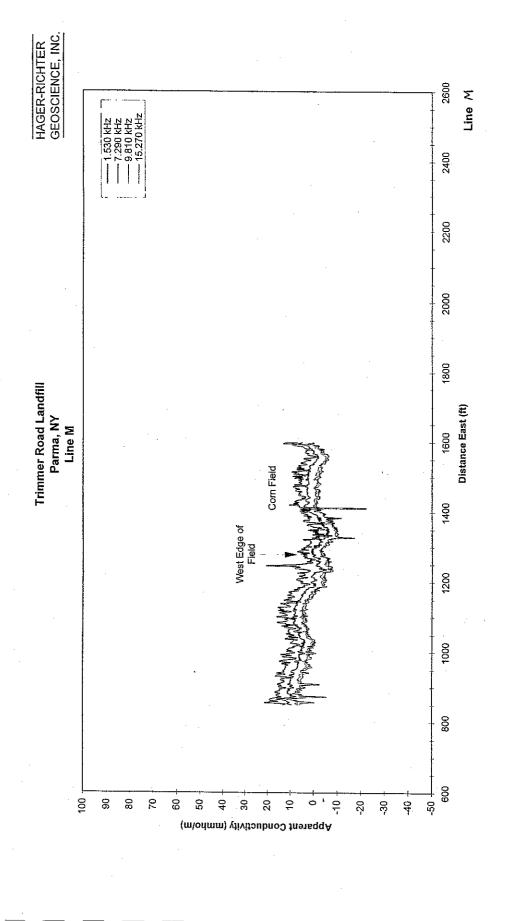


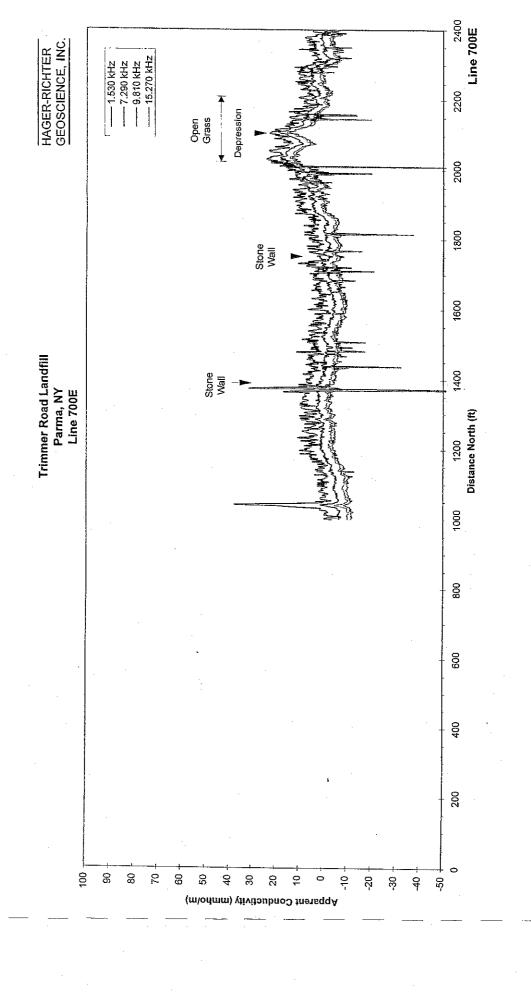


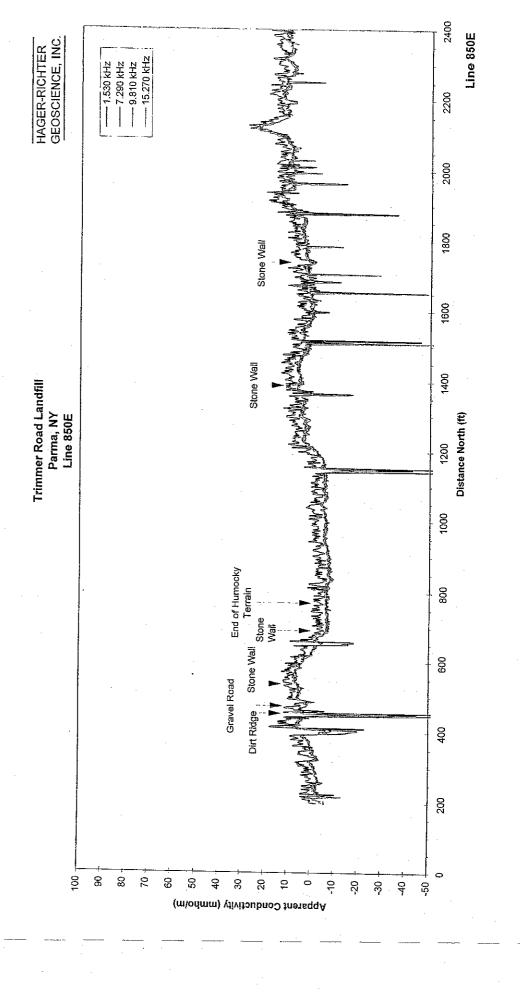


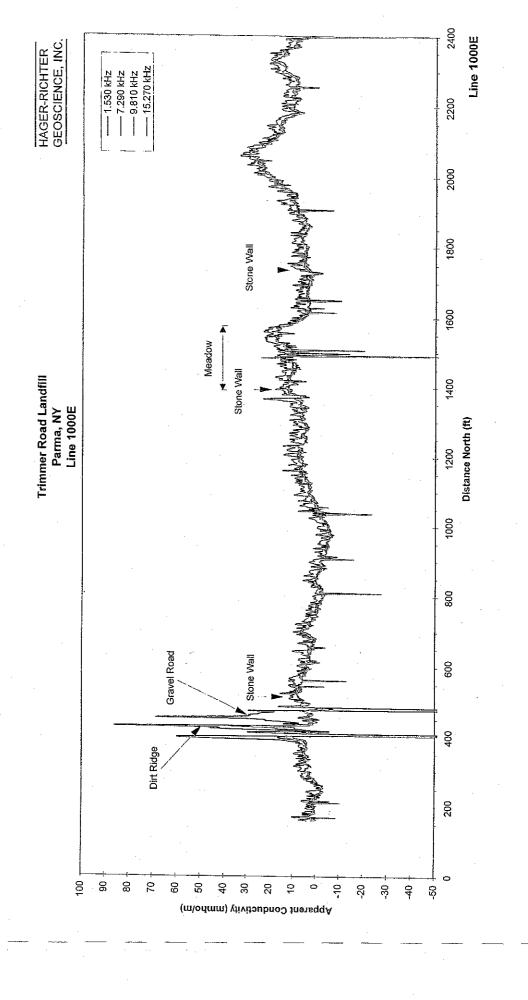


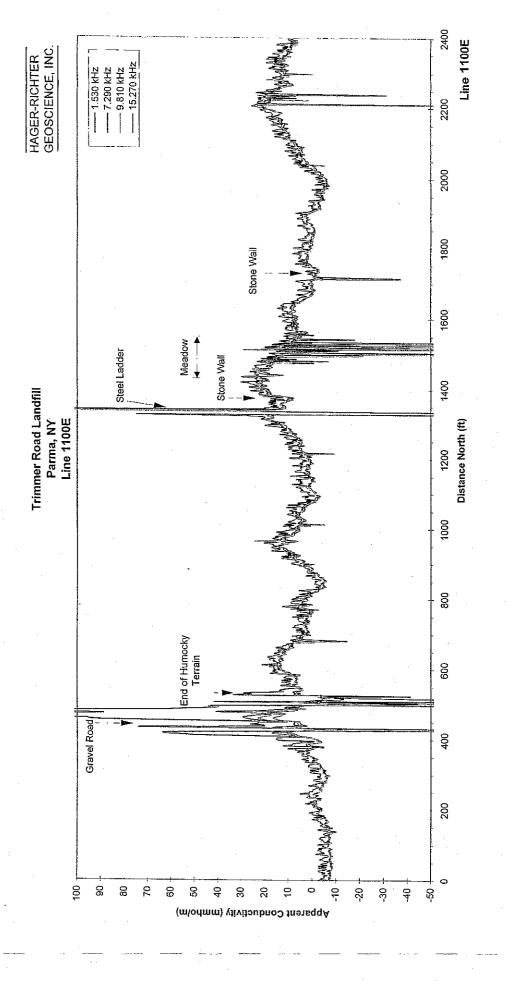












APPENDIX E GROUNDWATER ELEVATION DATA

Groundwater Level Measurements Trimmer Road landfill January 24, 2000

	Depth to	Groundwater	Depth Below
	Groundwater	Elevation	Ground Surface
Well ID	(feet)	(feet amsl)	(feet)
MW-01D	7.74	379.74	5.16
MW-01S	7.87	379.39	5.43
MW-02D	17.74	372.01	15.23
MW-02S	9.49	379.57	7.99
MW-03D	7.02	378.35	4.36
MW-03S	11.68	373.41	9.20
MW-04D	8,61	364.63	7.05
MW-04S	3.34	370.49	1.18
MW-05D	9.01	362.75	6.70
MW-05S	5.44	365.97	3.61
MW-06D	6.14	367.68	3.67
MW-06S	5.16	367,76	3.52
MW-07D	15.12	374.18	13.26
MW-07S	10.00	367.74	7.80
MW-08D	5.77	362,39	3.02
MW-08S	3.78	363.88	1.42
MW-09D	8.51	363.07	6.62
MW-09S	8.14	364.11	5.84
MW-10D	4.46	366.55	2.19
MW-10S	4.14	367.07	1.70
PZ-1	13.46	381.32	11.23
PZ-2	10.25	373.98	7.71
PZ-3	8.98	369.69	6.75
PZ-4	8.52	377.11	5.88
SG-1	2.24	379.00	NA
SG-2	2.95	370.89	NA
SG-3	2.99	368.74	NA
TR-3D	1.19	380.24	0.57
TR-3M	5.18	376.46	4.36
TR-3S	4.72	376.44	4.41

Groundwater Level Measurements Trimmer Road landfill February 16, 2000

	Depth to	Groundwater	Depth Below
	Groundwater	Elevation	Ground Surface
Well ID	(feet)	(feet amsl)	(feet)
MW-01D	6.32	381.16	3.74
MW-01S	5.96	381.30	3.52
MW-02D	16.65	373.10	14.14
MW-02S	7.88	381.18	6.38
MW-03D	5.77	379.60	3.11
MW-03S	10.31	374.78	7.83
MW-04D	7.61	365.63	6.05
MW-04S	2.88	370.95	0.72
MW-05D	8.18	363.58	5.87
MW-05S	4.64	366.77	2.81
MW-06D	5.60	368.22	3.13
MW-06S	4.53	368.39	2.89
MW-07D	14.58	374,72	12.72
MW-07S	9.21	368.53	7.01
MW-08D	4.63	363.53	1.88
MW-08S	3.15	364.51	0.79
MW-09D	7.56	364.02	5.67
MW-09S	4.80	367.45	2.50
MW-10D	3.89	367.12	1.62
MW-10S	3.57	367.64	1.13
PZ-1	13.41	381.37	11.18
PZ-2	10.22	374.01	7.68
PZ-3	8.77	369.90	6.54
PZ-4	8.60	377.03	5.96
SG-1	2.48	378.76	NA
SG-2	2.95	370.89	NA
SG-3	2.83	368.90	NA
TR-3D	1.21	380.22	0.59
TR-3M	4.87	376.77	4.05
TR-3S	3.84	377.32	3.53

Groundwater Level Measurements Trimmer Road landfill March 29, 2000

	Depth to	Groundwater	Depth Below
	Groundwater	Elevation	Ground Surface
Well ID	(feet)	(feet amsl)	(feet)
MW-01D	4.03	383,45	1.45
MW-01S	3.03	384.23	0.59
MW-02D	13.29	376,46	10.78
MW-02S	5.88	383.18	4.38
MW-03D	1.88	383.49	-0.78
MW-03S	5.46	379.63	2.98
MW-04D	5.60	367.64	4.04
MW-04S	1.71	372.12	-0.45
MW-05D	6.28	365,48	3,97
MW-05S	4.04	367.37	2.21
MW-06D	4.12	369.70	1.65
MW-06S	3.17	369,75	1,53
MW-07D	11.60	377,70	9.74
MW-07S	7.21	370.53	5.01
MW-08D	3.71	364.45	0.96
MW-08S	2.80	364.86	0.44
MW-09D	5.86	365.72	3.97
MW-09S	3.84	368.41	1.54
MW-10D	2.45	368.56	0.18
MW-10S	2.35	368.86	-0.09
PZ-1	10.74	384.04	8.51
PZ-2	9.83	374.40	7.29
PZ-3	5.46	373.21	3.23
PZ-4	7.46	378.17	4.82
SG-1	2.30	378.94	NA
SG-2	2.91	370.93	NA
SG-3	1.89	369.84	NA
TR-3D	1.22	380.21	0.60
TR-3M	0.92	380,72	0.10
TR-3S	1.06	380.10	0.75

Groundwater Level Measurements Trimmer Road landfill April 18, 2000

	Depth to	Groundwater	Depth Below
	Groundwater	Elevation	Ground Surface
Well ID	(feet)	(feet amsl)	(feet)
MW-01D	3.89	383.59	1.31
MW-01S	2.77	384.49	0.33
MW-02D	12.61	377.14	10.10
MW-02S	5.70	383.36	4.20
MW-03D	1.64	383,73	-1.02
MW-03S	5.11	379,98	2.63
MW-04D	5.47	367.77	3.91
MW-04S	1.64	372.19	-0.52
MW-05D	6.02	365.74	3.71
MW-05S	3.88	367.53	2.05
MW-06D	4.10	369.72	1.63
MW-06S	3.13	369.79	1.49
MW-07D	11.72	377,58	9.86
MW-07S	6.94	370.80	4.74
MW-08D	3.59	364.57	0.84
MW-08S	2.61	365.05	0.25
MW-09D	5,66	365.92	3.77
MW-09S	3.68	368.57	1.38
MW-10D	2.45	368.56	0,18
MW-10S	2,35	368.86	-0.09
PZ-1	10.31	384.47	8.08
PZ-2	9.50	374.73	6.96
PZ-3	5.25	373,42	3.02
PZ-4	7.11	378.52	4.47
SG-1	2.47	378.77	NA
SG-2	3.02	370.82	NA
SG-3	2.03	369.70	NA
TR-3D	1.04	380.39	0.42
TR-3M	0.94	380.70	0.12
TR-3S	1.24	379.92	0.93

Groundwater Level Measurements Trimmer Road landfill May 19, 2000

	Depth to	Groundwater	Depth Below
	Groundwater	Elevation	Ground Surface
Well ID	(feet)	(feet amsl)	(feet)
MW-01D	3.84	383.64	1.26
MW-01S	2.83	384.43	0.39
MW-02D	11.48	378.27	8.97
MW-02S	5.58	383.48	4.08
MW-03D	1.50	383.87	-1.16
MW-03S	5.16	379.93	2.68
MW-04D	5.39	367.85	3.83
MW-04S	1.69	372.14	-0.47
MW-05D	5,85	365.91	3.54
MW-05S	4.00	367.41	2.17
MW-06D	4.09	369.73	1.62
MW-06S	3.15	369.77	1.51
MW-07D	11.94	377.36	10.08
MW-07S	7.03	370.71	4.83
MW-08D	3.56	364.60	0.81
MW-08S	2.76	364.90	0.40
MW-09D	5.56	366.02	3.67
MW-09S	3.83	368.42	1.53
MW-10D	2.41	368.60	0.14
MW-10S	2.33	368.88	-0.11
PZ-1	10.78	384.00	8.55
PZ-2	9.67	374.56	7.13
PZ-3	5.29	373.38	3.06
PZ-4	6,77	378.86	4.13
SG-1	2.28	378.96	NA
SG-2		373.84	. NA
SG-3	1.94	369.79	NA
TR-3D	1.02	380.41	0.40
TR-3M	1.07	380.57	0.25
TR-3S	1.08	380.08	0.77

Groundwater Level Measurements Trimmer Road landfill June 6, 2000

	Depth to	Groundwater	Depth Below
	Groundwater	Elevation	Ground Surface
Well ID	(feet)	(feet amsl)	(feet)
MW-01D	4.21	383.27	1.63
MW-01S	3.05	384.21	0.61
MW-02D	11.42	378,33	8.91
MW-02S	5.96	383.10	4.46
MW-03D	2.04	383,33	-0.62
MW-03S	5.51	379.58	3.03
MW-04D	5.81	367.43	4.25
MW-04S	1.80	372.03	-0.36
MW-05D	5,98	365,78	3.67
MW-05S	4.29	367.12	2.46
MW-06D	4,43	369.39	1.96
MW-06S	3.41	369.51	1.77
MW-07D	12.39	376.91	10.53
MW-07S	7.38	370.36	5.18
MW-08D	3.86	364.30	1.11
MW-08S	2.84	364.82	0.48
MW-09D	5.75	365.83	3.86
MW-09S	4.13	368.12	1.83
MW-10D	2.67	368.34	0.40
MW-10S	2.53	368.68	0.09
PZ-1	11.17	383,61	8.94
PZ-2	9.71	374.52	7.17
PZ-3	5.59	373.08	3.36
PZ-4	7.33	378.30	4.69
SG-1	2.39	378.85	NA
SG-2		373.84	NA
SG-3	2.06	369.67	NA
TR-3D	1.01	380.42	0.39
TR-3M	1.69	379,95	0.87
TR-3S	1.66	379,50	1.35

Groundwater Level Measurements Trimmer Road landfill August 2, 2000

	Depth to	Groundwater	Depth Below
	Groundwater	Elevation	Ground Surface
Well ID	(feet)	(feet amsl)	(feet)
MW-01D	5.28	382.20	2.70
MW-01S	4.58	382.68	2.14
MW-02D	15.50	374.25	12.99
MW-02S	7.02	382.04	5.52
MW-03D	3.62	381,75	0.96
MW-03S	7.18	377.91	4.70
MW-04D	6.98	366.26	5.42
MW-04S	2.04	371.79	-0.12
MW-05D	7.43	364.33	5.12
MW-05S	4.36	367.05	2.53
MW-06D	5.17	368.65	2.70
MW-06S	4.19	368.73	2.55
MW-07D	12.71	376.59	10.85
MW-07S	8.41	369,33	6.21
MW-08D	4.18	363.98	1.43
MW-08S	2.96	364.70	0.60
MW-09D	6.47	365.11	4.58
MW-09S	5.52	366.73	3.22
MW-10D	3.61	367.40	1.34
MW-10S	3.46	367.75	1.02
PZ-1	11.86	382.92	9.63
PZ-2	10.07	374.16	7.53
PZ-3	5.95	372.72	3.72
PZ-4	7.87	377.76	5.23
SG-1	2.52	378.72	NA
SG-2	3.24	370,60	NA
SG-3	2.18	369.55	NA
TR-3D	0.58	380.85	-0.04
TR-3M	3.72	377.92	2.90
TR-3S	4.51	376.65	4.20

Table 3-1
Trimmer Road Landfill Site
Pre-Design Investigation
Groundwater Elevation Data

	De	ecember 16, 200)4		March 10, 2005	
Well ID	Depth to Groundwater*	Groundwater Elevation	Depth Below Ground Surface	Depth to Groundwater*	Groundwater Elevation	Depth Below
	(feet)	(feet amsl)	(feet)	(feet)	(feet amsl)	Ground Surface
MW-01D	3.72	383.76	1.14	3.65	383.83	(feet)
MW-01S	2.56	384.70	0.12	2.50		1.07
MW-02D	10.81	378.94	8.30	10.78	384.76	0.06
MW-02S	5.31	383.75	3.81	5.31	378.97 383.75	8.27
MW-03D	1.23	384.14	-1.43	1.22		3.81
MW-03S	4.56	380.53	2.08	4.51	384.15	-1.44
MW-04D	4.95	368.29	3.39	4.76	380.58	2.03
MW-04S	1.77	372.06	-0.39	1.63	368.48	3.20
MW-05D	5.34	366.42	3.03	4.99	372.20 366.77	-0.53
MW-05S	3.58	367.83	1.75	3.58	367.83	2.68
MW-06D	3.22	370.60	0.75	3.56	370.26	1.75
MW-06S	2.93	369.99	1.29	2.81	370.26	1.09
MW-07D	12.51	376.79	10.65	11.86	377.44	1.17
MW-07S	6.61	371.13	4.41	6.52	371.44	10.00
MW-08D	3.35	364.81	0.60	3.34	364.82	4.32
MW-08S	2.50	365.16	0.14	2.51	365.15	0.59
MW-09D	4.85	366.73	2.96	4.76	366.82	0.15
MW-09S	3.56	368.69	1.26	3.49	368.76	2.87
MW-10D	2.11	368.90	-0.16	2.02	368.99	1.19
MW-10S	2.37	368.84	-0.07	2.25	368.96	-0.25
MW-11	NI	NI	NI	3.67	375.87	-0.19
MW-12	NI	NI	NI	3.71	372.74	3.67
MW-13	NI	NI	NI	2.42	363.71	3.71
MW-14	NI	NI	NI	4.03	365.53	2.42
PZ-1	11.67	383.11	9.44	10.96	383.82	4.03
PZ-2	9.67	374.56	7.13	9.65	374.58	8.73
PZ-3	6.11	372.56	3.88	5.69	374.38	7.11
PZ-4	7.11	378.52	4.47	6.79	378.84	3.46 4.15

^{* -} Measured relative to top of well casing.

feet amsl - Feet above mean sea level (NAVD 88).

NI - Not installed.

APPENDIX F

ANALYTICAL DATA

Appendix F

Analytical Data

List of Tables

1a. 1b. 1c. 1d.	Leachate Sample Results, Volatile Organic Compounds Leachate Sample Results, Semivolatile Organic Compounds Leachate Sample Results, Pesticides/PCBs Leachate Sample Results, Inorganic Parameters - Unfiltered
2a.	Subsurface Soil Sample Results, Volatile Organic Compounds
2b.	Subsurface Soil Sample Results, Semivolatile Organic Compounds
3a.	Groundwater Sample Results - January 2000, Volatile Organic Compounds
3b.	Groundwater Sample Results - January 2000, Semivolatile Organic Compounds
3c.	Groundwater Sample Results - January 2000, Pesticides/PCBs
3d.	Groundwater Sample Results - January 2000, Inorganic Parameters - Unfiltered
3e.	Groundwater Sample Results - January 2000, Inorganic Parameters - Filtered
4a.	Groundwater Sample Results - June 2000, Volatile Organic Compounds
4b.	Groundwater Sample Results - June 2000, Inorganic Parameters - Unfiltered
4c.	Groundwater Sample Results - June 2000, Inorganic Parameters - Filtered
5a. 5b.	Test Pit Water Sample, Volatile Organic Compounds Test Pit Water Sample, Semivolatile Organic Compounds
6a.	Surface Water Sample Results, Volatile Organic Compounds
6b.	Surface Water Sample Results, Semivolatile Organic Compounds
6c.	Surface Water Sample Results, Pesticides/PCBs
6d.	Surface Water Sample Results, Inorganic Parameters - Unfiltered
7a. 7b. 7c. 7d.	Surface Water Sediment Sample Results - June 2000, Volatile Organic Compounds Surface Water Sediment Results - June 2000, Semivolatile Organic Compounds Surface Water Sediment Results - June 2000, Pesticides/PCBs Surface Water Sediment Results - June 2000, Inorganic Parameters
8a.	Private Water Supply Sample Results, Volatile Organic Compounds
8b.	Private Water Supply Sample Results, Inorganic Parameters – Unfiltered
9.	Soil Gas Survey Results
10a. 10b.	Groundwater Sample Results – January 2005, Volatile Organic Compounds Groundwater Sample Results – January, Inorganic Parameters-Filtered

REMEDIAL INVESTIGATION AND FEASIBILITY STUDY LEACHATE SAMPLE RESULTS - JUNE 2000 VOLATILE ORGANIC COMPOUNDS TRIMMER ROAD LANDFILL SITE TABLE 1a.

Sample identification L2 L3 L4 L5 L6 L7 Required Groundwater Date of Collection 06/09/00 <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>_</th> <th></th>									_	
Collection O6/08/00 O6/08/00 O6/08/00 O6/08/00 O6/08/00 O6/08/00 O6/08/00 O6/08/00 O6/08/00 O6/08/00 O6/08/00 O6/08/00 O6/08/00 O6/08/00 O6/08/00 O6/08/00 O6/08/00 O6/08/00 Imith <td>Sample Identification</td> <td>5</td> <td>L-2</td> <td>L-3</td> <td>L-4</td> <td>L-5</td> <td>9-T</td> <td>L-7</td> <td>Required</td> <td>Groundwater</td>	Sample Identification	5	L-2	L-3	L-4	L-5	9-T	L-7	Required	Groundwater
Factor 1.0<	Date of Collection	00/80/90	00/80/90	00/80/90	00/80/90	00/80/90	00/80/90	00/80/90	Detection	Standard or
Clark Clay	Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	Limit	Guidance Value
techanee U U U U U U U U U U U U U U U U U U	Units	(l/gu) .	(l/gn)	(l/gn)	(l/gn)	(l/gn)	(l/gn)	(l/gn)	(l/gn)	(l/gn)
10	Chloromethane	D	D	n	ב	ח	Þ	Ъ	10	5.ST
the Chloride U U U U U U U U U U U U U U U U U U	Bromomethane	ס	ם ס	ם	⊋	ב)	D	10	5 ST
thrane by the Chloride characteristic by the characteristic by t	Vinyl Chloride	כ	ב	⊃	⊃	· ⊃	⊃	n	10	2 ST
Disturbide 6 J U U U U U U U U U U U U U U U U U U	Chloroethane	ה	⊃	⊃	⊃	⊃	<u></u>	. 1	10	5.ST
Districte Districte	Methylene Chloride	ב	5	>	D	ם	ח	ח	10	5 ST
Disulfide U U U U U U U U U U U U U U U U U U	Acetone	69	כ	10	1.7	Ð	ם	10	10	50GV
Introduce than	Carbon Disulfide	ס	ח	כ	₽	ב	⊃)	10	1
lorocethane U	1,1-Dichloroethene	ם	ם	ם	n	ם)	ם	10	5 ST
Noroethene (total) U	1,1-Dichloroethane	ב	ב	D.	כ	⊃	٦ ل	ם	10	5 ST
nmm U	1,2-Dichloroethene (total)	⊃	כ	⊃	n	ח	n	⊃	10	5 ST *
licroethane U U U U U U U U U U U U U U U U U U	Chloroform	>	<u> </u>	כ	ר	ם	ວ	⊃	9	7 ST
one ichloroethane U	1,2-Dichloroethane	⊃	ה ה	_	ם	ח)	⊃	10	0.6 ST
Chloroethane U <t< td=""><td>2-Butanone</td><td>'n</td><td>⊃</td><td>></td><td>⊃</td><td>n</td><td>ח</td><td>כ</td><td>10</td><td>50GV</td></t<>	2-Butanone	'n	⊃	>	⊃	n	ח	כ	10	50GV
Tetrachloride U <	1,1,1-Trichloroethane	>	ס	⊃	ס	⊃	ח	⊃	10	5 ST
Ichloromethane U	Carbon Tetrachloride	>	⊃	⊃	n	ב	_ ⊃	⊃	10	5 ST
Incorpopane	Bromodichloromethane	⊃	D	>	ם	D	o	⊃	10	50GV
Dichloropropene U	1,2-Dichloropropane	Þ	¬	⊋	⊃	⊃	o	כ	10	1 ST
oethene U </td <td>cis-1,3-Dichloropropene</td> <td>⊃</td> <td>⊃</td> <td>n</td> <td>⊃</td> <td>ח</td> <td>ם</td> <td>כ</td> <td>10</td> <td>0.4 ST **</td>	cis-1,3-Dichloropropene	⊃	⊃	n	⊃	ח	ם	כ	10	0.4 ST **
Ordinomethane U <	Trichloroethene	>	כ	_	n	ກ	⊃	⊋	10	5 ST
chloroethane U <t< td=""><td>Dibromochloromethane</td><td>ס</td><td>Þ</td><td>ກ</td><td>J</td><td>⊋</td><td>ם</td><td>כ</td><td>10</td><td>50GV</td></t<>	Dibromochloromethane	ס	Þ	ກ	J	⊋	ם	כ	10	50GV
3-Dichloropropene 3 J U U U F J 13 4 J 10 10 10 10 10 10 10 10 10 10 10 10 10	1,1,2-Trichioroethane	ກ	<u>ה</u>	Ω	D	ם	ס	O	10	1ST
3-Dichloropropene U	Benzene	r e	¬	o o	5 3	2 J	13	4 J	10	1.87
Immode U <td>Trans-1,3-Dichloropropene</td> <td>Э</td> <td>כ</td> <td><u>'</u> ⊃</td> <td>n</td> <td>ภ</td> <td>n</td> <td>n</td> <td>10</td> <td>0.4 ST **</td>	Trans-1,3-Dichloropropene	Э	כ	<u>'</u> ⊃	n	ภ	n	n	10	0.4 ST **
L2-Pentanone U <t< td=""><td>Bromoform</td><td></td><td>⊃</td><td>⊃</td><td>n</td><td>⊃</td><td>Þ</td><td>)</td><td>10</td><td>50GV</td></t<>	Bromoform		⊃	⊃	n	⊃	Þ)	10	50GV
one U	4-Methyl-2-Pentanone	Ω	ח	⊃	J	D	>)	10	
oroethene U	2-Hexanone	כ	ם)	⊃		ם	ם	10	50GV
Tetrachloroethane U	Tetrachloroethene	¬	>	ח	ກ	Š	5		10	5 ST
Description U <th< td=""><td>1,1,2,2-Tetrachloroethane</td><td><u></u></td><td>D</td><td>כ</td><td>-</td><td>⊋</td><td>⊃</td><td>ח</td><td>10</td><td>5 ST</td></th<>	1,1,2,2-Tetrachloroethane	<u></u>	D	כ	-	⊋	⊃	ח	10	5 ST
Parameter 70 U U 21 91 24 18 10 Izene U U U U U EJ 61 61 10 Inches U	Toluene	n	n		ח	⊋	⊃	n	10	5 ST
Nzene	Chlorobenzene	70.	>	<u> </u>	21	ſ6	24	18	10	5 ST
lenes U U U U U U U U U U U U U U U U U U U	Ethylbenzene	n	ח	∍	n ·	n	6 9	f 9	10	5.ST
IS U U 2J 75 4J 79 66 10 10 11 12 15 123 104 105 10 11 11 12 15 123 104 105 105 105 105 105 105 105 105 105 105	Styrene	⊋	D	⊃	ח	, ⊃	Ω	n	10	5 ST
TICS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Total Xylenes)	⊃	7 7 7	75	٠ 4	79	99	10	5 ST
IICS 0 0 0 0 0 0 0	Total VOCs	62	0	17	112	15	123	104		
	Total VOC TICs	0	0	0	0	0	0	0		

QUALIFIERS

U: Compound analyzed for but not detected

J: Compound found at a concentration below the CRDL, value estimated U*: Result qualified as non-detect based upon validation criteria

**: Value pertains to the sum of the isomers GV: Guidance Value

*: Value pertains to cis-1,2 Dichloroethene and trans-1,2 Dichloroethene individually

NOTES:

ST: Standard

---: Not established

Indicates value exceeds NYSDEC Class GA groundwater standard or guidance value.

