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June 11, 2014

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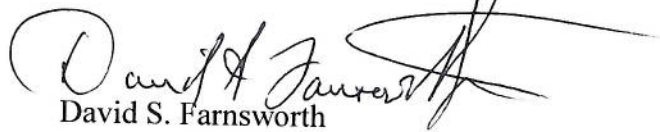
FROM: AFCEC/CIBE – Plattsburgh
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SUBJECT: Final 2013 Annual LTM Report for Landfill Areas of Concern
Former Griffiss Air Force Base (AFB) Rome, New York
Contract Number FA8903-10-D-8595
Delivery Order 0014

Accompanying this letter please find the "Final 2013 Annual LTM Report for Landfill Areas of Concern" in relation to work conducted at the Former Griffiss AFB Rome, New York under the referenced Performance Based Remediation (PBR) contract. This Report has been prepared by the Air Force Civil Engineer Center (AFCEC) to present the results of LTM completed in 2013 for the Landfill AOCs at the Former Griffiss AFB. The draft report was submitted on April 2, 2014.

We would appreciate review comments by July 14, 2014 so that project schedules and performance milestones can be maintained in accordance with this PBR Contract.

Should you have any questions or concerns please contact me at 518-563-2871.


David S. Farnsworth
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FINAL

2013

ANNUAL LONG TERM MONITORING REPORT

LANDFILL AREAS OF CONCERN

FORMER GRIFFISS AIR FORCE BASE SITE
ROME, NEW YORK

Prepared for:



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(Appendices will be provided on CD only)

Appendix A	Post-Closure Monitoring Reports
Appendix B	Daily Chemical Quality Control Reports
Appendix C	Validated Laboratory Data
Appendix D	Raw Laboratory Data
Appendix E	MAROS Reports

LIST OF ACRONYMS AND ABBREVIATIONS

AFB	Air Force Base
AFCEC	Air Force Civil Engineer Center
AOC	Area of Concern
AOI	Area of Interest
CAPE	CAPE Environmental
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
COC	contaminant of concern
Conti	Conti Environmental, Inc.
CQCR	Chemical Quality Control Reports
CY	cubic yard
DCE	dichloroethene
EA	EA Engineering
FPM	FPM Remediations, Inc.
ft	feet
Law	Law Engineering and Environmental Services, Inc.
LEL	Lower Explosive Limit
LTM	long term monitoring
LUC/IC	Land use Control/Institutional Control
MAROS	Monitoring and Remediation Optimization Systems
mg/L	milligrams per liter
MSL	mean sea level
µg/L	micrograms per liter
NYCRR	New York Codes of Rules and Regulations
NYS	New York State
NYSDEC	New York State Department of Environmental Conservation
PCB	polychlorinated biphenyl
PCU	platinum cobalt units
POC	point of compliance
PPM	parts per million
RA	Remedial Action
RI	Remedial Investigation
ROD	Record of Decision
SCG	Standard, Criteria, or Guidance value

LIST OF ACRONYMS AND ABBREVIATIONS (continued)

TCE	trichloroethylene/trichloroethene
TDS	Total Dissolved Solids
TKN	Total Kjeldahl Nitrogen
TMC	Three Mile Creek
TOC	Total Organic Carbon
USEPA	United States Environmental Protection Agency
VC	Vinyl Chloride
VOC	Volatile Organic Compound
WP	Work Plan

1 INTRODUCTION

FPM Remediations Inc. (FPM), in association with CAPE Environmental (CAPE), has been contracted by the Air Force Civil Engineer Center (AFCEC), to perform Long Term Monitoring (LTM) at Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) sites at the former Griffiss Air Force Base (AFB), New York. The work discussed in this Annual Report will be conducted through contract number FA8903-10-D-8595-0014.

The following sections describe the 2013 site activities for the former Griffiss AFB Landfill Areas of Concern (AOCs). The site activities include landfill cap inspections and maintenance, landfill gas monitoring, and groundwater and surface water sampling.

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2 LF001 LANDFILL 1 AOC

2.1 SITE BACKGROUND

Landfill 1, approximately 22 acres in size, is located in the northeastern portion of the former Griffiss AFB on the east side of Six Mile Creek, northeast of the flight line and within the Six Mile Creek Drainage Basin. The landfill is bounded by the installation boundary to the north, regulated wetlands to the east, Six Mile Creek and regulated wetlands to the west and woodlands to the south (FPM, October 2002). Figure 2-1 illustrates the landfill boundary and the locations of monitoring wells.

The wastes deposited at Landfill 1 consisted of general refuse, hardfill, and boiler ash that was buried using trench and cover methods. An estimated 90,000-100,000 cubic yards (CY) of wastes were disposed of at the site from 1960-1973.

The groundwater flow rate at Landfill 1 is estimated to be 2,000 feet (ft) per year (LAW, December 1996). Groundwater flows to the southwest in the area of Landfill 1.

The Record of Decision (ROD) for LF001 Landfill 1 AOC was signed by the United States Environmental Protection Agency (USEPA) on June 5, 2000. In accordance with the ROD, the landfill was re-graded and capped in 2003. The cap components include a gas venting layer, a 40-mil linear low density polyethylene geomembrane liner, a geocomposite drainage net, a 12 inch thick barrier protection layer and a 6 inch thick layer of topsoil with grass seed on top. In addition to the cap, a passive gas vent trench was installed between the northwestern landfill perimeter and the northern property boundary to prevent the migration of methane into neighboring properties in 2005 (Figure 2-2). LTM was initiated at LF001 in December 2003, and 5-Year Reviews were conducted in 2005 and 2010. Both 5-Year Reviews indicated that the selected remedy is protective of human health and the environment.

For readability, the hydrology setting, previous investigations, and LTM sampling plan sections have been removed from this report. These sections are provided in the 2009 Landfill AOCs LTM Report (FPM, November 2010). The following summarizes the previous LF001 LTM Network activities and Results.

2.1.1 Previous LTM Activities and Results

LTM was implemented at 11 monitoring wells (MWSAR03, LF1P-2, -3, -5, LF1MW-1R, -5, -6, -10, -11, -12 and -13) and 3 surface water locations (LF1SW-1, -2SMC, and -3) in December 2003. LF1MW-103 was added to the LTM network during the March 2004 sampling round and LF1MW-14 was added to the LTM network during the December 2004 sampling round. These sampling locations are illustrated in Figure 2-2. The LTM network has been sampled quarterly (routine parameters) and annually (baseline parameters) in accordance with New York State Department of Environmental Conservation (NYSDEC) Part 360 requirements. All recommendations to alter the sampling network were provided in previous Landfill AOCs LTM Reports and reviewed by the USEPA and NYSDEC.

Boron, cyanide, mercury, polychlorinated biphenyls (PCBs), pesticides, and phenols were analyzed until 2006 and were then removed from the LTM sampling network due to their low or non-detect concentrations at the site. Volatile Organic Compounds (VOCs) currently detected above the New York State (NYS) Groundwater/Surface water standards include 1,2-dichlorobenzene, 1,3-dichlorobenzene, benzene, and chlorobenzene. These exceedances only occur at monitoring wells LF1MW-11 and LF1MW-5 (benzene only) and concentrations have been stable and/or decreasing. Landfill leachate indicators previously detected above the NYS Groundwater/surface water standards include ammonia, color, total dissolved solids (TDS), and total Kjeldahl nitrogen (TKN). The landfill leachate indicator detections showed stable trends. Metals analysis for this site showed levels above NYS Groundwater/surface water standards. Metals that exceed standards include manganese, iron, sodium, aluminum, chromium, and nickel. Several of the metals (e.g., manganese, iron, sodium) are indicative of base background conditions.

Landfill gas monitoring is performed at Landfill 1 to identify the presence and concentration of methane at or near the landfill. A total of 18 gas monitoring probes and 31 landfill gas vents were monitored on a quarterly basis from October 2005 until May 2010. Landfill gas monitoring was optimized after the spring 2010 sampling round to semiannual. Results from the gas sampling events at Landfill 1 continue to show elevated methane concentrations throughout the landfill. However, methane concentrations at point of compliance (POC) gas monitoring probes (LF1GMP-13 through -17) remained at non-detectable concentrations through the fall 2013 sampling round. The absence of methane at the POC gas monitoring probes demonstrates continued protection of potential receptors. In addition, the passive gas trench installed near the northwestern perimeter of Landfill 1 to prevent methane migration into neighboring properties appears to remain an effective barrier.

Since April 2005, landfill inspections and cover maintenance have been performed at Landfill 1. Inspections and maintenance were optimized after the spring 2010 sampling round and are now conducted on a semiannual basis with annual landfill cover mowing (fall). Land use Control/Institutional Controls (LUC/ICs) were implemented in accordance with the ROD and are verified annually as part of the landfill cover inspection program. The fall inspections are performed in conjunction with the Base-wide LUC/IC Site Inspections.

Previous LTM results are provided in detail in the Spring 2009 Landfill AOCs LTM Report (FPM, November 2010), Spring 2010 Landfill AOCs LTM Report (FPM, February 2012), 2011 Landfill AOCs LTM Report (FPM/CAPE, July 2012), and 2012 Landfill AOCs LTM Report (FPM/CAPE, March 2013).

2.2 LANDFILL 1 AOC – 2013 SITE ACTIVITIES

This section describes the Landfill 1 AOC site activities and monitoring data for 2013. The field activities include semiannual landfill cap inspections, semiannual landfill gas monitoring, annual groundwater and surface water sampling, and annual landfill cap mowing.

2.2.1 Landfill Cap Inspections/Maintenance

The spring 2013 inspection did not identify any major deficiencies that would jeopardize the integrity of the cover.

The fall 2013 inspection was conducted following landfill mowing. The annual landfill mowing event was conducted in September 2013. The inspection did not identify any major deficiencies that would jeopardize the integrity of the cover.

The semiannual inspection reports (Post-Closure Monitoring Reports) for spring 2013 and fall 2013 can be found in Appendix A.

2.2.2 Landfill Gas Monitoring

Landfill gas monitoring was conducted at 18 gas monitoring probes (LF1GMP-1, -2, -3, -4, -6, -8, -9, -10, -11, -12, -13, -14, -15, -16, -17, -18, -19, and -20) and 31 gas vents (LF1VENT-1 through -31) in spring 2013 and fall 2013. Readings were collected for methane concentrations, Lower Explosive Limit (LEL), oxygen levels and carbon dioxide levels. These locations are also illustrated in Figure 2-2. The spring 2013 and fall 2013 monitoring results are discussed below and can be found in Table 2-1.

Spring 2013 landfill gas readings were taken in April 2013. LEL values equaled or exceeded 100% at one gas monitoring probe (LF1GMP-6). LEL values did not equal or exceed 100% at any of the gas vents. The highest methane concentration reported at a gas monitoring probe was at LF1GMP-06 (25.0 parts per million [ppm]). The highest methane concentration reported at a gas vent was at LF1VENT-8 (0.2 ppm).

Fall 2013 landfill gas readings were taken in October 2013. LEL values equaled or exceeded 100% at five gas monitoring probes (LF1GMP-1, -3, -4, -6, -9, and -10). LEL values equaled or exceeded 100% at thirteen gas vents (LF1GV-2, -4, -5, -6, -8, -10, -11, -12, -13, -19, -20, -21, and -22). The highest methane concentration reported at a gas monitoring probe was at LF1GMP-09 (44.2 ppm). The highest methane concentration reported at a gas vent was at LF1VENT-19 (10.5 ppm).

The 2013 landfill gas monitoring results also showed that the passive gas trench remains effective as no methane detections were reported at gas monitoring probes located north of the passive gas trench (Figure 2-2).

2.2.3 Groundwater and Surface water Monitoring

Groundwater and surface water monitoring was conducted at 12 monitoring wells (LF1P-2, -3, -5, LF1MW-1R, -5, -10, -11, -12, -13, -14, -103, and MWSAR03) and three surface water locations (LF1SW-1, -2, and -3) for leachate indicators. In accordance with the CERCLA Sites Optimization Plans (FPM/CAPE, November 2011), VOCs analysis was also conducted for monitoring wells LF1MW-5, -6, -11, -12, LF1P-2, and MWSAR03 and surface water locations LF1SW-1, -2, and -3.

All groundwater and surface water analytical data is presented in Table 2-2. Daily Chemical Quality Control Reports (CQCRs) completed during the June 2013 sampling round are provided in Appendix B. The complete list of analytes and the validated laboratory data are attached in Appendix C and the raw laboratory data are available in Appendix D.

2.2.3.1 Groundwater Monitoring Results

VOCs:

Benzene exceedances were reported at LF1MW-5 (1.4 micrograms per liter [µg/L]) and LF1MW-11 (1.5 µg/L). 1,2-dichlorobenzene, 1,4-dichlorobenzene, and chlorobenzene exceedances were also reported at LF1MW-11. All exceedances were within one order of magnitude of the NYS Class GA Groundwater Standards and are similar to previous LTM results. The VOC detections at the site are illustrated in Figure 2-2.

Landfill Leachate Indicators:

Leachate indicator exceedances were reported at monitoring wells LF1MW-5, -11, -103, and LF1P-2. These exceedances are summarized below:

- TKN exceeded the NYS Groundwater Standard at monitoring well LF1MW-5 (1.6 milligrams per liter [mg/L]), -11 (2.3 mg/L), -103 (8.6 mg/L), and -LF1P-2 (1.4 mg/L). The NYS Class GA Groundwater Standard of TKN is 1 mg/L.
- TDS exceeded the NYS Groundwater Standard at monitoring well LF1MW-11 (510 mg/L). The NYS Class GA Groundwater Standard for TDS is 500 mg/L.
- Ammonia exceeded the NYS Groundwater Standard at Monitoring wells LF1MW-5 (2.1 mg/L), -11 (3.1 mg/L), and -103 (31 mg/L). The NYS Class GA Groundwater Standard for ammonia is 2 mg/L.

The TKN, TDS, and ammonia concentrations are within an order of magnitude of previous LTM results for all wells that showed exceedances.

Synoptic Results

The following summarizes the groundwater elevations (mean sea level [MSL]) for each monitoring well sampled at Landfill 1 in the June 2013 sampling round: MWSAR03 (516.01 ft), LF1P-2 (500.02 ft), LF1P-3 (504.17 ft), LF1P-5 (492.39 ft), LF1MW-1R (537.73 ft), LF1MW-5 (494.22 ft), LF1MW-6 (496.2 ft), LF1MW-10 (505.12 ft), LF1MW-11 (499.52 ft), LFMW-12 (501.17 ft), LF1MW-13 (488.48 ft), LF1MW-14 (495.87 ft) and LF1MW-103 (488.09 ft). The groundwater elevations continue to indicate a southwestern groundwater flow gradient (Figure 2-3).

2.2.3.2 Surface Water Monitoring Results

There were no exceedances found in the surface water samples.