1 of 5

Trimmer June 2000rp Leachate Chem.xls

TABLE 1b. TRIMMER ROAD LANDFILL SITE REMEDIAL INVESTIGATION AND FEASIBILITY STUDY LEACHATE SAMPLE RESULTS - JUNE 2000 SEMIVOLATILE ORGANIC COMPOUNDS

		วี				2			000000000000000000000000000000000000000
								College	NISCEC CIASS GA
Sample identification	-	Ľ,	ĩ	4	L-5	F-9	L-7	Required	Groundwater
Date of Collection	00/80/90	00/80/90	00/80/90	00/80/90	00/80/90	00/80/90	00/80/90	Detection	Standard or
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	Limit	Guidance Value
Units	(l/gn)	(l/gn)	(l/gn)	(l/gn)	(J/Bn)	(J/Bn)	(l/gn)	(l/gn)	(ng/l)
Phenol	Ò	ņ	n	ב	n	n	n	10	1 ST *
bis (2-Chloroethyl) ether	<u> </u>	2	כ	כ	כ	⊃	⊃	9	1 ST
2-Chlorophenol	<u> </u>	5		⊃	o	O	⊃	10	1ST*
1,3-Dichlorobenzene	n	כ	⊃	⊃)	n	U	10	3.ST
1,4-Dichlorobenzene	L 4	כ	2 5	15	٦٦	r 6	10	10	3.S.T
1,2-Dichlorobenzene	-	<u></u>	⊃	2 J	2 J	P	n	10	3.S.T
2-Methyiphenoi	כ	<u></u>	2 3	⊃)	<u>ה</u>	n	10	1
2,2'-Oxybis (1-Chloropropane)	5	<u> </u>	Ω	<u> </u>	⊃	ם	⊃	10	71
4-Methylphenol	כ	⊃	25	ი ი	ם	<u> </u>	ວ	10	
N-Nitroso-di-n-propylamine)	⊃	Ω	⊃	<u></u>	ສ	Þ	9	
Hexachloroethane	<u> </u>	⊃	n	<u></u>	>	5	>	10	581
Nitrobenzene	⊃	⊃	n	⊃	<u> </u>	ສ	> :	10	0.4 ST
Isophorone	⊃	⊃	⊃	⊃	ລ 	-)	10	20 05
2-Nitrophenol	_	⊃	ח	=	<u></u>	-	n	10	* * *
2,4-Dimethylphenol	<u> </u>	⊃)			⊃ 	2 J	9	* IS
2,4-Dichtorophenol	_	⊃	כ	ם	<u></u>	⊃ 	>	10	* [S]
1,2,4-Trichlorobenzene	_	⊃	כ	ח	<u></u>	<u> </u>	⊃	10	5.8T
Naphthalene	4 U	⊃	כ	15	2	10	ი დ	9	10 GV
4-Chloroaniline	'n	כ	⊃	n	⊃	⊃	⊃	10	5.8T
bis (2-Chloroethoxy) methane	ב	⊃	⊃	⊃	⊃	⊃ :	- :	10	5.8T
Hexachlorobutadiene	<u></u>	<u></u>	⊃	<u></u>	⊃ :	⊃ :	⊃ :	10	0.5 S.F
4-Chloro-3-methylphenol	⊃	כ	- :	⊃ ·) ,	o -	⊃ - ,	10	
2-Methyinaphthalene	D)	⊃ :	ر ا		7	- -	2 (1 2
Hexachlorocyclopentadiene	:) :	- :	⊃:	⊃ :	> :)	5 6	o O
2,4,6-Trichlorophenol	<u> </u>	-))	o :	ɔ :	o :	2 1	
2,4,5-Trichlorophenol	· ⊃	<u> </u>)	o :	⊃ ;) : 	5 :	8 9	·
2-Chloronaphthalene	⊃	⊃	⊃	O :	:	:	> :	2 6	- F
2-Nitroanliine	⊃ _.	_	⊃	<u> </u>	>)	> :	3	- O
Dimethylphthalate	<u> </u>	<u> </u>	⊃	⊃	י כ	<u></u>	o :	0 ;	75 Oc
Acenaphthylene	⊃	⊃	>	-	<u> </u>	>	>	2	
2,6-Dinitrotoluene	_	>	Þ	כ	<u></u>	>	⊃	0	5.ST
3-Nitroaniline	⊃	⊃	כ	<u></u>	o -	<u> </u>	⊃	52	5.ST
Acenaphthene	n	Þ	Þ	⊃)	⊃		9	20 GV
2,4-Dinitrophenol	_	5	כ	⊃	<u></u>	_	⊃	53	* ±S +
4-Nitrophenol	ם	'n	⊃	⊃	ס	⊃	n	32	
Dibenzofuran	כ	⊃	⊃	n	⊃	<u></u>	>	0	}
2.4-Dinitrotoluene	כ	⊃	⊃	ח	ם	D	5	10	5.87
					-				

NOTES: GV. Guldance value ST. Standard ---: Not established *: Value pertains to total phenols

								Contract	NYSDEC Class GA
Sample Identification	7	L-2	2	1.4	4	£-8-	F-7	Required	Groundwater
Date of Collection	00/80/90	00/80/90	00/80/90	00/80/90	00/80/90	00/80/90	00/80/90	Detection	Standard or
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	Limit	Guidance Value
Units	(y6n)	(J/Bn)	(l/gn)	(l/gn)	(J/Bn)	(l/gn)	(l/gn)	(J/Bn)	(J/6n)
Diethylphthalate	n	D	n	כ	כ	D	Э	9	50 GV
4-Chlorophenyl-phenylether	<u></u>	5	כ	כ	⊃	<u></u>	<u></u>	10	
Fluorene	>	ລ	ם		_		>	10	50 GV
4-Nitroaniline	כ	כ	n	Þ	⊃	כ	כ	10	5.57
4,6-Dinitro-2-methylphenol	כ		<u> </u>	⊃	5	כ	<u></u>	25	-
N-Nitrosodiphenylamine	<u></u>	ב	כ	<u> </u>	2	>	4	22	50 GV
4-Bromophenyl-phenylether	<u> </u>	כ) 	_ 	⊃	<u></u>)	10	***************************************
Hexachlorobenzene	כ	⊃	_ כ	 	>	n	כ	10	0.04 ST
Pentachiorophenol	כ	o ·	ם	ח	⊃	3	כ	10	1 ST *
Phenanthrene	¬	→	5	<u>۔</u> ی	כ	> -	>	53	50 GV
Anthracene	<u></u>	כ	⊃	⊃	⊃	⊃	⊃	5	50 GV
Carbazole	5	Ω	⊃	⊃	⊃	>	⊃	10	
Di-n-butylphthalate	<u> </u>	n	⊃	5	כ	כ	D	10	50 ST
Fluoranthene	⊃	כ	コ	⊃	⊃	<u> </u>	⊃	10	50 GV
Pyrene	כ)	⊃	⊃	<u> </u>	→	⊃	10	50 GV
Butylbenzylphthalate	D	⊃	⊃	ລ	ລ	ວ	⊃	5	50 GV
3,3'-Dichlorobenzidine	⊃	ລ	כ	כ	ח	∩	⊃	10	5 ST
Benzo (a) anthracene	Ω	Þ	⊃	⊃	D	n	D	10	0.002 GV
Chrysene	>)	⊃	⊃		⊃	ວ	5	0,002 GV
bis (2-Ethylhexyl) phthalate	>	⊃	⊃	D	ב	כ	J	5	5 ST
Di-n-octylphthalate		D)	כ	>	>		⊃	9	50 GV
Benzo (b) fluoranthene	>)	>	⊃	_		⊃	10	0.002 GV
Benzo (k) fluoranthene	⊃	⊃	⊃	⊃	<u> </u>	Þ	כ	10	0.002 GV
Benzo (a) pyrene	⊃	⊃	n	כ	כ)	⊃	9	ND ST
Indeno (1,2,3-cd) pyrene	⊃)	⊃	⊃		⊃	⊃	5	0.002 GV
Dibenzo (a,h) anthracene	כ	⊃	⊃	⊃	Þ	→	⊃	10	
Benzo (g,h,i) perylene	Ŋ	Ω	n	n	n	n	η.	10	
Total PAHs	4	0	0	16	2	10	3		
Total Carcinogen PAHs	0	0	0	0	0	0	0		to be the second
Total SVOCs	ထ	0	59	38	16	21	20		Į
Total SVOC TICs	0	0	0	0	0	0	0		

REMEDIAL INVESTIGATION AND FEASIBILITY STUDY LEACHATE SAMPLE RESULTS - JUNE 2000 SEMIVOLATILE ORGANIC COMPOUNDS

TRIMMER ROAD LANDFILL SITE TABLE 1b. (CONTINUED)

QUALIFIERS;

J. Compound found at a concentration below the detection limit U: Compound analyzed for but not detected

Indicates value exceeds NYSDEC Class GA groundwater standard or guidance value

REMEDIAL INVESTIGATION AND FEASIBILITY STUDY LEACHATE SAMPLE RESULTS - JUNE 2000 PESTICIDE/PCBs TRIMMER ROAD LANDFILL SITE TABLE 1c.

								Contract	NYSDEC Class GA
Sample Identification	L-1	r-2	F-3	4	L-5	L-6	L-7	Required	Groundwater
Date of Collection	00/80/90	00/80/90	00/80/90	00/80/90	00/80/90	00/80/90	00/80/90	Defection	Standard or
Dilution Factor	1.0	1.0	1.0	1,0	1.0	1.0	1.0	Limit	Guidance Value
Units	(l/6n)	(l/gn)	(l/gn)	(l/gn)	(l/6n)	(J/Bn)	(l/gn)	(J/Bn)	(l/gu)
alpha-BHC)		1	n	2	Э	D	0.05	0.01 ST
beta-BHC	, , , , , , , , , , , , , , , , , , ,	כ	ס	ם	⊃	>	ח	0.05	0.04 ST
delta-BHC	- D	מ	ס	<u>.</u>		5	ח	0.05	0.04 ST
gamma-BHC (Lindane)	· >	· :	· >	ח	כ	כ	כ	0.05	0.05 ST
Heptachlor	· >	כ	>	כ	5	'n	כ	0.05	0,04 ST
Aldrin	>	כ	<u></u>	ວ	0	Ð	о	0.05	TS QN
Heptachlor Epoxide	o	⊃	5	⊃	>	⊃	D	0.05	0.03 ST
Endosuffan I	כ	ח	ם	כ	>	Þ	ס	0.05	1
Dieldrin	5	ח	5	_	כ	<u></u>	n	0.10	0.004 ST
4.4'-DDE	ב	⊃	5	o	כ	⊃	כ	0.10	0.2 ST
Endrin	n	n	⊃	_	ח	ם	ם	0.10	TS QN
Endosulfan II	ח	D	5	_	5	D	כ	0.10	1
4.4'-DDD	2	כ	ס	Þ		כ	D	0.10	0.3 ST
Endosulfan Sulfate	¬)	כ	Ð	_	D	>	0.10	1
4,4'-DDT	>	כ	Þ	כ	ס	כ	D.	0.10	0.2 ST
Methoxychlor	>	>	⊃		כ	כ	כ	0.50	35 ST
Endrin Ketone	<u></u>	כ	· >	יַ	כ	ภ	コ	0.10	5.57
Endrin Aldehyde)	כ		כ	D	5	כ	0.10	5 ST
alpha-Chlordane) D	. .	· -	ס	0	ב	D	0.05	0.05 ST
gamma-Chlordane	>	ח		⊃	J	Ð	כ	0.05	0,05 ST
Toxaphene	ר	ລ	כ	D)	n	>	5.0	0.06 ST
Aroclor-1016	כ	ח	5	⊃	כ	⊃)	1.0	0.09 ST *
Aroclor-1221	5	>	כ))	כ	כ	ב	2.0	. TS 60,0
Aroclor-1232	כ	⊃	5)	כ	D	כ	1.0	. TS 60,0
Aroclor-1242	⊃	>	ח	⊃	ב	D	ם	1.0	0.09 ST *
Aroclor-1248	כ	>	D	D	ח	ס	ם	1.0	0.09 ST *
Aroclor-1254	2	⊃ -	⊃	ח	Ð	>		1.0	0.09 ST *
Aroclor-1260	⊃	כ	D	ח	ָח	D	ח	1.0	* TS 60.0
Total PCBs	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

QUALIFIER: U: Compound analyzed for but not detected

NOTES:
*: Value applies to the sum of these substances GV; Guidance Value
ST: Standard

---: not established Indicates value exceeds NYSDEC Class GA

REMEDIAL INVESTIGATION AND FEASIBILITY STUDY LEACHATE SAMPLE RESULTS - JUNE 2000 INORGANIC PARAMETERS - UNFILTERED TRIMMER ROAD LANDFILL SITE TABLE 1d.

Date of Collection		-	~	4	*6	9-	7-7	Instrument	Groundwater
Date of Collection	5		1		00,00,00	00,00	00/00/00	Dotooton	Standard or
Dilution Factor	00/80/90	00/80/90	00/08/00	00/80/90	00/80/90	00/90/00	00/00/00	Delection	Stalldald Of
	1.0	1.0	1.0	1.0	1.0	0.1	1.0	Limit	Guidance Value
Units	(l/an)	(nd/)	(l/gn)	(//bn)	(l/gn)	(µgn)	(l/gn)	(ng/l)	(l/gn)
Aluminum	4 890	10 900	41.000	6,210	9,620	28,900	1,820	6	-
Antimony	=	=	=	<u> </u>	2	<u> </u>	<u> </u>	4	3.ST
Amonio	יי מ	7 0 8	73.6		7.0 8	ם ס	10.9	2	25 ST
Alselle	7.7 1		2 660	347	398	770	154 B	2	1,000 ST
Bendling	3	860	2.0 B	0.24 B	0.48 B	1.3 B	Þ	0.2	3 GV
Cadmim	5.8	27.5	25.0	3.1 B	8.3	19.9	4.3 B	0.2	5.57
Calcina	170.000	291.000	346,000	77,500	122,000	143,000	137,000	234	
Chromitm	8 cm	27.2	50.5	17.2	15.6	38.4	1.1 B	9.0	50 ST
Carolina III	12.5 E	888	59.9	16.3 B	17.2 B	37.3 B	6.3 B	0.7	1
Copper	15.6 B		204	9.7 B	13.9 B	19.1 B	3.3 B	ις	200 ST
Loo	84 500	77.700	280.000	44,200	118,000	363,000	75,800	2	300 ST ^
700	24.7	693	217	22.3	66.8	81.2	10.7	7	25 ST
Madpesium	36 900	42 800	43.500	55,800	37,600	906'65	28,100	2	35,000 GV
Mandanese	3 190	1.610	4.160	486	750	1,430	516	6:0	300 ST ^
Meroricae	0.120	26	0.34	n	Π	n	Э	0.7	0.7 ST
Niovol	20.0 20.0 E	133	249	46.6	61.3	111	21.3 B	6.0	100 ST
Dotoseium	56 100	35,400	43 900	214.000	81,000	133,000	47,600	320	1
Colonium	80	15.7		17.3	<u></u>	כ	כ	ო	10 ST
Silver	. o	10.8	31.5	5.1 B	16.7	32.9	8.5 B	23	50 ST
1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	49.400	41 100	31 000	403.000	128,000	195,000	51,900	132	20,000 ST
Social F	J-	22.1				n)	2	0.5 GV
Verse di use	9 0	35.7 B	83.1	121B	19.0 B	51.0	3.0 B	9.0	-
Vailadiui	2 0.01		3 040	90.4	344	325	148	61	2,000 GV
Cyanide	-	52 B	5.9 8	2.6 B	2.0 B	4.6 B	7.7 B	2	200 ST

QUALIFIERS:
U: Compound analyzed for but not detected
B: Compound concentration is less than the CRDL
but greater than the IDL.

NOTES:

^: The combined standard for iron and manganese is 500 ug/l Indicates value Indicates Value In

Trimmer June 2000rp Leachate Chem.xls

REMEDIAL INVESTIGATION AND FEASIBILITY STUDY SUBSURFACE SOIL SAMPLE RESULTS - DECEMBER 1999 VOLATILE ORGANIC COMPOUNDS TRIMMER ROAD LANDFILL TABLE 2a.

Sample Identification	TD.5		
Sample Denth	2.57	Contract	NYSDEC
Date of Collection	12/21/99	Required	Recommended
Dilution Factor	1.0	Detection	Soil Clean-Up
Percent Moisture	39	Limit	Objective
Units	(ug/kg)	(ug/kg)	(ng/kg)
Chloromethane)	10	
Bromomethane	⊃	10	-
Vinyi Chloride	⊃	10	200
Chloroethane	-	10	1,900
Methylene Chloride)	10	100
Acetone	⊃	10	200
Carbon Disulfide	5	10	2,700
1,1-Dichloroethene	>	10	400
1,1-Dichloroethane	5	10	200
1,2-Dichloroethene (total)	5	10	300
Chloroform	⊃	10	300
1,2-Dichloroethane	כ	10	100
2-Butanone	⊃	10	300
1,1,1-Trichloroethane	⊃	10	800
Carbon Tetrachloride	>	10	009
Bromodichloromethane	n	10	+====
1,2-Dichtoropropane	⊃	10	ļ
cis-1,3-Dichloropropene	>	10	1
Trichloroethene	D	10	700
Dibromochloromethane	5	10	-
1,1,2-Trichloroethane	⊃.	10	
Benzene	>	10	09
Trans-1,3-Dichloropropene	<u> </u>	10	More
Bromoform	> :	10	
4-Methyl-2-Pentanone	⊃:	0 ;	1,000
2-Hexanone	> :	0 :	
Tetrachloroethene	→	10	1,400
1,1,2,2-Tetrachloroethane	→ →	9	009
Toluene	 	5	1,500
Chlorobenzene	D	10	1,700
Ethylbenzene	>	6	5,500
Styrene	כ	10	[
Total Xylenes	Ŋ	10	1,200
Total VOCs	0		10,000
Total VOC TICs	0		
OHALIERDS.			

QUALIFIERS:
U: Compound analyzed for but not detected
J: Compound found at aconcentration below the CRDL, value estimated
J: Compound found at aconcentration below the CRDL, value estimated
J: Result taken from reanalysis at a 1:250 dilution
U*: Result qualified as non-detect based on validation criteria
U*: Result qualified as non-detect based on validation criteria

2 of 3

Trimmer Subsurface Soil Chem.xls

TABLE 2b.
TRIMMER ROAD LANDFILL
REMEDIAL INVESTIGATION AND FEASIBILITY STUDY
SUBSURFACE SOIL SAMPLE RESULTS - DECEMBER 1999
SEMIVOLATILE ORGANIC COMPOUNDS

Sample Identification	TP-5		
Sample Depth	2.5	Contract	NYSDEC
Date of Collection	12/21/99	Required	Recommended
Dilution Factor	1.0	Detection	Soil Clean-Up
Percent Moisture	39	Limit	Objective
Units	(ng/kg)	(ng/kg)	(63/6n)
Phenol	n	920	30 OR MDL
bis(2-Chloroethyl)ether	□	220	1
2-Chlorophenol	ם	220	800
1,3-Dichlorobenzene	-	550	1,600
1,4-Dichlorobenzene	ם	550	8,500
1,2-Dichlorobenzene	<u>⊃</u> .	550	2,900
2-Methylphenol	⊃	550	100 OR MDL
2,2-Oxybis (1-Chloropropane)	→	550	1.
4-Methylphenol	⊃	220	006
N-Nitroso-di-n-propylamine	>	550	E-Min-e
Hexachloroethane	כ	550	
Nitrobenzene	>	550	200 OR MDL
Isophorone	⊃	550	4,400
2-Nitrophenol	⊃	550	330 OR MDL
2,4-Dimethyiphenol	<u> </u>	550	
2,4-Dichlorophenol	⊃	550	400
1,2,4-Trichlorobenzene	כ	220	3,400
Naphthalene	>	220	13,000
4-Chloroaniline	D	220	220 OR MDL
bis(2-Chloroethoxy)methane	⊃	550	
Hexachlorobutadiene		550	
4-Chloro-3-methylphenol	>	550	240 OR MDL
2-Methyinaphthalene	<u></u>	220	36,400
Hexachlorocyclopentadiene	>	220	1
2,4,6-Trichlorophenol	⊃	1400	
2,4,5-Trichlorophenoi	⊃	220	100
2-Chloronaphthalene	ח	1400	1
2-Nitroaniline	⊃	220	430 OR MDL
Dimethylphthalate	>	220	2,000
Acenaphthylene	<u></u>	550	41,000
2,6-Dinitrotoluene	⊃ ·	550	_
3-Nitroaniline	 ⊃	1400	500 OR MDL
Acenaphthene		220	20,000
2,4-Dinitrophenol	>	1400	200 OR MDL
4-Nitrophenol	> :	1400	100 OR MDL
Dibenzofuran	O	220	002'9

SUBSURFACE SOIL SAMPLE RESULTS - DECEMBER 1999 REMEDIAL INVESTIGATION AND FEASIBILITY STUDY SEMIVOLATILE ORGANIC COMPOUNDS TRIMMER ROAD LANDFILL TABLE 2b. (CONTINUED)

Sample Depth Sample Depth Date of Collection Dilution Factor Percent Moisture	2.5'	Confract	NYSDEC
Date of Collection Dilution Factor Percent Moisture	12/21/99	_	
Dilution Factor Percent Moisture		Required	Recommended
Percent Moisture	1.0	Detection	Soil Clean-Up
	36	Limit	Objective
Units	(ng/kg)	(ug/kg)	(ug/kg)
2,4-Dinitrotoluene	n	220	
Diethylphthalate	⊃	220	7,100
4-Chlorophenyl-phenylether	<u></u>	220	
Fluorene	⊃	550	20,000
4-Nitroaniline	⊃ —	1400	-
4,6-Dinitro-2-methylphenol	<u></u>	1400	-
N-Nitrosodiphenylamine)	550	
4-Bromophenyl-phenylether	⊃ : —	220	3
Hexachlorobenzene	> =	550 1400	410 100 OR MDL
r entachiologienoi Dhenanthrene) ⊃	220	50,000
Anthracene	· ⊃	220	50,000
Carbazole	_	550	
Di-n-butylphthalate	_	920	8,100
Fluoranthene	<u></u>	550	50,000
Pyrene	⊃	550	50,000
Butylbenzylphthalate	⊃	550	50,000
3,3'-Dichlorobenzidine	_	550	
Benzo (a) anthracene	<u></u>	220	224 OR MDL
Chrysene	⊃ : —	550	400
bis(2-Ethylhexyl)phthalate	⊃ : —	220	20,000
Di-octylphthalate	⊃ : 	220 	20,000
Benzo(b)fluoranthene) 	550	1,188
Benzo(k)fluoranthene	⊃	220	
Benzo(a)pyrene	⊃	220	61 OR MDL
Indeno(1,2,3-cd)pyrene	⊃	550	3,200
Dibenzo(a,h)anthracene	⊃ 	550	14 OR MDL
Benzo(g,h,i)perylene	⊃ [!]	550	50,000
Total PAHs	0		
Total Carcinogen PAHs	0		10,000
Total SVOCs	0		500,000
Total SVOC TICs	0		

NOTES: To determine the detection limit for each sample, use the following equation: (CRDL)*(IDF)*(100/%S), where CRDL = contract required detection limit, DF = dilution J: Compound found at a concentration below the detection limit QUALIFIERS:

U. Compound analyzed for but not detecte factor and %S = percent solids. B: Compound found in the method blank at ---; not established D: Value is a result of analysis with a dilution factor of 2.0

Indicates value exceeds NYSDEC recommended Soil Clean-up objective

TRIMMER ROAD LANDFILL SITE TABLE 3a.

REMEDIAL INVESTIGATION AND FEASIBILITY STUDY GROUNDWATER SAMPLE RESULTS - JANUARY 2000

VOLATILE ORGANIC COMPOUNDS

				,							1-1-1	AC 00010 0000014
							٠		ļ		Contract	NYSDEC Class GA
Sample Identification	MW-1D	MW-1S	MW-2D	MW-2S	MW-3D	WW-3S	MW-4D	WW-4S	MW-5D	MW-5S	Required	Groundwater
Date of Collection	01/26/00	01/26/00	01/26/00	01/26/00	01/26/00	01/26/00	01/27/00	01/27/00	01/27/00	01/27/00	Detection	Standard or
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	Limit	Guidance Value
Units	(/bn)	(l/gn)	(l/gu)	(l/gn)	(l/gn)	(l/gn)	(l/gn)	(I/6n)	(l/gn)	(l/gn)	(l/gn)	(J/Bn)
Chloromethane	n	D	n	ח	n	n	n	D	>	>	10	5.ST
Bromomethane	ח	>	ס	ם	ב	ח	ב	ם		D	10	5.8T
Vinyl Chloride	_	ס	ח	5	ח	n	n	8/)	110	10	2 ST
Chloroethane	ם	⊃	ס	Ð	כ	Ð	ກ	5 J		15	1 0	5 ST
Methylene Chloride	_)	ם	⊃	ם -	'n	ב)	n	10	5.ST
Acetone		_	⊃	ם	<u></u>	n	3 JB	7 JB	3 JB	3.1B	10	50GV
Carbon Disulfide	· ⊃	>	0	ח	ח	n	⊃	⊃	⊃	ס	9	may not be
1.1-Dichloroethene	· ⊃	⊃	ח	כ	n n	Þ	ח	ס	D	ם ס	10	5 ST
1.1-Dichloroethane	n		ח	ם	Þ	n	Ð	כ	>	1 ل	10	5.ST
1,2-Dichloroethene (total)	Π)	ם כ	מ	n	⊃		210 D		54	0	5 ST *
Chloroform	n	>	ם	ב ב	Þ	n	⊃	n	⊃	<u> </u>	6	7.81
1,2-Dichloroethane	ח	ס	ם	D.	⊃	⊃	J	>	⊃)	10	0.6 ST
2-Butanone	n	2 5	ח	כ	⊋	J)	⊃ ') :	⊃ :	£ ;	50GV
1,1,1-Trichloroethane	n	ים	כ	Þ	<u></u> ⊃	⊃	>	>	- ⊃ :	→ :	2 5	ñ d
Carbon Tetrachloride	ກ	n	ອ	⊃	⊋	¬)	> :	> :) :	5 9	100
Bromodichloromethane	ລ	יב	ก	Þ	Ω	⊃	ם ס	>) :	o :	2 (2000
1,2-Dichloropropane	ב	ກ	ה	n	ລ	ח	ם)	- :	o :	2 9	10.1 # F3.10
cis-1,3-Dichloropropene	n	n	ສ	Þ	ם ס	ɔ	D	⊃ ·)	o ·	2 9	0.4 ST
Trichloroethene	ח	כ	ອ	⊃	⊃	D	ɔ :	2 3	o :	4 ن	2 9	18.6
Dibromochloromethane	ח	n	ב	ם	⊃	D .		⊃ :	o :	o :	2 9	200c
1,1,2-Trichloroethane	ם	⊃	ה	⊃	ם ב	⊃	_ .	n	→		2 (, to
Benzene	ລ	ח	בי	>	ם	D))	3 J	n :	f 9	2 9	18.1
Trans-1,3-Dichloropropene	.၁	ר	ภ	ī	ם	>	D) :	⊃ :	o :	2 (0.4 31
Bromoform	ກ	ອ	5	ב	>	-	n :	⊃ :	> :	o :	2 (A500
4-Methyl-2-Pentanone	ລ	5	ວ	⊃	>	>	o :	o :	⊃ :	o :	= ;	
2-Hexanone	ב	ລ	ສ	⊃	D D	>	n	D :	> :) :	2 9	A5000
Tetrachloroethene	ח	n	<u></u>	 ⊃	ے ا	D.	n	0	> :	o :	2 (- PO - F
1,1,2,2-Tetrachloroethane	ם	ים	'n	<u> </u>	ס)	n D	D	⊃	D :	0 !	551 101
Toluene	5	n	n	ח	¬)		⊃	- :		,	20.4
Chlorobenzene	n	כ	ລ	⊃	¬	⊃	→	13	<u></u> -	11	2 ;	- PO U
Ethylbenzene	כ	ם	ם		ס	D.	כ	⊃)	o ;	0 9	100
Styrene	n	2	ב	ב	D	>	>	⊃	<u> </u>	>	 	100
Total Xylenes	ב	ń	ם	ລ	ס -	<u></u>	n	1 ر	ב	D	10	5.51
Total VOCs	0	2	0	0	0	0	3	319	eo	204		
Total VOC TICs	0	0	0	0	0	0	0	0	0	0		

QUALIFIERS:

- U: Compound analyzed for but not detected
- B: Compound found in the blank as well as the sample
- J: Compound found at a concentration below the CRDL, value estimated
 - D. Value is a result of analysis with a dilution factor of $2.0\,$
- U*: Result qualified as non-detect based upon validation criteria

NOTES:

- *. Value pertains to cis-1,2 Dichloroethene and trans-1,2 Dichloroethene individually
 - **: Value pertains to the sum of the isomers GV: Guidance Value

 - ST: Standard
- --- Not established

TRIMMER ROAD LANDFILL SITE Table 3a. (continued)

REMEDIAL INVESTIGATION AND FEASIBILITY STUDY GROUNDWATER SAMPLE RESULTS - JANUARY 2000

VOLATILE ORGANIC COMPOUNDS

				70/	VOLA IILE ORGANIC COMPOUNDS		CONDS				10004000	ALYSTIEL Class CA
					-						Contract	
Sample Identification	MW-6D	MW-6S	MW-7D	MW-75	MW-8D	NW-8S	MW-9D	S6-MM	MW-10D	MW-10S	Required	Groundwater
Date of Collection	01/27/00	01/27/00	01/27/00	01/27/00	01/27/00	01/27/00	01/27/00	01/27/00	01/26/00	01/26/00	Detection	Standard or
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	Limit	Guidance Value
ation.	(l/bn)	(l/bn)	(l/bn)	(l/bn)	(l/gn)	(l/gn)	(J/Bn)	(l/gn)	(l/gn)	(l/gn)	(ng/l)	(l/gn)
Chloromethane		n	n	7	n) 	Þ	Э	Þ	ם	10	- 2231
Bromomethane	ם מ		כ	n	ב	₽	⊐	j	Ð	⊃	40	5 ST
Vinyl Chloride) <u></u>	ם י	4 J	<u> </u>	ח	Π	⊃	16	D	ם	10	2 ST
Chloroethane	=		n	ח	7	n	⊃	24	ח	⊃	10	5.ST
Mothylana Chlorida) <u> </u>	<u> </u>) =	· ::		D	⊃	D	D		10	5ST
Acetone	و م	, c	14 B	2 JB	5 JB	2 JB	e JB	5 JB	ס	D.	0,	50GV
Corpor Disulfide	3 =	=			→	⊃	n	J	⊃	>	70	1
1 1-Dichloroethene	> =	» =	· ⊃		ח	ລ	n	2 5	ם	D	10	5 ST
1, 1-Diolinorostinoros) <u>=</u>	=) =	=	ח	ם	n	46	D	⊋	10	5 ST
1, 1-Dioliologuiane	o =	> =	> =	, =	-	5	⊃	57	J	>	10	5 ST *
1,z-Dicfiloloemene (lotar)) =	> =	> =	> =	> =	· =	1		⊃	¬	10	7 ST
Chlorotorm	ב כ	o =	> =	> =) <u>=</u>	=) =		n	ב	10	0.6 ST
1, z-Dicnioroetrane	⇒ - ,	.) - u	> =	, -	=	2		⊃	⊃	10	50GV
2-Butanone	, :) .	0	> =	· =	=) =	13	· ⊃	ח	10	5.ST
1,1,1-1 remoremane	ב כ	> =	> =	> =) =	=	-	n	⊃	ח	10	5.ST
Carbon Tetrachlonde	ם כ	5 5) =	> =	> =	=) =	· 10	⊃	၁	10	50GV
Bromodichloromethane	ב כ) <u></u>	> =	D =	> =	=) <u>-</u>	> =	· ⊃	ກ	10	1ST
1,Z-Dichloropropane	5) .	> =	> =) =	> =	0	:	<u></u>	ກ	10	0.4 ST **
CIS-1, 3-DICRIO DIODENE	o =) <u>-</u>	> =	> =) =) <u>-</u>	- 0	21	ח	n	9	5 ST
l richloroethene	o =) .	> =	> =) =) <u> </u>	ם מ	n	ח	ລ	10	50GV
Ulbromocnioromenane	o =	> =		> =) =) ⊃	ם ס	n	ח	ם	9	1ST
1,1,2-1fichiotoethane	o =	> =	> =) =))) ⊃	ח	4 J	n	ב	10	181
Delizelle Terre 4.2 Dieblommenen	o =	· =	=) <u> </u>) =		n	n	⊃	>	10	0,4 ST **
Trans-1,5-Dictionopropene	o =	· > =) .	> =) =))	כ	n	ם	10	50GV
Digital Contractor	o =	o =	> =	> =) =	د ٍ ت	⊃	n	ח	כ	5	* Line
4-Melliyt-z-Fellianone	o	o =	, α	> =	> =		<u></u>	n	⊃	ם	10	20GV
Z-nexanorie	<u>-</u>	> =	3 =	> =) =		· ¬	⊃	n	_	10	5 ST
l etrachioroethene	o :	5	· > =	ם כ) <u>=</u>) <u>=</u>	5	n	⊃)	9	5.ST
1,1,2,2-1 etrachloroethane	> :	o :	o -) =	> =	> =) =))	⊃		10	5 ST
loluene	>	> ,=	7	o =		> =	- -	16	.⊃	>	10	5 ST
Chlorobenzene	o =	o =	- <u>-</u>	=) ==) =	_ 	Π	D	Ö	10	5ST
Emylogiizerie	> =	> =	> =) =		=	=	⊃		_	10	5 ST
Styrene	> =	o =) <u>"</u>) –) <u> </u>) D	ס	1	⊃)	10	5.ST
Hotel Ayleries	7,0		28	0	9	2	9	205	0	0		
lotal vocs	71	י כ	27	ų c) (C	0	0	0		****
Total VOC FICS	0	0	0	0	5	>	>	,				

QUALIFIERS:

- U: Compound analyzed for but not detected
- B. Compound found in the blank as well as the sample
- J: Compound found at aconcentration below the CRDL, value estimated
 - U*: Result qualified as non-detect based upon validation criteria

NOTES:

- *. Value pertains to cis-1,2 Dichloroethene and trans-1,2 Dichloroethene individually
 - **: Value pertains to the sum of the isomers GV; Guidance Value
 - ST: Standard

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TABLE 3b.
TRIMMER ROAD LANDFILL SITE
REMEDIAL INVESTIGATION AND FEASIBILITY STUDY
GROUNDWATER SAMPLE RESULTS - JANUARY 2000
SEMIVOLATILE ORGANIC COMPOUNDS

				SEMINO	LATILEOR	SEMIVOLATILE ORGANIC COMPOUNDS	POUNDS					
											Contract	NYSDEC Class GA
Sample Identification	MW-1D	MW-1S	MW-2D	MW-2S	MW-3D	MW-3S	MW-4D	MW-4S	MW-5D	MW-5S	Required	Groundwater
Date of Collection	01/26/00	01/26/00	01/26/00	01/26/00	01/26/00	01/26/00	01/27/00	01/27/00	01/27/00	01/27/00	Detection	Standard or
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	Limit	Guidance Value
Units	(l/a/l)	(l/bn)	(J/Bn)	(l/gn)	(J/Bn)	(l/gn)	(l/gn)	(l/gn)	(ng/l)	(l/gn)	(ng/t)	(l/gn)
Phenol	n	ם כ	Ò	ņ	ח	n	ם	n	ر ۱		0	1 ST.
bis (2-Chloroethyl) ether	כ	⊃	>	⊃	ח	⊃	⊃	כ	<u></u>	=	10	- S-
2-Chlorophenol	כ	_	_	⊃	ם	⊃	ລ	כ)	5	10	181
1 3-Dichlorohenzene		_	<u></u>	D	⊃	⊃	_)	5		5	3 ST
1, 2-District observation) =))	· - ⊃	Э	ח	כ	⊃	ი ი	⊃	ວ ຄ	10	3 ST
1,4-Diction obsitions	=) =) =		Π	⊃	n	כ	⊃	⊃	9	3 ST
1,Z-Diciliolopenzene) <u> </u>) =	=) <u> </u>		· ⊃	ם	ລ	ב	כ	9	1
Z-wellyphierlor) =	- -	=	=) =	- =	<u> </u>	_	2	_	10	1
Z.ZOxybis (1-Chiotopiopalie)	ב כ	<u> ج</u>	> =) =) =) =	, 5	>	ח	_	10	
4-ivietny ipnenoi) <u>:</u>) <u>:</u>) =	=	=	=	· =	· ⊃	>	_	9	the same of the sa
N-Nitroso-di-n-propylamine	>	> =) =) =	=	> =	> =	∍⊃	⊃	_	10	5 ST
Hexachioroetnane)) :	-	> =	=	=	=	. 5		_	10	0.4 ST
Nitrobenzene	o :	o :	o :	> =	> =) =	=) =	- =	П	10	50 GV
Isophorone)	⊃ :	> :	o :	o :	o :	> =) <u>.</u>) =) <u> </u>	÷ ¢	
2-Nitrophenol	ב	=	- -	o :	> :)	> :	o =) <u>-</u>) =	5 5	*
2,4-Dimethylphenol	⊃	<u></u>	<u> </u>	<u></u>	- :	o :	> :	э:	o :) =	2 5	*
2,4-Dichlorophenol	כ	כ	<u></u>	⊃	⊃ :	o :	o :) :	o :) =	5 5	- L
1,2,4-Trichlorobenzene	כ	>	>	⊃ -	⊃)	o :	> :	o :	> =	2 5	70.0
Naphthalene	כ	,⊃	כ	<u> </u>	⊃	⊃	⊃ :	⊃ :	o :	o :	2 (5 to
4-Chloroaniline	<u></u>	<u></u>	5	5	⊃)	-	<u></u>	o :	o :	2 (- Form
bis (2-Chloroethoxy) methane	כ	<u></u>	n	<u></u>	⊃	⊃	⊃ :	⊃:	o :	o :	2 (100
Hexachlorobutadiene	ב	כ	-	<u></u>		⊃))	o :	o :	2 9	2.0
4-Chloro-3-methylphenol	⊃	ი ი				> :	o :	<u>:</u> ب	o :) =	2 Ç	
2-Methylnaphthalene	⊃	⊃)	:	> :	J :	o :	> =	> =	> =	5 5	TS: 5
Hexachlorocyclopentadiene	⊃	⊃	>	-	> :	o :)	D =	> =) =	5 5	- - - -
2,4,6-Trichlorophenol	⊃	n :	o :	⊃ :) :)	> :	> =) =	=	5 K	- 1
2,4,5-Trichforophenol	⊃ :	⊃ :	o :	⊃ :	э: 	5 :	o =	> =	> =	=) C	5.ST
2-Chloronaphthalene	<u> </u>)	o :	o :	o :)	o :) <u>-</u>	=)· <u> </u>	, κ	TS S
2-Nitroaniline	⊃ :	<u>-</u>	⊃ :	> :	5 :	o :	o ::	o =) <u> </u>	=	2 0	20 GV
Dimethylphthalate	<u> </u>	> :	o :	> :	ɔ:) :		o =	=) =	o Ç	
Acenaphthylene	→	<u></u>)	→ :	> :)	o :) =	> =) <u>::</u>	÷ (-	5 ST
2,6-Dinitrotoluene	⊃)	o :	⊃ :	o :	o :	> =) <u>:</u>) I) =	, K	5.ST
3-Nitroaniline	⊃	<u> </u>	o :	⊃ :)): -) : 	> =	> =) ::	÷	20 GV
Acenaphthene	⊃	⊃	o :	> :	> :) :) : 	o =) <u>=</u>	=	; K	* TS T
2,4-Dinitrophenal	⊃	⊃ ¹	o :	⊃ : —	ɔ:))	> =	> =	> =	2 K	: 1
4-Nitrophenol	⊃	>	<u> </u>	⊃ :	э: -	ɔ :) : -	> :	> =) =) Ç	111111111111111111111111111111111111111
Dibenzofuran	⊃	⊃	<u> </u>	>)	> :)	o =	ם כ) =	÷ (-	TS S
2,4-Dinitrotoluene	o l	o	0	ח	כ	5	ם	0		,		

REMEDIAL INVESTIGATION AND FEASIBILITY STUDY GROUNDWATER SAMPLE RESULTS - JANUARY 2000 SEMIVOLATILE ORGANIC COMPOUNDS TRIMMER ROAD LANDFILL SITE TABLE 3b. (CONTINUED)

											10.11	
											Connact	INTERCORES GA
Sample Identification	MW-1D	MW-1S	MW-2D	MW-2S	MW-3D	MW-3S	MW-4D	MW-4S	MW-5D	MW-5S	Required	Groundwater
Date of Collection	01/26/00	01/26/00	01/26/00	01/26/00	01/26/00	01/26/00	01/27/00	01/27/00	01/27/00	01/27/00	Detection	Standard or
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	Limit	Guidance Value
Trife	()(2(1)	(LIO/)	(I/DII)	(l/an)	(na/))	(l/bn)	(l/bn)	(l/gn)	(l/gn)	(l/gn)	(J/Bn)	(l/gu)
310	182	7.65	(1.00.1)				=		n	1)	10	50 GV
Diethylphthalate	o:	o :	o :)) :) <u>-</u>) <u>:</u>) <u>=</u>) <u> </u>	. =	, Ç	22 10 22 22
4-Chiorophenyl-phenylether	→	→	>	>	>	> :	ɔ :	o :	o :	o =	2 5	700
Fluorene	_	⊃	>	⊃	<u> </u>	⊃	<u> </u>	-	⊃ :	ɔ :	2 (20 c
4-Nitroaniline	_)	-	_	n n	>	>	<u> </u>	<u> </u>	5	0.	200
4.6-Dinitro-2-methylphenol	_	5	О	<u></u>	<u></u>	⊃.	ລ	>	n	n	52	
N-Nifrosodiphenylamine		<u></u>	n) 	<u></u>	D	ઝ	J	⊃)	25	50 GV
A Bromonhenyl-nhenylether	· =	• =			⊃)	ລ	<u></u>	⊃	כ	9	-
11000 obligations	=	> =	=	· =	=		::	⊃	>	D	10	0.04 ST
nexachioroperizerie) <u>-</u>	o =) =) =) =) =	, D	5	D	-	10	1 ST *
Pentacilloropherio	> =	> =	> =) =) =) =	, D	<u></u>	5	ລ	22	50 GV
Phenanthrene)	5 =) =	> =) =	=	· =	_	5	-	10	50 GV
Anthracene	o :	> :	o =	> =	> =	> =) <u>=</u>		-	=	10	
Carbazole))	o :	o :	o :	> =) =) <u></u>) <u>:</u>) =	10	50 ST
Di-n-butylphthalate	→ :	o :	> :	o :	- -) <u>-</u>) <u>-</u>) <u>:</u>) =	> =	. 5	50 GV
Fluoranthene	<u> </u>	> :	⊃ : 	o :	o :	o :	-) <u>.</u>) =) =	5 5	50 GV
Pyrene	⊃ —	>	>	o :	> :) :	o :	> :) :) =	5 5	75 05
Butylbenzylphthalate	⊃	כ	<u> </u>	⊃ :	<u></u> : c	o :	o :	o :	> =) =	2 6	, r
3,3'-Dichlorobenzidine	⊃	>	> 	<u> </u>	<u> </u>	> :) 	o :	: c) : -	5 5	7000
Benzo (a) anthracene	⊃	ລ	<u></u>	<u> </u>	⊃) :	⊃ :	o :) :) : 	2 5	V.502.0
Chrysene	כ	>	⊃	⊃ 	⊃	⊃ ·	o 				5 5	, 0.300. P.O. 7.
bis (2-Ethylhexyl) phthalate	15	4	13	2 .	13	2	F 9	ر ا	77	0	5 6	100
Di-n-octylphthalate)	ລ	n	<u></u>)	> :	o :	D :	> =	o =	5 5	70 CU
Benzo (b) fluoranthene	כ	ລ	<u> </u>	⊃	<u> </u>)) 	o ;	> :	o :	5 6	0,002 GV
Benzo (k) fluoranthene	כ	כ	<u></u>	⊃	⊃∶	⊃ :	⊃ :) ;	o:	o :	5 6	7002.0 Fo GM
Benzo (a) pyrene	⊃	5	<u> </u>	⊃	⊃	⊃	<u> </u>	⊃ : —) ; 	o :	2 9	70000
Indeno (1,2,3-cd) pyrene	כ	5	D	>	⊃	⊃	⊃ 	-	⊃ :)	2 (0.002.6
Dibenzo (a.h) anthracene	כ	>	5	→	⊃	<u> </u>	⊃	<u>م</u>	<u> </u>	o :	2 :	ž 1
Benzo (a.h.i) pervlene	ב	⊃	⊃	⊃	⊃	⊃	⊃	n	o l	O	10	
Total PAHs	0	0	0	0	0	0	0	0	0	0		Warnes.
Total Carcinogen PAHS	0	0	0	0	0	0	0	0	0	0		
Total SVOCs	15		13	2	13	2	9	12	23	22		
Total SVOC TICs	c	0	0	0	0	0	0	0	0	0		
Total Care and												

QUALIFIERS:

- J: Compound found at a concentration below the detection limit U: Compound analyzed for but not detected B: Compound found in the method blank as well as the sample

GV: Guidance value ST: Standard NOTES:

- ---: Not established

- *. Value pertains to total phenols Indicates value exceeds NYSDEC Class GA groundwater standard or guidance value.

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TABLE 3b. (CONTINUED) TRIMMER ROAD LANDFILL SITE REMEDIAL INVESTIGATION AND FEASIBILITY STUDY GROUNDWATER SAMPLE RESULTS - JANUARY 2000 SEMIVOLATILE ORGANIC COMPOUNDS

				CEIMING	A I LE C	SEIVEVOLA ILLE ORGANIC COMPOGNOS	E CONDO				Contract	NYSDEC Class GA
a citatinal alama o	MAN GD	ARAI SC	MM.77	SZ-WW	MW-8D	MW-8S	MW-9D	MW-9S	MW-10D	MW-10S	Required	Groundwater
Date of Collection	01/2/100	01/27/00	01/27/00	01/27/00	01/27/00	01/27/00	01/27/00	01/27/00	01/26/00	01/26/00	Detection	Standard or
Dilution Factor	1.0	1.0	1.0	1.0	0.1	0.1	1.0	1.0	1.0	1.0	Limit	Guidance Value
Total	(J/an)	(l/bn)	(na/j)	(l/bn)	(l/bn)	(l/gn)	(l/gn)	(l/gln)	(l/gn)	(J/Bn)	(J/Bn)	(l/gn)
Phenol	1	n	6)		D N	n	ח)		n :	10	1 ST *
his (2-Chloroethyl) ether	<u></u>	ם כ	P	<u></u>	_	>	⊃	כ	ສ	⊃	10	181
2-Chlorophenol	· ⊃	· ⊃	o	_	⊃	<u> </u>	⊃	ລ)	⋾	10	1 ST *
2 Ciliotophicinos			0	_	\Box	⊃		כ	Þ	⊃	10	3.87
1,0-Dichlorobenzene	=	- =	· ⊃	Ġ	⊃	⊃		2 J	<u> </u>	⊃	9	3.57
1,4Dichlorobenzene	> =) <u> </u>) >	· ⊃		0	2	>	⊃	2	10	3.87
2-Methylphenol))		· -	_		⊃	⊃	ח	⊃	כ	9	1
2.7-Oxybie (1.Chloropropane)) <u>_</u>) ==			>	⊃	<u></u>	כ	⊃	∩	9	-
Z.ZOxyols (T.O.IIIO) proparie)	=) II	بر ر) ⊃)	J	_	⊋	⊃	⊃	5	
N-Mitroso.di-n-monylamine) =) ==		· >	⊃	_	_	Ω	<u> </u>	_	9	
Hexachloroethane)) ⊃) ⊃	· ⊃	_	⊃	>	Ω	⊃	⊃	9	5.ST
Nitrobenzene	· =	· ==	_	<u></u>	5	⊃	⊃	n	⊃	⊃	5	0.4 ST
Interpolation) =) <u></u>	- =	· ⊃	_	⊃	_	⊃	⊃	⊃	2	20 GV
) <u> </u>	> =) <u></u>) =		⊃)	n	_	⊃	6	
Z-Introprietor	> =	=	> =) =) =)	_		⊃	⊃	9	1 ST *
Z.4-Dinjedisjiphellol	> =) =) <u>:</u>) <u>=</u>) =	=======================================)	O	<u></u>	10	1 ST *
2,4-Ulchiorophenol) :	o :) = 	> =	> =	=) <u> </u>) =		⊃	10	5 ST
1,2,4-Trichlorobenzene) :)) : -)	> =	> =	> =) =) =		0	10 GV
Naphthalene	<u> </u>	> :	ɔ:) : -	o :)) ====================================	> =	=	=	. 5	F8.62
4-Chloroaniline	<u></u>	> :	<u> </u>)	o :	> :) <u>:</u>) =	> =	> =	2 5	5.S.T
bis (2-Chloroethoxy) methane	⊃) :	- :	⊃ :	o :)) =	> =	o =	> =	5 5	0.5.ST
Hexachlorobutadiene	=	<u> </u>	<u>ت</u> د	: c	o :	> :	> =	> =) =	=	5 5	
4-Chloro-3-methylphenol	⊃	>	n :	> :	> :	> :	o :	o =	> =	> =	2 5	1
2-Methylnaphthalene	⊃ ·	<u> </u>	-	ɔ:	o :	> :) : -) <u>-</u>	> =	> =	2 5	5.ST
Hexachlorocyclopentadiene	⊃ :) :	o :	o :	o :	o :	> =) =	> =	> =	Ç	al herecan
2,4,6-Trichlorophenol	⊃))	Э: 	o :	o :	> =) -	> =	=	, c	a spilate
2,4,5-Trichlorophenol	⊃	-	o :) : c) : 	o :) =) =	=	> =) C	5.ST
2-Chloronaphthalene	⊃.))	⊃ :	o :)	o :	o =	> =) <u>"</u>	. K	S ST
2-Nitroaniline	⊃	o	>	> :	> :	ɔ:	o :	> =	ם כ) ::	3 5	50 GV
Dimethylphthalate	⊐		-	<u> </u>	= :	> :	o :)	o :	כ כ	5 5	, ,
Acenaphthylene	⊃)	<u> </u>	<u> </u>	>	э: —) : 	o :) I) <u>_</u>	5 5	T.S. T.
2,6-Dinitrotoluene	_	⊃	>	<u> </u>	>	⊃ ;	o :	o :	> :) =	5 K	- L
3-Nitroaniline	⊃	⊃	>	⊃	> :		> :	> :	o =) <u>:</u>	3 5	\S\C
Acenaphthene	⊃	⊃	⊃	⊃	D :	⊃ :	⊃:))) I	5 હ્	* F.S
2,4-Dinitrophenol	⊃	⊃	⊃	D	D :	> :	> :	o :) :) <u>:</u>	3 K	<u> </u>
4-Nitrophenol	⊃	o o	<u></u>	⊃	⊃	-	> :	o :) :) :	3 5	
Dibenzofuran	כ)	כ	o o	D	<u> </u>	⊃ :)	ت د -	o =	5 5	TS T
2.4-Dinitrotoluene	כ)	<u></u>	>	n	n)	5	2	2	2	
												4

GROUNDWATER SAMPLE RESULTS - JANUARY 2000 REMEDIAL INVESTIGATION AND FEASIBILITY STUDY SEMIVOLATILE ORGANIC COMPOUNDS TRIMMER ROAD LANDFILL SITE TABLE 3b. (CONTINUED)

											40.00	40 cccl0 010000
												NI SUEC CIASS GA
Sample Identification	MW-6D	MW-6S	MW-7D	MW-7S	MW-8D	MW-8S	MW-9D	MW-9S	MW-10D	MW-10S	Required	Groundwater
Date of Collection	01/27/00	01/27/00	01/27/00	01/27/00	01/27/00	01/27/00	01/27/00	01/27/00	01/26/00	01/26/00	Detection	Standard or
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	Limit	Guidance Value
Units	(l/gn)	(l/gn)	(l/gn)	(l/gn)	(l/gn)	(J/Bn)	(l/bn)	(l/gn)	(l/gn)	(J/Bn)	(l/gu)	(J/Sn)
Diethylphthalate	כ	=	ח	n	n	Ω	n	n	n	n	10	50 GV
4-Chlorophenyl-phenylether	Þ)	5)	5	ח	5	כ	כ	כ	10	
Fluorene		⊃	n	ລ	כ	כ	<u></u>	כ	D	⊃	01	50 GV
4-Nitroaniline	ח)	ח	5	⊃	⊃	D	<u></u>	<u></u>	⊃	22	5 ST
4,6-Dinitro-2-methylphenol	ב	<u> </u>	כ)	⊃	o)	_	⊃	⊃	52	-
N-Nitrosodiphenylamine	⊃	J	ס)	D	⊃	ח	כ	>	D	10	50 GV
4-Bromophenyl-phenylether	⊃	ם	_	⊃	ລ	>	כ	J	⊃	ב	10	
Hexachlorobenzene	¬	n	_	כ	כ	5		n	⊃	⊃	10	0.04 ST
Pentachlorophenol	Þ	⊃	3	כ	D	⊃			Ω	⊃	25	1.ST*
Phenanthrene	J	5	כ		ח)	⊃	⊃	⊃	⊃	10	50 GV
Anthracene	⊃	o)	⊃	D	⊃	⊃	כ	כ	Þ	0,	50 GV
Carbazole	>	_	⊃	5	ב כ	כ	<u></u>	D	⊃	⊃	10	
Di-n-butylphthalate	>	⊃	5	>	⊃	D	>	ח	⊃	⊃	10	50 ST
Fluoranthene	> -	כ	כ	J	_		ם	⊃	⊃	⊃	5	50 GV
Pyrene	O	⊃	⊃	Ω	ב	ח	⊃	D	כ	5	10	50 GV
Butylbenzylphthalate	D	⊃	⊃	⊃	כ	ב	⊃	⊃	n	כ	10	50 GV
3,3'-Dichlorobenzidine)	⊃	Ω	ב	<u> </u>	n	⊃	⊃	⊃	⊃	10	5 ST
Benzo (a) anthracene	2		D	כ	⊃	ס	D	⊃	⊃	⊃	10	0.002 GV
Chrysene	כ	ב	⊃	⊃	⊃	D	⊃	⊃	⊃	ב	10	0,002 GV
bis (2-Ethylhexyl) phthalate	5 5	ກ ຕ	20	16	2 2	2	22	8 J	4 J	5. J	10	5ST
Di-n-octylphthalate	⊃	 ⊃	₽	⊃	ב	כ) J	⊃	⊃		10	50 GV
Benzo (b) fluoranthene	<u></u>	_	⊃	D	⊃	כ כ	⊃	⊃	⊃	כ	10	0.002 GV
Benzo (k) fluoranthene	5	כ	כ	⊃	_ 	⊃	⊃	∩	_	⊃	10	0,002 GV
Benzo (a) pyrene	_)	⊃	⊃	⊃	⊃	⊃	Þ	⊃		10	ND ST
Indeno (1,2,3-cd) pyrene	ס	⊃	⊃	∩	⊃	⊃	Þ	כ	D	כ	10	0.002 GV
Dibenzo (a,h) anthracene	⊃	⊃	n	D	⊃	⊃	⊃	D	⊃	⊃	10	
Benzo (g,ħ,i) perylene)	Ð	כ	⊃	⊃	⊃	⊃	⊃	⊃	ב	10	
Total PAHs	0	0	0	0	0	0	0	0	0	0		
Total Carcinogen PAHs	o	0	0	0	0	0	0	0	0	0		No militare
Total SVOCs	9	က	31	16	2	2	22	10	4	5		
Total SVOC TICs	0	0	0	0	o	0	0	0	0	0		A

QUALIFIERS:

J: Compound found at a concentration below the detection limit U: Compound analyzed for but not detected B: Compound found in the method blank as well as the sample

NOTES: GV: Guidance value ST: Standard

....: Not established
*: Value pertains to total phenols

Indicates value exceeds NYSDEC Class GA groundwater standard or guidance value.