2.2.3.3 MAROS Analysis

The purpose of the Monitoring and Remediation Optimization System (MAROS) methodology is to recommend an improved groundwater monitoring network by applying statistical

techniques to existing historical and current site analytical data. The description of MAROS methodology at Landfill 1 has been removed for readability. This information is provided in the 2009 Landfill AOC LTM Report (FPM, November 2010).

The following summarizes the results of the Mann-Kendall test. Linear Regression was used to confirm any trend reported by the Mann-Kendall test. The statistical summary sheets for both tests can be located in Appendix E. The summarized results for the target contaminants of concern (COC) and indicator parameters listed below are presented in Table 2-3.

1,4-Dichlorobenzene

- Source Wells
 - Mann-Kendall results for LF1MW-5 and -11 showed a decreasing trend, while LF1P-2 showed an increasing trend.
 - Linear Regression analyses showed concentrations were decreasing at LF1MW-5 and -11, and increasing at LF1P-2.
- Tail Wells
 - Mann-Kendall analyses showed no trend at LF1MW-12 and -103. 1,4-Dichlorobenzene is stable at MWSAR03.
 - Linear Regression analysis showed concentrations were stable at MWSAR03. Linear Regression analysis showed no trend at LF1MW-12 and -103.

Chlorobenzene

- Source Wells
 - Mann-Kendall analysis at LF1MW-5, -11, and LF1P-2 showed a decreasing trend.
 - Linear Regression analyses at these monitoring wells also showed concentrations were decreasing.
- Tail Wells
 - LF1MW-12 and -103 were non-detect.
 - Mann-Kendall analysis showed concentrations at MWSAR03 were probably increasing, while Linear Regression analysis showed concentrations were increasing at MWSAR03.

Alkalinity [Carbonate (as CO₃)]

- Source Wells
 - Mann-Kendall analyses showed concentrations at LF1P-2 had a decreasing trend and were probably decreasing at LF1MW-5, while LF1MW-11 was stable.
 - Linear Regression analyses showed concentrations at LF1MW-5 and LF1MW-11 have an increasing trend, while LF1P-2 had a decreasing trend.
- Tail Wells
 - Mann-Kendall Analysis:
 - Decreasing: LF1MW-13
 - Probably Decreasing: None
 - Stable: LF1MW-1R, LF1P-5 and MWSAR03

- Probably Increasing: None
- Increasing: LF1MW-6, -10, -12
- No Trend: LF1MW-103, LF1MW-14 and LF1P-3

Linear Regression Analysis:

- Decreasing: LF1MW-13
- Probably Decreasing: MWSAR03
- Stable: LF1MW-1R, LF1P-3, and -5
- Probably Increasing: None
- Increasing: LF1MW-6, -10, -12
- No Trend: LF1MW-103 and -14

Hardness [bicarbonate]

- Source Wells
 - Mann-Kendall analyses at LF1P-2 showed a decreasing trend and LF1MW-5 was probably decreasing, while LF1MW-11 showed a stable trend.
 - Linear Regression analyses showed concentrations were stable at LF1P-2 and LF1MW-5, and no trend at LF1MW-11.

- Tail Wells

Mann-Kendall Analysis:

- Decreasing: LF1MW-13, LF1P-3 and MWSAR03
- Probably Decreasing: LF1MW-103 and LF1P-5
- Stable: LF1MW-14 and LF1MW-1R
- Probably Increasing: None
- Increasing: LF6MW-10
- No Trend: LF1MW-6 and -12

Linear Regression Analysis:

- Decreasing: LF1MW-12, -13, -103 and MWSAR03
- Probably Decreasing: LF1P-3
- Stable: LF1MW-1R and LF1P-5
- Probably Increasing: None
- Increasing: None
- No Trend: LF1MW-6, -10 and -14

Nitrate [nitrogen]

- Source Wells
 - Mann-Kendall analyses at LF1MW-5 and LF1P-2 showed an increasing trend. LF1MW-11 was stable.
 - Linear Regression analyses at LF1P-2 showed an increasing trend. LF1MW-11 was stable. LF1MW-5 showed no trend.

- Tail Wells
Mann-Kendall Analysis:
 - Decreasing: LF1MW-103
 - Probably Decreasing: None
 - Stable: None
 - Probably Increasing: LF1P-3
 - Increasing: LF1P-5 and LF1MW-10
 - No Trend: LF1MW-6, -12, -13 -14, -1R and MWSAR03

- Linear Regression Analysis:
- Decreasing: None
 - Probably Decreasing: LF1MW-103 and MWSAR03
 - Stable: None
 - Probably Increasing: None
 - Increasing: LF1MW-10, LF1P-3, -5
 - No Trend: LF1MW-5, -6, -12, -13. -14 and -1R

Total Organic Carbon

- Source Wells
 - Mann-Kendall and Linear Regression analyses at LF1MW-5, -11, and LF1P-2 showed a decreasing trend.
- Tail Wells
Mann-Kendall Analysis:
 - Decreasing: None
 - Probably Decreasing: LF1P-5
 - Stable: LF1MW-6, -10, -12, -103, LF1P-3, and MWSAR03
 - Probably Increasing: None
 - Increasing: None
 - No Trend: LF1MW-13, -14 and -1R

- Linear Regression Analysis:
- Decreasing: LF1P-5 and LF1MW-6
 - Probably Decreasing: LF1MW-10
 - Stable: LF1MW-103, -12, LF1P-3 and MWSAR03
 - Probably Increasing: None
 - Increasing: None
 - No Trend: LF1MW-13, -14, -1R

Optimization Recommendations-

The recommended MAROS sampling frequency is annual and biennial. The recommended sampling frequency per sampling location is provided in the MAROS Sampling Frequency Optimization Results worksheets provided in Appendix E.

2.2.4 Conclusions

Landfill Cap Inspections and Maintenance

The semiannual inspections have not identified any major deficiencies that would jeopardize the integrity of the cover and there is optimal vegetation cover on the cap. Inspections are also conducted following significant weather events (5-Year Storm events). No significant weather events occurred during 2013.

Landfill Gas Monitoring

Elevated methane concentrations continue to be recorded throughout the Landfill 1 AOC. However, methane concentrations at POC gas monitoring probes (LF1GMP-13 through -17) remained non-detectable through the October 2013 sampling round. The absence of methane at the POC gas monitoring probes demonstrates continued protection of potential receptors. In addition, the passive gas trench installed near the northwestern perimeter of Landfill 1 to prevent methane migration into neighboring properties appears to remain effective. The effectiveness of the system is made apparent by the gradient established between LF1GMP-4 and LF1GMP-19. LF1GMP-4 was installed between the landfill boundary and the passive gas trench (Figure 2-2); methane readings at this location have frequently exceeded the LEL. In contrast, LF1GMP-19 was installed just outside of both the landfill boundary and the passive gas trench and within 25 feet of LF1GMP-4 (Figure 2-2); methane readings at this location are consistently lower than those reported at LF1GMP-4 and in some sampling rounds orders of magnitude less.

Groundwater and Surface Water

VOC exceedances at Landfill 1 are limited to two monitoring wells, LF1MW-5 and -11. LF1MW-5 and -11 have shown sustained exceedances. Figure 2-4 has been provided to illustrate the stable and/or decreasing total VOC concentrations at monitoring wells LF1MW -5 and -11 over time. All of the detections are within one order of magnitude of the NYS Groundwater Standard.

Landfill leachate indicators were above NYS Groundwater and Surface water Standards at LF1MW-5, -11, -103, and LF1P-2. The exceedances included TKN, TDS, and ammonia.

The concentrations of TKN, TDS, and ammonia at the overburden wells are comparable to previous results and below the typical range of municipal landfill leachate (Lee and Jones, 1991). This reference was used during the Baseline Study of the former Griffiss AFB Landfill AOCs and is provided in Table 2-4. LF1MW-103, the bedrock well, showed higher concentrations of indicator parameters ammonia and TKN compared to the overburden wells. The ammonia and TKN concentrations detected at LF1MW-103 were still within the typical range of municipal landfill leachate. The higher concentrations at the bedrock well may be attributed to vertical migration; however, concentrations of other indicator parameters are generally low for the bedrock well, which discounts the possibility of leachate impacts. The higher concentrations at the bedrock well may also be attributed to differences in the geochemical environment of the water-table associated with the overburden well and the bedrock well; the difference in

mineralogy between the bedrock (shale) and the overburden may account for the observed chemical differences.

The alkalinity and hardness concentrations at downgradient monitoring wells ranged from 25 mg/L to 470 mg/L, and 4.1 mg/L to 450 mg/L, respectively. Hardness was non-detect at LF1MW-103, the LF001 LTM Network bedrock well. Alkalinity and hardness concentrations at the LF001 LTM Network monitoring wells show no trends and are stable, respectively, as shown in Figure 2-5 and Figure 2-6. Alkalinity and hardness are important indicators of the plume extent because the landfill material tends to propagate microbial activity which generates carbon dioxide. This process increases the dissolution of minerals and alkalinity which increases hardness (Baedecker and Back, 1979). The stability of these parameters suggests that the landfill plume is fairly static.

For the June 2013 sampling round, alkalinity and hardness levels throughout the LTM network exceeded the level measured in the background well, LF1MW-1R (alkalinity was 25 mg/L and hardness was 4.1 mg/L). The highest levels of alkalinity and hardness coincide with monitoring wells in which VOC detections are also present. These monitoring wells consist of LF1MW-5, -11, and LF1P-2. Alkalinity levels appear to decrease as they approach the POC monitoring wells (LF1P-5 and -13). The concentrations of leachate indicators alkalinity and hardness are plotted in Figure 2-7.

MAROS Analysis

Utilizing the results of the LTM sampling rounds, MAROS analysis was performed for the Landfill 1 AOC LTM network. Results of the evaluation confirmed a decreasing trend at source monitoring wells for the selected target COCs and indicator parameters (1,4-dichlorobenzene, chlorobenzene, alkalinity, hardness, and TOC) (Appendix E). Results of the evaluation showed an overall increasing trend at source monitoring wells for nitrate.

Based on the results of over 50% of the tail monitoring wells, the evaluation confirmed a decreasing trend for 1,4-dichlorobenzene concentrations, a stable to no trend for alkalinity concentrations, a decreasing trend for hardness concentrations, no trend for nitrate concentrations, and a stable trend for TOC concentrations (Appendix E).

2.3 LTM OPTIMIZATION RECOMMENDATIONS

Based on the latest LTM results, the current scope of semiannual landfill gas sampling, landfill cap inspections, annual groundwater sampling, and surface water sampling will continue. Please refer to Table 2-5 for the summary of the Landfill 1 AOC LTM Network. All previous LTM Network optimization is provided in Table 2-6.

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3 LF002 LANDFILL 2/3 AOC

3.1 SITE BACKGROUND

Landfill 2/3, approximately 13 acres in size, is located on a topographic high, east of Perimeter Road near the east-central boundary of the former Griffiss AFB. The landfills are bounded by the AFB boundary on the north, east and south sides, while areas to the west, southwest and northeast have been identified as wetlands. Figure 3-1 illustrates the landfill boundary and the location of existing monitoring wells.

The wastes at Landfill 2/3 consisted of hardfill in the southern portion of Landfill 2, on-board aircraft wastes in the northern portion of Landfill 2 and approximately 1 ton of wetted and double-bagged asbestos wastes in Landfill 3, located in the eastern portion of Landfill 2. The groundwater flow rate at Landfill 2/3 is estimated at 222 feet per year (LAW, December 1996). Groundwater flow is very gradual to the southwest in the area of Landfill 2/3.

The ROD for LF002 Landfill 2/3 AOC was signed by the USEPA on June 5, 2000. In accordance with the ROD, the landfill was re-graded and capped in summer 2003. The cap components include a gas venting layer with an 18 inch low permeability soil layer, covered by a 6 inch layer of topsoil with grass seed on top. LTM was initiated at LF002 in December 2003, and 5-Year Reviews were conducted in 2005 and 2010. Both 5-Year Reviews indicated that the selected remedy is protective of human health and the environment.

For readability, the hydrology setting, previous investigations, and LTM sampling plan sections have been removed from this report. These sections are provided in the 2009 Landfill AOCs LTM Report (FPM, November 2010).

3.1.1 Previous LTM Activities and Results

LTM was implemented at six monitoring wells (LF2MW2-1, LF2MW-4, -12, -13, -14, and -100) and three surface water locations (LF2SW-1, -2, and -3) in December 2003. These sampling locations are illustrated in Figure 3-2. The LTM network was analyzed quarterly (routine parameters) and annually (baseline parameters) for NYSDEC Part 360 requirements. All recommendations to alter the sampling network were provided in previous Landfill AOCs LTM Reports and reviewed by the USEPA and NYSDEC.

VOCs, cyanide, mercury and phenols were analyzed until 2006 and then removed from the LTM sampling network due to their low or absent concentrations at the site. Landfill leachate indicators previously detected above the NYS Groundwater/Surface water standards included ammonia, chloride, bromide, color, TDS, TKN and nitrate. The landfill leachate indicator detections showed stable trends. TDS at LF002 has historically been detected near or below the NYS Groundwater Standard of 500 milligram/liter (mg/L) at all monitoring wells with the exception of LF2MW-100 (bedrock well). The TDS at LF2MW-100 has historically been detected above 2,000 mg/L. The TDS is higher at this well because the sampling method (bailing) produces a greater amount of suspended solids in the sample. All TDS exceedances are within one order of magnitude of the TDS standard.

Metals analysis for this site showed levels above NYS Groundwater Standards. Metals that exceed standards include barium, manganese, iron, sodium, aluminum, chromium, and nickel. Several of the metals (e.g., manganese, iron, and sodium) are indicative of base background conditions.

Landfill gas monitoring has been performed at Landfill 2/3 to identify the presence and concentration of methane at or near the landfill. A total of nine gas monitoring probes and 14 landfill gas vents were monitored on a quarterly basis from October 2005 until May 2010. Landfill gas sampling was optimized after the spring 2010 sampling round and is now sampled semiannually. Results from the gas sampling events at Landfill 2/3 continue to show site-wide stabilization of methane concentrations.

Since April 2005, landfill inspections and cover maintenance have been performed at Landfill 2/3. Inspections and maintenance were conducted on a quarterly basis and optimized after the spring 2010 sampling round to a semiannual basis. Landfill cover mowing is conducted on an annual basis (fall). LUC/ICs have been implemented by the ROD and are verified quarterly as part of the landfill cover inspection program. The fall inspections are performed in conjunction with the Base-wide LUC/IC Site Inspections.

The debris pile identified in the 2009 sampling event was removed in March 2012 in association with Area of Interest (AOI) 474. A removal action was conducted in 2013 to remove approximately 60 cubic yards of metals contaminated soil. Confirmatory soil sampling results showed all contaminant concentrations were below the Title 6 of the New York Codes, Rules, and Regulations Part 375 Residential use Soil Cleanup Objectives. The Site Closure Report is pending.