REMEDIAL INVESTIGATION AND FEASIBILITY STUDY GROUNDWATER SAMPLE RESULTS - JANUARY 2000 PESTICIDE/PCBs TABLE 3c. TRIMMER ROAD LANDFILL SITE

										•	Contract	NYSDEC Class GA
Sample Identification	MW-1D	MW-1S	MW-2D	MW-2S	MW-3D	WW-3S	MW-4D	MW-4S	MW-5D	MW-5S	Required	Groundwater
Date of Collection	01/26/00	01/26/00	01/26/00	01/26/00	01/26/00	01/26/00	01/27/00	01/27/00	01/27/00	01/27/00	Detection	Standard or
Dilution Factor	1.0	1.0	1.0	1.0	4.0	1.0	1.0	1.0	1.0	1.0	Limit	Guidance Value
Units	(l/gn)	(l/gu)	(J/Bn)	(l/gn)	(l/gn)	(J/Bn)	(J/Bn)	(l/gn)	(J/Bn)	(l/gn)	(/gn)	(ng/l)
alpha-BHC	n)	ח	n	n	Þ	כ	ח	n	ר	90'0	0.01 ST
beta-BHC	⊃	>	⊃	>	D .	>	ם	э _	כ	ה	90.0	0.04 ST
delta-BHC	_	ב		כ	>)	כ	5	⊃)	0.05	0,04 ST
gamma-BHC (Lindane)	-	⊃	<u></u>	<u> </u>	· >	5	ם	ם	⊃	<u> </u>	0.05	0.05 ST
Heptachlor	5	ם -)	⊐	כ	⊃		כ	כ	כ	0,05	0.04 ST
Aldrin	Þ	5	<u> </u>		כ	J	ם	⊃	ם		0.05	TS QN
Heptachlor Epoxide)	5	כ	כ	ב	Þ	<u></u>	<u> </u>	כ	כ	0.05	0.03 ST
Endosulfan i	5)	J	כ	5	_	⊃	כ	D	D	0.05	ı
Dieldrin	כ	⊃	D	Þ	⊃	-	>	ם	D	ם	0.10	0.004 ST
4,4'-DDE)	<u></u>	מ	⊃	ם	ח		כ	D	ם	0.10	0.2 ST
Endrin	כ	Þ	⊃	כ	⊃)	⊃	כ	⊃	ລ	0,10	ND ST
Endosulfan II	ם	5	5	Þ	>	ב	ם	ם כ	D.)	0.10	1
4,4'-DDD	⊃	>	>		5	ם	D	ב	כ	⊃	0.10	0.3 ST
Endosulfan Sulfate	ם ס	D	<u> </u>	⊃	2	⊃)	Þ	_	⊃	0.10	Madau
4,4'-DDT	ם ס	כ	⊃		⊃	_	כ	⊃	כ	ב	0,10	0.2 ST
Methoxychior	<u></u>	5)	<u></u>	>	⊃	ລ)		D	0.50	35 ST
Endrin Ketone	ם	ם	⊃		<u> </u>	ב		>	n	D	0.10	5 S.T
Endrin Aldehyde	כ	>)		<u></u>	ם)	ב	Ω	5	0.10	5 ST
alpha-Chlordane	כ	ο.	_ _	n	Þ	D	כ	J)	>	0.05	0.05 ST
gamma-Chlordane	ם	>	Þ	⊃		⊃	כ	D	ב	ח	0.05	0.05 ST
Toxaphene	ב ב))	<u> </u>)	כ	o	D.	っ	5,0	0.06 ST
Aroclor-1016	<u></u>	ם		ם	ם כ	5	J	כ	⊃	O	1.0	.TS 60.0
Aroclor-1221	Þ)	<u></u>	ס	<u> </u>	Þ	⊃)	D	Þ	2.0	* TS 60.0
Aroclor-1232	>	<u> </u>		>		>	Þ	ר	ב	D	1,0	0.09 ST *
Aroclor-1242	כ	<u></u>	>	 	⊃)		o	⊃	⊃	1.0	0.09 ST *
Aroclor-1248	Þ		>	_	_	>	⊃	'n	⊃	⊃	1.0	0.09 ST *
Aroclor-1254	⊃	⊃	· ⊃	⊋	_	_	>	2)	n	1.0	0,09 ST [↑]
Aroclor-1260	ח	ס	_ ວ	D	כ	כ	ם	n	n	'n	1.0	0.09 ST *
Total PCBs	0.0	0:0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

QUALIFIER: U: Compound analyzed for but not detected

NOTES:
*: Value applies to the sum of these substances GV: Guidance Value ST: Standard

---: not established

Indicates value exceeds NYSDEC Class GA groundwater standard or guidance value

TRIMMER ROAD LANDFILL SITE REMEDIAL INVESTIGATION AND FEASIBILITY STUDY GROUNDWATER SAMPLE RESULTS - JANUARY 2000 PESTICIDE/PCBS TABLE 3c. (CONTINUED)

NYSDEC Class GA	Groundwater	Standard or	Guidance Value	(l/gn)	0.01 ST	0.04 ST	0.04 ST	0.05 ST	0,04 ST	ND ST	0.03 ST	1	0,004 ST	0.2 ST	TS QN	1	0.3 ST		0.2 ST	35 ST	5 ST	5 ST	0.05 ST	0.05 ST	0.06 ST	0,09 ST *	* TS 60.0	0.09 ST *	0.09 ST *	. TS 60.0	* TS 60.0	0.09 ST *	
Contract	Required	Detection	Limiť	(l/gu)	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0,10	0,10	0.10	0.10	0.10	0.10	0.10	0.50	0.10	0.10	0.05	0.05	5.0	1.0	2.0	1.0	1,0	1.0	1.0	1.0	
	MW-10S	01/26/00	1.0	(l/gn)	ב	⊃	כ	ם	כ	Þ	⊃	5	>	⊃	⊃	⊃	Ð	⊃	D	Þ	ח	コ)	Þ	⊃	⊃	ח)	כ	ח	⊃	0,0
	MW-10D	01/26/00	1.0	(J/Bn)	ב	ח	ລ	>	_	ם ס	ח	o	5	5	D.	>	Þ	>	⊃	>)	ם	Þ))	כ	Ο	כ	⊃	_	ם	ב	0.0
	S6-MM	01/27/00	1.0	(l/6n)	כ	>	5	<u></u>	ח	<u> </u>	>	⊃	⊃	5	כ	D	⊃	5	<u>.</u>	כ	⊃	>	J	コ	⊃	כ	_	⊃	5	ב	⊃	⊃	0.0
٠.	MW-9D	01/27/00	1.0	(l/gn)	ב	Þ	-	⊃	>		⊃	D	<u> </u>	ב	n	כ	-	٦	D	>	ב	⊃	_	ב	n	⊃	⊃	ב)	⊃		ב	0.0
	MW-8S	01/27/00	1.0	(l/gn)	>	>		⊃	ב	>	כ	⊃	>	<u></u>	_		⊃	<u> </u>	ם.	>)		ב	⊃	⊃	ב	ם	>	ב	<u> </u>)	D	0.0
	MW-8D	01/27/00	1.0	(ng/l)	ב	ב	_	5	ב	⊃	⊃	-		ח	<u> </u>		⊋		-	ם	⊃	>	<u></u>		⊃	ח	י	⊃	⊃	כ	כ)	0.0
•	MW-7S	01/27/00	1.0	(l/gn)	n		 -	כ	>	ב	ם	<u></u>	>	ֹ	ם	>	כ	<u> </u>		>	>	D	ם	n	ם י	ב)	>		ח	⊃)	0.0
	MW-7D	01/27/00	1.0	(l/gu)	n	⊃	>	⊃	ב	⊃		_ :	-	⊃	_	<u></u>	כ	⊃	כ	-	ם	<u> </u>	<u></u>	-	⊃	 ⊃	_ 	⊃	>	Þ	_)	0.0
	MW-6S	01/27/00	1.0	(J/gn)	Э	כ	_	ם	⊃	ב	ລ	⊃	ב	<u> </u>	⊃	>	כ	· D	כ	⊃	>	- -	>	ם)	D .	⊃	ם	ם	⊃	⊃	ב	0.0
	MW-6D	01/27/00	1.0	(l/gn)	D	כ	כ	⊃	⊃	 כ		ס	>	ם כ	_ 	⊃	כ	ລ	⊃	5	>	_ _	ס	n	ב	n n		O))	_	כ	0.0
	Sample Identification	Date of Collection	Dilution Factor	Units	alpha-BHC	beta-BHC	delta-BHC	gamma-BHC (Lindane)	Heptachlor	Aldrin	Heptachlor Epoxide	Endosulfan I	Dieldrin	4,4'-DDE	Endrin	Endosulfan II	4,4'-DDD	Endosuifan Sulfate	4,4'-DDT	Methoxychlor	Endrin Ketone	Endrin Aldehyde	alpha-Chlordane	gamma-Chlordane	Toxaphene	Aroclor-1016	Aroclor-1221	Arodor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs

QUALIFIER: U: Compound analyzed for but not detected

NOTES:
*: Value applies to the sum of these substances GV: Guidance Value ST: Standard

---: not established Indicates value exceeds NYSDEC Class GA groundwater standard or guidance value

REMEDIAL INVESTIGATION AND FEASIBILITY STUDY GROUNDWATER SAMPLE RESULTS - JANUARY 2000 INORGANIC PARAMETERS - UNFILTERED TRIMMER ROAD LANDFILL SITE TABLE 3d.

									NYSDEC Class GA
Sample Identification	MW-1D	MW-1S	WW-2D	MW-2S	MW-3D	MW-3S	MW-4D	Instrument	Groundwater
Date of Collection	01/26/00	01/26/00	01/26/00	01/26/00	01/26/00	01/26/00	01/27/00	Detection	Standard or
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	0.1	Limit	Guidance Value
Units	(l/gn)	(l/Bn)	(µ6n)	(l/gn)	(J/Bn)	(J/Bn)	(J/Bn)	(J/Bn)	(l/gn)
Aluminum	938	22,000	337	3,320	665	3,680	398	6	
Antimony)	⊃	כ	ס		o	5.5 B	4	3.87
Arsenic	21.0	16.5	21.3	כ	8.1 B	⊃	6.1 B	7	25 ST
Barium	67.8 B	217	65.0 B	110 B	114 B	546	46.8 B	2	1,000 ST
Beryllium	⊃	1.2 B	כ	כ	כ	0.20 B	ס	0.2	367
Cadmium	0.51 B	3.3 B	0.95 B	0.76 B	0.80 B	0.77 B	0.60 B	0.2	5 ST
Calcium	226,000	135,000	3,580 B	119,000	63,800	206,000	141,000	234	
Chromium	⊃	36.0	1.5 B	3.0 B	כ	2.1 B	<u>م</u>	9.0	50 ST
Cobalt	⊃	21.0 B	5	2.7 B		3.7 B	<u> </u>	0.7	
Copper	7.5 B	12.0 B	5.3 B	9.1 B	о _	J	<u></u>	2	200 ST
Iron	4,220	33,200	8,310	5,000	5,830	5,870	7,060	7	300 ST A
Lead	D	n	Э	3.4	ח	D	Þ	8	25 ST
Magnesium	39,200	35,300	713 B	28,400	13,100	38,700	21,900	2	35,000 GV
Manganese	271	755	51,9	187	106	490	144	6:0	300 ST A
Mercury	n	n	ח	n	ο.	Π	ח	0.1	0.7 ST
Nickei	1.9 B	50.3	6,4 B	7.8 B	2.5 B	20.1 B	_	6.0	100 ST
Potassium	84,000	26,500	8,080	6,660	18,100	10,800	129,000	320	
Selenium	D.	5	כ	D	ם	כ	כ	က	10 ST
Silver	ם	5.6 B	o	כ	ם ה	ס	2.7 B	2	50 ST
Sodium	1,400,000	428,000	161,000	52,200	406,000	250,000	3,340,000	132	20,000 ST
Thallium	4.7 B	3.9 B	3.2 B	2.5 B	2.8 B	2.5 B	2.4 B	2	0.5 GV
Vanadium	54.5	59.4	n	36.1 B	15.6 B	49.3 B	29.6 B	9.0	
Zinc	11.4 B	94.8	12.0 B	18.5 B	9.5 B	19.9 B	9.8 B	7	2000 GV
Cyanide	7.8 B	6.4 B	4.9 B	4.9 B	5.2 B	6.3 B	11.4	2	200 ST

QUALIFIERS:
U. Compound analyzed for but not detected
B. Compound concentration is less than the CRDL
but greater than the IDL.

NOTES:

A: The combined standard for iron and manganese is 500 ug/l Indicates value exceeds NYSDEC Class GA groundwater standard or guidance value

REMEDIAL INVESTIGATION AND FEASIBILITY STUDY GROUNDWATER SAMPLE RESULTS - JANUARY 2000 INORGANIC PARAMETERS - UNFILTERED TRIMMER ROAD LANDFILL SITE TABLE 3d. (CONTINUED)

Sample Identification MM4-4S MM4-5D MM4-5D MM4-5D MM4-5D MM4-5D MM4-5D Instrument Instrument Groundwater Diate of Collection 01/27/00 <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>,</th> <th></th> <th>NYSDEC Class GA</th>								,		NYSDEC Class GA
Collection 01/27/00	Sample Identification	MW-4S	MW-5D	MW-5S	MW-SD	MW-6S	MW-7D	IMW-7S	Instrument	Groundwater
Factor 1.0<	Date of Collection	01/27/00	01/27/00	01/27/00	01/27/00	01/27/00	01/27/00	01/27/00	Detection	Standard or
(ug/l) (ug/l)<	Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	Limit	Guidance Value
m 11,200 827 8,030 33.9 B 5,060 4,480 4,960 9 y 17,3 16,0 58 P 1,280	Units	(l/gu)	(l/gn)	(l/gn)	(l/bn)	(l/Sn)	(ng/l)	(l/gu)	(J/Bn)	(J/Bn)
y 110 0 0 58B 0 19.8 5.4B 2 16.00 457B 1280 437B 437B 49.0 19.8 5.4B 2 16.00 457B 1280 130B 1280 124B 16B 2 n 6.22 B 0.39 B 2.0 B 0.62 B 1.7 B 1.2 B 1.3 B 0.2 n 16.8 B 1.1 B 3.9 B 0.0 C 2.2 B 0.2 B	Aluminum	11,200	827	8,030	33.9 B	5,060	4,480	4,960	တ	
17.3 16.0 58.7 4.7 B 49.0 19.8 5.4 B 2 1 (530) 45.7 B 1.280 130 B 590 124 B 166 B 2 n 2.2 B 0.38 B 2.08 B 2.08 B 0.027 B 0.27 B 0.27 B 0.27 B 0.27 B 0.27 B 0.27 B 0.27 B 0.27 B 0.27 B 0.27 B 0.22 B 0.27 B 0.27 B 0.22 B 0.27 B 0.22 B 0.22 B 0.27 B 0.22 B 0.22 B 0.22 B 0.22 B 0.22 B 0.24 B 0.22 B 0.	Antimony	5	D .	>	5,8 B	<u></u>	5	⊃	4	3ST
(1630) 45.7 B (1280) 130 B 590 124 B 166 B 2 n1 0.52 B 0.9 0.41 B 0.0 0.0 0.24 B 0.27 B 0.2 n1 0.52 B 0.0 0.52 B 0.0 0.20 B 0.52 B 0.0 0.2 0.0 n1 1.9.8 1.1 B 8.4 B 0.0 1.50 B 0.2	Arsenic	17.3	16.0	58.7	4.7 B	49.0		5.4 B	2	25 ST
1 0.52 B 0.34 B 0.24 B 0.24 B 0.27 B 0.27 B 0.27 B 0.27 B 0.27 B 0.27 B 0.27 B 0.27 B 0.27 B 0.27 B 0.27 B 0.27 B 0.27 B 0.23 B 0.23 B 0.23 B 0.23 B 0.23 B 0.23 B 0.23 B 0.23 B 0.23 B 0.23 B 0.23 B 0.23 B 0.24 B 0.24 B 0.24 B 0.23 B 0.23 B 0.23 B 0.23 B 0.23 B 0.24 B 0.22 B 0.24 B 0.24 B 0.24 B 0.24 B 0.24 B 0.24 B 0.24 B 0.24 B 0.24 B 0.24 B 0.24 B 0.24 B 0.24 B 0.24 B 0.24 B 0.24 B 0.24 B 0.24 B 0.25 B 0.24 B 0.27 B 0.24 B 0.27 B 0.24 B 0.27 B 0.24 B 0.27 B 0.24 B 0.27 B 0.24 B 0.27 B 0.22 B 0.24 B 0.25 B 0.25 B 0.25 B 0.25 B 0.25 B 0.25 B 0.25 B 0.25 B 0.25 B 0.25 B 0.25 B 0.25 B	Barium	1,630	_	1,280	130 B	590		166 B	2	1,000 ST
2.2 B 0.39 B 2.0 B 0.52 B 1.7 B 1.2 B 1.3 B 0.2 19.8 1.1 B 35,200 28,000 125,000 45,700 229,000 234 19.8 1.1 B 130 B U 5.1 B 3.2 B 0.6 8.1 B 1.1 B 130 B U 0.8 B 3.0 0.7 8.1 B 1.1 B 13.0 B 1,470 8,620 10.800 6,560 2 1.6,200 5,230 17,800 1,470 8,620 10,800 6,560 2 1.6,200 6,280 17,800 1,470 8,620 10,800 6,560 2 1.6,200 6,280 10,0 U U	Beryllium	0.52 B	⊃	0.41 B	<u> </u>	0.30 B		0.27 B	0.2	3 GV
m 19.8 11.8 8.4 B U 5.1 B 5.1 B 2.8 B 0.6 16.8 B 1.1 B 8.4 B U 5.1 B 5.1 B 2.8 B 0.7 4.6 B 1.1 B 13.0 B U 5.1 B 5.2 B 0.7 9.7 16.200 5.290 17.800 1,470 8.620 10.800 6.560 2 um 6.280 17.800 1,470 8.620 11.900 0 0 0 see 6.280 10.200 6.1 B 6.1 B 6.2 B 1.9 B 11.3 B 17.7 B 16.7 B 0.9 res 4.260 41.100 29.60 74.400 9.020 38,300 8.690 0.9 n 6.1 B 6.1 B 1.9 B 11.3 B 17.7 B 16.7 B 0.9 s 5.3 B U U U U U U U s 6.3 B U U U U	Cadmium	2.2 B		2.0 B	0.52 B	1.7 B		1.3 8	0.2	5ST
mm 19.8 1.1 B 8.4 B U 5.1 B 2.7 B 2.8 B 0.6 8.1 B 1.1 B 13.0 B U 3.9 B 2.7 B 3.9 B 0.7 8.1 B 1.1 B 13.0 B 1470 0 U 6.560 2 um 4.260 92.8 2.860 81.3 B 81.5 B 23.1 B 147 0.9 see 4.260 92.8 S 2.860 81.3 B 81.5 B 23.1 B 147 0.9 n 0 0 0 0 0 0 0 0 0 see 6.280 102.000 81.3 B 81.5 B 17.7 B 14.7 D 0.9 n 0 0 0 0 0 0 0 0 road 44.900 41.100 2.18 B 74.400 9,020 38,300 8,690 32.0 n 0 0 0 0 0 0 0	Calcium	358,000	35,200	370,000	289,000	125,000	45	229,000	234	i.
16.8 B 1.1 B 13.0 B U 3.9 B 2.7 B 3.9 B 0.7 16,200 5,290 17,800 1,470 8,620 10,800 6,560 2 105,000 6,280 10,2000 51,300 29,300 11,900 52,700 2 10 U	Chromium	19.8		8.4 B	<u>ה</u>	5.1 B		2.8 B	9.0	50 ST
8.1 B U 5.4 B U 0 6.8 B U 6.5 G 16,200 5,290 17,800 1,470 8,620 10,800 6,560 2 um 105,000 6,280 102,000 51,300 29,300 11,900 52,700 2 see 4,260 92,8 2,880 81,3 81,5 231 147 0,9 n 4,260 92,8 2,880 1,9 B 11,3 B 17,7 B 15,7 B 0,9 n 4,260 41,100 29,600 74,400 9,020 38,300 8,690 320 n 4,900 4,100 0 0 0 0 0 0 0 0 n 6,3 B 0 5,1 B 0 0 0 0 0 0 0 0 n 489,000 1,150,000 63,20 53,7 B 3,7 B 2,7 B 2,7 B 2 n 125	Cobalt	16.8 B		13.0 B	Π	3.9 B	2.7 B	3.9 B	0.7	-
16,200 5,290 17,800 1,470 8,620 10,800 6,560 2 105,000 6,280 10,000 51,300 29,300 11,900 52,700 2 105,000 6,280 102,000 51,300 29,300 11,900 52,700 2 10 U	Copper	8.1 B	5	5.4 B	<u> </u>	⊃	6.8 B	<u> </u>	10	200 ST
um U	Iron	16,200	5,290	17,800	1,470	8,620	10,800	099'9	2	300 ST ^
um 105,000 6,280 102,000 51,300 29,300 11,900 52,700 2 sse 4,260 92.8 2,880 81.3 81.5 231 147 0.9 70.6 6.1 B 66.9 1,9 B 11.3 B 17.7 B 15.7 B 0.0 1 5.3 B 41,100 29,600 74,400 9,020 38,300 8,690 320 1 5.3 B U U U U U U U U 0.9 489,000 1,080,000 423,000 1,150,000 68,300 581,000 86,900 132 1 6.9 B 117 716 6.9 B 3.7 B 2.7 B 2 1 9.5 B 117 71.6 6.9 B 17.7 B 6.4 B 70.7 0.6 1 2.0 B 5.0 B 6.0 B 5.1 B 6.4 B 2 2	Lead	n	n	ב	∩	ם	ລ	Π	8	25 ST
sse 4,260 92.8 2,880 81.3 815 231 147 0.9 70.6 6.1 B 66.9 1,9 B 11.3 B 17.7 B 15.7 B 0.1 1 70.6 6.1 B 66.9 74,400 9,020 38,300 8,690 320 1 0 0 0 0 0 0 0 3 5.3 B 0 44,900 42,600 74,400 9,020 38,300 8,690 320 1 5.3 B 0 0 0 0 0 0 0 0 0 0 320 320 320 320 320 0	Magnesium	105,000	6,280	102,000	51,300	29,300	11,900	52,700	2	35,000 GV
TO.6 6.1 B 66.9 1.9 B 11.3 B 17.7 B 15.7 B 0.0 TO.6 6.1 B 66.9 1.9 B 11.3 B 17.7 B 15.7 B 0.9 TO.0 44,900 41,100 29,600 74,400 9,020 38,300 8,690 320 TO.0 U U U U U U 0 0 0 0 0 0 320 320 320 320 320 320 320 0	Manganese	4,260	92.8	2,880	81.3	815	231	147	6.0	300 ST ^
70.6 6.1 B 66.9 b 1.9 B 11.3 B 17.7 B 15.7 B 0.9 1 44,900 41,100 29,600 74,400 9,020 38,300 8,690 320 1 5.3 B U U U U U 0 0 489,000 1,080,000 423,000 1,150,000 68,300 581,000 86,900 132 0 6.9 B 17, B 6.9 B 3.7 B 2.7 B 2 0 125 9.5 B 117 47.8 B 6.9 B 17.7 B 0.6 34.4 8.1 B 22.0 5.0 B 14.8 B 17.7 B 6.4 B 2 7.9 B 5.0 B 9.2 B 6.0 B 5.1 B 6.4 B 2	Mercury	ם	ח	n	n	D	Ω	ס	0.1	0.7 ST
m 44,900 41,100 29,600 74,400 9,020 38,300 8,690 320 1 U U U U U U U U 0 3 489,000 1,080,000 423,000 1,150,000 68,300 581,000 86,900 132 n 125 9,5 B 17 4,7 B 6,9 B 3.7 B 2.7 B 2 n 125 9,5 B 117 71,6 42,8 B 19,5 B 70,7 0,6 34,4 8,1 B 22,0 5,0 B 6,0 B 5,1 B 6,4 B 5	Nickel	9.07		6.99	1.9 B	11.3 B	17.7 B	15.7 B	6.0	100 ST
1 U U U U U U U O	Potassium	44,900	41,100	29,600	74,400	9,020	38,300	8,690	320	-
5.3 B U 5.1 B U 0 2.4 B U 2 489,000 1,080,000 423,000 1,150,000 63,300 581,000 86,900 132 n 6,9 B 1 4,7 B 6,9 B 3,7 B 2,7 B 2 n 125 9,5 B 117 71,6 42,8 B 19,5 B 70,7 0.6 34,4 8,1 B 22,0 5,0 B 6,0 B 5,1 B 6,4 B 6,4 B 5,4 B 2	Selenium	⊃	n	5	5	⊃)	D	က	10 ST
489,000 1,080,000 423,000 1,150,000 68,300 581,000 86,900 132 n 125 9,5 B 117 71,6 47,B 6,9 B 3,7 B 2,7 B 2 34,4 8,1 B 22,0 5,0 B 14,8 B 17,7 B 22,1 2 7.9 B 5,0 B 9,2 B 6,0 B 5,1 B 6,4 B 6,4 B 6,4 B 2	Silver	5,3 B	n	5.1 B	5		2.4 B	כ	2	50 ST
n 6.9 B 3.7 B 2.7 B 2 n 125 9.5 B 117 71.6 42.8 B 19.5 B 70.7 0.6 34.4 8.1 B 22.0 5.0 B 14.8 B 17.7 B 22.1 2 7.9 B 5.0 B 9.2 B 6.0 B 5.1 B 6.4 B 6.4 B 2	Sodium	489,000	1,080,000	423,000	1,150,000	68,300	581,000	96,900	132	Z0,000 ST
m 125 95B 117 716 42.8B 19.5B 70.7 0.6 34,4 8.1B 22.0 5.0B 14.8B 17.7B 22.1 2 7.9B 5.0B 6.0B 5.1B 6.4B 5.4B 2	Thallium	ח		D	4.7 B	6.9 B	3.7 B	2.7 B	2	0.5 GV
34.4 8.1 B 22.0 5.0 B 14.8 B 17.7 B 22.1 2 7.9 B 5.0 B 6.0 B 5.1 B 6.4 B 5.4 B 2	Vanadium	125		117	71.6	42.8 B	19.5 B	7.07	9.0	1
7.9 B 5.0 B 6.0 B 5.1 B 6.4 B 6.4 B 2	Zinc	34.4		22.0	5.0 B	14.8 B	17.7 B	22.1	7	2000 GV
	Cyanide	7.9 B		9.2 B	6.0 B	5.1 B	6.4 B	6.4 B	2	200 ST

QUALIFIERS:
U. Compound analyzed for but not detected
B. Compound concentration is less than the CRDL
but greater than the IDL.

NOTES:

The combined standard for iron and manganese is 500 ug/l
 Indicates value exceeds NYSDEC Class GA groundwater standard or guidance value

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REMEDIAL INVESTIGATION AND FEASIBILITY STUDY GROUNDWATER SAMPLE RESULTS - JANUARY 2000 INORGAMIC PARAMETERS - UNFILTERED TRIMMER ROAD LANDFILL SITE TABLE 3d. (CONTINUED)

								NYSDEC Class GA
Sample Identification	MW-8D	MW-8S	MW-9D	MW-9S	MW-10D	MW-10S	Instrument	Groundwater
Date of Collection	01/27/00	01/27/00	01/27/00	01/27/00	01/26/00	01/26/00	Detection	Standard or
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	Limit	Guidance Value
Units	(l/gu)	(l/gn)	(l/gn)	(y6n)	(l/Bn)	(l/gn)	(y/6n)	(l/gn)
Aluminum	892	8,480	730	17,800	723	3,460	6	1
Antimony	כ	4.2 B	<u></u>	5.7 B	⊃	n	4	3.ST
Arsenic	17.8	6.8 B	15,5	13.2	13.1	31.5	2	25 ST
Barlum	238	198 B.	59.2 B	1,690	30.9 B	288	2	1,000 ST
Beryllium	ס	0.44 B	כ	0.73 B	⊃	0.22 B	0.2	36V
Cadmium	2.2 B	1.0 B	1.8 B	3.1 B	0.46 B	0.95 B	0.2	5.ST
Calcium	80,100	676,000	28,400	333,000	30,500	153,000	234	1
Chromium	<u></u>	<u></u>	5.4 B	30.3	2.4 B	4.7 B	9.0	50 ST
Cobalt	1.2 B	5.8 B	1.0 B	32.9 B	כ	4.3 B	7.0	1
Copper	n	כ	>	8.7 B	ວ	D	c)	200 ST
Iron	23,800	9,810	12,800	25,600	4,060	5,900	2	300 ST ^
Lead	Π	ס	ກ	D	. Π	2.1 B	2	25 ST
Magnesium	18,700	263,000	5,020	106,000	5,580	33,900	7	35,000 GV
Manganese	221	261	166	2,820	91.7	1,130	6.0	300 ST A
Mercury	n	⊃	ח	n	Λ	D	0.1	0.7 ST
Nickei	6.2 B	19.8 B	6.4 B	128	2.5 B	15.2 B	6.0	100 ST
Potassium	25,500	17,100	39,900	97,900	26,400	8,300	320	1
Selenium	J	<u></u>	<u> </u>	⊃	D	⊃	ო	10 ST
Silver	4.1 B	2.4 B	3.18	6.2 B	ם د	D	7	50 ST
Sodium	352,000	449,000	000,786	740,000	496,000	88,500	132	Z0,000 ST
Thallium	3.6 B	7.0 B	3.0 B	ם	4.5 B	2.7 B	2	0.5 GV
Vanadium	16.0 B	190	3.0 B	133	8.5 B	42.8 B	9.0	
Zinc	7.7 B	9.1 B	12.0 B	44.3	9.0 B	18.0 B	7	2000 GV
Cyanide	5.5 B	6.7 B	5.8 B	8.8 B	5.4 B	7.1 B	2	200 ST

QUALIFIERS
U. Compound analyzed for but not detected
B. Compound concentration is less than the CRDL but greater than the IDL.

NOTES:

A: The combined standard for iron and manganese is 500 ug/l
 Indicates value exceeds NYSDEC Class GA groundwater standard or guidance value

REMEDIAL INVESTIGATION AND FEASIBILITY STUDY GROUNDWATER SAMPLE RESULTS - JANUARY 2000 INORGANIC PARAMETERS - FILTERED TRIMMER ROAD LANDFILL SITE TABLE 3e.

									יייי פאופס סיייים
Sample Identification	MW-1D	MW-1S	MW-2D	MW-2S	MW-3D	MW-3S	MW-4D	instrument	Groundwater
Date of Collection	01/26/00	01/26/00	01/26/00	01/26/00	01/26/00	01/26/00	01/27/00	Detection	Standard or
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	Limit	Guidance Value
Units	(l/gn)	(l/gu)	(l/gu)	(l/gu)	(l/gn)	(J/Bn)	(I/Bn)	(l/gn)	(l/gn)
Aluminum	9.3 B	201	77.1 B	n	כ	ם	n	6	*******
Antimony	\supset	2		¬	כ	כ	⊃	4	3.ST
Arsenic	4,0 B	2.6 B	16.3	כ	4.0 B	כ	3.3 B	73	25 ST
Barium	57.8 B	84.3 B	50.1 B	71,8 B	103 B	509	44.1 B	2	1,000 ST
Bervilium))		כ	5	_	5	⊃	0.2	367
Cadmium	0.60 B	_	0.21 B	כ	0.73 B	0.29 B	כ	0.2	5.ST
Calcium	220,000	115,000	3,540 B	115,000	63,000	196,000	130,000	234	
Chromium	.			5	<u></u>	<u></u>	⊃	9.0	50 ST
Cobalt	¬	⊃	⊃	⊃	<u></u>	⊋		0.7	1
Copper	⊃	ח	5.4 B	Þ	כ	5.6 B	ລ	သ	200 ST
ron	5,120	22.4 B	927	66.7 B	2,270	17.8 B	109	2	300 ST A
Lead	D	2.2 B	า	כ	2.2 B	ם	⊃	2	25 ST
Magnesium	38,600	25,000	637 B	27,400	12,900	35,800	17,900	2	35,000 GV
Manganese	289	109	19.5	67.4	94.4	408	8.06	6.0	300 ST A
Mercury)	⊃	ר	⊃	n	ภ	D	0.1	0.7 ST
Nickel	1.6 B	B 66'0	0.93 B	1.3 B	1.0 B	11.4 B	ກ	6.0	100 ST
Potassium	76,000	26,900	8,000	6,030	17,900	9,650	138,000	320	-
Selenium	.	<u>ت</u>		5	⊃	⊃	o	ო	10 ST
Silver	· ⊃	ס	¬	>	>	⊃	⊃	2	50 ST
Sodium	1,270,000	542,000	154,000	52,000	408,000	242,000	3,450,000	132	20,000 ST
Thallium	4.4 B		2,9 B	3.2 B	3.5 B	3.2 B	4.0 B	2	0.5 GV
Vanadium	50.8	33.3 B	0.72 B	30.6 B	16.4 B	42.8 B	32,9 B	9.0	I
Zinc	7.8 B	9.7 B	11.5 B	5.4 B	10.5 B	6.5 B	5.2 B	7	2000 GV

QUALIFIERS:

U: Compound analyzed for but not detected B: Compound concentration is less than the CRDL but greater than the IDL.

The combined standard for iron and manganese is 500 ug/l
 Indicates value exceeds NYSDEC Class GA groundwater standard or guidance value

NOTES:

GROUNDWATER SAMPLE RESULTS - JANUARY 2000 REMEDIAL INVESTIGATION AND FEASIBILITY STUDY INORGANIC PARAMETERS - FILTERED TRIMMER ROAD LANDFILL SITE TABLE 3e. (CONTINUED)

								1	NYSDEC Class GA
Sample Identification	MW-4S	MW-5D	MW-5S	CS-WW	MW-6S	MW-7D	MW-7S	Instrument	Groundwater
Date of Collection	01/27/00	01/27/00	01/27/00	01/27/00	01/27/00	01/27/00	01/27/00	Detection	Standard or
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	Limit	Guidance Value
Units	(l/bn)	(l/bn)	(l/gn)	(l/gu)	(l/gn)	(l/gn)	(l/6n)	(l/bn)	(l/gu)
Altıminim	22.1 B	n	10.7 B	ח	D	10.2 B	n	6	
Antimony		4.1 B	5	כ	<u></u>	4.1 B	ס	4	3.ST
Arsenic	7.3 B	6.3 B	6.6 B	2.2 B	36.3	7.6 B	2.3 B	2	25 ST
Barium	1,310		1,160	120 B	546	106 B	163 B	2	1,000 ST
Beryllim		_		>	<u></u>	⊃	<u> </u>	0.2	3 GV
Cadmium	0.52 B	_	0.63 B	5	0.26 B	0.40 B	0.40 B	0.2	5.S.T
Calcium	323.000	34.400	345,000	278,000	122,000	20,000	247,000	234	Parkers .
Chromium))		כ	<u></u>	כ	ח	5	9.0	50 ST
Cobat	7.4 B	n	6.9 B	¬	ס	0.71 B	•	0.7	
Copper	ı ⊃) ⊃	,)	¬	5	ລ	5	ß	200 ST
Iron	299	400	853	12.4 B	2,820	4,300	18.4 B	2	300 ST A
Total T	0	n	n		Э	O	כ	7	25 ST
Magnesium	95.700	060.9	96,500	48,500	28,500	12,800	54,500	2	35,000 GV
Mandanesse	3 500	80.2	2.760	13.5 B	756	220	96.6	6.0	300 ST A
Mercilin	0	n !	Π		כ	Э	⊃	0.1	0.7 ST
Nicke!	49.0	3,5 B	52.9	1.1 B	6.0 B	13.3 B	10.0 B	0.9	100 ST
Potassium	43.600	42.500	31,100	76,100	8,290	37,300	7,350	320	
Selenjim	=				כ	כ	⊃	က	10 ST
Silver) <u>=</u>	, ,	·	ָ ה	ם	ם	<u> </u>	2	50 ST
Sodium	460.000	1.080,000	419,000	1,090,000	74,300	630,000	88,500	132	20,000 ST
Thallium	3.4 B	4.8 B	2.7 B	P	4.2 B	3.3 B	3.2 B	7	0.5 GV
Vanadium	108	10.9 B	108	70.4	37.5 B	18,0 B	62.9	0.6	1
Zinc	3.5 B		4.6 B	2,8 B	4.6 B	5,7 B	3.1 B	2	2000 GV

QUALIFIERS:
U. Compound analyzed for but not detected
B. Compound concentration is less than the CRDL
but greater than the IDL.

NOTES:

The combined standard for iron and manganese is 500 ug/l
 Indicates value exceeds NYSDEC Class GA groundwater standard or guidance value

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REMEDIAL INVESTIGATION AND FEASIBILITY STUDY GROUNDWATER SAMPLE RESULTS - JANUARY 2000 INORGANIC PARAMETERS - FILTERED TRIMMER ROAD LANDFILL SITE TABLE 3e. (CONTINUED)

NYSDEC Class GA

Sample Identification	CIS-MM	WW-8S	MW-9D	MW-9S	WW-10D	MW-10S	Instrument	Groundwater
Date of Collection	01/27/00	01/27/00	01/27/00	01/27/00	01/26/00	01/26/00	Detection	Standard or
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	Limit	Guidance Value
Units	(J/an)	(l/bn)	(l/gn)	(l/gn)	(J/Bn)	(l/Bn)	(l/gn)	(J/Bn)
Aluminum	23.8 B	n N	9.6 B	36.7 B	ם	Π	o,	· Electrical de la constant de la co
Antimony	ם :	ח	<u></u>	5	⊃	⊃	4	3.S.T
Arsenic	E 6'6	n	5.4 B	2.4 B	3,3 B	24.6	2	25 ST
Barium	222	153 B	52.1 B	1,010	25.7 B	252	2	1,000 ST
Bervillim	1	כ		ח	, ⊃	⊃	0.2	367
Cadmium	1,6 B	0.34 B	⊃	0.27 B	0.34 B	n	0.2	5ST
Calcium	80,900	620,000	28,500	310,000	29,600	148,000	234	
Chromitim	٦	n	_	1.4 B	⊃	⊃	9.0	50 ST
Cohat	· '=	12 B	>	26.0 B	-	1,3 B	0.7	I
Conner	ı	ָ 	5	9.8 B	⊃	ב	5	200 ST
Iron	18,200	23.1 B	777	60.2 B	1,270	296	7	300 ST ^
	n	כ	ם	n	2.9 B	Π	2	25 ST
Magnesium	18,800	250,000	5,050	101,000	5,230	32,400	2	35,000 GV
Manganese	209	99.5	116	2,810	80.2	1,000	6.0	300 ST ^
Mercury	n	ח	ח	n	n	ח	0.1	0.7 ST
Nickel	4.3 B	10.4 B	2.6 B	111	n	7.4 B	6.0	100 ST
Potassium	28.000	14,900	38,400	66,400	26,100	7,890	320	ļ
Seleniim		כ		5	⊃	כ	က	10 ST
Silver	3.3 B	ח	כ	Ð	ח	ָר	2	50 ST
Sodium	359,000	419,000	1,010,000	842,000	489,000	91,900	132	20,000 ST
Thallium	4.2 B	6.7 B	4.2 B	2.4 B	4.6 B	3,4 B	2	0.5 GV
Vanadi in	17.8 B	178	8.3 B	115	7.6 B	38.3 B	9.0	!
Zioc	. W	n	6.6 B	4.7 B	7.1 B	5.2 B	7	2000 GV

QUALIFIERS

U: Compound analyzed for but not detected B: Compound concentration is less than the CRDL but greater than the IDL.

The combined standard for iron and manganese is 500 ug/l
 Indicates value exceeds NYSDEC Class GA groundwater standard or guidance valu

NOTES:

REMEDIAL INVESTIGATION AND FEASIBILITY STUDY GROUNDWATER SAMPLE RESULTS - JUNE 2000 VOLATILE ORGANIC COMPOUNDS TRIMMER ROAD LANDFILL SITE TABLE 4a.

NYSDEC Class GA			Guidance Value	(l/gn)	5 ST	5 ST	2 ST	5.ST	5.87	50GV		5.ST	5 ST	5 ST*	7 ST	0.6 ST	50GV	5 ST	5 ST	50GV	1ST	0.4 ST **	5 ST	50GV	1 ST	1ST	0.4 ST **	50GV		50GV	5 ST	5 ST	5 ST	5 ST	5 ST	5 ST	5 ST	i	
Contract	Netallied		Limit	(l/gn)	10	10	10	10	9	. 0	10	10	10	19	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10		
	CC-AAIAI	00/07/00	1.0	(l/gn)	n	5	140	15	ב	_	ວ	<u></u>	2 3	50	n	_	ח	<u>-</u>	2	⊃	-	ר	L E	 כ	כ	r 6	n	ב		>		ח	Þ	16	n	Þ	- o	235	
Cr 76/04	CIC-AAIM	00/07/00	1.0	(l/gn)	P	₽	D	'n	□	ر ا	n	٦	⊃	״	 	⊃	⊃	כ	n	_ 		כ	ם ס	>	D.	2 J	n	ລ		ב	_	ר	_ 	<u></u>		٦	⊃	2	-
26.00	C4-AAIAI	00/01/00	0.1	(l/gn)	Þ	Ð	96	2 J	ב	ם	ח	⊃	⊃	300	٦	⊃	ב	D	Ð	⊃	>	ם	3.	5	Ð	8)	n	כ	⊃	ח	כ	ח	¬	19.7]	 ⊃	כ	428	0
Cr rama	06/07/00	2000	0.1	(l/bn)	Ь	_	כ	_	ח	ם	⊃	Ö	Þ	⊃	<u></u>	⊃	<u></u>	⊃	ח	ב	ח	ס	⊃	⊃	ם	2 J	Ω	ח	- ⊃	⊃	⊃	_	כ	<u>L</u> ⊃		ם ה		2	c
MAIN! OC	06/08/00	000000	0.1	(_l /bn)	D	כ	⊃	>	· ⊃		⊃	ວ	כ		כ	D	⊃	⊃	Ď	ים	⊋	n	⊃	ס	n		ם	ח	ב	⊃	⊃	_	ח	-	כ	Þ	ס	2	c
The result	06/08/00	40000	0.1	(J/Bn)	Э	⊃	כ	ם	ח	_	<u></u>	Ð	⊋		ח	ם	⊃	ב	⊃	ָם.		⊃	<u> </u>	⊃	<u> </u>	ם	⊃	ם	¬	⊃	-	— ⊃	ב	2	→	_ _	 	0	c
LANA OC	06/08/00	2000	0.	(ng/l)	Э	⊃	ב	כ)	>	⊃	⊃	ב	⊃	ח	⊃	⊃	Þ	ח	ם	ח	⊃	n	ລ	⊃	7 ₹	_ ⊃	>	<u> </u>	_	-	D	<u> </u>	n		ם	כ	-	C
CO TOWN	00/80/90	0000		(ng/l)	Þ	כ	⊃	_	ס	<u></u>	⊃	J	ם	ס		ח	J		ے ت	⊃	כ	ם		ב	n	6.5	<u> </u>	⊃	Þ	- -	⊃	Þ		כ	כ	<u> </u>		9	0
MW.1C	00/80/90	4.0	2	(ng/l)	- -		<u></u>	כ	_	2 J	ລ	ח	כ	ב	>	ב	D	כ	⊃	⊃	ລ	⊃	⊃	n	U	5 3	ɔ	⊃	ב	⊃	⊃	ב		⊃	_ >	n	כ	7	0
MW.4D	00/80/90	1.0	0.	(J/Bn)	>	D.	_	⊃	>	2 J)	n	ח	D	D	ם	D	<u>.</u>	<u> </u>)	>	⊃		! 	I	-	 ⊃	ے	⊃	ב	-	⊃	⊃	J	<u> </u>	n n	2	0
Sample Identification	Date of Collection	Dilution Factor		Onits	Chloromethane	Bromomethane	Vinyl Chloride	Chloroethane	Methylene Chloride	Acetone	Carbon Disulfide	1,1.Dichloroethene	1,1-Dichloroethane	1,2-Dichloroethene (total)	Chloroform	1,2-Dichloroethane	2-Butanone	1,1,1-Trichloroethane	Carbon Tetrachloride	Bromodichloromethane	1,2-Dichloropropane	cis-1,3-Dichloropropene	Trichloroethene	Dibromochloromethane	1,1,2-Trichloroethane	Benzene	I rans-1,3-Dichloropropene	Bromotorm	4-I/lethyl-2-Pentanone	Z-Hexanone	letrachloroethene	1,1,2,2-Tetrachloroethane	Toluene	Chlorobenzene	Ethylbenzene	Styrene	Total Xylenes	Total VOCs	Total VOC TICs

QUALIFIERS:

- U: Compound analyzed for but not detected
- B: Compound found in the blank as well as the sample
- J: Compound found at a concentration below the CRDL, value estimated
 - D: Value is a result of analysis with a dilution factor of 2.0
- U*: Result qualified as non-detect based upon validation criteria

NOTES:

- *. Value pertains to cis-1,2 Dichloroethene and trans-1,2 Dichloroethene individually
 - **: Value pertains to the sum of the isomers
 - GV: Guidance Value
 - ST: Standard
- ---: Not established
- Indicates value exceeds NYSDEC Class GA groundwater standard or guidance value.

REMEDIAL INVESTIGATION AND FEASIBILITY STUDY GROUNDWATER SAMPLE RESULTS - JUNE 2000 VOLATILE ORGANIC COMPOUNDS TRIMMER ROAD LANDFILL SITE Table 4a. (continued)

Sample Identification	MW.6D	MWG	CIZ /0184	8418J 7C	0070	0000					Contract	NYSDEC Class GA
Date of Collection	00/2/0/0/	00,70,00	00,00,00	C J-AAIM	CIO-AAIAI	CO-AAIAI	OS-AAM	SS-AAIA	COL-MAN	MW-10S	Reduired	Groundwater
Date of Collection	00//0/00	00//0/90	00/90/90	00/80/90	00/90/90	00/90/90	00/90/90	00/90/90	06/07/00	00/20/90	Detection	Standard or
Ullution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	Limit	Guidance Value
Units	(l/gn)	(l/gn)	(l/gn)	(J/gn)	(l/bn)	(J/6n)	(l/bn)	(//a//)	(l/an)	((/0/1)	(110/1)	(//טוני)
Chloromethane	Ξ	N	n	n	Э	ח					10	5 ST
Bromomethane	⊃	⊃	ם	ם	<u> </u>	ם	⊃	ם			. 6	5.55 TS:57
Vinyi Chloride	⊃	ם	2.5	n	5	>	⊃	26	_ 		10	2.ST
Chloroethane	⊃	3.1	⊃	ם	>	_	٦.	23	· >	· 🗅	. 6	5.ST
Methylene Chloride	>	ח	⊃	ח	ב	ב	⇒			. =	, C	2 K
Acetone	23	5 J	10	D	D	⊃	4	4) ==	> =	2 5	5067
Carbon Disulfide	ם	⊃)	ב	=	=	-		-	5 5	2
1,1-Dichloroethene	ס	כ	כ	¬	_ 			რ ლ) =	- -	5 5	TO Y
1,1-Dichloroethane	ם	ח	>	_	ח	n	· :>	39)]	> =	5 5	- Lo
(1,2-Dichloroethene (total)		5	⊃	⊋	D	ח		95	~	=		* * * * * * * * * * * * * * * * * * * *
Chloroform	ככ	o o	ם	_	ח	ם		n	· =) =	2 0	- Lo
1,2-Dichloroethane	_ ⊃	ב	ח	- -	⊃	_ 		. =) =	- > =	2 €	C
2-Butanone	כ	ס	٠ 9	_	ກ	n		- =	, =) =	10	7007
1,1,1-Trichloroethane	D.	ב	ב	⊋	⊃	כ	- - - -	14		- > >	5. 0	5.ST
Carbon Letrachloride	D	D)	⊃	ב	⊃	<u> </u>		=	=	÷ +	
Bromodichloromethane	D	'n	ב	⋾)	ם	D	ח)		. 0	SOGV
1,2-Dichioropropane	ח	٦		n	n	ח	ח	n	-		10	1.ST
cis-1,3-Dichloropropene)	D.	כ	⊃	D	_		n	n	· D	. 6	0.4 ST **
Inchloroethene	ລ	⊃		ח	n		ח	34		ם	10	5 ST
Ulbromochloromethane	- ⊃:	<u> </u>	ב	D	D	ם	<u>.</u>	n	_	⊃	10	50GV
1,1,2-1Hchioroethane	_ ⊃ :	D		n	ם		Þ		⊃	ב	10	1 ST
Trans 1.3 Pichlessesses	 o :	4)	⊃	ב	⊐	2.J	ſб	10	ח	_	10	1ST
Rromeform	—- ⊃ :	-	<u> </u>	⊃	∟ ⊃	n	n	ם	ב	'n	10	0.4 ST **
4-Methyl-2-Pentanono		o :	 : c	5 :	ɔ :	>	D	ם	n	<u></u>	10	50GV
2-Hexanone	 	 	Э :	_ ·	⊃ :		<u> </u>	⊅	Þ	⊃	10	-
Tetrachloroethone) :	- - : c	 :	⊃ :	-	כ	⊃	<u> </u>	⊃	10	50GV
1 1 2 2-Tetrachloroethane	 		o :	⊃ :	 ⊃ :	 D:		-	<u> </u>	⊃	10	5 ST
Tolliana) I) ;	; ⊃ ;	_ ⊃ :	 ⊃ :	 ->	D	 ⊃	⊃	⊃	0	5 ST
Chlorobenzene	_ L ⊃ =) : : c	⊃:	 ⊃ :	 ⊃ :	 :	n	⊃		10	5 ST
Ethylbopzone	_ <u>_</u>		: : c	 D :	⊃∶		l	11	⊃		9	5 ST
String	> :	 : c	-	 ∩	 ⊃		_	Ω	-	^	10	5 ST
Total Valoros	→ :	- : c	 ;	 ⊃		ם ב	-)	⊃	ב	10	5 ST
Total VOCe				n l	n	ח	ם	n	n	כ	10	5 ST
Total VOC TICE	7 0	2	18	0	0	6	14	259	0	0		
- 1	0	0	0	0	0	0	0	0	0	0		

QUALIFIERS:

- U: Compound analyzed for but not detected
- B: Compound found in the blank as well as the sample
- J: Compound found at aconcentration below the CRDL, value estimated
 - U*: Result qualified as non-detect based upon validation criteria

NOTES:

- *: Value pertains to cis-1,2 Dichloroethene and trans-1,2 Dichloroethene individually
 - **: Value pertains to the sum of the isomers
 - GV: Guidance Value
 - ST: Standard
- ---: Not established

Indicates value exceeds NYSDEC Class GA groundwater standard or guidance value.

REMEDIAL INVESTIGATION AND FEASIBILITY STUDY GROUNDWATER SAMPLE RESULTS - JUNE 2000 INORGANIC PARAMETERS - UNFILTERED TRIMMER ROAD LANDFILL SITE TABLE 4b.

									NYSDEC Class GA
Sample Identification	MW-1D	MW-1S	MW-2D	MW-2S	MW-3D	MW-3S	MW-4D	Instrument	Groundwater
Date of Collection	00/80/90	00/80/90	00/80/90	00/80/90	00/80/90	00/80/90	00/80/90	Detection	Standard or
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	Limit	Guidance Value
Units	(l/gn)	(l/6n)	(l/6n)	(l/gu)	(l/bn)	(na/l)	(/na/))	(//۵/1)	(//011)
Aluminum		1,380	200	190 B	319	1,820	75.4 B	6	(6)
Antimony	ח	⊃		_	כ	<u> </u>	2	4	3.S.T
Arsenic	12.9	5,5 B	24.5	כ	8.2 B	10.6	8.5 B	. 2	25 ST
Barium	70.2 B	63.8 B	74.3 B	59.5 B	119 B	146 B	16.1 B	7	1,000 ST
Beryllium	D.	כ	ס	5	5	כ	כ	0.2	367
Cadmium	0.54 B	0.40 B	0.24 B	0.30 B	0.42 B	0.45 B	0.30 B	0.2	5.ST
Calcium	235,000	95,900	4,340 B	121,000	70,000	95,300	109,000	234	
Chromium	⊃	1.2 B	0.75 B	כ	0.78 B	1.4 B	<u></u>	0.6	50 ST
Cobalt	1.5 B		0.64 B	0.77 B	0.67 B	2.0 B	<u></u>	0.7	
Copper	4.5 B	13.8 B	1.7 B	2.6 B	0.88 B	2.8 B	1.4 B	ئ	200 ST
Lon	4,390	1,680	2,280	331	4,200	3,630	2,120	2	300 ST A
Lead	n	5	<u> </u>	Ω	Ω	ר	0	7	25 ST
Magnesium	47,600	22,800	1,010 B	29,300	15,300	17,300	16,600	. 7	35,000 GV
Manganese	263	118	28.3	15.1	140	205	152	6.0	300 ST A
Wercury	5	⊃	Ω	ב ב	ם	n	Ω	0.1	0.7 ST
Nickel .	3.7 B	2.4 B	2.6 B	1.6 B	2.1 B	3.8 B	2.0 B	6.0	100 ST
Potassium	74,000	18,300	8,510	4,090 B	16,800	5,050	61,800	320	**************************************
Selenium	8.3	12.8	D	13.1	9.7	11.7	14.3	თ	10 ST
Silver :	ח	Π	n	n		Þ)	2	50 ST
Sodium	1,910,000	288,000	145,000	43,800	306,000	101,000	2,360,000	132	20,000 ST
l nalilum	12.0	>	>	D	n	ח	⊃	2	0.5 GV
vanadium	2.5 B	2.8 B	0.81 B	0.69 B	D	3.5 B	⊃	9.0	ļ
ZINC	> :	4.7 B	3.1 B	1.4 B	2.3 B	6.4 B	1.6 B	2	2000 GV
Cyanide	ס	o l	D	ם	D	2.1 B	U	2	200 ST

QUALIFIERS:
U. Compound analyzed for but not detected
B. Compound concentration is less than the CRDI,
but greater than the IDL.

NOTES:

| The combined standard for iron and manganese is 500 ug/l |
| Indicates value exceeds NYSDEC Class GA groundwater standard or guidance value

REMEDIAL INVESTIGATION AND FEASIBILITY STUDY GROUNDWATER SAMPLE RESULTS - JUNE 2000 INORGANIC PARAMETERS - UNFILTERED TRIMMER ROAD LANDFILL SITE TABLE 4b. (CONTINUED)

									NYSDEC Class GA
Sample Identification	MW-4S	MW-6D	MW-5S	MW-6D	MW-6S	MW-7D	MW-7S	Instrument	Groundwater
Date of Collection	00/80/90	06/08/00	00/80/90	00/80/90	00/80/90	00/20/90	00/80/90	Detection	Standard or
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	Limit	Guidance Value
Units	(l/Bn)	(l/gn)	(l/gn)	(J/Bn)	(l/bn)	(//gn)	(l/gn)	(l/gn)	(l/bn)
Afuminum	മ	143 B	127 B)	164 B	1,390	84.8 B	6	
Antimony	⊐	>	5	כ	6.5 B	<u> </u>	כ	4	3 ST
Arsenic	5,4 B	17.3	5.9 B)	90.5	25.9	, ,	7	25 ST
Barium	1,500	42.2 B	1,450	64.5 B	1,580	82.1 B	48.0 B	8	1,000 ST
Beryllium	ם	¬	Ω	⊃ 	כ	D	¬	0.2	36V
Cadmium	0.59 B	0.34 B		0.51 B	1.0 B	0.33 B	3.1 B	0.2	5.ST
Calcium	328,000	31,600	380,000	295,000	430,000	10,800	92,800	234	-
Chromium	5	0.81 B		ם	→	2.2 B	5	0.6	50 ST
Cobalt	14.0 B	0.78 B	10.0 B	ם	3,2 B	0.97 B	5	0.7	
Copper	6.8 B	2.0 B		5.9 B	5.1 B	6.2 B	2.1 B	co.	200 ST
Iron	622	2,500	1,160	1,430	13,900	2,600	132	2	300 ST A
Lead	ņ	, ,	'n	Ω	⊃	ם	¬	7	25 ST
Magnesium	97,600	6,110	107,000	55,000	104,000	2,550 B	12,000	2	35,000 GV
Manganese	3,750	64.2	3,250	50.9	2,930	19.9	4.2 B	6.0	300 ST A
Mercury	⇒		⊃	Ω	ח	n	D.	0.1	0.7 ST
Nickel 1	59.4	8.6 B	66.7	5.2 B	39.8 B	11.7 B	1.3 B	6.0	100 ST
Potassium	40,000	29,000	29,100	46,200	9,170	30,100	613 B	320	1
Seienium	31.9	9.9	11.4	1.7	18.7	>	14.2	ю	10 ST
Sliver	n	Ω	U	⊃	5.4 B	D	n	2	50 ST
Sodium	402,000	994,000	365,000	1,030,000	278,000	482,000	10,300	132	20,000 ST
l naillum	⊃ ;)	∍	n	n	Э	ב כ	2	0.5 GV
Vanadium	2.7 B		0,55 B	5	12 B	2.7 B	0.52 B	9.0	
Zinc	3.0 B	3.8 B	ב	5	כ	2.0 B	Þ	2	2000 GV
Cyanide	2.2 B	ם ا	2.4 B	n	n	ס	Ω	2	200 ST

QUALIFIERS;

U: Compound analyzed for but not detected
B: Compound concentration is less than the CRDL
but greater than the IDL.

A: The combined standard for iron and manganese is 500 ug//
Indicates value exceeds NYSDEC Class GA groundwater standard or guidance value

REMEDIAL INVESTIGATION AND FEASIBILITY STUDY **GROUNDWATER SAMPLE RESULTS - JUNE 2000** INORGANIC PARAMETERS - UNFILTERED TRIMMER ROAD LANDFILL SITE TABLE 4b. (CONTINUED)

MW-9S MW-10D 06/07/00 06/08/00
٣
193 B 868
8.0 B
13.5 × 8.1 B
71.0 B 1,180 17.8 B
ב
<u> </u>
340,000 26,200
1.3 B
1.1B 27.4B
19.6 B
1,240 1,800
n
112,000 5,290
3,740
Ü
129
55,600 20,400
32.0
3.2 B
709,000 1,370,000
Ω
4.6 B
5.6 B
4.8 B

QUALIFIERS
U. Compound analyzed for but not detected
B. Compound concentration is less than the CRDL
but greater than the IDL.

NOTES:

The combined standard for iron and manganese is 500 ug/l
 Indicates value exceeds NYSDEC Class GA groundwater standard or guidance value

TRIMMER ROAD LANDFILL SITE TABLE 5a.

TEST PIT WATER SAMPLE RESULTS - DECEMBER 1999 REMEDIAL INVESTIGATION AND FEASIBILITY STUDY VOLATILE ORGANIC COMPOUNDS

Sample Identification	TP-5W	Contract	NYSDEC Class GA
Sample Depth	2-2.5'	Required	Groundwater
Date of Collection	12/21/99	Detection	Standard or
Dilution Factor	1.0	Limit	Guidance Value
Units	(l/gn)	(l/gn)	(l/gn)
Chloromethane	n	10	5.ST
Bromomethane	→	10	5 ST
Vinyl Chloride	5	9	2 ST
Chloroethane	D	10	5 ST
Methylene Chloride	ב	10	5 ST
Acetone	→	10	50GV
Carbon Disulfide	>	10	
1,1-Dichloroethene	14	10	5 ST
1,1-Dichloroethane		10	5 ST
1,2-Dichloroethene (total)	<u></u>	10	5ST*
Chloroform	<u> </u>	10	7 ST
1,2-Dichloroethane	¬	10	0.6 ST
2-Butanone	>	10	50GV
1,1,1-Trichloroethane	⊃	10	5 ST
Carbon Tetrachloride	>	10	5 ST
Bromodichloromethane	Ð	10	20GV
[1,2-Dichloropropane	<u> </u>	9	1ST
cis-1,3-Dichloropropene	⊃	10	0.4 ST **
Trichloroethene		10	5 ST
Dibromochloromethane	Э	10	50GV
1,1,2-Trichloroethane	-	10	1 ST
Benzene	13	10	1ST
Trans-1,3-Dichloropropene	<u> </u>	10	0.4 ST **
Bromoform	-	10	50GV
4-Methyl-2-Pentanone	⊃	10	1
2-Hexanone	<u> </u>	9	50GV
Tetrachloroethene	>	10	5 ST
1,1,2,2-Tetrachloroethane	D	10	5.ST
Toluene	13	10	5 ST
Chlorobenzene	13	10	5 ST
Ethylbenzene	<u> </u>	10	5 ST .
Styrene	D	10	5 ST
Total Xylenes	כ	10	5ST
Total VOCs	64		
Total VOC TiCs	C		

U: Compound analyzed for but not detected

*: Value pertains to cis-1,2 Dichloroethene and trans-1,2 Dichloroethene individually
J: Compound found at aconcentration below the CRDL, value estimated

*: Applies to the sum of 1,2-, 1,3- and 1,4-Xylene

ST: Standard

----; Not established

Indicates value exceeds NYSDEC Class GA groundwater standard or guidance value.