Previous LTM results are provided in detail in the Spring 2009 Landfill AOCs LTM Report (FPM, November 2010), Spring 2010 Landfill AOCs LTM Report (FPM, February 2012), 2011 Landfill AOCs LTM Report (FPM/CAPE, July 2012), and 2012 Landfill AOCs LTM Report (FPM/CAPE, March 2013).

3.2 LANDFILL 2/3 AOC – 2013 SITE ACTIVITIES

This section describes the Landfill 2/3 AOC site activities and monitoring data for 2013. The field activities include semiannual landfill cap inspections, semiannual landfill gas monitoring, annual landfill cap mowing, and biennial groundwater and surface water sampling.

3.2.1 Landfill Cap Inspections/Maintenance

The spring 2013 inspection did not identify any major deficiencies that would jeopardize the integrity of the cover.

The fall 2013 inspection was conducted following landfill mowing. The annual landfill mowing event was conducted in September 2013. The inspection did not identify any major deficiencies that would jeopardize the integrity of the cover.

The semiannual inspection reports (Post-Closure Monitoring Reports) for spring 2013 and fall 2013 can be found in Appendix A.

3.2.2 Landfill Gas Monitoring

Landfill gas monitoring was performed at Landfill 2/3 to identify the presence and concentration of methane at or near the landfill (NYSDEC, November 1999). Landfill gas monitoring was conducted at nine gas monitoring probes (LF2GMP-1 through -9) and fourteen gas vents (LF2VENT- 1 through -14) in May 2013 and October 2013, for methane concentrations, LEL, oxygen levels and carbon dioxide levels. The semiannual Landfill 2/3 gas results can be found in Table 3-1.

Spring 2013 landfill gas readings were taken in May 2013. LEL values did not equal or exceed 100% at any of the gas monitoring probes or gas vents.

Fall 2013 landfill gas readings were taken in October 2013. LEL values equaled or exceeded 100% at two gas monitoring probes (LF2GMP-2 and LF2GMP-5) and one gas vent (LF2VENT-6). The methane concentrations were 10.2 ppm at LF2GMP-2, 7.6 ppm at LF2GMP-5, and 15.2 ppm at LF2VENT-6. LEL values did not equal or exceed 100% at any of the gas vents.

3.2.3 Groundwater and Surface Water Monitoring

Groundwater and surface water monitoring was conducted in June 2013 at six monitoring wells (LF2MW2-1, LF2MW-4, -12, -13, -14, and -100) and one surface water location (LF2SW-1) for landfill leachate indicators. Samples were not collected at two surface water locations (LF2SW-2 and -3) due to a lack of water. Due to a poor recharge rate during the June 2013 sampling round, bedrock monitoring well LF2MW-100 was bailed dry and allowed to recharge overnight. Samples were collected within a 24-hour period from the initial bailing.

Groundwater and surface water analytical data is presented in Table 3-2. Daily CQCRs completed during the June 2013 sampling round are provided in Appendix B. The complete list of analytes and the validated laboratory data are attached in Appendix C and the raw laboratory data are available in Appendix D.

3.2.3.1 Groundwater Monitoring Results

Leachate indicator exceedances were reported at monitoring wells LF2MW2-1, LF2MW-12, -13, and -100 and surface water location LF2SW-1. These exceedances are summarized below:

- TDS exceeded the NYS Groundwater Standard at monitoring wells LF2MW-12 (650 mg/L) and LF2MW-100 (4,100 mg/L). The NYS Class GA Groundwater Standard of TDS is 500 mg/L.

- Ammonia exceeded the NYS Groundwater Standard at monitoring well LF2MW-100 (8.6 mg/L). The NYS Class GA Groundwater Standard of ammonia is 2 mg/L.
- Color exceeded the NYS Groundwater Standard at monitoring wells LF2MW2-1 (25 platinum cobalt units [PCU]) and LF2MW-13 (20 PCU). The NYS Class GA Groundwater Standard of color is 15 PCU.
- TKN exceeded the NYS Groundwater Standard at monitoring wells LF2MW-13 (1.1 mg/L) and LF2MW-100 (7.1 mg/L). The NYS Class GA Groundwater Standard of TDS is 1 mg/L.
- Bromide exceeded the NYS Groundwater Standard at monitoring well LF2MW-100 (34 mg/L). The NYS Class GA Groundwater Standard of bromide is 2 mg/L.
- Chloride exceeded the NYS Groundwater Standard at monitoring well LF2MW-100 (3,100 mg/L). The NYS Class GA Groundwater Standard of chloride is 250 mg/L.

All detected leachate indicator concentrations are within an order of magnitude compared to the previous LTM results. Additionally, the concentrations are within one order of magnitude of the NYS Class GA Groundwater Standards except for bromide and chloride at LF2MW-100 which is the LF002 bedrock well.

Synoptic Results

The following summarizes the groundwater elevations (MSL) for each monitoring well sampled at Landfill 2/3 in the June 2013 sampling round: LF2MW2-1 (521.98 ft), LF2MW-4 (524.99 ft), LF2MW-12 (519.15 ft), LF2MW-13 (519.83 ft), LF2MW-14 (530.87 ft) and LF2MW-100 (519.4 ft). The groundwater elevations indicate a southwesterly flow of groundwater towards the Six Mile Creek culvert (Figure 3-3).

3.2.3.2 Surface Water Monitoring Results

Color and TKN exceeded the NYS Surface water Standard at surface water sampling location LF2SW-1 (50 PCU and 3.4 mg/L, respectively). The concentrations were similar to concentrations detected in several monitoring wells at the site.

3.2.3.3 MAROS Analysis

The purpose of the MAROS methodology is to recommend an improved groundwater monitoring network by applying statistical techniques to existing historical and current site analytical data. The description of MAROS methodology at LF002 has been removed for readability. This information is provided in the previous Landfill LTM Report (FPM, November 2010).

The following summarizes the results of the Mann-Kendall test. Linear Regression was used to confirm any trend reported by the Mann-Kendall test. The statistical summary sheets for both tests can be located in Appendix E. The summarized results for the target indicator parameters listed below are presented in Table 3-3.

Alkalinity [Carbonate (as CO₃)]

- Source Wells
 - Mann-Kendall analyses at LF2MW2-1 showed a decreasing trend.
 - Linear Regression analyses at LF2MW2-1 showed a decreasing trend.
- Tail Wells
 - Mann-Kendall Analysis:
 - Decreasing: None
 - Probably Decreasing: None
 - Stable: LF2MW-4, -12, and -13
 - Probably Increasing: LF2MW-100
 - Increasing: None
 - No Trend: LF2MW-13
 - Linear Regression Analysis:
 - Decreasing: LF2MW-12
 - Probably Decreasing: None
 - Stable: LF2MW-4 and -14
 - Probably Increasing: None
 - Increasing: LF2MW-100
 - No Trend: LF2MW-13

Hardness [bicarbonate]

- Source Wells
 - Mann-Kendall analyses at LF2MW2-1 showed concentrations were probably decreasing.
 - Results from the Linear Regression analyses showed a decreasing trend at LF2MW2-1.
- Tail Wells
 - Mann-Kendall Analysis:
 - Decreasing: LF2MW-13 and -14
 - Probably Decreasing: None
 - Stable: LF2MW-4
 - Probably Increasing: LF2MW-100
 - Increasing: None
 - No Trend: LF2MW-12
 - Linear Regression Analysis:
 - Decreasing: LF2MW-13 and -14
 - Probably Decreasing: None
 - Stable: LF2MW-4
 - Probably Increasing: LF2MW-100
 - Increasing: None
 - No Trend: LF2MW-12

Nitrate [nitrogen]

- Source Wells
 - Mann-Kendall analyses at LF2MW2-1 showed an increasing trend.
 - Linear Regression analyses at LF2MW2-1 also showed an increasing trend.
- Tail Wells
 - Mann-Kendall Analysis:
 - Decreasing: LF2MW-12
 - Probably Decreasing: None
 - Stable: None
 - Probably Increasing: None
 - Increasing: LF2MW-4
 - No Trend: LF2MW-13, -14, and -100
 - Linear Regression Analysis:
 - Decreasing: LF2MW-12
 - Probably Decreasing: None
 - Stable: None
 - Probably Increasing: LF2MW-4
 - Increasing: None
 - No Trend: LF2MW-13, -14, and -100

Total Organic Carbon

- Source Wells
 - Mann-Kendall analyses at LF2MW2-1 showed a decreasing trend.
 - Results from the Linear Regression analyses were identical to those of the Mann-Kendall analyses.
- Tail Wells
 - Mann-Kendall Analysis:
 - Decreasing: LF2MW-4
 - Probably Decreasing: None
 - Stable: LF2MW-12
 - Probably Increasing: LF2MW-100
 - Increasing: LF2MW-14
 - No Trend: LF2MW-13
 - Linear Regression Analysis:
 - Decreasing: None
 - Probably Decreasing: None
 - Stable: LF2MW-4
 - Probably Increasing: None
 - Increasing: LF2MW-14 and -100
 - No Trend: LF2MW-12 and -13

Optimization Recommendations

The recommended MAROS sampling frequency is annual and biennial. The recommended sampling frequency per sampling location is provided in the MAROS Sampling Frequency Optimization Results worksheets provided in Appendix E.

3.2.4 Conclusions

Landfill Cap Inspections and Maintenance

The semiannual inspections have not identified any major deficiencies that would jeopardize the integrity of the cover and there is optimal vegetation cover on the cap. Inspections are also conducted following significant weather events (5-Year Storm events).

Landfill Gas Monitoring

Results from the spring 2013 and fall 2013 landfill gas monitoring events continue to show site-wide stabilization of methane concentrations at Landfill 2/3. LEL values were below 100% and there were no elevated methane concentrations reported during the spring 2013 round. LEL values equaled or exceeded 100% and elevated methane was detected at one gas vent and two gas monitoring probes during the fall 2013 round. No LEL values exceeding 100% or elevated methane concentrations were reported at any of the perimeter locations which suggests that methane is isolated to the landfill and is not migrating off the property.

Groundwater and Surface Water

Landfill leachate indicators were detected above NYS Groundwater and Surface water Standards at overburden wells LF2MW2-1, LF2MW-12, and -13, and surface water location LF2SW-1. The landfill leachate indicators detected above NYS Groundwater and Surface water Standards included TKN, color, and TDS. The exceedances were at comparable concentrations to previous results and below the typical range of municipal landfill leachate (Lee and Jones, 1991). This reference was used during the Baseline Study of the former Griffiss AFB Landfill AOCs and is provided in Table 2-2. Landfill leachate indicators were also detected above NYS Groundwater Standards at bedrock well LF2MW-100. The exceedances included TDS, TKN, ammonia, bromide, and chloride. The hydraulic head is higher at bedrock well LF2MW-100 than at overburden well LF2MW-12. This indicates an upward hydraulic gradient and the leachate indicators in the bedrock groundwater cannot be attributed to vertical migration from the overburden. The higher concentrations at the bedrock well may be attributed to differences in the geochemical environment of the water-table associated with the overburden well and the bedrock well; the difference in mineralogy between the bedrock (shale) and the overburden may account for the observed chemical differences.

The alkalinity and hardness concentrations were reported from 0 mg/L to 650 mg/L and 8.5 mg/L to 680 mg/L, respectively. The alkalinity and hardness concentrations at monitoring wells in the LF2 LTM Network show no trends. These concentrations are plotted in Figure 3-4 (alkalinity) and 3-5 (hardness). Alkalinity and hardness are important indicators of the plume

extent because the landfill material tends to propagate microbial activity which generates carbon dioxide. This process increases the dissolution of minerals and alkalinity which increases hardness (Baedecker and Back, 1979).

For the June 2013 sampling round, hardness levels throughout the LTM network exceeded the level measured in the background well, LF2MW-14 (alkalinity was non-detect and hardness was 8.5 mg/L). The highest levels of alkalinity and hardness were reported at downgradient well LF2MW-12. The concentrations of leachate indicators alkalinity and hardness are plotted in Figure 3-6. One leachate indicator exceeded standards at the monitoring well. TDS was detected at 650 mg/L at LF2MW-12. The NYS Class GA Groundwater Standard for TDS is 500 mg/L.

MAROS Analysis

MAROS analysis was performed for the Landfill 2/3 AOC LTM network using the results of the past LTM sampling rounds. Results of the evaluation confirmed an overall decreasing/stabilizing trend of concentrations for alkalinity, hardness, and TOC. For nitrate, no trend was observed at tails wells while an increasing trend was observed at the source well.

Utilizing the results of the LTM sampling rounds, MAROS analysis was performed for the Landfill 2/3 AOC LTM network. Results of the evaluation confirmed a decreasing trend at source monitoring wells for the selected target COCs and indicator parameters (alkalinity, hardness, and TOC) (Appendix E). Results of the evaluation showed an overall increasing trend at source monitoring wells for nitrate.

Based on the results of over 50% of the tail monitoring wells, the evaluation confirmed a stable trend for alkalinity concentrations, a stable/decreasing trend for hardness concentrations, no trend for nitrate concentrations, and a stable/increasing trend for TOC concentrations (Appendix E).

3.3 LTM OPTIMIZATION RECOMMENDATIONS

Based on the latest LTM results, the current scope of semiannual landfill cap inspections, biennial groundwater sampling, and biennial surface water sampling will continue. However, it is recommended that landfill gas monitoring be optimized from semiannual to annual as a result of the site-wide stabilization of methane concentrations at Landfill 2/3. Please refer to Table 3-4 for the summary of the Landfill 2/3 AOC LTM Network. All previous LTM Network optimization is provided in Table 3-5.

4 LF003 LANDFILL 7 AOC

4.1 SITE BACKGROUND

Landfill 7, approximately 11 acres, is located northeast of the main runway and south of Perimeter Road. Figure 4-1 illustrates the landfill boundary and the locations of existing monitoring wells.

The wastes at Landfill 7 consisted of domestic refuse, solid waste, liquid wastes, petroleum products, and miscellaneous Base operations waste (such as airplane parts), which were placed into four trenches in the landfill area and subsequently burned. Landfill 7 was active from 1950-1954. The groundwater flow rate at Landfill 7 is estimated to be 445 feet per year (LAW, December 1996). Groundwater flow at Landfill 7 is in a general south-southwest direction.

The ROD for LF003 Landfill 7 AOC was signed by the USEPA on June 6, 2000. In accordance with the ROD, the landfill was re-graded and capped in 2002. The landfill was capped with an 18-inch low permeability soil layer, covered by a 6-inch layer of topsoil and seeded with grass. LTM was initiated in February 2003, and 5-Year Reviews were conducted in 2005 and 2010. Both 5-Year Reviews indicated that the selected remedy is protective of human health and the environment.