Trimmer Test Pit Water Chem.xls

TABLE 5b.
TRIMMER ROAD LANDFILL SITE
REMEDIAL INVESTIGATION AND FEASIBILITY STUDY
TEST PIT WATER SAMPLE RESULTS - DECEMBER 1999
SEMIVOLATILE ORGANIC COMPOUNDS

Sample Identification	TP-5W	Contract	NYSDEC Class GA
Sample Depth	2-2.5	Required	Groundwater
Date of Collection	12/21/99	Detection	Standard or
Dilution Factor	2.5	Limit	Guidance Value
Units	(J/Bn)	(ng/L)	(l/gn)
Phenol)	10	1ST*
bis(2-Chloroethyl)ether	5	0	1ST
2-Chlorophenol	>	10	1 ST*
1,3-Dichlorobenzene	>	10	3.ST
1,4-Dichlorobenzene	<u> </u>	10	3.ST
1,2-Dichlorobenzene)	10	3.ST
2-Methylphenol	>	0	
2,2-Oxybis (1-Chloropropane)	>	10	ļ
4-Methylphenol	כ	10	1
N-Nitroso-di-n-propylamine	<u> </u>	10	
Hexachloroethane	⊃ —	9	5ST
Nitrobenzene	5	10	0.4 ST
Isophorone	⊃ .	10	50 GV
2-Nitrophenol	⊃	10	
2,4-Dimethylphenol	<u></u>	10	1 ST *
2,4-Dichlorophenol	Þ	10	1 ST*
1,2,4-Trichlorobenzene	<u> </u>	0	5 ST
Naphthalene	D	10	10 GV
4-Chloroaniline		10	5 ST
bis(2-Chloroethoxy)methane	⊃	10	5 ST
Hexachlorobutadiene	>	10	0.5 ST
4-Chloro-3-methylphenol	>	5	-
2-Methylnaphthalene	⊃	10	ŀ
Hexachlorocyclopentadiene	⊋	0	5 ST
2,4,6-Trichlorophenol	5	10	
2,4,5-Trichlorophenol	⊃	52	-
2-Chloronaphthalene	¬	10	5 ST
2-Nitroaniline	¬	55	5.ST
Dimethylphthalate	ວ	10	50 GV
Acenaphthylene	⊃	10	
2,6-Dinitrotoluene	⊃	10	5 ST
3-Nitroaniline	כ	22	5 ST
Acenaphthene	→	10	20 GV
2,4-Dinitrophenol	⊃.	22	1 ST *
4-Nitrophenol	⊃	22	
Dibenzofuran))	10	

2 of 2

Trimmer Test Pit Water Chem.xls

TEST PIT WATER SAMPLE RESULTS - DECEMBER 1999 REMEDIAL INVESTIGATION AND FEASIBILITY STUDY SEMIVOLATILE ORGANIC COMPOUNDS TRIMMER ROAD LANDFILL SITE TABLE 5b. (CONTINUED)

ction 12/2 or uene ate yl-phenylether henol alate henol anthalate heracene hracene hracene arthene arthene arthene arthene arthene arthene arthene by cyl)pytrene arthene	
on 1221/99 In 125 In 12	_
2.5 ne ug/l phenylether utylphenol phenylether nol nol ate U u u u u u u u u u u u u u u u u u u	
ne	
phenylether U thylphenol U ylamine U phenylether U cene U alate U xoene U ylamine U ylamine U ylamine U ylamine U ylamine U thene U th	-
phenylether U U U U U U U U U U U U U U U U U U U	-
phenylether U U U U U U U U U U U U U U U U U U U	U 10 50 GV
u bhenyletherof u bhenylether u bhenylether u bhenylether u bhenylether u bhenylether u bhene	U 10
by strylphenol	
strylphenol U U U U U U U U U U U U U U U U U U U	U 25 5ST
ylamine phenylether phenylether nol nol nol ate nol nol nol nol nol nol nol nol nol nol	U 25
phenylether U cene	U 10 50 GV
bene	U 10
nof not not not not not not not not not not	U 10 0.04 ST
ate U U U U U U U U U U U U U U U U U U U	U 25 1ST*
ate U U u u u alate U U Czidine U Schene U U Dphthalate U U Hene U U Hene U U Dyrene U U Dyrene U U Dyrene U U Dyrene U U Dyrene U U Dyrene U Dyren	U 10 50 GV
ate U U U U U U Salate U D Szidine U Szidine U U Szidine U U U D D D D D D D D D D D D D D D D	U 10 50 GV
ate U u alate U zidine acene U yphthalate U thene U	U 10
alate	
by alate	
alate U zidine U scene U U Dhthalate 4 J W thene U thene U pyrene U racene U on PAHs O on PAHs O	
zidine soene U U U Dhthalate U thene U pyrene U racene U ene U macene U macene U macene U macene U macene U macene U macene U macene U	
beene U U U U U U U U U U U U U U U U U U	
U thene U thene U thene U thene U thene U tracene U tracene U tene U tene U tene U	
Ophthalate 4 J thene U thene U thene U thyrene U tracene U tene U tene O tene	0.
thene U thene U thene U thene U thene U tracene U tene U tene O	ر 10
thene U thene U thene U thyrene U tracene U tene U tene O thyrene O	
bhene U U U U U U U U U U U U U U U U U U	
pyrene U Tracene U III III III III III III III III III	
cd)pyrene U nnthracene U erylene U o 0 gen PAHs 0	_
U U saylene U U Saylene U O O O O O O O O O O O O O O O O O O	
U 0 0 gen PAHs 0	
gen PAHs	
igen PAHs	0
	0
Total SVOCs 4	4
Total SVOC TICs	

QUALIFIERS:

- J: Compound found at a concentration below the detection limit
- U: Compound analyzed for but not detected B: Compound found in the method blank as well as the sample
- *: Applies to Total Phenols
- **: Applies to the sum of Unchlorinated Phenols
 ***: Applies to the sum of 1,2-, 1,3- and 1,4-Dichlorobenzene
- le **** : Applies to the sum of Chlorinated Phenols Indicates value exceeds NYSDEC Class GA groundwater standard or guidance value

REMEDIAL INVESTIGATION AND FEASIBILITY STUDY SURFACE WATER SAMPLE RESULTS VOLATILE ORGANIC COMPOUNDS TRIMMER ROAD LANDFILL SITE TABLE 6a.

					-	-								Contract	NYSDEC Class C
Sample Identification	SW-1	SW-2	SW-3	SW-4	SW-5	SW-6W	SW-6	SW-7	SW-8	6-MS	SW-10	SW-11	SW-12	Required	Surface Water
Date of Collection	00/80/90	00/60/90	00/60/90	00/60/90	00/60/90	1/27/00	00/60/90	00/60/90	00/20/90	00/20/90	00/20/90	00/60/90	00/60/90	Detection	Standard or
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	Limit	Guidance Value
Units	(l/gn)	(ng/l)	(I/6n)	(l/gn)	(l/bn)	(l/gn)	(J/Gn)	(l/6n)	(l/gn)	(l/gu)	(l/gn)	(l/gn)	(l/6n)	(l/gn)	(J/Bn)
Chloromethane	ם	n	ם	D	Э	Ь	ח	P	ח	ח	ח	n	n	10	
Bromomethane	>	ר	ם	>	<u> </u>	_ _	<u>ב</u>	>	¬	<u></u>	>	_	ב	10	ļ
Vinyl Chloride	_	⊃	ב	n	⊃	⊃	<u> </u>	<u> </u>	<u> </u>	ח	ם	ם	٥	10	!
Chloroethane	>	ס	ס	-	כ		>	ח	ב	Þ	ב	· >	_	10	I
Methylene Chloride	¬	ם	ח		ם	_	>	כ	⊃	_	\supset			. 6	200 ST
Acetone	ם	ב	n	<u>ה</u>	n	2 JB	<u></u>	ם	ח	n	n	n	<u></u>	10	1
Carbon Disulfide	>	כ	⊃	⊃	Þ	>	ה ה	n	ים	Ω	· n	n	ח	10	E C 2
1,1-Dichloroethene)	כ	ם	D	כ	-	ے ح	ם	כ	ס)	כ	ה ה	10	1117
1,1-Dichloroethane	<u></u>	Ð	⊃	_	<u></u>	>	_	ם כ	5	ח	ם	ם	_	10	-
[1,2-Dichloroethene (total)	<u> </u>	Þ	ב	⊋	Þ	⊃	ב	<u></u>	ם	⊃	ס	⊃	ם	10	ı
Chloroform	כ	כ	כ	Þ	⊃		_	<u> </u>	¬	D	⊃	ם	ח	10	l
1,2-Dichloroethane	ם	כ	⊃	_			>	<u></u>	>	ח	ח	⊃	ם	10	1
2-Butanone	⊃	D	Þ	Π	כ		ם	ח	ח	ח	¬	ח	⊃	10	;
1,1,1-Trichloroethane	ב ב		⊃	Þ	<u> </u>		ם	>	ח	ם	٦	_ _	ח	10	1
Carbon Tetrachloride	<u> </u>	ב		<u></u>	כ	-	ם	>	ח	>	כ		ם	10	1
Bromodichloromethane	n	ס	n	⊃	⊃	⊃	ם	n	Ð	n	⊃	ם	ם	10	. !
1,2-Dichloropropane	ב	ם ח	ס	D	כ	<u></u>	_ _	>	ລ	ב	¬	>	כ	10	
cis-1,3-Dichloropropene	<u></u>	⊃	⇒	<u></u>	<u> </u>	-	>	ס	ם	⊃	כ	⊃	⊃	10	
Inchloroethene	5	D	4 U	<u> </u>	ີ ຕ	 _>	٦ ٢	כ	ח	D.	⊃	כ	∍	10	40 ST
Dibromochloromethane	⊃ ·	>	_ ⊃	⊃	 ⊃		⊃	⊃	⊋	>	-	⊋	Ð	10	
1,1,2-Trichloroethane	> -	<u> </u>	<u></u>	⊃	<u></u>		כ	D	כ	ח	⊃	ס	ס	10	1
Benzene	<u> </u>	 ⊃	ລ	⊃	⊋	 ⊃	<u> </u>	ם	ב	n	∍	-	_	10	10 ST
Frans-1,3-Dichloropropene	 ⊃∶	 ⊃	-	>)		<u> </u>	ם	⊃	ס	D.	 	n	9	I.
Bromororm	o :	— ⊃ :	>	<u>→</u>	ם ס	-		D	⊃		⊃		כ	10	1
4-Ivietnyl-Z-Pentanone	> :	-	-	→	>	 ->:	⊃	n	ח	⊃	⊃	<u> </u>	⊃	10	1
Z-nexanone	>		_ ⊃	<u> </u>	_ >	_ 	_ >	⊃	-	ے ح	-	>	⊃	9	1
letrachloroethene	<u> </u>	<u></u>	 ⊃	_	<u> </u>	>	ם		D	⊃	_	_	ם	10	1 GV
1,1,2,2-Tetrachloroethane	<u> </u>	J	⊃	⊃	⊃	>	⊃	ם	<u></u>	ח	ם	כ	⊃	10	
Toluene	5	ח	⊃	⊃	 	<u></u>	⇒	⊋		-		-	n	10	100 GV
Chlorobenzene	_ >			⊃		_ _	כ	5	ם	ח	_	_	ם	10	5 ST
Ethylbenzene	5	D	ב	n	<u></u>	>	ם	⊃	Ð	ם	<u> </u>	Ð	_	10	17 GV
Styrene	¬	⊃	_ >	Þ	_ >	<u> </u>	>	⊃		-	_	 	ລ	10	1
Total Xylenes	כ	3 5	<u></u>	⊃	ם	ם ב	D	J	>	_	_	_	⊃	10	65 GV **
Total VOCs	0	9	4	0	က	2	8	0	0	0	0	0	0		1
Total VOC TICs	0	0	0	0	0	0	0	0	0	0	0	0	0		
			1		-		-	1				1			

QUALIFIERS:

U: Compound analyzed for but not detected

GV: Guidance Value U*: Result qualified as non-detect based upon validation criteria GV: Guidance J: Compound found at a concentration below the CRDL, value estimate ST: Standard

--: Not established

**: Value pertains to the sum of 1,2-, 1,3- and 1,4-Xylene.

NOTES:

Indicates value exceeds standard or guidance value.

Trimmer June 2000rp Surface Water Chem.xls

Trimmer June 2000rp Surface Water Chem.xls

TABLE 6b.
TRIMMER ROAD LANDFILL SITE
REMEDIAL INVESTIGATION AND FEASIBILITY STUDY
SURFACE WATER SAMPLE RESULTS
SEMIVOLATILE ORGANIC COMPOUNDS

	SW-6W	Contract	NYSDEC
		Required	Class C
Date of Collection	01/27/00	Detection	Standard or
Dilution Factor	1,0	Limit	Guidance Value
Units	(l/gn)	(ng/L)	(y6n)
Phenol)	10	1 ST **
bis(2-Chloroethyl)ether	⊃	10	ŀ
2-Chlorophenol	כ	10	1 ST *
1,3-Dichlorobenzene	⊃	9	5 ST ***
1,4-Dichlorobenzene	⊃	10	5 ST ***
1,2-Dichlorobenzene	⊃	9	5 ST ***
2-Methylphenol	כ	10	1 ST*
2,2-Oxybis (1-Chloropropane)	⊃	10	
4-Methylphenol	⊃	10	1 ST*
N-Nitroso-di-n-propylamine	כ	9	1
Hexachloroethane	ם	0	0.6 ST
Nitrobenzene	→	5	}
Isophorone	Þ	10	i
2-Nitrophenol	כ	10	1 ST*
2,4-Dimethylphenol		5	1 S⊤*
2,4-Dichlorophenal	>	5	1 ST *
1,2,4-Trichlorobenzene	> -	10	5.ST
Naphthalene		5	13 GV
4-Chloroaniline	>	10	111
bis(2-Chloroethoxy)methane	<u></u>	10	**
Hexachlorobutadiene	<u> </u>	10	0.01 ST
4-Chloro-3-methylphenol	>	10	1ST*
2-Methylnaphthalene	:	9	4.7 GV
Hexachlorocyclopentadiene	⊃ :	0 :	0.45 ST
2,4,6-Trichlorophenol	⊃ ;	10	18⊤ * :
2,4,5-Trichlorophenol	> :	133	1 ST*
2-Chloronaphthalene	D	0	1
2-Nitroaniline	> -	22	ļ
Dimethylphthalate	>	10	1
Acenaphthylene	D	10	1
2,6-Dinitrotoluene	> 	10	I
3-Nitroaniline	¬	52	ı
Acenaphthene	⊃	10	5.3 GV
2,4-Dinitrophenol	<u> </u>	22	5 ST **
4-Nitrophenol	⊃	22	1 ST *
Dibenzofuran	>	10	1

Trimmer June 2000rp Surface Water Chem.xls

REMEDIAL INVESTIGATION AND FEASIBILITY STUDY SEMIVOLATILE ORGANIC COMPOUNDS SURFACE WATER SAMPLE RESULTS TRIMMER ROAD LANDFILL SITE TABLE 6b. (CONTINUED)

Sample Identification	SW-6W	Contract	NYSDEC
		Required	Class C
Date of Collection	01/27/00	Detection	Standard or
Dilution Factor	1.0	Limit	Guidance Value
Units	l/gu	(J/Bn)	(l/gu)
2,4-Dinitrotoluene	ם	10	-
Diethylphthalate	⊃	10	1
4-Chlorophenyl-phenylether	>	10	ļ
Fluorene	5		0.54 GV
4-Nitroaniline	ה ה	72	1
4,6-Dinitro-2-methylphenol	ב ב	22	1 ST*
N-Nitrosodiphenylamine	D	10	E +
4-Bromophenyi-phenylether	<u> </u>	9	I
Hexachlorobenzene	>	10	3E-5 ST
Pentachlorophenol		25	1 ST ***
Phenanthrene	<u></u>	10	56V
Anthracene	ב	10	3.8 GV
Carbazole	⊃	5	1.
Di-n-buty/phthalate	⊃	10	
Fluoranthene	⊃	10	1
Pyrene	⊃	10	4.6 GV
Butylbenzylphthalate	>	0	3 4 5
3,3'-Dichlorobenzidine	>	9	1
Benzo (a) anthracene	⊃	0	0.03 GV
Chrysene		10	l
bis(2-Ethylhexyl)phthalate	ם	0	0.6 ST
Di-octylphthalate	⊃	10	1
Benzo(b)fluoranthene	>	10	1
Benzo(k)fluoranthene	<u> </u>	10	1
Benzo(a)pyrene	n	10	1.2E-3 GV
Indeno(1,2,3-cd)pyrene	>	10	1
Dibenzo(a,h)anthracene	⊃	Q	.]
Benzo(g,h,i)perylene	n	10	1
Total PAHs	0		
Total Carcinogen PAHs	0		
Total SVOCs	0		
Total SVOC TICs			

QUALIFIERS:

- J: Compound found at a concentration below the detection limit
- *: Applies to Total Phenols
 **: Applies to the sum of Unchlorinated Phenols
 - U: Compound analyzed for but not detected ****: Applies to the sum of 1,2-, 1,3- and 1,4-Dichl B: Compound found in the method blank as well as the ****: Applies to the sum of Chlorinated Phenols
- ***: Applies to the sum of 1,2-, 1,3- and 1,4-Dichlorobenzene

REMEDIAL INVESTIGATION AND FEASIBILITY STUDY SURFACE WATER SAMPLE RESULTS TRIMMER ROAD LANDFILL SITE PESTICIDE/PCBs
Contract TABLE 6c.

		Contract	NYSDEC	
Sample Identification	SW-6W	Required	Class C	
Date of Collection	01/27/00	Detection	Standard or	
Dilution Factor	1.0	Limit	Guidance Value	
Units	(l/gu)	(l/gn)	(l/gn)	
alpha-BHC	כ	0.05		
beta-BHC	ח	0.05	!	
delta-BHC	n	0.05	1	
gamma-BHC (Lindane)	ח	0.05	ems	
Heptachlor	0	0.05	2E-4 ST	
Aldrin	n	0.05	1E-3 ST **	
Heptachlor Epoxide	D	0.05	3E-4 ST	
Endosulfan I	כ	0.05	9E-3 ST ***	
Dieldrin	n	0.10	6E-7 ST	
4,4'-DDE	D	0.10	7E-6 ST	
Endrin	n	0.10	2E-3 ST	
Endosulfan II	⊃	0.10	9E-3 ST ***	
4,4'-DDD	ח	0.10	1E-5 ST	
Endosulfan Suffate	D	0.10	9E-3 ST ***	
4,4'-DDT	⊃	0.10	1E-5 ST	
Methoxychlor	n	0.50	0.03 ST	
Endrin Ketone	n	0.10	I	
Endrin Aldehyde	n	0.10	***	
alpha-Chlordane	ם	0.05	2E-5 ST ****	
gamma-Chlordane	n	0.05	2E-5 ST ****	•
Toxaphene	ס	5.0	6E-6 ST	
Aroclor-1016	<u></u>	1.0	1E-6 ST *	
Aroclor-1221	⊃	2.0	1E-6 ST *	
Aroclor-1232	D .	1.0	1E-6 ST *	
Aroclor-1242	ב	1.0	1E-6 ST *	
Aroclor-1248	>	1.0	1E-6 ST *	
Araclor-1254	⊃	1.0	1E-6 ST *	
Aroclor-1260	n	1.0	1E-6 ST *	
Total PCBs	0.0			

- QUALIFIERS:
 U: Compound analyzed for but not detected
 ": Applies to the sum of the isomers
 "** Applies to the sum of Aldrin and Dieldrin
 "**: The value is the one listed for "Endosulfan"
 "***: The value is the one listed for "Chlordane"

1 of 1

REMEDIAL INVESTIGATION AND FEASIBILITY STUDY SURFACE WATER SAMPLE RESULTS - JUNE 2000 INORGANIC PARAMETERS - UNFILTERED TRIMMER ROAD LANDFILL SITE

				j					NYSDEC Class C
Sample Identification	SW-1	SW-2	SW-3	SW-4	SW-5	M9-MS	SW-6	Instrument	Surface Water
Date of Collection	00/80/90	00/60/90	00/60/90	00/60/90	00/60/90	1/27/00	00/60/90	Detection	Standard or
Dilution Factor	1.0	1.0	1.0	1.0	1.0	1.0	0.1	Limit	Guidance Value
Units	(J/Bn)	(J/Bn)	(J/Bn)	(l/gn)	(l/gn)	(l/gn)	(l/6n)	(l/6n)	(J/Gn)
Aluminum	161 B	115 B	562	211	125 B	100 B	255	6	100 ST
Antimony	n	ם	כ	n	Э	<u> </u>	P	4	ſ
Arsenic	<u> </u>	>	ס	<u></u>	<u> </u>		_	2	150 ST *
Barium	101 B	165 B	61.8 B	59.8 B	50.9 B	74.3 B	59.6 B	2	ļ
Beryllium	n	<u></u>	⊃	<u>ה</u>	<u> </u>	ם	-	0.2	**
Cadmium	0.22 B	0.65 B	0.25 B	0.30 B	5	כ	D	0.2	***
Calcium	63,500	106,000	32,700	35,700	30,600	44,000	35,000	234	***
Chromium	0.80 B	כ	1.1 B	1.0 B	0.73 B	>	0.88 B	9.0	٧
Cobalt	⊋	2.5 B	0.82 B	ח	5	>	5	0.7	5.ST
Copper	1.3 B	3.4 B	1.8 B	1.1 B	0.64 B	7	0.52 B	Ŋ	200 ST ^^
Iron	850	6,620	1,240	612	486	231	721	2	300 ST
Lead	n	ם	n	ח	כ	ב	Þ	2	۷۷۷
Magnesium	12,300	23,500	8,370	8,490	7,740	10,300	8,180	2	
Manganese	91.8	425	71.3	28.8	22.9	28.6	36.0	6.0	1
Mercury	ם	כ	¬	n	_	ם	⊃	0.1	0.0007 ST
Nickel	2.1 B	10.8 B	2,5 B	2.1 B	1.7 B	1.4 B	1.9 B	6.0	100 ST~
Potassium	4,010 B	31,100	4,510 B	4,980 B	4,280 B	11,800	4,930 B	320	1
Selenium	12.3	10.1	5.9	7.2	6.7	ח	7.5	m m	4.6 ST
Silver	Ú	n	n	Π	D	Þ	ס	7	0.1 ST
Sodium	40,200	42,400	16,000	16,900	15,100	29,200	16,000	132	1
Thallium	5	¬	כ	ס	⊃	∩	⊃	2	8 ST
Vanadium	0.54 B	D	1.2 B	0.76 B	0.63 B	13.9 B	0.81 B	9.0	14 ST
Zinc	5.1 B	6.1 B	9.2 B	7.9 B	2.1 B	9.4 B	2.9 B	7	2,000 ST ~~
Cyanide	>	n	⊃	Ð	Π	6.8 B	⊃	2	5.2 ST ~~~
Hardness (as CaCO3)	209,000	361,000	116,000	124,000	108,000	NA	121,000	180	i

*: Dissolved arsenic form NOTES:

NA - not analyzed

: 11 ug/l when hardness is less than or equal to 75 ppm and 1,100 ug/l when hardness is greater than 75 ppm *: (0.85) exp(1.128 [in (ppm hardness)] - 3.6867)
^*: (0.316) exp(0.819 [in (ppm hardness)] + 3.7256)

AA : (0.96) exp(0.9422 [In (ppm hardness)] - 1.7)

^^^ ; {1.46203 - [In (hardness) (0.145712)]} exp (1.273 [In (hardness)] - 1.052)

 $\sim :(0.998) \exp (0.846 [ln (hardness)] + 2.255)$

~~ : 0.978 exp(0.8473 [In (ppm hardness)] + 0.884)

~~~ : As free cyanide: the sum of HCN and CN- expressed as CN

QUALIFIERS:

U. Compound analyzed for but not detected

B: Compound concentration is less than the CRDL

standard or guidance value. Indicates value exceeds

#### REMEDIAL INVESTIGATION AND FEASIBILITY STUDY SURFACE WATER SAMPLE RESULTS - JUNE 2000 INORGANIC PARAMETERS - UNFILTERED TRIMMER ROAD LANDFILL SITE TABLE 6d. (CONTINUED)

|                       |             |             |          |             |          |             |            | NYSDEC Class C |
|-----------------------|-------------|-------------|----------|-------------|----------|-------------|------------|----------------|
| Sample Identification | SW-7        | SW-8        | 8MS      | SW-10       | SW-11    | SW-12       | Instrument | Surface Water  |
| Date of Collection    | 00/60/90    | 00/20/90    | 00/20/90 | 00/20/90    | 00/60/90 | 00/60/90    | Detection  | Standard or    |
| Dilution Factor       | 1.0         | 1,0         | 1.0      | 1.0         | 1.0      | 1.0         | Limit      | Guidance Value |
| Units                 | (l/gn)      | (l/6n)      | (J/Gn)   | (l/gn)      | (l/gn)   | (l/bn)      | (l/gn)     | (l/gu)         |
| Afuminum              | 522         | 34.2 B      | 124 B    | 151 B       | 293      | 702         | 6          | 100 ST         |
| Antimony              | ח           | Þ           | ח        | ח           | n        | <b>D</b>    | 4          |                |
| Arsenic               | כ           | כ           | _        | <b>&gt;</b> | <b>D</b> | כ           | 2          | 150 ST *       |
| Barium                | 70.1 B      | 159 B       | 127 B    | 144 B       | 221      | 176 B       | 7          | I              |
| Beryllium             | ⊃           |             | 5        | <u> </u>    |          | ¬           | 0.2        | **             |
| Cadmium               | 0.22 B      | )           | ⊃        | <u></u>     | 0.40 B   | 0.31 B      | 0.2        | ***            |
| Calcium               | 36,600      | 91,000      | 76,200   | 002'92      | 62,200   | 121,000     | 234        | I              |
| Chromium              |             | <u>ס</u>    | 0.68 B   | 0.56 B      | 5.4 B    | 0.42 B      | 9.0        | ۷              |
| Cobalt                | 0.74 B      | <b>&gt;</b> | ⊃        | 5           | 10.2 B   | 4.7 B       | 0.7        | 5.ST           |
| Copper                | 0.86 B      | 2.3 B       | 2.0 B    | 1.9 B       | 4.4 B    | 6.0 B       | ιΩ         | 200 ST 'AA     |
| Iron                  | 1,300       | 128         | 260      | 274         | 1,280    | 825         | 2          | 300 ST         |
| Lead                  | n           | ⊃           | ⊃        | ⊃           | ס        | n           | 7          | ۷۷۷            |
| Magnesium             | 8,770       | 25,300      | 20,600   | 19,100      | 42,800   | 35,500      | 2          | 1              |
| Manganese             | 125         | 35.3        | 36.0     | 63.0        | 597      | 1,030       | 6.0        | ļ              |
| Mercury               | <b>&gt;</b> | <b>&gt;</b> | Þ        | >           | D        | Þ           | 0.1        | 0,0007 ST      |
| Nickel                | 2.5 B       | 2.4 B       | 2.0 B    | 1.8 B       | 26.7 B   | 10.5 B      | 6.0        | 100 ST ~       |
| Potassíum             | 5,210       | 5,020       | 4,280 B  | 2,930 B     | 162,000  | 58,500      | 320        | I              |
| Selenium              | 6.1         | 10.5        | 11.6     | 14.9        | 8,5      | 12.0        | ო          | 4.6 ST         |
| Silver                | ם           | D           | ⊃        | ٦           | כ        | Э           | 2          | 0.1 ST         |
| Sodium                | 17,600      | 29,000      | 47,500   | 48,400      | 277,000  | 76,900      | 132        | ŀ              |
| Thallium              | <b>&gt;</b> | )           | כ        | 5           | כ        | <u> </u>    | 2          | 8 ST           |
| Vanadium              | 1.4 B       | 0.55 B      | 0.96 B   | 0.74 B      | 0.66 B   | 2.3 B       | 9.0        | 14 ST          |
| Zinc                  | 4.7 B       | כ           | 1.0 B    | 1.4 B       | 26.3     | 3.8 B       | 2          | 2,000 ST ~~    |
| Cyanide               | כ           | ⊃           | ⊃        | >           | 2.2 B    | <b>&gt;</b> | 2          | 5,2 ST ~~~     |
| Hardness (as CaCO3)   | 128,000     | 331,000     | 275,000  | 270,000     | 332,000  | 448,000     | 180        | ł              |
|                       |             |             |          |             |          |             |            | •              |

\* : Dissolved arsenic form

\*\* : 11 ug/l when hardness is less than or equal to 75 ppm and 1,100 ug/l when hardness is greater than 75 ppm \*\*\* : (0.85) exp(1.128 [ln (ppm hardness)] - 3.6867) ^ : (0.316) exp(0.819 [ln (ppm hardness)] + 3.7256)

<sup>AA</sup>: (0.96) exp(0.9422 [In (ppm hardness)] - 1.7)

^^^ : {1.46203 - [In (hardness) (0.145712)]} exp (1.273 [In (hardness)] - 1.052)

~:(0.998) exp (0.846 [In (hardness)] + 2.255)

--- : 0.978 exp(0.8473 [In (ppm hardness)] + 0.884)