For readability, the hydrology setting, previous investigations, and LTM sampling plan sections have been removed from the report. These sections are provided in the 2009 Landfill AOCs LTM Report (FPM, November 2010).

4.1.1 Previous LTM Activities and Results

LTM was implemented at eight monitoring wells (LF7W-22, -23, -26, -27, -28, -29, -30, and -100) and two wetland surface water locations (LF7WL-3 and -4) in February 2003. These sampling locations are illustrated in Figure 4-2. The LTM network was analyzed quarterly (routine parameters) and annually (baseline parameters) for NYSDEC Part 360 requirements. All recommendations to alter the sampling network were provided in previous Landfill AOCs LTM Reports and reviewed by the USEPA and NYSDEC.

VOCs, mercury, PCBs and all leachate indicators were removed from the Landfill 7 LTM network analysis list in spring 2006, due to their low or absent concentrations at the site. Landfill leachate indicators previously detected above the NYS Groundwater/Surface water standards included color, TDS, and TKN. The landfill leachate indicators detections at monitoring wells and surface water sampling locations showed stable trends and metals analysis showed levels above NYS Groundwater Standards. Metals in exceedance include magnesium, manganese, iron, sodium, aluminum, chromium, and nickel. Several of the metals, including manganese, iron, and sodium are indicative of base background conditions.

Since September 2003, landfill inspections and cover maintenance have been performed at Landfill 7. Inspections and maintenance were conducted on a quarterly basis and optimized after the spring 2010 sampling round to a semiannual basis. Landfill cover mowing is conducted on

an annual basis (fall). LUC/ICs have been implemented by the ROD and are verified quarterly as part of the landfill cover inspection program. The fall inspections are performed in conjunction with the Base-wide LUC/IC Site Inspections.

Previous LTM results are provided in detail in the Spring 2009 Landfill AOCs LTM Report (FPM, November 2010), Spring 2010 Landfill AOCs LTM Report (FPM, February 2012), 2011 Landfill AOCs LTM Report (FPM/CAPE, July 2012), and 2012 Landfill AOCs LTM Report (FPM/CAPE, March 2013).

4.2 LANDFILL 7 AOC – 2013 SITE ACTIVITIES

This section describes the Landfill 7 AOC site activities and monitoring data for 2013. The site activities include semiannual landfill cap inspections, biennial groundwater and surface water sampling, and annual landfill cap mowing.

4.2.1 Landfill Cap Inspections/Maintenance

The spring 2013 inspection did not identify any major deficiencies that would jeopardize the integrity of the cover.

The fall 2013 inspection was conducted following landfill mowing. The annual landfill mowing event was conducted in September 2013. The inspection did not identify any major deficiencies that would jeopardize the integrity of the cover.

The semiannual inspection reports (Post-Closure Monitoring Reports) for spring 2013 and fall 2013 can be found in Appendix A.

4.2.2 Groundwater and Surface water Monitoring

Groundwater sampling was conducted in June 2013 at eight monitoring wells (LF7MW-22, -23, -26, -27, -28, -29, -30 and -100). Due to the absence of water, the two wetland surface water locations (LF7WL-3 and -4) could not be sampled.

All groundwater monitoring analytical data is presented in Table 4-1. Daily CQCRs completed during the June 2013 sampling round are provided in Appendix B. The complete list of analytes and the validated laboratory data are attached in Appendix C and the raw laboratory data are available in Appendix D.

4.2.2.1 Groundwater Monitoring Results

Due to a poor recharge rate during the June 2013 sampling round, bedrock monitoring well LF7MW-100 was bailed dry and allowed to recharge overnight. Samples were collected within a 24-hour period from the initial bailing.

Leachate Indicator exceedances were reported at monitoring wells LF7MW-22 and -100.

- TDS exceeded NYS Groundwater Standards at LF7MW-22 (640 mg/L). The NYS Groundwater Standard for TDS is 500 mg/L.
- Bromide, sulfate and TDS exceeded the NYS Groundwater Standards at LF7MW-100 (2.4 mg/L, 450 mg/L, and 2,700 mg/L, respectively). The NYS Groundwater Standard for bromide is 2 mg/L, sulfate is 250 mg/L, and TDS is 500 mg/L.

Synoptic Results

The following summarizes the groundwater elevations (MSL) for each monitoring well sampled at Landfill 7 in the June 2013 sampling round: LF7MW-22 (482.44 ft), LF7MW-23 (472.25 ft), LF7MW-26 (489.62 ft), LF7MW-27 (496.28 ft), LF7MW-28 (483.96), LF7MW-29 (508.96 ft), LF7MW-30 (492.62 ft), and LF7MW-100 (459.97 ft). The groundwater elevations show a general southwesterly flow of groundwater towards the Six Mile Creek culvert (Figure 4-3).

4.2.3 MAROS Analysis

The purpose of the MAROS methodology is to recommend an improved groundwater monitoring network by applying statistical techniques to existing historical and current site analytical data. The description of MAROS methodology at Landfill 7 has been removed for readability. This information is provided in the previous Landfill LTM Report (FPM, November 2010).

The following summarizes the results of the Mann-Kendall test. Linear Regression was used to confirm any trend reported by the Mann-Kendall test. The statistical summary sheets for both tests can be located in Appendix E. The summarized results for the target indicator parameters listed below are presented in Table 4-2.

Alkalinity [Carbonate (as CO₃)]

- Source Wells
 - Mann-Kendall and Linear Regression analyses at LF7MW-22 showed no trend and a stable trend, respectively.
- Tail Wells
 - Mann-Kendall Analysis:
 - Decreasing: None
 - Probably Decreasing: None
 - Stable: None
 - Probably Increasing: LF7MW-23 and -28
 - Increasing: LF7MW-26 and -30
 - No Trend: LF7MW-27 and -29

Linear Regression Analysis:

- Decreasing: None
- Probably Decreasing: None
- Stable: None
- Probably Increasing: LF7MW-23
- Increasing: LF7MW-27 and -28

- No Trend: LF7MW-26, -29, and -30

Hardness [bicarbonate]

- Source Wells
 - Mann-Kendall and Linear Regression analyses at LF7MW-22 showed a stable trend.
- Tail Wells

Mann-Kendall Analysis:

 - Decreasing: None
 - Probably Decreasing: None
 - Stable: LF7MW-26 and -27
 - Probably Increasing: None
 - Increasing: None
 - No Trend: LF7MW-23, -28, -29, and -30

Linear Regression Analysis:

 - Decreasing: None
 - Probably Decreasing: None
 - Stable: LF7MW-27
 - Probably Increasing: None
 - Increasing: LF7MW-26
 - No Trend: LF7MW-23, -28, -29, and -30

Nitrate [nitrogen]

- Source Wells
 - Mann-Kendall and Linear Regression analyses at LF7MW-22 showed a stable and no trend, respectively.
- Tail Wells

Mann-Kendall Analysis:

 - Decreasing: LF7MW-26, -27, and -28
 - Probably Decreasing: LF7MW-30
 - Stable: LF7MW-29
 - Probably Increasing: None
 - Increasing: None
 - No Trend: LF7MW-23

Linear Regression Analysis:

 - Decreasing: LF7MW-26 and -27
 - Probably Decreasing: LF7MW-28
 - Stable: LF7MW-30
 - Probably Increasing: none
 - Increasing: None
 - No Trend: LF7MW-23 and -29

Total Organic Carbon

- Source Wells
 - Mann-Kendall and Linear Regression analyses at LF7MW-22 both showed no trend.
- Tail Wells
 - Mann-Kendall Analysis:
 - Decreasing: None
 - Probably Decreasing: None
 - Stable: LF7MW-23, -27 and -29
 - Probably Increasing: LF7MW-26 and -20
 - Increasing: None
 - No Trend: LF7MW-28
 - Linear Regression Analysis:
 - Decreasing: LF7MW-29
 - Probably Decreasing: None
 - Stable: LF7MW-23 and -27
 - Probably Increasing: LF7MW-26
 - Increasing: LF7MW-28 and -30
 - No Trend: None

Optimization Recommendations

The recommended MAROS sampling frequency is annual and biennial. The recommended sampling frequency per sampling location is provided in the MAROS Sampling Frequency Optimization Results worksheets provided in Appendix E.

4.3 CONCLUSIONS

Landfill Cap Inspections and Maintenance

The semiannual inspections have not identified any major deficiencies that would jeopardize the integrity of the cover and there is optimal vegetation cover on the cap. Inspections are also conducted following significant weather events (5-Year Storm events).

Groundwater

Landfill leachate indicators were above NYS Groundwater Standards at LF7MW-22 and -100. The exceedances included bromide, color, sulfate, and TDS.

The leachate indicator concentrations at the Landfill 7 AOC were comparable to previous results and below/within the typical range of municipal landfill leachate (Lee and Jones, 1991). This reference was used during the Baseline Study of the former Griffiss AFB Landfill AOCs and is provided in Table 2-4.

Bromide, sulfate, and TDS exceedances were detected at LF7MW-100, the LF003 bedrock well; however, the concentrations were still within the typical range of municipal landfill leachate. These leachate indicators were not detected at the overburden wells. The higher concentrations at the bedrock well may be attributed to differences in the geochemical environment of the water-table associated with the overburden well and the bedrock well; the difference in mineralogy between the bedrock (shale) and the overburden may account for the observed chemical differences.

The alkalinity and hardness concentrations were reported from 6.7 mg/L to 510 mg/L and 12 mg/L to 540 mg/L, respectively. The alkalinity and hardness concentrations at monitoring wells in the LF003 LTM Network showed stable trends. These trends are provided in Figure 4-4 (alkalinity) and 4-5 (hardness). Alkalinity and hardness are important indicators of the plume extent because the landfill material tends to propagate microbial activity which generates carbon dioxide. This process increases the dissolution of minerals and alkalinity which increases hardness (Baedecker and Back, 1979). The stability of these parameters suggests that the landfill plume is fairly static.

For the June 2013 sampling round, hardness levels throughout the LTM network exceeded the level measured in the background well, LF7MW-29 (alkalinity was 6.7 mg/L and hardness was 12 mg/L). The highest levels of alkalinity and hardness were reported at all downgradient wells. The concentrations of leachates indicators alkalinity and hardness are plotted in Figure 4-6. Only TDS exceeded standards at downgradient monitoring well LF7MW-22. However, this exceedance is likely a result of natural conditions in the water table throughout the base.

MAROS Analysis

Utilizing the results of the LTM sampling rounds, MAROS analysis was performed for the Landfill 7 AOC LTM network. Results of the evaluation confirmed a stable to no trend at source monitoring wells for the selected target COCs and indicator parameters (alkalinity, hardness, nitrate, and TOC) (Appendix E).

Based on the results of over 50% of the tail monitoring wells, the evaluation confirmed an increasing trend for alkalinity concentrations, no trend for hardness concentrations, a decreasing trend for nitrate concentrations, and a stable/increasing trend for TOC concentrations (Appendix E).

4.4 LTM OPTIMIZATION RECOMMENDATIONS

Based on the latest LTM results, the current scopes of semiannual landfill cap inspections, biennial groundwater sampling, and biennial surface water sampling will continue. Please refer to Table 4-3 for the summary of the Landfill 7 AOC LTM Network. All previous LTM Network optimization is provided in Table 4-4.

5 LF007 LANDFILL 5 AOC

5.1 SITE BACKGROUND

Landfill 5 encompasses approximately 4 acres and is located in the south-central portion of the former Base, south of Patrick Square, immediately southwest of the unpaved access road and east of Three Mile Creek. Figure 5-1 illustrates the landfill boundary together with the location of existing monitoring wells.

The waste at Landfill 5 consisted of domestic wastes, reportedly having been burned and then buried. Approximately 18,000 CY of wastes were disposed of at the site from 1950-1960. During the Remedial Investigation (RI), groundwater flow rates were estimated to be 114 feet per year (LAW, December 1996). Principal groundwater flow directions at Landfill 5 are to the west in the area bordering the northern part of the landfill and to the southwest in the central and southern parts of the landfill.

The ROD for LF007 Landfill 5 AOC was signed by the USEPA on June 5, 2000. In accordance with the ROD, the landfill was re-graded and capped in 2002. The cap components include an 18 inch low permeability soil layer, covered by a 6 inch layer of topsoil with grass seed on top. LTM was initiated in February 2003, and 5-Year Reviews were conducted in 2005 and 2010. Both 5-Year Reviews indicated that the selected remedy is protective of human health and the environment.

For readability, the hydrology setting, previous investigations, and LTM sampling plan sections have been removed from the report. These sections are provided in the 2009 Landfill AOCs LTM Report (FPM, November 2010).

5.1.1 Previous LTM Activities and Results

LTM was implemented at five monitoring wells (LF5MW-1A, -3, -5, -100R, and MW49D07) and three surface water locations (LF5SW-1, -2, and -3) in February 2003. These sampling locations are illustrated in Figure 5-2. The LTM network was analyzed quarterly (routine parameters) and annually (baseline parameters) for NYSDEC Part 360 Parameters and VOCs. Currently, based on several rounds of sampling data, only metals are analyzed on an annual basis. All recommendations to alter the sampling network were provided in previous Landfill AOCs LTM Reports and reviewed by the USEPA and NYSDEC.

VOC and PCB analysis conducted at the site did not show any detections above standards at the overburden monitoring wells or surface water sampling locations. PCB exceedances were reported at LF5MW-100R (bedrock well) in 2005 and 2006. No PCBs were detected at this location in 2007 and 2008. Landfill leachate indicators previously detected above the NYS Groundwater/Surface water standards included ammonia, bromide, chloride, color, nitrate, sulfate, TDS, and TKN. The landfill leachate indicators detections showed stable trends before the analysis was removed from the LTM network in 2006. Metals analysis for this site showed levels above NYS Groundwater Standards. Metals detected above standards include manganese,

iron, sodium, aluminum, chromium, and nickel. Several of the metals (e.g., manganese, iron, and sodium) are indicative of base background conditions.

Landfill inspections and cover maintenance have been performed at Landfill 5 since September 2003. Inspections and maintenance were conducted on a quarterly basis and optimized after the spring 2010 sampling round to a semiannual basis. Landfill cover mowing is conducted on an annual basis (fall). LUC/ICs have been implemented by the ROD and are verified quarterly as part of the landfill cover inspection program. The fall inspections are performed in conjunction with the Base-wide LUC/IC Site Inspections.

Previous LTM results are provided in detail in the Spring 2009 Landfill AOCs LTM Report (FPM, November 2010), Spring 2010 Landfill AOCs LTM Report (FPM, February 2012), 2011 Landfill AOCs LTM Report (FPM/CAPE, July 2012), and 2012 Landfill AOCs LTM Report (FPM/CAPE, March 2013).