~~~ : As free cyanide: the sum of HCN and CN- expressed as CN

QUALIFIERS:

U: Compound analyzed for but not detected

B: Compound concentration is less than the CRDL

but greater than the IDL. Trimmer June 2000rp Surface Water Chem.xls

standard or guidance value. Indicates value exceeds

2 of 2

REMEDIAL INVESTIGATION AND FEASIBILITY STUDY SURFACE WATER SEDIMENT SAMPLE RESULTS TRIMMER ROAD LANDFILL SITE VOLATILE ORGANICS TABLE 7a.

| Sample Identification | SD-1 | | SD-2 | -2 | SD-3 | 6 | SD-4 | 4 | SD-6 | မှ | | | |
|----------------------------|-------------|---------|-------------|----------|-------------|---------|----------|---------|-------------|-----------|-----------|-------------------|------------|
| Sample Depth | 0-3" | | 0-3 | | 0-3" | ± | 0-3 | 3" | .0-3 | 3" | | | |
| Date of Collection | 00/80/90 | 0 | 00/60/90 | 00/ | 00/60/90 | 00, | 00/60/90 | 00/ | 00/60/90 | 00/ | Contract | F | |
| Dilution Factor | 1.0 | | 1.0 | | 1.0 | | 1.0 | 0 | 1.0 | 0 | Required | | |
| Percent Solids | 69 | | 72 | | 83 | | 89 | | 62 | | Detection | NYSDEC | |
| Total Organic Carbon (%) | 0.46 | N | 1.00 | z | 0.87 | Z | 0.26 | Z | 1.03 | z | Limit | Sediment Criteria | Protection |
| Units | (ug/kg) | (ng/kg) | (ug/kg) | (ng/kg) | (ng/kg) | (ng/kg) | (ng/kg) | (ng/kg) | (ng/kg) | (ng/kg) | (ug/kg) | (ng/gOC) | Level |
| Chloromethane | Э | I | | İ | Ъ | 1 | ח | i | b | ; | 10 | | |
| Bromomethane | כ | ı | ⊃ | | ⊃ | 1 | ח | i. | n |] | 10 | <u> </u> | |
| Vinyl Chloride | <u> </u> | 32.2 |) | 70 | > | 6.09 | ⊃ | 18.2 | ⊃ | 72.1 | 10 | 0.07 | HHB |
| Chloroethane | ⊃ | 1 |) | ! | Ð | | D | 1 | ם |

 | 10 | - | |
| Methylene Chloride | 3 B | l | 3 JB | l | 2 JB | 1 | 2 JB | | 5 JB | 1 | 10 | ļ | |
| Acetone | | 1 | Ð | l | > | | ם | - | D | 1 | 10 | - | |
| Carbon Disulfide | D | | ⊃ | 1 |) | 1 | ⊃ | | ⊃ | | 10 | - | |
| 1,1-Dichloroethene | כ | 9.2 | ⊃ | 20 |) | 17.4 | כ | 5.2 | ⊃ | 20.6 | 10 | 0.02 | HH |
| 1,1-Dichloroethane | ⊃ | 1 | 2 J | 1 | n | | ⊃ | 1 | 5 | 1 | 10 | | |
| 1,2-Dichloroethene (total) | <u> </u> | | > | 1 |) | |) | 1 | > | 1 | 10 | | |
| Chloroform | ¬ | 1 | ⊃ | ļ | ⊃ | | ⊃ | ļ | Þ | 1 | 10 | 1 | |
| 1,2-Dichloroethane | > | 322 | ⊃ | 700 | ם | 609 | ⊃ | 182 | ⊃ | 721 | 10 | 0.7 | 모 |
| 2-Butanone | | | n | 1 | ⊃ | | ⊃ | 1 | ם | | 10 | | |
| 1,1,1-Trichloroethane | 17 | _
 | ი
ი | 1 | ე
ნ | l | 3 J | 1 | 2 J | 1 | 10 | 1 | ٠ |
| Carbon Tetrachloride | > | 276 | ⊃ | 009 | J | 522 | ⊃ | 156 | ⊃ | 618 | 10 | 9.0 | |
| Bromodichloromethane | > | | ⊃ | | Þ | | ⊃ | ļ | ⊃ | 1 | 10 | | |
| 1,2-Dichloropropane | > | | ⊃ | 1 | Þ | | ⊃ | 1 | D | 1 | 10 | 1 | |
| cis-1,3-Dichloropropene | ⊃ | I | כ | | ⊃ | | D | | ⊃ | | 10 | | |
| Trichloroethene | ⊃ | 920 | Г
9 | 2000 | 2 J | 1740 | 2 J | 520 | 4
J | 2060 | 10 | 2 | HHB |
| Dibromochloromethane | ⊃ | 1 | ם | 1 | Þ | ; | ם | | כ | | 10 | 1 | |
| 1,1,2-Trichloroethane | ⊃ | 276 | ם
כ | 009 | ם
כ | 522 | ב | 156 | n | 618 | 10 | 9.0 | HTB |
| Benzene |) | 276 |) | 009 | כ | 522 |) | 156 | ⊃ | 618 | 10 | 9.0 | 모모 |
| Trans-1,3-Dichloropropene | ⊃ | | ⊃
 | 1 | ב | | ⊃ | 1 | ⊃ | 1 | 10 | | |
| Bromotorm | - | - | > | - | ⊃ | 1 | כ | | D | 1 | 10 | 1 | |
| 4-Methyl-2-Pentanone | ⊃ | - | ⊃ | | ב
ב | 1 | ם
כ | |) | | 10 | 1 | |
| 2-Hexanone | <u> </u> | 1 | ⇒
- | 1 | | | <u> </u> | | > | l | 10 | 1 | |
| Tetrachloroethene | → | 368 | <u></u> | 800 | ⊃ | 969 | ב
ב | 208 |) | 824 | 10 | 8.0 | HHB |
| 1,1,2,2-Tetrachloroethane | כ | 138 | ם
ב | 300 | ב | 261 | ⊃ | 78 | ⊃ | 309 | 10 | 0.3 | HHB |
| Toluene | ⊃ | i | ב | l | ⊃ | 1 | כ | ŀ | ⊃ | 1 | 10 | [| |
| Chlorobenzene | ⊃ | 1610 | | 3500 | n | 3045 | ⊃ | 910 | n | 3605 | 10 | 3.5 | BALCT |
| Ethylbenzene | <u></u> | 2944 | ⊃ | 6400 | ⊃ | 5568 | ס | 1664 | Þ | 6592 | 10 | 6.4 | BALCT |
| Styrene | > | 1 | _ |] | <u></u> | | כ | | ח | - | 10 | | |
| Total Xylenes | n | 12420 | ב | 27000 | ם | 23490 | כ | 7020 | ⊃ | 27810 | 10 | 27 | BALCT |
| Total VOCs | 20 | | 21 | | 13 | | | | 11 | | | | |
| Qualifiers: | | | | <u>-</u> | Notes: | | ٠ | | | | | | |

U: Compound analyzed for but not detected

B: Compound found in the blank as well as the sample

J: Compound found at a concentration below the CRDL, value estimated

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---: not established

HHB - Human Health Bioaccumulation BALCT - Benthic Aquatic Life Chronic Toxicity N - Total organic carbon normalized criteria

Indicates value exceeds recommended soil clean-up objective.

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TABLE 7b. TRIMMER ROAD LANDFILL SITE REMEDIAL INVESTIGATION AND FEASIBILITY STUDY SURFACE WATER SEDIMENT SAMPLE RESULTS SEMIVOLATILE ORGANIC COMPOUNDS

| | | | | | Protection | Fevel | BALCT | | | BALCT | BALCT | BALCT | | | | | | | | | | | | | BALCT | | HHB | | BALCT | BALCT | | | | | | BALCT | | | | | |
|-----------------------|--------------|--------------------|-----------------|----------------|--------------------------|----------|--------|---------------------------|----------------|---------------------|---------------------|---------------------|----------------|-------------------------------|----------------|----------------------------|------------------|--------------|------------|---------------|--------------------|------------------------------|--------------------|------------------------|-------------|-----------------|---------------------|-------------------------|----------------------|---------------------------|-----------------------|-----------------------|---------------------|--|-------------------|----------------|--------------------|----------------|--------------|-------------------|---------------|
| | | | | NYSDEC | Sediment Criteria | (ng/goc) | 9.0 | 1 | ł | 12 | 12 | 12 | | Ī | 1 | 1 |] | 1 | - | 1 | 1 | ; | l | | 30 | l | 0.3 | i | 8 | 4.4 | ; | ***** | - | District Control of Co | | 140 | 1 | | E e a | - | |
| | Contract | Required | Detection | Limit | | (ng/kg) | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 800 | 330 | 800 | 330 | 330 | 330 | 800 | 330 | 800 | 800 |
| 9 | | 90 | | | Z | (ng/kg) | 618 | 1 | [| 12360 | 12360 | 12360 | 1 | 1 | 1 | | 1 | | 1 | 1 | ŀ | 1 | | 1 | 30900 | | 306 | | 35020 | 4532 | 1 | **** | | ŀ | | 144200 | | | 1 | | 1 |
| 9-QS | 0-3" | 00/60/90 | - | 99 | 1.03 | (ng/kg) | 310 J | ⊃ | _ | > | כ | כ | ⊃ | n |) | J | ⊃ | > | ⊃ | ⊃ | ⊋ | ם | כ | ⊃ | ⊃ | ⊃ | ⊃ | n | כ | <u> </u> | n | ⊃ | ⊃ | ⊃ | ⊃ | כ | ⊃ | ⊃ | > | ⊃ | D . |
| | | 9 | | | 2 | (ng/kg) | 156 | | | 3120 | 3120 | 3120 | | 1 | i | - | - | _
 | 1 | ţ | 1 | ! | | 1 | 7800 | ı | 78 | | 8840 | 1144 | ! | ŀ | | E L | [| 36400 | | ì | | | i |
| SD-4 | 0
-0 | 00/60/90 | - | 77 | 0.26 | (ng/kg) | 180 J | ב | ⊃ | > | ⊃ | ⊃ | ⊃ | D | ے
د | > | ⊃ |) | ⊃ | <u> </u> | n | D | ⊃ | ⊃ | > | ⊃ | ⊃ | > | D | <u> </u> | ⊃ | ם | ם | ⊃ | כ | ⊃ | ⊃ |) | כ | _ | ח |
| | | 0 | | | Z | (ng/kg) | 225 | ľ | | 10440 | 10440 | 10440 | | 1 | l | 1 | |] | | | • | } |
 | ŀ | 26100 | 1 | | ! | 29580 | 3828 | - | | - | | - | 1E+05 | | ı | 1 | | |
| SD-3 | 0-3 | 00/60/90 | - | 76 | 0.87 | (ng/kg) | 440 | ⊃ | _ | ⊃ | ⊃ | ⊃ | כ | ⊃ | O. | ⊃ | ⊃ | ⊃ | - | ⊃ | J | ⊃ | ⊃ | כ | ⊃ |) | > : | ⊃ | ⊃ | כ | ⊃ | ⊃ | > | <u> </u> | _ | _ | כ | _ | > | 5 | Э |
| | | Q | | | 2 | (ng/kg) | 009 | - | | 12000 | 12000 | 12000 | - | | 1 | | - | . | | 1 | | | 1 | } | 30000 | 1 | 00
000 | ! | 34000 | 4400 | ŀ | 1 | i i | - |] | 140000 | - | | 1 | | - |
| SD-2 | 0-3" | 00/60/90 | | 75 | 1.00 | (ng/kg) | 320 J | Þ | ⊃ | ⊃ | ר | כ | ⊃ | ⊃ | n | ⊃ | ⊃ | ⊃ | ⊃ | ⊃ | ⊃ | ⊃ | כ | ⊃ |) | ⊃ : |) |)
) | 5 | ⊃ | D | ב | ⊃ | ⊃ | ⊃ | ⊃ | ⊃ | Σ | > | ⊃ | Ω |
| | | 0 | | | Z | (ng/kg) | 276 | | | 5520 | 5520 | 5520 | 1 | 1 |
} | | - | - | - | 1 | | l | | | 13800 | | 8 | 1 | 15640 | 2024 | 1 | | 1 | | | 64400 | - |] | | | 1 |
| SD-1 | 0-3" | 00/80/90 | - | 69 | 0,46 | (ug/kg) | 360 J | n | ⊃ | ם
י | כ |) | n |) | ⊃ | ⊃ | D | | ⊃ | ⊃ | | ⊃ | ⊃ | > | > | : |
⊃ : | э: | → | |) | ⊃ | n | ⊃ | ⊃ | ⊃ | ⊃ | ⊃ | ⊃ | n | n |
| Sample Identification | Sample Depth | Date of Collection | Dilution Factor | Percent Solids | Total Organic Carbon (%) | Units | Phenol | bis (2-Chloraethyl) ether | 2-Chlorophenol | 1,3-Dichlorobenzene | 1,4-Dichlorobenzene | 1,2-Dichlorobenzene | 2-Methylphenol | 2,2"-Oxybis (1-Chloropropane) | 4-Methylphenol | N-Nitroso-di-n-propylamine | Hexachloroethane | Nitrobenzene | Isophorone | 2-Nitrophenol | 2,4-Dimethylphenol | bis (2-Chloroethoxy) methane | 2,4-Dichlorophenol | 1,2,4-Trichlorobenzene | Naphthalene | 4-Chloroaniline | Hexachlorobutadiene | 4-Chloro-3-methylphenol | Z-IWethyInaphthalene | Hexachlorocyclopentadiene | 2,4,6-Trichlorophenol | 2,4,5-Trichlorophenol | 2-Chloronaphthalene | 2-Nitroaniline | Dimethylphthalate | Acenaphthylene | 2,6-Dinitrotoluene | 3-Nitroaniline | Acenaphthene | 2,4-Dinitrophenol | 4-Nitrophenol |

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TABLE 7b. (CONTINUED) TRIMMER ROAD LANDFILL SITE REMEDIAL INVESTIGATION AND FEASIBILITY STUDY SURFACE WATER SEDIMENT SAMPLE RESULTS SEMIVOLATILE ORGANIC COMPOUNDS

| Sample Identification | SD-1 | -1 | SD-2 | -2 | SD-3 | 8 | SD-4 | ** | 9-OS | - | | | |
|------------------------------|-------------|---------|------------------|-----------|----------|---------|-------------|-------------|-------------|---------|-----------|-------------------|------------|
| Sample Depth | 0-3" | === | 0-3 ₁ | | 6-0 | | 0-3 | =- | 0-3 | | Contract | | |
| Date of Collection | 00/80/90 | 00/ | 00/60/90 | 00/ | 00/60/90 | 8 | 00/60/90 | 00 | 00/60/90 | 0 | Required | | |
| Dilution Factor | _ | | _ | | 1 | | - | | - | | Detection | | |
| Percent Solids | 69 | | 75 | | 76 | | 11 | | 56 | | Limit | NYSDEC | |
| Fotal Organic Carbon (%) | 0.46 | 2 | 1.00 | 2 | 0.87 | 2 | 0.26 | 2 | 1.03 | 2 | | Sediment Criteria | Protection |
| Units | (ng/kg) | (ug/kg) | (ng/kg) | (ug/kg) | (ng/kg) | (ug/kg) | (ng/kg) | (ng/kg) | (ug/kg) | (ng/kg) | (ng/kg) | (ng/goc) | Level |
| Dibenzofuran | <u> </u> | | ⊃ | 1 |)
 - | | ⊃ | 1 | n | | 330 | 177 | |
| 2,4-Dinitrotoluene | | | ⊃ | | כ | 1 | ⊃ | 1 | _ | - | 330 | Į | |
| Diethylphthalate | _ | ı | ⊃ |

 | ⊃ | l | ⊃ | 1 | <u> </u> | | 330 | j | |
| 4-Chlorophenyl-phenylether | <u>→</u> | 1 | כ | 1 | n | į | Þ | _

_ | - | | 330 | | |
| Fluorene | ⊃ | 3680 | ⊃ | 8000 | ⊃ | 0969 | _ | 2080 | | | 330 | œ | BALCT |
| 4-Nitroaniline | <u></u> | ŀ | n | 1 | _ | 1 | | |)) | | 330 | ٠ | |
| 4,6-Dinitro-2-methylphenol | _ | | D | | O | | D | i | -
- | - | 330 | ****** | |
| N-Nitrosodiphenylamine | ⊃ | | ⊃ | l | כ | | o |

 | D | | 330 | 1 | |
| 4-Bromophenyl-phenylether | כ | 1 | ר | 1 | ⊃ | į | - | | > | | 330 | | |
| Hexachlorobenzene | _ | 9 | Þ | 150 | ⊃ | 130.5 | Þ | æ | Þ | | 330 | 0.15 | HHB |
| Pentachlorophenol | <u></u> | 18400 | ⊃ | 40000 | ⊃ | 34800 | Ω | 10400 | _ | | 330 | 8 | BALCT |
| Phenanthrene | > | 55200 | ם | 120000 | ⊃ | 1E+05 | כ | 31200 | <u> </u> | | 330 | 120 | BALCT |
| Anthracene | → | 49220 | ⊃ | 107000 | Þ | 93090 | ⊃ | 27820 | 5 | | 330 | 107 | BALCT |
| Carbazole | <u> </u> | 1 | ⊃ | 1 | ⊃ | 1 | ⊃ | 1 | _ | | 330 | ļ | |
| Oi-n-butylphthafate | _ | I | כ | - |) | j | | i | 5 | | 330 | 1 | |
| Fluoranthene | <u></u> | 469200 | ⊃ | 1E+06 | כ | 9E+05 | ⊃ | 265200 | ⊃ | - | 330 | 1020 | BALCT |
| Pyrene | 5 | 442060 | ⊋ | 961000 | ⊃ | 8E+05 | ⊃ | 249860 | ⊃ | • | 330 | 961 | BALCT |
| Butylbenzylphthalate | _ | | > | | ⊃ | į | > | | ר | | 330 | 1 | |
| 3,3'-Dichlorobenzidine | _ | | ⊃ | | ⊃ | 1 | ⊃ | | כ | | 330 | 1 | |
| Benzo (a) anthracene | ⊃ | 5520 | ⊃ | 12000 | ⊃ | 10440 | ⊃ | 3120 | > | | 330 | 12 | BALCT |
| Chrysene | ⊃ | 598 |) | 1300 | ⊃ | 1131 | D | 338 | ⊃ | | 330 | 6.1 | HHB |
| bis (2-Ethylhexyl) phthalate | 270 J | 91770 | 320 J | 199500 | 230 J | 2E+05 | 210 J | 51870 | 340 J | | 330 | 199.5 | BALCT |
| Di-n-octylphthalate | > | | <u> </u> | 1 | כ | | <u> </u> | | ⊃ | | 330 | | |
| Benzo (b) fluoranthene | <u></u> | 598 | ח | 1300 | ⊃ | 1131 | Þ | 338 | D | | 330 | 1.3 | HHB |
| Benzo (k) fluoranthene | _ | 598 | ⊃ | 1300 | | 1131 | ⊃ | 338 | ⊃ | | 330 | | HHB |
| Benzo (a) pyrene | | 598 | ⊃ | 1300 |) | 1131 | ⊃ | 338 | \supset | | 330 | د : | HHB |
| Indeno (1,2,3-cd) pyrene | - | 298 | כ | 1300 |) | 1131 | כ | 338 | ⊃ | | 330 | 1.3 | HHB |
| Dibenzo (a,ħ) anthracene | > | | b | | כ | 1 | ⊃ | - | <u></u> | | 330 | ı | |
| Benzo (g,h,i) peryfene | ם | 1 | ⊃ | - | כ | 1 | n | | ⊃ | | 330 | | |
| Fotal PAHs | 0 | | 0 | | 0 | | 0 | | 0 | | | | |
| Fotal Carcinogen PAHs | 0 | | 0 | | 0 | | 0 | | 0 | | | | |
| Fotal SVOCs | 630 | | 640 | | 029 | | 390 | | 650 | | | | |
| Qualifiers: | - | | | Ž | Notes: | | | | | | | | |

Use Compound found at a concentration below the detection limit Use Compound analyzed for but not detected B: Compound found in the method blank as well as the sample

Notes:

N - Total organic carbon normalized criteria

Indicates value exceeds NYSDEC soil clean-up objective. ---: not established

HHB - Human Health Bioaccumulation BALCT - Benthic Aquatic Life Chronic Toxicity MDL - method detection limit

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REMEDIAL INVESTIGATION AND FEASIBILITY STUDY SEDIMENT SAMPLING RESULTS - JUNE 2000 PESTICIDE/PCBs TRIMIMER ROAD LANDFILL SITE TABLE 7c.

| 6/6/99/00 Required 1 Detection Sediment Criteria Protection 1.03 N Sediment Criteria Protection (ug/kg) (ug/kg) (ug/kg) Limit Protection U — 0.05 — Level U — 0.05 — Level U — 0.05 — HHB U — 0.05 — HHB U — 0.05 — HHB U — 0.05 — HHB U 10.3 0.10 0.01 HHB U — 0.10 — HHB U — 0.10 — HHB U — 0.10 — HHB U — 0.10 — HHB U — 0.10 — HHB U — 0.10 — HHB <t< th=""><th>SD-2 SD-3
0-3" 0-3"</th><th>SD-3
0-3"</th><th>SD-3
0-3"</th><th></th><th></th><th>SD-4
0-3"</th><th></th><th>1 1 1</th><th>SD-6</th><th></th><th>Contract</th><th></th><th></th></t<> | SD-2 SD-3
0-3" 0-3" | SD-3
0-3" | SD-3
0-3" | | | SD-4
0-3" | | 1 1 1 | SD-6 | | Contract | | |
|---|---|-------------------------|-----------------|---------------|----------------|--------------|---------------|---------|---------------|---------|-----------|-------------------|------------|
| 1 Detection | 00/60/90 00/60/90 00/60/90 00/09/00 | 00/60/90 | 00/60/90 | | | 00/60/90 | | | 0/60/90 | 0 | Required | | |
| 1.03 N Sediment Criteria (1.03) (ug/kg) (ug/kg) (ug/gOC) | 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | 04. | | | 1 | - | - 1 | | - 5 | | Detection | CHGONIA | |
| (ug/kg) (ug/kg) (ug/kg) (ug/kg) (ug/kg) (ug/kg) (ug/gOC) — U — 0.05 — — 0.05 — — U — 0.05 — — — — — U — 0.05 — — — — — U — 0.05 — — — — 26 U 103 0.10 0.01 0.01 — | N 1.00 N 0.87 N 0.26 | N 0.87 N 0.26 | 0.87 N 0.26 | N 0.26 | 0.26 | | | z | 1 | z | | Sediment Criteria | Protection |
| U 0.05 U 0.05 0.21 U 0.05 26 U 103 0.05 2.6 U 103 0.10 0.01 2.6 U 103 0.10 0.01 2.6 U 103 0.10 0.01 2.6 U 103 0.10 0.01 2.6 U 103 0.10 0.01 2.6 U 10.3 0.10 0.01 2.6 U 10.3 0.10 0.01 2.6 U 10.3 0.10 0.01 2.6 U 10.3 0.10 0.01 2.6 U 10.3 0.05 0.00 2.6 U 10.3 0.05 0.00 2.6 U 10.3 0.05 0.00 2.6 U | (ug/kg) (ug/kg) (ug/kg) (ug/kg) (ug/kg) (ug/kg) | (ug/kg) (ug/kg) (ug/kg) | (ug/kg) (ug/kg) | (ug/kg) | | (ug/kg) |) | 'ug/kg) | (ng/kg) | (ug/kg) | (ng/kg) | (ng/gOC) | Level |
| 0 0.05 0.21 0 0.05 0.05 26 0 103 0.05 0.03 0.03 26 0 103 0.05 0.03 0.03 26 0 103 0.10 0.01 0.01 2.6 0 103 0.10 0.01 0.01 2.6 0 103 0.10 0.01 0.01 2.6 0 103 0.10 0.01 0.01 2.6 0 103 0.10 0.01 0.01 2.6 0 103 0.10 0.01 0.01 2.6 0 103 0.05 0.01 0.01 2.6 0 103 0.05 0.00 0.06 2.6 0 103 0.05 0.00 0.00 2.6 0 103 0.05 0.00 0.00 2.6 </td <td>)
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→ | 26 | ⊃ | 103 | 0.05 | 0.1 | 罜 |
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> ></td><td>2.6</td><td>></td><td>10.3</td><td>0.0</td><td>0.01</td><td>至至</td></t<> | D D D |) ⊃ |) ⊃ |) N | 8.7 | |
> > | 2.6 | > | 10.3 | 0.0 | 0.01 | 至至 |
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: C | 208 | > | 824 | 0.10 | 0.8 | HHB |
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 | U 8.7 | 8.7 | | | 2.6 | ⊃ | 10.3 | 0.10 | 0.01 | HHB |
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 | 103 | 0.05 | 0.00 | 皇皇 |
| 0.21 U 0.824 1.0 0.0008 0.21 U 0.824 2.0 0.0008 0.21 U 0.824 1.0 0.0008 0.21 U 0.824 1.0 0.0008 0.21 U 0.824 1.0 0.0008 0.21 U 0.824 1.0 0.0008 0.21 U 0.824 1.0 0.0008 0.21 U 0.824 1.0 0.0008 0.21 U 0.824 1.0 0.0008 | U 10 0 | | | U 8.7 | 8.7 | | - | 2.6 | · > | 10.3 | 5.0 | 0.01 | BALC |
| 0.21 U 0.824 2.0 0.0008 0.21 U 0.824 1.0 0.0008 0.21 U 0.824 1.0 0.0008 0.21 U 0.824 1.0 0.0008 0.21 U 0.824 1.0 0.0008 0.21 U 0.824 1.0 0.0008 0.21 U 0.824 1.0 0.0008 | U 0.368 U 0.896 | <u> </u> | <u> </u> | U 0.696 | 969.0 | | <u>۔</u>
د | 0.21 | > | 0.824 | 1.0 | 0.0008 | HB
HB |
| 0.21 U 0.824 1.0 0.0008 0.21 U 0.824 1.0 0.0008 0.21 U 0.824 1.0 0.0008 0.21 U 0.824 1.0 0.0008 0.21 U 0.824 1.0 0.0008 0.21 U 0.824 1.0 0.0008 | <u> </u> | | | U 0.696 | 969.0 | | 二
っ | 0.21 | | 0.824 | 2.0 | 0.0008 | HHB |
| 0.21 U 0.824 1.0 0.0008 0.21 U 0.824 1.0 0.0008 0.21 U 0.824 1.0 0.0008 0.21 U 0.824 1.0 0.0008 0.21 U 0.824 1.0 0.0008 | U 0.368 U 0.8 U 0.696 | > | > | 0.696
U | 969.0 | | i
o | 0.21 | <u> </u> | 0.824 | 1.0 | 0.0008 | HHB |
| 0.21 U 0.824 1.0 0.0008 0.21 U 0.824 1.0 0.0008 0.21 U 0.824 1.0 0.0008 0.00 0.00 0.0008 | U 0.8 | | | 0.696
U | 969.0 | | 二.
コ | 0.21 | > | 0.824 | 1.0 | 0.0008 | HHB |
| 0.21 U 0.824 1.0 0.0008 0.21 U 0.824 1.0 0.0008 0.0 0.0 0.0 0.0 0.0 | U 0.8 | D | D | 0.696
U | 0.696 | | <u> </u> | 0.21 | > | 0.824 | 1.0 | 0.0008 | HHB |
| 0.21 U 0.824 1.0 0.0008 | U 0.8 | | | 0.696 | 969.0 | | | 0.21 | > | 0.824 | 1.0 | 0.0008 | HHB |
| | U 0.368 U 0.896 | n
D | n
D | U 0.696 | 0.696 | | ⊥
⊃ | 0.21 | n | 0.824 | 1.0 | 0.0008 | HHB |
| | 0.0 0.0 | 0.0 | | | | | 0.0 | | 0.0 | | | | |

U: Compound analyzed for but not detected

J: Compound found at a concentration below the CRDL, value estimated

P. Greater than 25% difference for detected concentrations between the two GC columns

BALCT - Benthic Aquatic Life Chronic Toxicity

recommended soil clean-up objective Indicates value exceeds NYSDEC

N - Total organic carbon normalized criteria HHB - Human Health Bioaccumulation

---: not established

***. Total pesticides not to exceed 10,000 ug/kg

*: Value refers to the sum of these compounds

REMEDIAL INVESTIGATION AND FEASIBILITY STUDY SEDIMENT SAMPLING RESULTS - JUNE 2000 INORGANICS TRIMMER ROAD LANDFILL SITE TABLE 7d.

| Sample Identification | SD-1 | SD-2 | SD-3 | SD4 | 9-QS | | NYSDEC | NYSDEC |
|-----------------------|----------|----------|----------|----------|----------|--------------|-------------------|-------------------|
| Sample Depth | 0-3" | 0-3" | 0-3" | 0-3" | 0-3" | | Sediment Criteria | Sediment Criteria |
| Date of Collection | 00/80/90 | 00/60/90 | 00/60/90 | 00/60/90 | 00/60/90 | Instrument | for Metals* | for Metals* |
| Dilution Factor | - | 1 | 1 | 1 | - | Detection | Lowest Effect | Severe Effect |
| Percent Solids | 69 | 62 | 78 | 69 | 70 | Limit | Level | Level |
| Units | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (ygn) | (mg/kg) | (mg/kg) |
| Aluminum | 54,300 | 4,530 | 4,430 | 096'9 | 9,860 | 13 | - | - |
| Antimony | 12.5 B | <u> </u> | _ |) | <u>⊃</u> | ω | 7 | 25 |
| Arsenic | 49.2 | 5.6 | 2.3 | 1.2 B | 3.1 | ო | 9 | 88 |
| Barium | 2,760 | 50.1 | 39.2 B | 95.3 | 108 | - | 1 | ł |
| Beryllium | . 4.1 B | 0.29 B | 0.27 B | 0.32 B | 0.48 B | _ | ı | , I |
| Cadmium | 16.9 | 1.7 | 0.72 B | 0.98 B | 1.3 B | - | 9.0 | 0 |
| Calcium | 12,900 | 15,500 | 7,460 | 1,540 | 2,130 | 8 | ı | 1 |
| Chromium | 78.7 | 0.6 | 7.1 | 10.2 | 13.4 | ~ | 26 | 110 |
| Cobalt | 155 | 8.8 B | 6.0 B | 6.0 B | 8.7 B | 2 | 1 | 1 |
| Copper | 5.6 B | 3.3 B | 5.1 B | 1.5 B | 1.9 B | - | 16 | 110 |
| Iron | 213,000 | 28,500 | 12,800 | 13,500 | 20,800 | 8 | 20,000 | 40,000 |
| Lead | 25.7 | 4.3 | 2.9 | 5.3 | 6.3 | 2 | 31 | 110 |
| Magnesium | 15,500 | 3,810 | 2,780 | 2,440 | 3,310 | ۵ | 1 | ì |
| Manganese | 24,500 | 462 | 247 | 221 | 353 | 4 | 460 | 1100 |
| Mercury | Π | n | ⊃ | ⊃ | ⊃ | 0.2 | 0.15 | 1,3 |
| Nickel | 99.3 | 13.9 | 12.0 | 12.5 | 16.3 | 2 | 16 | 20 |
| Potassium | 506 B | 237 B | 566 B | 739 B | 1,080 B | 50. | | 1 |
| Selenium | 21.6 | ח | 5 | ⊃ | ם
כ | 4 | 1 | |
| Silver | 21.6 | 2.8 | 1.4 B | 1.1 B | 1.8 B | | - | 2.2 |
| Sodium | 1,690 B | 348 B | 218 B | 120 B | 201 B | 0 | ì | ı |
| Thallium | 11.1 B | 1.6 B | | ⊃ | 2.2 B | co | 1 | |
| Vanadium | 219 | 15.0 | 10.2 B | 15.7 | 20.8 | - | ŀ | ŀ |
| Zinc | 569 | 91.1 | 41.6 | 35.3 | 67.1 | - | 120 | 270 |
| Cyanide | n | | ⊃ | D | _ | 10 | - | |
| Qualifiers: | | | | | | | | |

U: Compound analyzed for but not detected B: Compound concentration is less than the CRDL but greater than the IDL.