5.2 LANDFILL 5 AOC – 2013 SITE ACTIVITIES

This section describes the Landfill 5 AOC site activities and monitoring data for 2013. The site activities include semiannual landfill cap inspections, biennial groundwater and surface water sampling, and annual landfill cap mowing.

5.2.1 Landfill Cap Inspections/Maintenance

The spring 2013 inspection did not identify any major deficiencies that would jeopardize the integrity of the cover.

The fall 2013 inspection was conducted following landfill mowing. The annual landfill mowing event was conducted in September 2013. The inspection did not identify any major deficiencies that would jeopardize the integrity of the cover.

The semiannual inspection reports (Post-Closure Monitoring Reports) for spring 2013 and fall 2013 can be found in Appendix A.

5.2.2 Groundwater and Surface Water Monitoring

Groundwater and surface water sampling was conducted in June 2013 at five monitoring wells (LF5MW-3, -5, -1A, -100 and MW49D07) and three surface water locations (LF5SW-1, -2, and -3) for landfill leachate indicators.

All groundwater and surface water monitoring analytical data is presented in Table 5-1. Daily CQCRs completed during the June 2013 sampling round are provided in Appendix B. The complete list of analytes and the validated laboratory data are attached in Appendix C and the raw laboratory data are available in Appendix D.

5.2.2.1 Groundwater Monitoring Results

During the June 2013 sampling round, monitoring wells MW49D07 and LF5MW-100R were bailed dry as a result of poor recharge. Samples were collected within 24 hours of the wells being bailed dry.

Leachate Indicator exceedances were reported at monitoring wells LF5MW-1A, -3, -5, and -100R.

- Color exceeded the NYS Groundwater Standard at LF5MW-3 (40 PCU) and -5 (50 PCU). The NYS Groundwater Standard for color is 15 PCU.
- Chloride exceeded NYS Groundwater Standards at LF5MW-1A (310 mg/L) and -100R (940 mg/L). The NYS Groundwater Standard for chloride is 250 mg/L.
- TDS exceeded NYS Groundwater Standards at LF5MW-1A (850 B mg/L), -3 (2,000 B mg/L), and -100R (2,600 B mg/L). The NYS Groundwater Standard for TDS is 500 mg/L. The B data qualifier indicates that the analyte was found in an associated blank, as well as in the sample.
- Bromide exceeded the NYS Groundwater Standard at LF5MW-100R (10 mg/L). The NYS Groundwater Standard for bromide is 2 mg/L.
- TKN exceeded the NYS Groundwater Standard at LF5MW-3 (1.4 mg/L), -5 (1.4 mg/L) and -100R (11 mg/L). The NYS Groundwater Standard for TKN is 1 mg/L.
- Sulfate exceeded NYS Groundwater Standards at LF5MW-3 (1,100 mg/L). The NYS Groundwater Standard for sulfate is 250 mg/L.
- Ammonia exceeded NYS Groundwater Standards at LF5MW-100R (13 mg/L). The NYS Groundwater Standard for ammonia is 2 mg/L.

Synoptic Results

The following summarizes the groundwater elevations (MSL) for each monitoring well sampled at Landfill 5 in the June 2013 sampling round: LF5MW-1A (457.77 ft), LF5MW-3 (456.41 ft), LF5MW-5 (456.84 ft), LF5MW-100R (442.51 ft) and MW49D07 (456.27 ft). The groundwater elevations show a general southwesterly flow of groundwater towards Three Mile Creek (Figure 5-3).

5.2.2.2 Surface Water Monitoring Results

Leachate indicator exceedances were reported at all three locations.

- Color exceeded the NYS Surface water Standard at LF5SW-2 (45 PCU). The NYS Surface water Standard for color is 15 PCU.
- TDS exceeded NYS Surface water Standard at LF5SW-1 (580 B mg/L) and -3 (530 B mg/L). The NYS Surface water Standard for TDS is 500 mg/L. The B data qualifier indicates that the analyte was found in an associated blank, as well as in the sample.

5.2.2.3 MAROS Analysis

The purpose of the MAROS methodology is to recommend an improved groundwater monitoring network by applying statistical techniques to existing historical and current site analytical data. The description of MAROS methodology at Landfill 5 has been removed for readability. This information is provided in the previous Landfill LTM Report (FPM, November 2010).

The following summarizes the results of the Mann-Kendall test. Linear Regression was used to confirm any trend reported by the Mann-Kendall test. The statistical summary sheets for both tests can be located in Appendix E. The summarized results for the target indicator parameters listed below are presented in Table 5-2.

Alkalinity [Carbonate (as CO₃)]

- Source Wells
 - LF5MW-1A showed no trend for both the Mann-Kendall and Linear Regression analyses.
- Tail Wells
 - Mann-Kendall Analysis:
 - Decreasing: None
 - Probably Decreasing: None
 - Stable: LF5MW-5
 - Probably Increasing: LF5MW-3
 - Increasing: None
 - No Trend: LF5MW-100R and MW49D07

Linear Regression Analysis:

- Decreasing: None
- Probably Decreasing: LF5MW-5
- Stable: None
- Probably Increasing: None
- Increasing: None
- No Trend: LF5MW-100R, LF5MW-3 and MW49D07

Hardness [bicarbonate]

- Source Wells
 - LF5MW-1A showed no trend for Mann-Kendall analyses and a stable trend for Linear Regression analyses.
- Tail Wells
 - Mann-Kendall Analysis:
 - Decreasing: LF5MW-5
 - Probably Decreasing: None
 - Stable: MW49D07
 - Probably Increasing: none

- Increasing: LF5MW-3
- No Trend: LF5MW-100R

Linear Regression Analysis:

- Decreasing: LF5MW-5
- Probably Decreasing: None
- Stable: LF5MW-100R and MW49D07
- Probably Increasing: None
- Increasing: LF5MW-3
- No Trend: None

Nitrate [nitrogen]

- Source Wells
 - LF5MW-1A showed a decreasing trend for both the Mann-Kendall and Linear Regression analyses.
- Tail Wells

Mann-Kendall Analysis:

 - Decreasing: MW49D07
 - Probably Decreasing: None
 - Stable: None
 - Probably Increasing: None
 - Increasing: None
 - No Trend: LF5MW-3 and -5
 - Non Detect: LF5MW-100R

Linear Regression Analysis:

- Decreasing: LF5MW-3 and MW49D07
- Probably Decreasing: None
- Stable: None
- Probably Increasing: None
- Increasing: None
- No Trend: LF5MW-5
- Non Detect: LF5MW-100R

Total Organic Carbon

- Source Wells
 - LF5MW-1A showed no trend for the Mann-Kendall and an increasing trend for Linear Regression analyses.
- Tail Wells

Mann-Kendall Analysis:

 - Decreasing: LF5MW-100R
 - Probably Decreasing: LF5MW-3
 - Stable: None

- Probably Increasing: None
- Increasing: MW49D07
- No Trend: LF5MW-5

Linear Regression Analysis:

- Decreasing: None
- Probably Decreasing: LF5MW-100R
- Stable: None
- Probably Increasing: MW49D07
- Increasing: LF5MW-5
- No Trend: LF5MW-3

Optimization Recommendations

The recommended MAROS sampling frequency is annual and biennial. The recommended sampling frequency per sampling location is provided in the MAROS Sampling Frequency Optimization Results worksheets provided in Appendix E.

5.2.3 Conclusions

Landfill Cap Inspections and Maintenance

The semiannual inspections have not identified any major deficiencies that would jeopardize the integrity of the cover and there is optimal vegetation cover on the cap. Inspections are also conducted following significant weather events (5-Year Storm events).

Groundwater and Surface Water

Leachate indicator exceedances were reported at monitoring wells LF5MW-1A, -3, -5, and -100R. The exceedances included ammonia, bromide, chloride, color, TDS, TKN, and sulfate.

The leachate indicator concentrations at the overburden wells and surface water locations were comparable to previous results and below or within the typical range of municipal landfill leachate (Lee and Jones, 1991). This reference was used during the Baseline Study of the former Griffiss AFB Landfill AOCs and is provided in Table 2-4. LF5MW-100R, the bedrock well, showed higher concentrations of indicator parameters compared to the overburden wells; however, the concentrations were still within the typical range of municipal landfill leachate, except chloride which was above the typical range.

The alkalinity and hardness concentrations were reported from 31 mg/L to 320 mg/L and 37 mg/L to 1,400 mg/L, respectively. The alkalinity and hardness concentrations at monitoring wells in the LF5 LTM Network show no trends as shown in Figure 5-4 (alkalinity) and Figure 5-5 (hardness). Alkalinity and hardness are important indicators of the plume extent because the landfill material tends to propagate microbial activity which generates carbon dioxide. This process increases the dissolution of minerals and alkalinity which increases hardness (Baedecker and Back, 1979).

For the June 2013 sampling round, alkalinity and hardness levels throughout the LTM network exceeded the level measured in the background well, LF5MW-1A (alkalinity was 250 mg/L and hardness was 220 mg/L), excluding LF5MW-5. At LF5MW-5, alkalinity was 31 mg/L and hardness was 37 mg/L. The highest levels of alkalinity and hardness coincide with monitoring wells located downgradient of the landfill. These monitoring wells include LF5MW-3, -100R, and MW49D07. Hardness concentrations at downgradient overburden well LF5MW-3 was 1,400 mg/L and 790 mg/L at bedrock well LF5MW-100R. These wells also showed leachate indicator detections at concentrations above one order of magnitude of the NYS Groundwater Standards. The concentrations of leachate indicators alkalinity, ammonia, hardness, TKN, TDS, and TOC are plotted in Figure 5-6.

MAROS Analysis

Utilizing the results of the LTM sampling rounds, MAROS analysis was performed for the Landfill 5 AOC LTM network. Results of the evaluation confirmed a stable to no trend at source monitoring wells for alkalinity and hardness concentrations. Results also showed a decreasing trend for nitrate concentrations and an increasing trend/no trend for TOC concentrations.

Based on the results of over 50% of the tail monitoring wells, the evaluation confirmed a stable to no trend for alkalinity concentrations, a stable to decreasing trend for hardness concentrations, and a decreasing trend/no trend for both nitrate and TOC concentrations (Appendix E).

5.3 LTM OPTIMIZATION RECOMMENDATIONS

Based on the latest LTM results, the current scopes of semiannual landfill cap inspections and biennial groundwater and surface water sampling will continue. Please refer to Table 5-3 for the summary of the Landfill 5 AOC LTM Network. All previous LTM Network optimization is provided in Table 5-4.

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6 LF009 LANDFILL 6 AOC

6.1 SITE BACKGROUND

Landfill 6 is an unlined landfill comprising of approximately 15.7 acres located near the southern boundary of the former Griffiss AFB, between Perimeter Road and Three Mile Creek (TMC). The southern edge of the landfill is bound by a dirt access road. Figure 6-1 illustrates the landfill boundary and the locations of existing monitoring wells.

The wastes at Landfill 6 consisted of general refuse and hardfill that was buried and some of which was burned at the site. An estimated 38,000-62,000 CY of wastes were disposed at the site from 1955-1959. During the 1980s, although the landfill was no longer active, an unknown quantity of fuel-contaminated soil from the tank excavations at Tank Farms 1 and 3 was disposed of in the southern portion of Landfill 6. In 1986, a clay cap was constructed over the fuel-contaminated soils area. The groundwater flow rate at Landfill 6 is estimated to be 37 feet per year (LAW, December 1996). Groundwater flows south-southwest toward TMC at Landfill 6.

The ROD for LF009 Landfill 6 AOC was signed by the USEPA on June 7, 2001. In accordance with the ROD, the landfill was re-graded and capped in 2004. The cap components include a 12-inch gas venting layer, a 40-mil linear low density polyethylene geomembrane liner, a geocomposite drainage net, a minimum 12 inch thick barrier protection layer, and a minimum 6 inch thick layer of topsoil. A portion of the fill material used at Landfill 6 consisted of soil/debris from various on-base projects, including: approximately 52,600 CY of material from the TMC restoration project, approximately 3,000 CY of cobbles from the Apron 1 biopile remediation project and approximately 2 CY of soil from the Rainbow Creek remediation project. LTM was initiated in June 2006 and Five-Year Reviews were conducted in 2005 and 2010.

For readability, the hydrology setting, previous investigations, and LTM sampling plan sections have been removed from the report. These sections are provided in the 2009 Landfill AOCs LTM Report (FPM, November 2010).

6.1.1 Previous LTM Activities and Results

LTM was implemented at 19 monitoring wells (775VMW-10, -18R, -20R, LF6MW-1, -12, LF6VMW-10R2, -17D, -17S, -18, -19, -20, -21, -22, -23, -24, -25, -26, TCMW-9 and TMC-USGS-2), three surface water locations (LF6SW-1, -2, -3), and one wetland sampling location (LF6W-1) in June 2006. As recommended by the NYSDEC, landfill leachate sampling locations LF6LH-1 and -2 were added to the LF6 LTM network in December 2006. These sampling locations are illustrated in Figure 6-2. The LTM network was analyzed quarterly (routine parameters) and annually (baseline parameters) for NYSDEC Part 360 requirements. All recommendations to alter the sampling network were provided in previous Landfill AOCs LTM Reports and reviewed by the USEPA and NYSDEC.

VOCs detected above the NYS Groundwater/Surface water standards include TCE and cis-1,2 dichloroethene. Exceedances occur at monitoring wells 775VMW-10, LF6MW-12, and

LF6VMW-26. Landfill leachate indicators detected above standards included chloride, color, TDS, and TKN. Metals analysis for this site continues to show levels above NYS Groundwater Standards. Metals in exceedance include manganese, magnesium, iron, sodium, aluminum, chromium, and nickel. Several of the metals (e.g., manganese, iron, sodium) are indicative of base background conditions.

Landfill gas monitoring has been performed at Landfill 6 to identify the presence and concentration of methane at or near the landfill. A total of 13 gas monitoring probes and 16 landfill gas vents were monitored on a quarterly basis from October 2005 until October 2009. Landfill gas sampling was optimized after the October 2009 sampling round to semiannual. Results from the gas sampling events at Landfill 6 showed elevated methane concentrations throughout the landfill, but these levels have declined.

Landfill inspections and cover maintenance have been performed at Landfill 6 since 2006. Inspections and maintenance were conducted on a quarterly basis and optimized after the spring 2010 sampling round to a semiannual basis. Landfill cover mowing is conducted on an annual basis (fall).

Previous LTM results are provided in detail in the Spring 2009 Landfill AOCs LTM Report (FPM, November 2010), Spring 2010 Landfill AOCs LTM Report (FPM, February 2012), 2011 Landfill AOCs LTM Report (FPM/CAPE, July 2012), and 2012 Landfill AOCs LTM Report (FPM/CAPE, March 2013).

6.2 LANDFILL 6 AOC – 2013 SITE ACTIVITIES

This section describes the Landfill 6 AOC site activities and monitoring data for 2013. The field activities include semiannual landfill cap inspections, semiannual landfill gas monitoring, annual landfill cap mowing, and annual groundwater and surface water sampling.

6.2.1 Landfill Cap Inspections/Maintenance

The spring 2013 inspection did not identify any major deficiencies that would jeopardize the integrity of the cover.

The fall 2013 inspection was conducted following landfill mowing. The annual landfill mowing event was conducted in September 2013. The inspection did not identify any major deficiencies that would jeopardize the integrity of the cover.

The semiannual inspection reports (Post-Closure Monitoring Reports) for spring 2013 and fall 2013 can be found in Appendix A.

6.2.2 Landfill Gas Monitoring

Landfill gas monitoring was conducted at 13 gas monitoring probes (LF6GMP-1 through -13) and sixteen gas vents (LF6VENT-1 through -16) in May 2013 and October 2013 for methane

concentrations, LEL, oxygen concentrations and carbon dioxide concentrations. The semiannual Landfill 6 gas results are presented in Table 6-1.

Landfill gas readings were taken in May 2013. There were no LEL values that equaled or exceeded 100% at any of the thirteen gas monitoring probes or the sixteen gas vents. There were no elevated methane concentrations recorded at any of the gas monitoring probes or the gas vents.

Landfill gas readings were also taken in October 2013. There were no LEL values that equaled or exceeded 100% at any of the thirteen gas monitoring probes. LEL values equaled or exceeded 100% at one gas vent (LF6VENT-4). The methane concentration at LF6VENT-4 was 10.5 ppm. Methane was also detected at gas vents LF6VENT-2 and -3 both with a concentration of 2.9 ppm.

6.2.3 Groundwater and Surface Water Monitoring

Groundwater and surface water monitoring was conducted in June 2013 at 19 monitoring wells (LF6MW-1, -12, LF6VMW-10R2, -17S, -17D, -18, -19, -20, -21, -22, -23, -24, -25, -26, 775VMW-10, -18R, -20R, TCMW-9 and TMC-USGS-2), two leachate locations (LF6LH-1 and -2), one wetland location (LF6W-1) and three surface water locations (LF6SW-1, -2 and -3) for landfill leachate indicators. Additionally, VOC analysis was performed at monitoring wells 775VMW-10, LF6VMW-12, -24, -25, -26, and TCMW-9, surface water locations LF6SW-1, -2, -3, wetland sample LF6W-1.

All groundwater and surface water monitoring analytical data, which are presented in Table 6-2. Daily CQCRs completed during the June 2013 sampling round is provided in Appendix B. The complete list of analytes and the validated laboratory data are attached in Appendix C and the raw laboratory data are available in Appendix D.

6.2.3.1 Groundwater Monitoring Results

VOCs

Monitoring wells with VOC exceedances included 775VMW-10, LF6MW-12, and LF6VMW-26.

- Trichloroethene (TCE) exceeded the NYS Groundwater Standards at monitoring wells 775VMW-10 (37 µg/L) and LF6MW-16 (470 µg/L). The NYS Groundwater Standard for TCE is 5 µg/L.
- cis-1,2-dichloroethene (cis-1,2-DCE) exceeded the NYS Groundwater Standards at monitoring wells LF6MW-12 (430 µg/L) and LF6MW-26 (93 µg/L). The NYS Groundwater Standard for cis-1,2-DCE is 5 µg/L.
- Vinyl chloride (VC) exceeded the NYS Groundwater Standards at monitoring well LF6MW-12 (7.1 µg/L). The NYS Groundwater Standard for VC is 2 µg/L.

- Trans-1,2-dichloroethene exceeded the NYS Groundwater Standards at monitoring well LF6MW-12 (13 µg/L). The NYS Groundwater Standard for trans-1,2-dichloroethene is 5 µg/L.

Leachate Indicators

Monitoring wells with leachate indicator exceedances included 775VMW-18R, LF6MW-1, -12, LF6VMW-24, -26, and TCMW-9.

- TDS exceeded the NYS Groundwater Standards at monitoring wells 775VMW-18R (1,000 mg/L), LF6MW-1 (2,100 mg/L), LF6MW-12 (650 mg/L), LF6VMW-24 (790 mg/L), -26 (590 mg/L), and TCMW-9 (670 mg/L). The NYS Groundwater Standard for TDS is 500 mg/L.
- Chloride exceeded the NYS Groundwater Standards at monitoring wells 775VMW-18R (470 mg/L), LF6MW-1 (1,100 mg/L), and LF6VMW-24 (360 mg/L). The NYS Groundwater Standard for chloride is 250 mg/L.

Synoptic Results

The following summarizes the groundwater elevations (MSL) for each monitoring well sampled at Landfill 6 in the June 2013 sampling round: 775VMW-10 (456.72 ft), -18R (458 ft), -20R (455.51 ft), LF6MW-1 (456.37 ft), -12 (453.39 ft), LF6VMW-10R2 (453.39 ft), -17D (454.46 ft), -17S (455.88 ft), -18 (451.92 ft), -19 (452.32 ft), -20 (453.11 ft), -21 (454.09 ft), -22 (453.53 ft), -23 (453.6 ft), -24 (453.56 ft), -25 (454.72 ft), -26 (452.96 ft), TCMW-9 (454.67 ft) and TMC-USGS-2 (450.91 ft). The groundwater contours are illustrated in Figure 6-3.

6.2.3.2 Surface Water Monitoring Results

VOCs

No VOC exceedances were reported.

Leachate Indicators

TKN exceeded the NYS Groundwater Standards at sampling locations LF6LH-1 (1.4 mg/L), LF6LH-2 (26 mg/L), and LF6W-1 (1.1 mg/L). The NYS Groundwater Standard for TKN is 1 mg/L.

6.2.3.3 MAROS Analysis

The purpose of the MAROS methodology is to recommend an improved groundwater monitoring network by applying statistical techniques to existing historical and current site analytical data. The description of MAROS methodology at Landfill 6 has been removed for readability. This information is provided in the 2009 Landfill AOC LTM Report (FPM, November 2010).

The following summarizes the results of the Mann-Kendall test. Linear Regression was used to confirm any trend reported by the Mann-Kendall test. The statistical summary sheets for both tests can be located in Appendix E. The summarized results for the target indicator parameters listed below are presented in Table 6-3.

Alkalinity [Carbonate (as CO₃)]

- Source Wells
 - Mann-Kendall analyses showed no trend at 775VMW-10 and LF6MW-12 and a decreasing trend for LF6VMW-26.
 - Linear Regression analyses shows concentrations at 775VMW-10 are increasing, concentrations at LF6MW-12 show no trend, and concentrations at LF6VMW-26 are decreasing.
- Tail Wells
 - Mann-Kendall Analysis:
 - Decreasing: 775VMW-20R, LF6VMW-17D, -18, -25, LF6LH-2, and TCMCW-9
 - Probably Decreasing: LF6VMW-24 and TMC-USGS-2
 - Stable: LF6MW-1 and LF6VMW-10R2
 - Probably Increasing: LF6VMW-21
 - Increasing: 775VMW-18R, LF6VMW-19, -20, -22, -23, and LF6LH-1
 - No Trend: LF6VMW-17S and LF6WT-1
 - Linear Regression Analysis:
 - Decreasing: 775VMW-20R, LF6VMW-17D, -18, -24, LF6LH-2, TCMCW-9 and TMC-USGS-2
 - Probably Decreasing: LF6MW-1
 - Stable: LF6WT-1
 - Probably Increasing: LF6VMW-10R2 and -23
 - Increasing: 775VMW-18R, LF6VMW-17S, -19, -22 and LF6LH-1
 - No Trend: LF6VMW-20, -21 and -25

Hardness [bicarbonate]

- Source Wells
 - Mann-Kendall analyses show a stable trend for source well 775VMW-10, and an increasing trend for LF6MW-12 and LF6VMW-26.
 - Linear Regression analyses show a stable trend for source well 775VMW-10, no trend for LF6MW-12, and an increasing trend for LF6VMW-26.
- Tail Wells
 - Mann-Kendall Analysis:
 - Decreasing: 775VMW-18R, LF6VMW-17D, -18, -20, TCMCW-9 and TMC-USGS-2
 - Probably Decreasing: LF6MW-1
 - Stable: LF6VMW-17S and LF6VMW-25
 - Probably Increasing: LF6VMW-21, -22 and LF6LH-2
 - Increasing: LF6VMW-10R2, -19 and -24

- No Trend: 775VMW-20R, LF6VMW-23, LF6LH-1 and LF6WT-1

Linear Regression Analysis:

- Decreasing: 775VMW-18R, -17D, LF6VMW-18, -20 and TCMCW-9
- Probably Decreasing: TMC-USGS-2
- Stable: 775VMW-20R, LF6MW-1, LF6VMW-17S, -19, and -22
- Probably Increasing: LF6VMW-21
- Increasing: LF6VMW-24 and LF6LH-1
- No Trend: LF6VMW-10R2, -23, -25, LF6LH-2 and LF6WT-1

Nitrate [nitrogen]

- Source Wells
 - Mann-Kendall analyses show a decreasing trend at 775VMW-10, a stable trend at LF6MW-12, and no trend at LF6VMW-26.
 - Linear Regression analyses show a decreasing trend at 775VMW-10, a stable trend at LF6MW-12, and a probably increasing trend at LF6VMW-26.

- Tail Wells

Mann-Kendall Analysis:

- Decreasing: LF6VMW-18
- Probably Decreasing: None
- Stable: 775VMW-18R and -24
- Probably Increasing: LF6VMW-25
- Increasing: LF6VMW-10R2, -17S, -19, -21, -22, and TMC-USGS-2
- No Trend: 775VMW-20R, LF6MW-1, LF6VMW-17D, -20, -23, LF6LH-1, -2, TCMCW-9, and LF6WT-1

Linear Regression Analysis:

- Decreasing: 775VMW-18R, LF6VMW-17D, -18 and LF6LH-1
- Probably Decreasing: None
- Stable: LF6VMW-24
- Probably Increasing: LF6VMW-20
- Increasing: LF6VMW-10R2, -17S, -19, -21, -22, -23, -25 and TMC-USGS-2
- No Trend: 775VMW-20R, LF6MW-1, LF6LH-2, TCMCW-9 and LF6WT-1

Total Organic Carbon

- Source Wells
 - A Mann-Kendall analysis shows a stable trend at LF6VMW-26 and shows no trend at 775VMW-10 and LF6MW-12.
 - A linear Regression analysis shows a stable trend at LF6VMW-26 and shows no trend at 775VMW-10 and LF6MW-12.
- Tail Wells
 - Mann-Kendall Analysis:
 - Decreasing: LF6VMW-17D, -20 and -25
 - Probably Decreasing: LF6MW-1

- Stable: 775VMW-20R, LF6VMW-17S, -18, -24 and TCMW-9
- Probably Increasing: LF6LH-2
- Increasing: LF6LH-1
- No Trend: 775VMW-18R, LF6VMW-10R2, -19, -21, -22, -23, TMC-USGS-2 and LF6WT-1

Linear Regression Analysis:

- Decreasing: LF6VMW-25
- Probably Decreasing: LF6VMW-17D and -20
- Stable: LF6MW-1, LF6VMW-17S, -18 and TCMW-9
- Probably Increasing: TMC-USGS-2
- Increasing: 775VMW-18R, LF6LH-1, -2 and LF6WT-1
- No Trend: 775VMW-20R, LF6VMW-10R2, -19, -21, -22, -23 and -24

6.2.4 Conclusions

Landfill Cap Inspections and Maintenance

The semiannual inspections have not identified any major deficiencies that would jeopardize the integrity of the cover and there is optimal vegetation cover on the cap. Inspections are also conducted following significant weather events (5-Year Storm events).

Landfill Gas Monitoring

Methane was not detected at any of the gas monitoring probes or vents during the spring 2013 gas sampling rounds. In the fall 2013 gas sampling round, one gas vent (LF6VENT-4) showed a LEL value exceeding 100%. LF6VENT-4, located in the center of the landfill, showed a methane concentration of 10.5 ppm. Two vents in the vicinity of LF6VENT-4 also showed methane detects; however LEL values were well below 100%. No methane detections were reported at any of the other gas vents or gas monitoring probes.

Groundwater and Surface Water

As listed in the final Remedial Action (RA) Work Plan (WP) (Parsons, July 2008), the selected remedy for the Landfill 6 TCE Site is enhanced bioremediation. This process is intended to increase biodegradation of the groundwater contaminants by injecting a vegetable oil emulsion into the ground upgradient of monitoring well LF6MW-12. The vegetable oil emulsion accelerates the natural breakdown of the chemicals, reducing the concentration of contaminants. To assess the effectiveness of the injections, semiannual performance sampling is conducted independent from the Landfill 6 LTM sampling. Performance monitoring reports are issued independently of this report.

The relatively high concentrations of cis-1,2-DCE and TCE found at monitoring wells LF6MW-12 and LF6VMW-26 do not appear to be directly impacting downgradient surface water locations along Three Mile Creek. TCE detections were recorded at surface water sampling locations LF6SW-1 and -2, but they were one-time occurrences with concentrations well below

their respective reporting limits. Daughter compounds associated with the breakdown of TCE have not been detected at any of the three surface water sampling locations since surface water sampling began in July 2006. The total VOC concentration trends for monitoring wells within or adjacent the TCE plume (LF6MW-12, LF6VMW-23, -24, -25, -26, and TCMW-9) are presented in Figure 6-4. The TCE plume is illustrated in Figure 6-2.

Landfill leachate indicators were above NYS Groundwater and Surface Water Standards at 775VMW-18R, LF6MW-1, -12, LF6VMW-24, -26, TCMW-9, LF6LH-1, -2, and LF6W-1. The exceedances included chloride, TDS, and TKN.

All concentrations of leachate indicators at the overburden wells and surface water locations were comparable to previous results and below/within the typical range of municipal landfill leachate (Lee and Jones, 1991). This reference was used during the Baseline Study of the former Griffiss AFB Landfill AOCs and is provided in Table 2-4. The leachate indicators at 775VMW-18R, LF6MW-1, -12, LF6VMW-24, -26, and TCMW-9 are not believed to be associated with landfill leachate. 775VMW-18R and LF6MW-1 are upgradient wells. The leachate indicators at LF6MW-12, LF6VMW-24, and TCMW-9 are believed to be associated with the Building 775 and Landfill 6 TCE plume. LF6MW-12 is located within the plume and LF6VMW-24 and TCMW-9 are located adjacent to the plume. This plume is addressed under the On-Base Groundwater Operable Unit (SD052). The leachate indicators were detected in surface water samples at similar concentrations as previous LTM rounds except for LF6LH-2. TKN was detected at LF6LH-2 with a concentration of 26 mg/L which is an increase from previous LTM rounds. Any trend at this location will be confirmed with additional annual LTM results.