Notes:

To determine the detection limit for each sample, use the following equation: (CRDL)*(DF)*(100/%S) where CRDL = contract required detection limit, DF = dilution factor and %S = percent solids. *: as per January 22, 1999 NYSDEC Technical Guidance for Screening Contaminated Sediment

soil clean-up objective

^{--:} not established

Indicates value exceeds the NYSDEC recommended

TABLE 7e. TRIMMER ROAD LANDFILL SITE REMEDIAL INVESTIGATION AND FEASIBILITY STUDY SEDIMENT SAMPLING RESULTS - JUNE 2000 TOTAL ORGANIC CARBON

| Sample Identification | SD-1 | SD-2 | SD-3 | SD-4 | SD-6 | Instrument |
|-----------------------|----------|----------|----------|----------|----------|------------|
| Sample Depth | 0-3" | 0-3" | 0-3" | .6-0 | 0-3" | Detection |
| Date of Collection | 00/80/90 | 00/60/90 | 00/60/90 | 00/60/90 | 00/60/90 | Limit |
| Units | % | % | % | % | % | % |
| Total Organic Carbon | 0.46 | 1.00 | 0.87 | 0.26 | 1.03 | 0.10 |

REMEDIAL INVESTIGATION AND FEASIBILITY STUDY PRIVATE WATER SUPPLY SAMPLE RESULTS VOLATILE ORGANIC COMPOUNDS TRIMMER ROAD LANDFILL SITE TABLE 8a.

| | | | | | | | | | Contract | NYSDOH |
|----------------------------|-------------|----------|----------|-------------|-------------|----------|-------------|----------|----------------|-------------------|
| Sample Identification | DW-1 | DW-2 | DW-3 | DW- 4 | DW- 5 | 9- MQ | DW- 7 | DW-8 | Required | Drinking Water |
| Date of Collection | 6/13/00 | 6/13/00 | 6/13/00 | 6/14/00 | 6/14/00 | 6/14/00 | 6/14/00 | 6/14/00 | Detection | Maximum |
| Dilution Factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | Limit | Contaminant Level |
| Units | (l/gn) | (l/gn) | (I/Bn) | (l/Bn) | (l/gn) | (J/Bn) | (l/bn) | (l/bn) | (nd/l) | (na/l) |
| Chloromethane | Þ | n | n | Π | n |)
) | þ |) |) | 5 |
| Bromomethane | > | ¬ | ⊃ | ם | ם | ס | ח | ⊃ | - | 5 |
| Vinyl Chloride | ⊃ | ם | ם | ב | n | > | ¬ | n | - | 5 |
| Chloroethane | ⊃ | ⊃ | ח | ם |) | | > | כ | ** | 5 |
| Methylene Chloride | <u></u> | ס | D | ٥ | <u></u> | _ | ס | n | 8 | . 23 |
| Acetone | <u></u> | ם | n | ⊃ | ⊃ | ⊃ | ⊃ | ⊃ | ß | 5 |
| Carbon Disulfide | ח | ב
ב | ⊃ | Þ | ⊃ | ס | ם | | - | · W |
| 1,1-Dichloroethene | > | | ס | <u></u> | _ | | כ | ם י | · - | ıc |
| 1,1-Dichloroethane | <u> </u> | → | ñ | n | ח | Э | | · ⊃ | · - | · w |
| 1,2-Dichloroethene (total) | _ | ם | כ | Þ | ב | ם | | ם | · / | ιΩ |
| Chloroform | כ | כ | D | <u></u> | څ | ם | ח | ח | - | Ŋ |
| 1,2-Dichloroethane | > | D | ם | ס | כ | ם | ח | ם | - | ιΩ |
| 2-Butanone | <u> </u> | > | ລ | > | Þ | · ⊃ | כ | ⊃ | 22 | Ŋ |
| 1,1,1-Trichloroethane |) |) | כ | ⊃ | <u></u> | כ | ח | ר | _ | z, |
| Carbon Tetrachloride | Ð | ם | ⊃ | ב | ח | - | ם | ⊃ | 7- | 5 |
| Bromodichloromethane | ⊃ | ם | ם | <u></u> | כ | |) | _
 | - | 5 |
| 1,2-Dichloropropane | ס | D | ם | <u></u> | 5 | כ | ח | ב | - | 5 |
| cis-1,3-Dichloropropene | ⊃ | n | ⊃ | > | ⊃ | ⇒ | כ | ⊃ | * - | ις |
| Trichloroethene | Þ |) | ¬ | ⊃ | כ | | D | <u></u> | · - | 52 |
| Dibromochloromethane | ס | <u></u> | ⊃ | ⊃ | 5 | n | ⊃ | ⊃ | - | S |
| 1,1,2-Trichloroethane | n | כ | <u> </u> | ⊃ | ⊋ | · ⊃ | ⊃ | J | 7 | 5 |
| Benzene | ¬ | J | Þ | ⊃ | | ⊃ | ח | ⊃ | τ- | 2 |
| Trans-1,3-Dichloropropene | ם | ⊃ | ח | ם | > | <u></u> | 5 | ⊃ | - | ъ |
| Bromoform | ∍ | Þ | ם | > | Þ | כ | _ | ⊃ | , – | τO |
| 4-Methyl-2-Pentanone | ס | D | ⊃ | n | n | ם | n | 5 | ťΩ | ιΩ |
| 2-Hexanone | ם | | ⊃ | - | > | ⊃ | ⊃ | - | ۳., | νo |
| Tetrachloroethene | ⊃ | ⊃ | כ | D |) | ⊃ | ⊃ | | | Ŋ |
| 1,1,2,2-Tetrachloroethane | ⊃ | <u>ה</u> | ם | D
1 | n | ה | ח | Þ | - | ю |
| Toluene | ח | ⊃ | ם | כ | _ | _
_ |
כ | | <u></u> | S |
| Chlorobenzene | כ | D | ⊃ | _ | <u></u> | ⊃ | _ | ב | - | ĸ |
| Ethylbenzene | ⊃ | ח | ם | ⊃ | n | n | ח | ח | - | LO |
| Styrene | ⊃ | כ | - | ם | - | ס |) | | - | 22 |
| Total Xylenes | n | ח | —
⊃ | | ח | ח | ח | ם | _ | S |
| Total VOCs | 0 | 0 | 0. | 0 | 0 | 0 | 0 | 0 | | 100 |
| | | | | | | | | | | |

| ij |
|----|
| 监 |
| 片 |
| ₹ |

- U: Compound analyzed for but not detected
- B: Compound found in the blank as well as the sample

Indicates value exceeds standard or guidance value.

NOTES:

- J: Compound found at a concentration below the CRDL, value estimated
 - D: Value is a result of analysis with a dilution factor of 2.0 U*: Result qualified as non-detect based upon validation criteria

REMEDIAL INVESTIGATION AND FEASIBILITY STUDY PRIVATE WATER SUPPLY SAMPLE RESULTS INORGANIC PARAMETERS - UNFILTERED TRIMMER ROAD LANDFILL SITE TABLE 8b.

| - | | | | | | | | | _ | NYSDOH |
|-----------------------|---------|----------|----------|-------------|-------------|----------|----------|----------|------------|-------------------|
| Sample Identification | DW-1 | DW-2# | DW-3# | DW-4 * | DW-5 | * 9- MQ | DW-7 * | DW-8 | Instrument | Drinking Water |
| Date of Collection | 6/13/00 | 6/13/00 | 6/13/00 | 6/14/00 | 6/14/00 | 6/14/00 | 6/14/00 | 6/14/00 | Detection | Maximum |
| Dilution Factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | Limit | Contaminant Level |
| Units | (l/gn) | (//gn) | (l/gn) | (J/Bn) | (l/gn) | (l/gn) | (l/gn) | (l/6n) | (l/gn) | (l/gu) |
| Aluminum | ⊃ | ם | 103 B | > | D | 18 B | n | כ | 12 | |
| Antimony | Ð | 5 | ם | ¬ | ם | ם | Ð | - | 2 | φ |
| Arsenic | כ | <u> </u> | כ | | <u>></u> | כ | <u></u> | ם | 4 | 20 |
| Barium | 334 | 260 | 300 | 121 B | 114 B | 197 B | 202 | 61 B | - | 2,000 |
| Beryllium | D | כ | ם | ¬ | 5 | ס | 0 | > | 0.2 | 4 |
| Cadmium | ⊃ | 0.83 B | 0.33 B | 0.22 B | 0.85 B | 0.28 B | ⊃ | ח | 0.2 | ഹ |
| Calcium | 005,89 | 140,000 | 156,000 | 90,500 | 50,100 | 144,000 | 56,600 | 009'06 | | ļ |
| Chromium | כ | ⊃ | ם | כ | > | n | ם |) | 0.4 | 100 |
| Cobalt | ⊃ | ם | ⊃ | ,
D | D. | ¬ | n | ח | 9.0 | ! |
| Copper | 4
B | n | 9.1 B | 49.2 | 5.6 B | <u> </u> | 6.9 B | 13 B | | |
| lron | 40 B | 13,200 | 249 | 8.7 B | 131 | 1,070 | 25 B | 6.9 B | | 300^ |
| Lead | ⊃ | ס | ⊃ | ⊃ | 8.5 | D | ¬ | ¬ | m | , |
| Magnesium | 12,700 | 26,500 | 30,200 | 32,700 | 136,000 | 28,700 | 10,300 | 29,400 | - | ŀ |
| Manganese | 1,4 B | 242 | 43.7 | 0.82 B | 5.9 B | 14.2 B | 5 | 80
81 | 0.8 | 300 |
| Mercury | D | כ | . | > | ⊃ | 5 | D | ⊋ | 0.13 | . 23 |
| Nickel | 0.77 B | 2.1 B | 1.6 B | 3.8 B | 0.85 B | 2.8 B | 0.7 B | 1.2 B | | - |
| Potassium | 2,990 B | 4,850 B | 9,950 | 14,700 | 1,700 B | 12,000 | 2,210 B | 26,500 B | | ł |
| Selenium | 12.3 | 20.6 | 11.5 | 12.2 | 8.2 | 13.9 | 10.8 | 6.6 | | 50 |
| Silver | כ | → | כ |
_> | ⊃ | 5 | - | D | ო | 100 |
| Sodium | 18,000 | 75,200 | 77,400 | 84,100 | 14,400 | 197,000 | 15,000 | 58,200 | | VV |
| Thallium | 5 | ⊃ | ח | כ | ⊃ | 5 | | □ | 9 | 73 |
| Vanadium |) | 0.59 B | 0.68 B | > | 78 | <u> </u> | | 0.8 B | 0.5 | ì |
| Zinc | 8.2 B | 24 | 72.6 | 27.7 | 77.6 B | 3.9 B | 5.4 B | 7.6 B | | 2,000 |
| Cyanide | ם | ס | ם | ח | n | ח | ב | ם | 7 | 200 |
| | | | | | | | | | | |

- QUALIFIERS:
 U. Compound analyzed for but not detected
 B: Compound concentration is less than the CRDL
 but greater than the IDL.

- # Sample collected directly from well, not at indoor tap.
 * Well is not connected to household drinking supply. Public water is used by residents.
 --- no designated limit
- ^ The combined standard for iron and manganese is 500 ug/l. Higher levels may be allowed by

 $^{\mathrm{AA}}$ - Water with > 20,000 ug/l should not be consumed by people with severley restricted sodium diets the State when justified by water supplier.

Indicates value exceeds standard or guidance value

Table 9. Trimmer Road Landfill Soil Gas Survey Results

Measurements **Grid Location*** PID FID Northing (ft) Easting (ft) (ppm) (ppm) Comments C 1200 0.0 0.0 $\overline{\mathsf{c}}$ 1400 0.0 0.0 C 1600 0.0 0.0 С 1800 0.0 0.0 C 2000 0.0 0.0 С 2200 0.0 0.0 C+100 1500 8.4 0.0 C+100 1700 6.0 0.6 C+100 1900 0.5 0.0 Biased sample based on bare spot on ground. D 1200 0.0 0.0 D 1400 2.7 0.0 D 1600 10.8 (12.1) 120 (86) Grid spacing reduced to 100' near D,1600 based on D 1800 0.0 0.0 these results. () indicate measurement at same D 2000 6.8 0.0 point, one day later. D 2200 0.0 0.0 D+100 1500 6.8 21.0 D+100 10.2 1700 39.0 Е 1200 0.0 0.0 E 1400 0.6 0.0 E 1600 2.9 0.1 E 1800 0.9 0.0 E 2000 6.1 1.1 Ε 2200 2.4 0.0 F 1200 7.2 0.0 F 1400 0.4 0.0 F 1600 1.6 0.0 F 1800 0.0 0.0 F 2000 0.0 0.0 F 2200 8.0 0.0 G 1200 0.2 6.2 G 1400 0.4 38.0 G 1600 5.9 3.5 G 1800 2.2 0.0 G 2000 6.8 0.0 G 2200 7.4 0.6 G+100 1700 0.4 0.0 Biased sample based on bare spot on ground. Η 1200 0.6 46.0 H 1400 19.8 8.0 Н 1600 12.1 38.0 Н 1800 0.2 0.0 Н 2000 0.4 0.0 Η 2200 12.6 1.2

0.0

0.0

0.0

12.0

0.0

0.0

1200

1400

1600

1800

2000

2200

0.0

0.0

0.0

0.0

0.0

0.0

^{*}The soil gas survey was conducted on April 19 and 20, 2000. The weather was overcast with no wind and temperatures in the 50's Fahrenheit. Soil probes were advanced to a depth of 1.5 feet below ground surface. The samples were collected at nodes on the grid established for the geophysical survey and depicted in Figure 2-1

TRIMMER ROAD LANDFILL SITE PRE-DESIGN INVESTIGATION GROUNDWATER SAMPLE RESULTS - JANUARY 2005 VOLATILE ORGANIC COMPOUNDS

| Oromala Idantificani | | | | | | | | | | | Contract | NYSDEC Class GA |
|---------------------------------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|------------|----------------|-----------|-----------------|
| Date of Collection | 02/05/05 | MW-5S | MW-6S | MW-7S | MW-8S | MW-9S | MW-11 | MW-12 | MW-13 | MW-14 | Required | Groundwater |
| Dilution Factor | 10 | 10 | 01/20/03 | colonizo
V | 0.1/20/05 | 50/02/10 | 50/02/10 | 01/20/05 | 01/20/05 | 01/20/05 | Detection | Standard or |
| Units | (/on) | (Jon) | () (i) | () Daily | 0.1 | (lbail) | 0.1 | 0.1 | 0,1 | 1.0 | LIMIT | Guidance Value |
| Dichlorodifluoromethane | | (1) | (1867) | (Jan) | (1/60) | (ugu) | (vôn) | (ngn) | (v8n) | (ngn) | (ng/l) | (vgn) |
| Chloromethane | | = | . = | > = | - | - |) <u>-</u> | > = | > = | > = | 2 9 | n h |
| Vinyl Chloride | 06 | 50 | > = | = | = | 2 |) = | > = | 7 | o : | 2 5 | - P. C |
| Bromomethane | Π | | = | - | > = | | > = |) <u>=</u> | |) : | 2 5 | 0 6
V L |
| Chloroethane | i | 13 | 2 7 | - = | > = | 33 |) <u>-</u> | > = | - c | > = | 2 6 | E PO |
| Trichlorofluoromethane | ח |] | , ⊃ | = |) = | 75 |) | > = | - =
- | > = | 5 5 | - Po u |
| 1,1-Dichloroethene | 0 | _ | 'n | - | · = |) = | > = | -
- |) = | > = | 2 5 | - FO 4 |
| 1,1,2-trichloro-1,2,2-trifluoroethane | <u> </u> | · > | | | = | = | > = |) = | |
- | 5 5 | i o |
| Acetone | _ | | , 1 | | = | > = |) = | o = | > = | o = | 2 6 | 7.000 |
| Carbon Disulfide |) | | · = | |) <u>-</u> | > = | · · · |) <u>=</u> | - 0 |) = | 5 5 | A500 |
| Methyl Acetate | n | n | - = | · = | = | > = | · = | > = | ? = | > = | 5 6 | 2000 |
| Methylene Chloride | ב | | = | - |) = | > = | , <u> </u> | > = | > = | > = | 2 5 | - L |
| trans-1,2-dichloroethene | 3 3 | - | | = | > = |) <u>-</u> | - = | > = | > = | > = | 2 5 |) u |
| Methyl tert-Butyl Ether | | . = | · = | | = | > = | > = | -
> = | | > : | 2 9 | 100 |
| 1.1-Dichloroethane | > = | , - | - - | | > = | 63 |) = | > : | | > : | 2 9 | 7007 |
| cis-1.2-Dichloroethene | 38 | | > = | > <u>-</u> | > = | 0 | o : | > : | 7 , | o : | 2 : | - 20 |
| 2-Butanone | | | > = | o : | o : | 2 | ɔ : |)
) | 72 | ⊃ | 9 | 5.81 |
| Chloroform | > = | > = | 5 5 | - | > : | > : | o : | D : | - | <u> </u> | 6 | 50GV |
| 4 4 4 Triphomothono |) :
 | -
: c | ɔ : |) :
- | o : | 0 |
-> | D | | ⊃ | 0 | 7 ST |
| 1,1,1-Inchloroemane | 3 ; | > : | Π |
⊃ | > | و ۲ | ⊃ | ⊃ | 1,1 | ⊃ | 10 | 5 ST |
| Cyclonexane | > : | → | ⊃ | ⊋ | > | ם | > | → |) | ח | 10 | [|
| Carbon letrachioride | n | n | Э. | D | > | D. | > | ם | _ | n | 0 | 5 ST |
| Benzene | 5 J | 7 J | £ 3 | כ | > | f 9 | · | n | n | ם | 10 | 1.ST |
| 1,2-Dichloroethane | D | n | n | ¬ |) | | = | = | = | = | Ę | TO S C |
| Trichloroethene | _ | | n | _ | - | 4 | , = |) = | 7 | = | , ć | FS.7 |
| Methylcyclohexane | ם | _ | ה | ם | = | : = | , = | · = | · = | > = | ç | 3 |
| 1,2-Dichloropropane | ם | ם | n | . = | · = | · = | | > = | | > = | 2 5 | Lo. |
| Bromodichloromethane | n | | = | - |) = | > = | > = |) = | > = |) <u>=</u> | 2 5 | 5003 |
| cis-1,3-Dichloropropene | | · = | > = | = | > = | > = | > = | > = | > = | -
- | 2 6 | 2000 |
| 4-Methyl-2-Pentanone | = |
> = | > = | > = | > = | > = | > = | > : | 5 : | > : | ⊇ : | U.4 S. |
| Toluene | > = |) = | > = | > = |
- = | - · | > = | > = |
: | - | 2 9 | 1 6 |
| Trans-1.3-Dichloropropene |) = |) = | - - | > = | |) = |
- : | > = | | > : | ⊇ ç | 200 |
| 1.1.2-Trichloroethane | | > = | > = | > = | > = | o = | -
- | - | o : | > : | ⊒ ! | |
| Tetrachloroethene | · = | - | > = | > = | > = | | > = |) = |
> : |) : | 2 (| - S - C |
| 2-Hexanone | 5 | | |) = | = | = | > = | | > = |
- | 2 5 | 200 |
| Dibromochloromethane | | |) D | > = | = | > = |) E | > = |
- | o = | 2 5 | 2000 |
| 1,2-Dibromoethane | | | | · = | > = | > = | > = | > = | > = | | <u> </u> | 2500 |
| Chlorobenzene | 15 | 16 | L 6 | · = |) = | 3,5 |) = | |
 | , | 5 É | , E |
| Ethylbenzene | ก | n | n | _ | | | = | > = | · = | - - | 2 5 | - L |
| Total Xylenes | ⊃ | | ם | | · ⊃ | · = | > = | · = | -
= |) = | | y C |
| Styrene | ⊃ | _ | ח | | | - = |) = | > = | > = | - = | 2 6 |) V |
| Bromoform | כ | ם | n | | | |) == | > = | > = |) <u>=</u> | 2 0 | 7007 |
| Isopropylbenzene | _ | _ | ח | -
- |)) | |) = |) <u>=</u> | - |) = | ç | S 4 |
| 1,1,2,2-Tetrachloroethane | ר | כ | ⊃ | · > | | |) = | | - = | > = | 5 6 | , L |
| 1,3-Dichlorobenzene | ם | | n | ב | _ | · D | | . = |) = | | ÷ 5 | 200 |
| 1,4-Dichlorobenzene | T 65 |
• | 2 J | ס | · > | F g | · > | |) = |) = | £ | ⊥se |
| 1,2-Dichlorobenzene | _ | - | _ | 7 | -= | | - | , = | | | É | 361 |
| 1,2-Dibromo-3-chloropropane | כ | ¬ |)) | · ɔ | · > | . ⊐ |) = |
> = | » = | > = | 5 5 | 0.04 ST |
| 1,2,4-Trichlorobenzene | | > | ם | <u>.</u> | ח | - - | , , | . 5 | -
- | . > | 5 6 | 5.8⊤ |
| Total VOCs | 154 | 104 | 20 | 0 | 0 | 155 | 2 | 0 | 55 | 2 | | |
| Total VOC TICs | 7.1 | 94 | 121 | 0 | 0 | 88 | 0 | 0 | 13 | 7 | | Lastera |
| OLIVERBS | | | | | 1 | | | | | • | | |
| | | | | | | | | | | | | |

QUALIFIERS:
U: Compound analyzed for but not detected
U: Compound analyzed for but not detected
U: Compound found at a concentration below the CRDL, value estimated
D: Result is taken from reanalysis at a secondary dilution

NOTES:

* Value partains to the sum of the isomers
GV: Guidance Value
ST: Standard
----: Not established
Indicates value exceeds standard or guidance value.

GROUNDWATER SAMPLE RESULTS - JANUARY 2005 INORGANIC PARAMETERS - FILTERED TRIMMER ROAD LANDFILL SITE PRE-DESIGN INVESTIGATION TABLE 10b.

| | | | | | | | | | | | | NYSDEC Class GA |
|-----------------------|----------|-------------|-------------|----------|----------|----------|----------|----------|----------|----------|------------|-----------------|
| Sample Identification | | MW-5S | MW-6S | MW-7S | MW-8S | S6-MM | MW-11 | MW-12 | MW-13 | MW-14 | Instrument | Groundwater |
| Date of Collection | 02/05/05 | 01/20/05 | 01/20/05 | 02/02/05 | 01/20/05 | 01/20/05 | 01/20/05 | 01/20/05 | 01/20/05 | 01/20/05 | Defection | Standard or |
| Dilution Factor | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | Limit | Guidance Value |
| Units | (ng/l) | (l/gn) | (J/gn) | (l/gu) | (l/gn) | (l/bn) | (l/bn) | (l/an) | (/an) | (na/l) | (/on) | ((/aa/) |
| Aluminum | 18.9 B | 14.1 B | Ω | Π | n | 25.2 B |)
) | 69.2 B | n n |), S | 9 | (1.61) |
| Antimony | 4.3 B | 6.8 B | 7.4 B | 2.6 B | 7.7 B | 6.5 B | 3.9 B | 5.5 B | 7.2 B | 5.4 B | n | 3.ST |
| Arsenic | 20.0 | 13.5 | 41.0 | ⇒
— | n | 13.2 | 4.2 B | 3.3 B | | 8.1 B | m | 25 ST |
| Barium | 1,450 | 1,400 | 1,380 | 99.1 B | 62.0 B | 1,550 | 72.7 B | 566 | 202 | 531 | 0.3 | 1,000 ST |
| Beryllium | D | Ω | n | ⊃ | ח | D | ⊃
 | <u></u> | <u></u> | ¬ | 0.3 | 360 |
| Cadmium | ⊃ | <u> </u> | > | ⊃ | 0.92 B | 0.76 B | 0.44 B | 1.6 B | 0.76 B | 0.68 B | 0.2 | 5 ST |
| Calcium | 296,000 | 352,000 | 354,000 | 137,000 | 694,000 | 288,000 | 208,000 | 234,000 | 310,000 | 280,000 | 74 | I |
| Chromium | 3.6 B | n n | ם | 0.45 B | D | 1.5 B | 5 | כ | _ | ח | 0.4 | 50 ST |
| Cobalt | 12.3 B | 9.8
B | 2.2 B | ם | 1.4 B | 21.2 B | 4.0 B | 3.0 B | 3,9 B | 4.2 B | 0.3 | |
| Copper | n | n | n | <u></u> | ⊃ | 2.4 B | _ | 25.8 | 7.6 B | ס | 0.9 | 200 ST |
| lron | 2,160 | 3,700 | 5,850 | 22.5 B | 233 | 762 | 2,030 | 62.3 B | 32.9 B | 1,310 | ю | 300,ST ^ |
| Lead | n | D | Ð | o
_ | ב | ב | О | כ | 5 | D | 2 | 25 ST |
| Magnesium | 87,700 | 95,500 | 86,900 | 20,700 | 253,000 | 90,100 | 50,000 | 56,400 | 72,100 | 57,100 | ဖ | 35,000 GV |
| Manganese | 3,330 | 2,810 | 2,140 | 17.8 | 169 | 2,050 | 669 | 383 | 279 | 1,790 | 0.5 | 300 ST A |
| Mercury | <u> </u> | <u></u> | n | <u> </u> | ה | D | D. | ח | ב | Ω | 0.1 | 0.7 ST |
| Nickei | 52.5 | 62.4 | 29.1 B | 1.1 B | 6,7 B | 83.3 | 10.4 B | 8.0 B | 26.7 B | 17.9 B | 0.5 | 100 ST |
| Potassium | 38,700 | 29,300 | 11,400 | 8 086 | 14,200 | 83,400 | 12,400 | 21,200 | 34,000 | 16,700 | 58 | 1 |
| Selenium | D | > | ⊃ | 5 | ⊋ | ס |) | → | ⊃ | ם | 4 | 10 ST |
| Silver | n | Ŋ | n | Ω
 | ⊃ | n | 5 | ⊃ | ⊃ | n | 2 | 50 ST |
| Sodium | 454,000 | 375,000 | 294,000 | 16,500 | 576,000 | 598,000 | 160,000 | 86,100 | 246,000 | 149,000 | 45 | 20,000 ST |
| Inallium | 3.0 B | 4.8 B | 5,0 B | <u></u> | n | 3.0 B | | 3.2 B | D | n | က | 0.5 GV |
| Vanadium | 2.9 B | 1.1 B | 0.90 B | <u> </u> | 0.44 B | 3,2 B | ח | 0.51 B | 0.52 B | ם | 0.7 | 1 |
| Zinc | 7.6 B | 4.4 B | 14.0 B | 4.0 B | ם | 2.1 B | 3.1 B | 5.0 B | 7.9 B | 4.1 B | 7 | 2,000 GV |
| Cyanide | n | 2.2 B | 2,3 B | ສ | ם
ס | 5.3 B | <u> </u> | ⊃ | 8.2 B | 8,4 B | ю | 200 ST |
| | | | | | | | | | | | | |

- QUALIFIERS:
 U: Compound analyzed for but not detected
 B: Compound concentration is less than the CRDL
 but greater than the IDL.

NOTES:
^: The combined standard for iron and manganese is 500 ug/l
GV: Guidance Value
ST: Standard: Not established

Indicates value exceeds NYSDEC Class GA groundwater standard or guidance vafue