The alkalinity and hardness concentrations were reported from 4.7 mg/L to 460 mg/L, and 9 mg/L to 2,700 mg/L, respectively. Alkalinity and hardness are important indicators of the plume extent because the landfill material tends to propagate microbial activity which generates carbon dioxide. This process increases the dissolution of minerals and alkalinity which increases hardness (Baedecker and Back, 1979). The highest hardness concentration was detected at surface water location (LF6LH-2), the highest concentration detected at a monitoring well was 550 mg/L (LF6MW-12). The alkalinity and hardness concentrations at monitoring wells in the Landfill 6 LTM Network showed sporadic trends as shown in Figure 6-5 (alkalinity) and 6-6 (hardness). There was an increase in hardness at surface water location LF6LH-2 which also showed an increase in TKN. However, additional annual LTM rounds will need to be conducted to confirm any trends.

For the June 2013 sampling round, hardness levels throughout the LTM network were similar to the levels measured in the background/upgradient wells. The concentrations of leachates indicators alkalinity and hardness are plotted in Figure 6-7.

MAROS Analysis

Utilizing the results of the LF009 Landfill 6 AOC LTM sampling rounds (June 2006 through June 2013) MAROS analysis was performed (See Table 6-3). Results of the evaluation confirmed no trend for alkalinity concentrations, an increasing trend for hardness concentrations,

an increasing trend/ stable trend for nitrate concentrations, and a stable to no trend TOC concentrations.

Based on the results of over 50% of the tail monitoring wells, the evaluation confirmed a stable to decreasing trend for alkalinity concentrations, a decreasing to no trend for hardness concentrations, an increasing to no trend for nitrate concentrations, and a stable to no trend for TOC concentrations (Appendix E).

6.3 LTM OPTIMIZATION RECOMMENDATIONS

Based on the latest LTM results, the current scope of semiannual landfill cap inspections, annual groundwater sampling, and annual surface water sampling will continue. However, it is recommended that landfill gas monitoring be optimized from semiannual to annual as a result of the site-wide stabilization of methane concentrations at Landfill 6. Please refer to Table 6-4 for the summary of the Landfill 6 AOC LTM Network. All previous LTM Network optimization is provided in Table 6-5.

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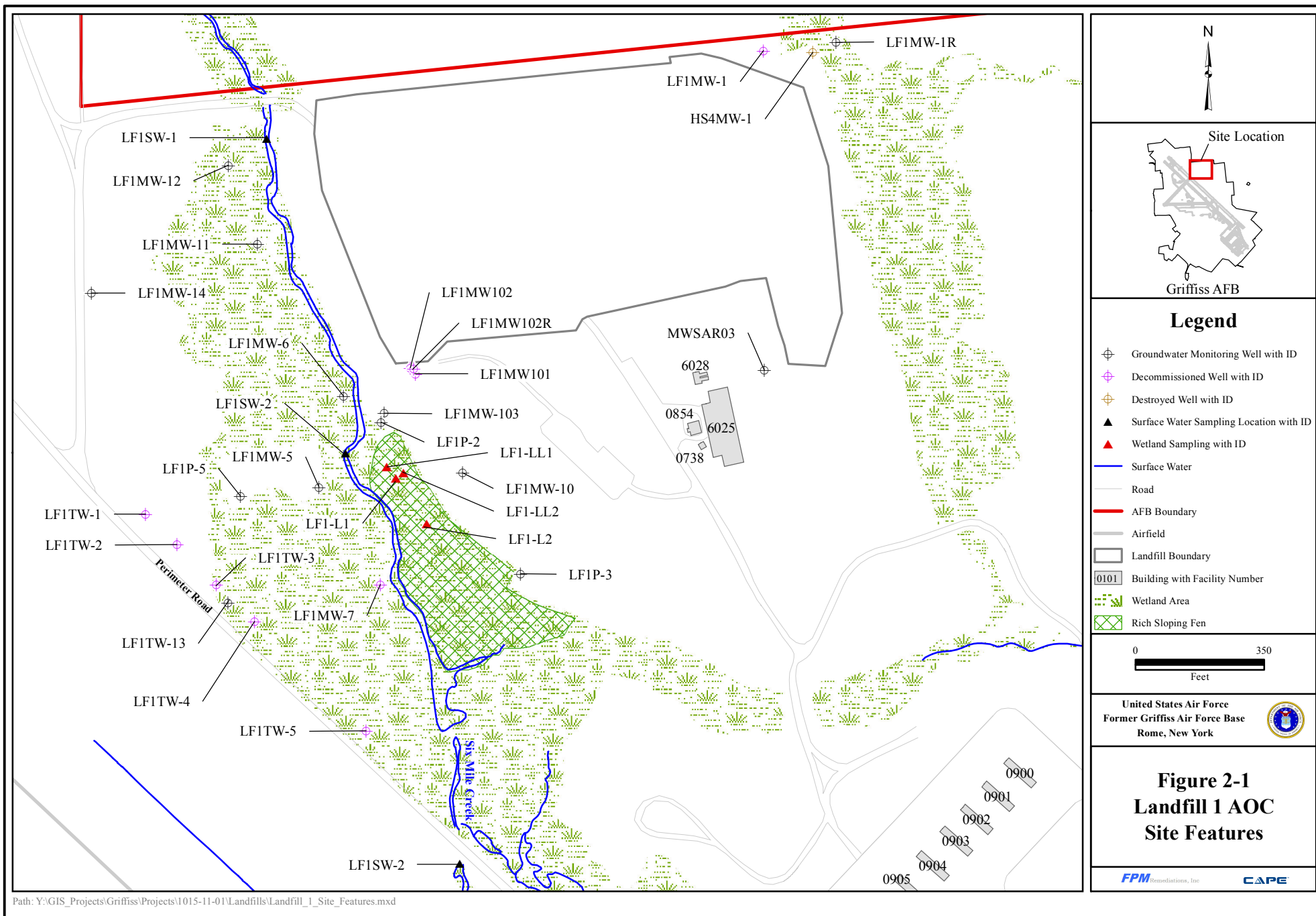
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FIGURES

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N

Site Location

Griffiss AFB

Legend

- Groundwater Monitoring Well with ID
- Decommissioned Well with ID
- Destroyed Well with ID
- Surface Water Sampling Location with ID
- Wetland Sampling with ID
- Surface Water
- Road
- AFB Boundary
- Airfield
- Landfill Boundary
- Building with Facility Number
- Wetland Area
- Rich Sloping Fen

0 350

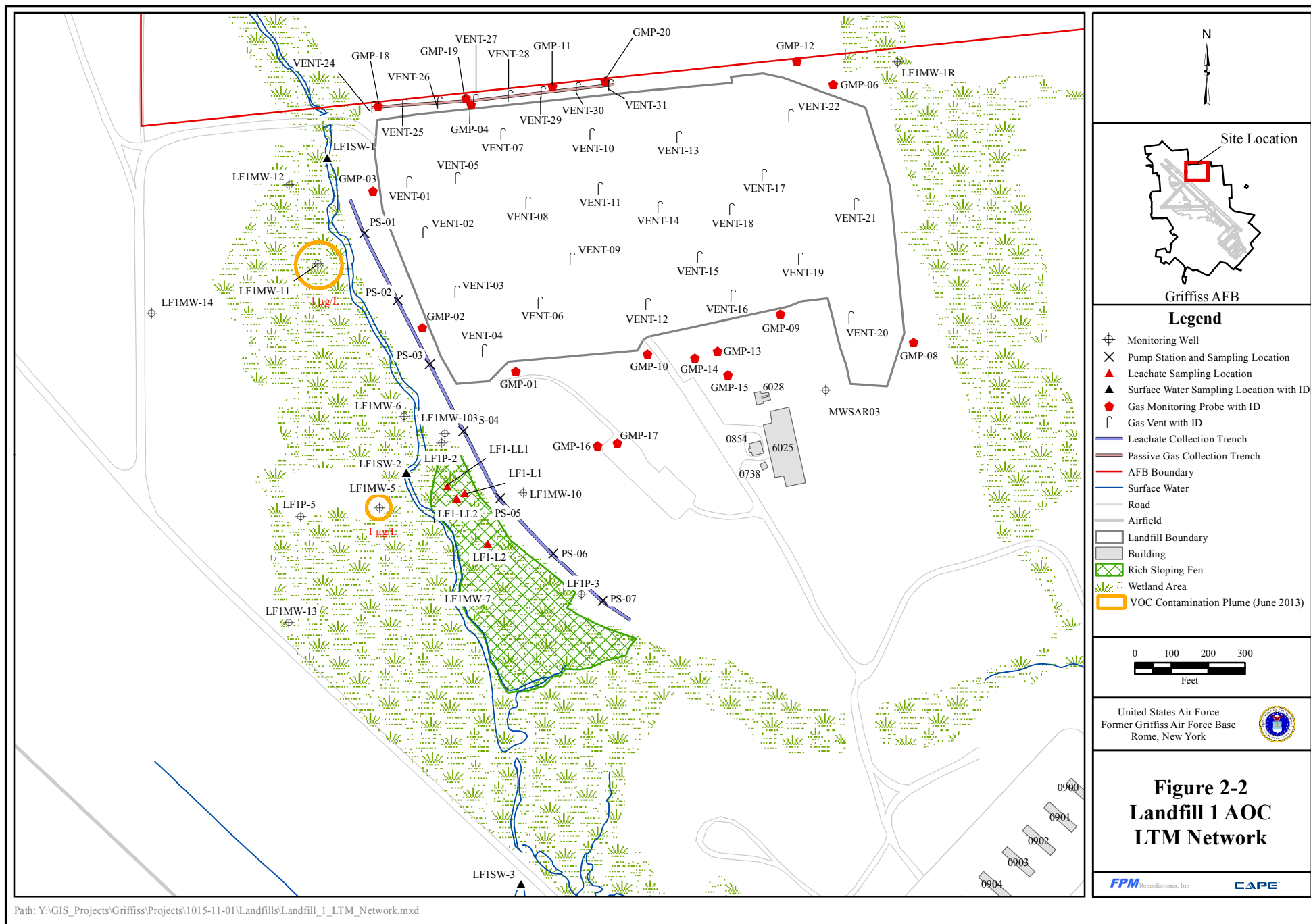
Feet

United States Air Force
Former Griffiss Air Force Base
Rome, New York

Figure 2-1 Landfill 1 AOC Site Features

FPM Remediations, Inc.

CAPE



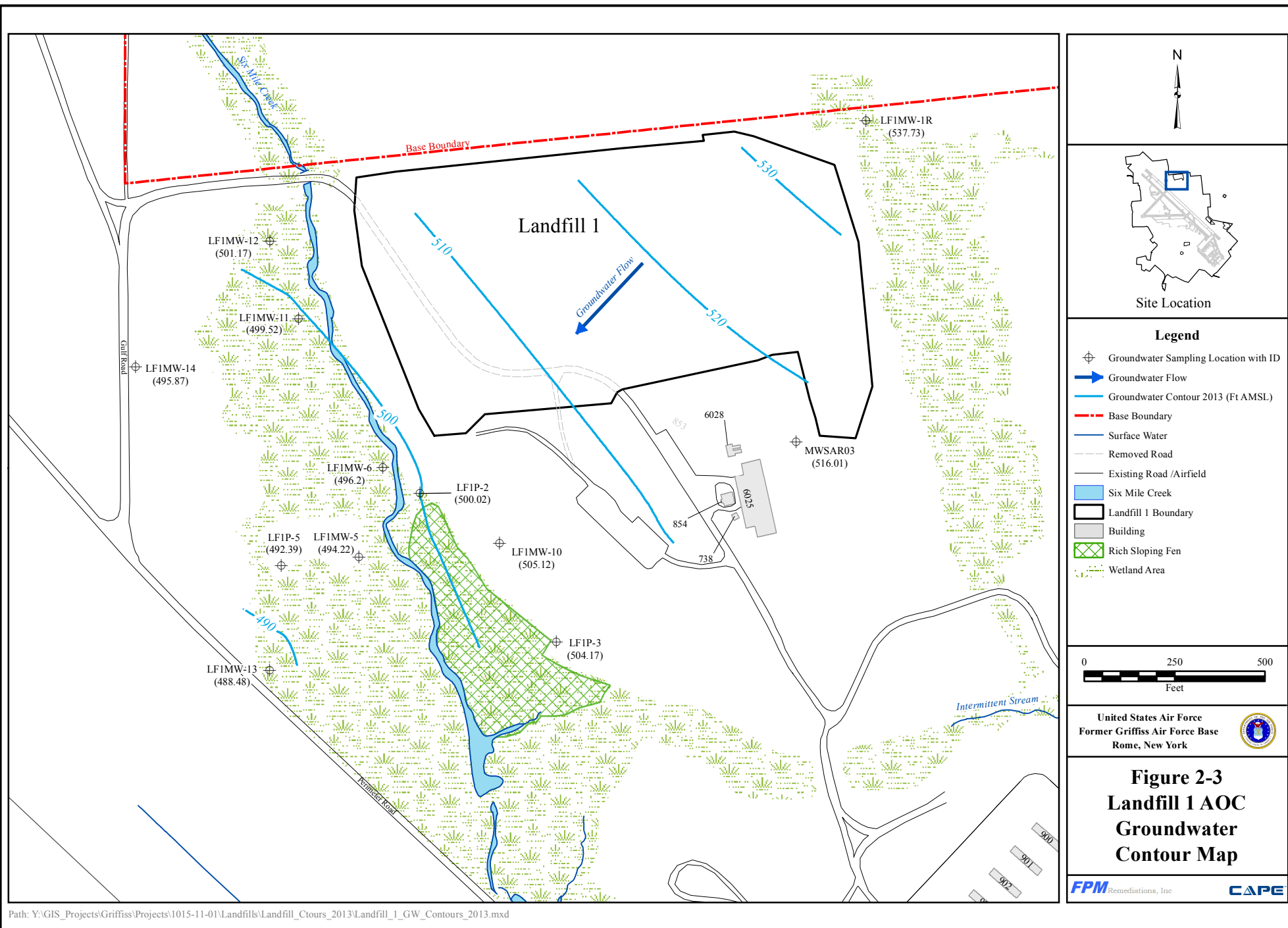


Figure 2-4
Landfill 1 AOC Total VOC Concentration Trends

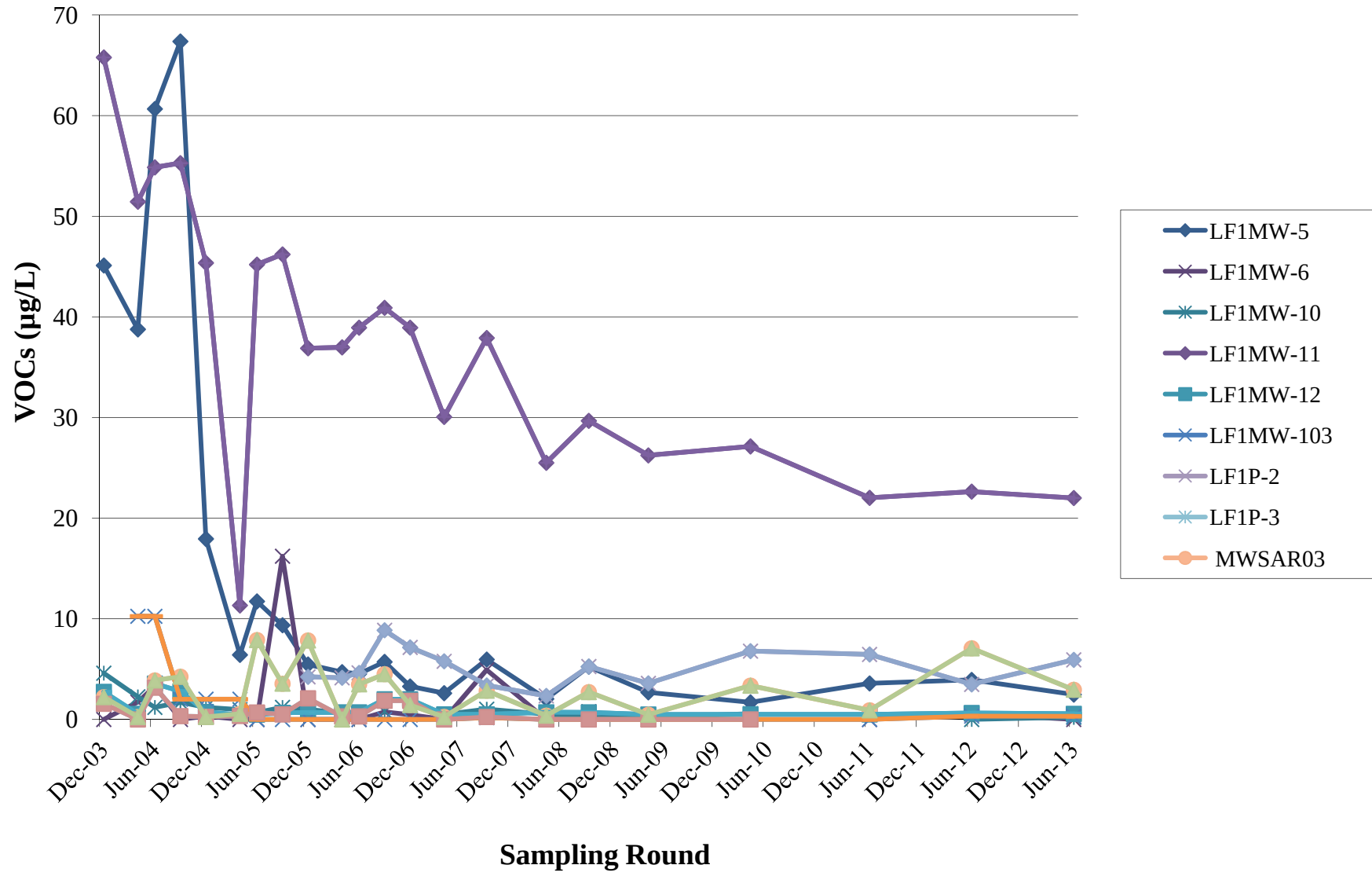


Figure 2-5
Landfill 1 AOC Alkalinity Concentration Trends

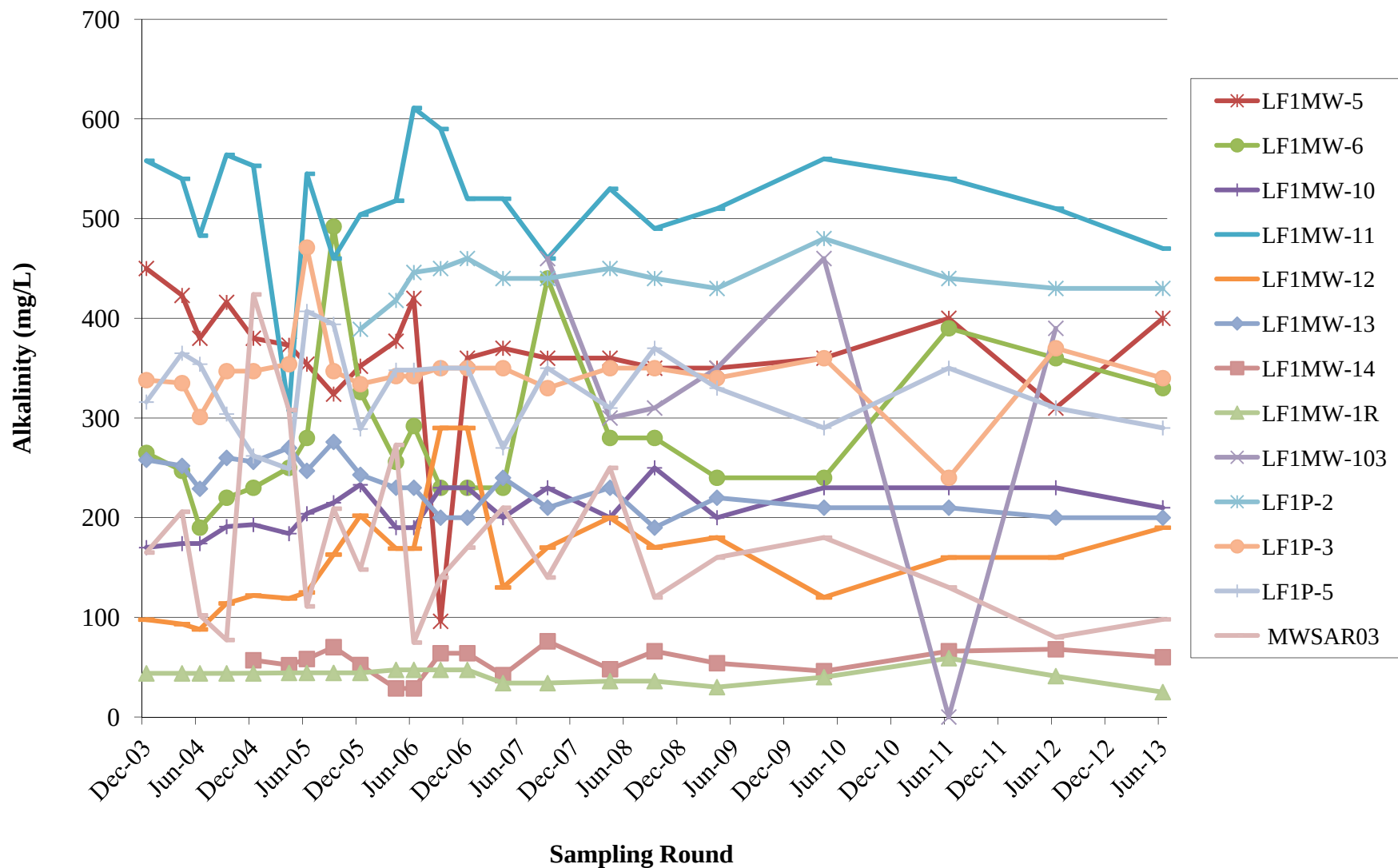


Figure 2-6
Landfill 1 AOC Hardness Concentration Trends

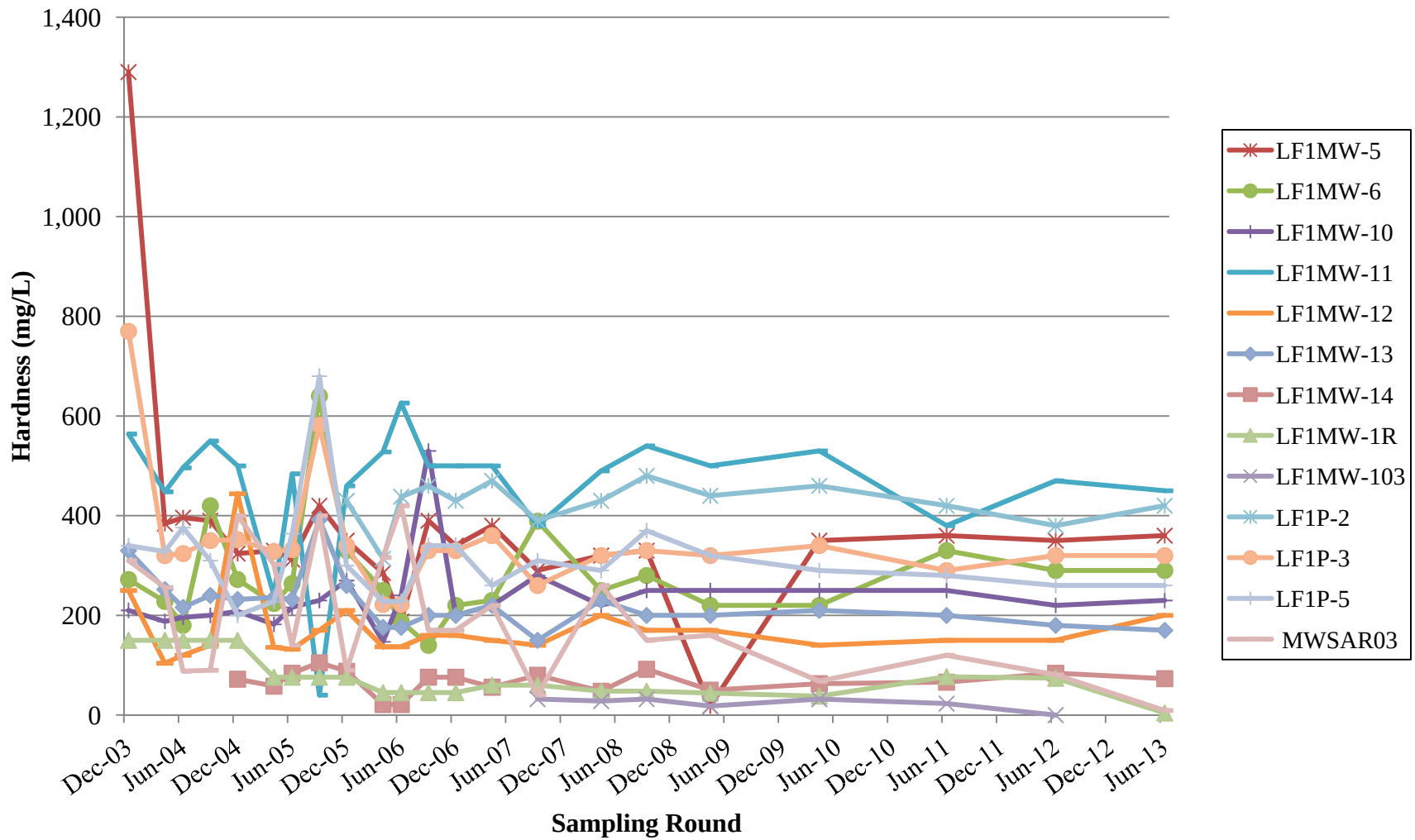
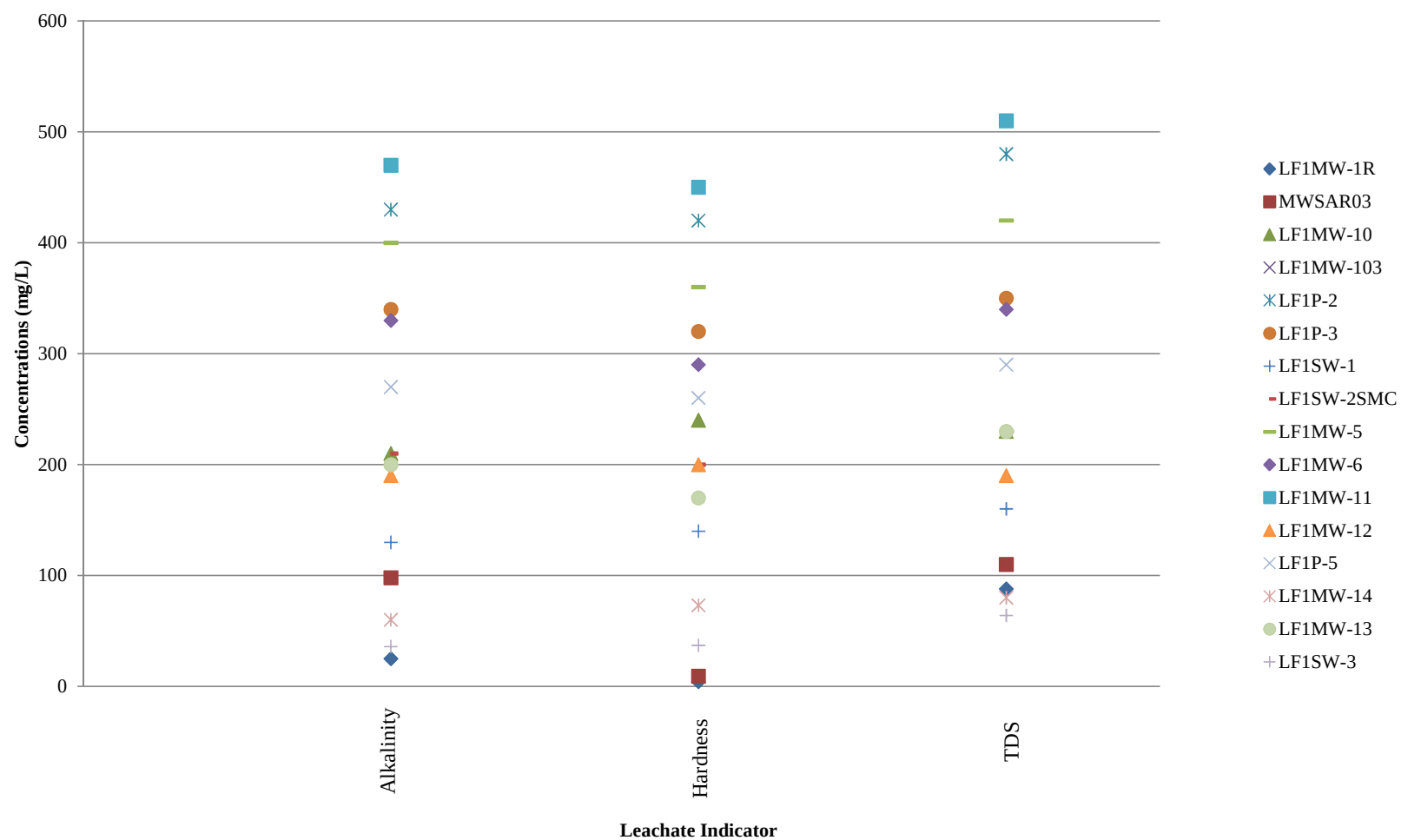
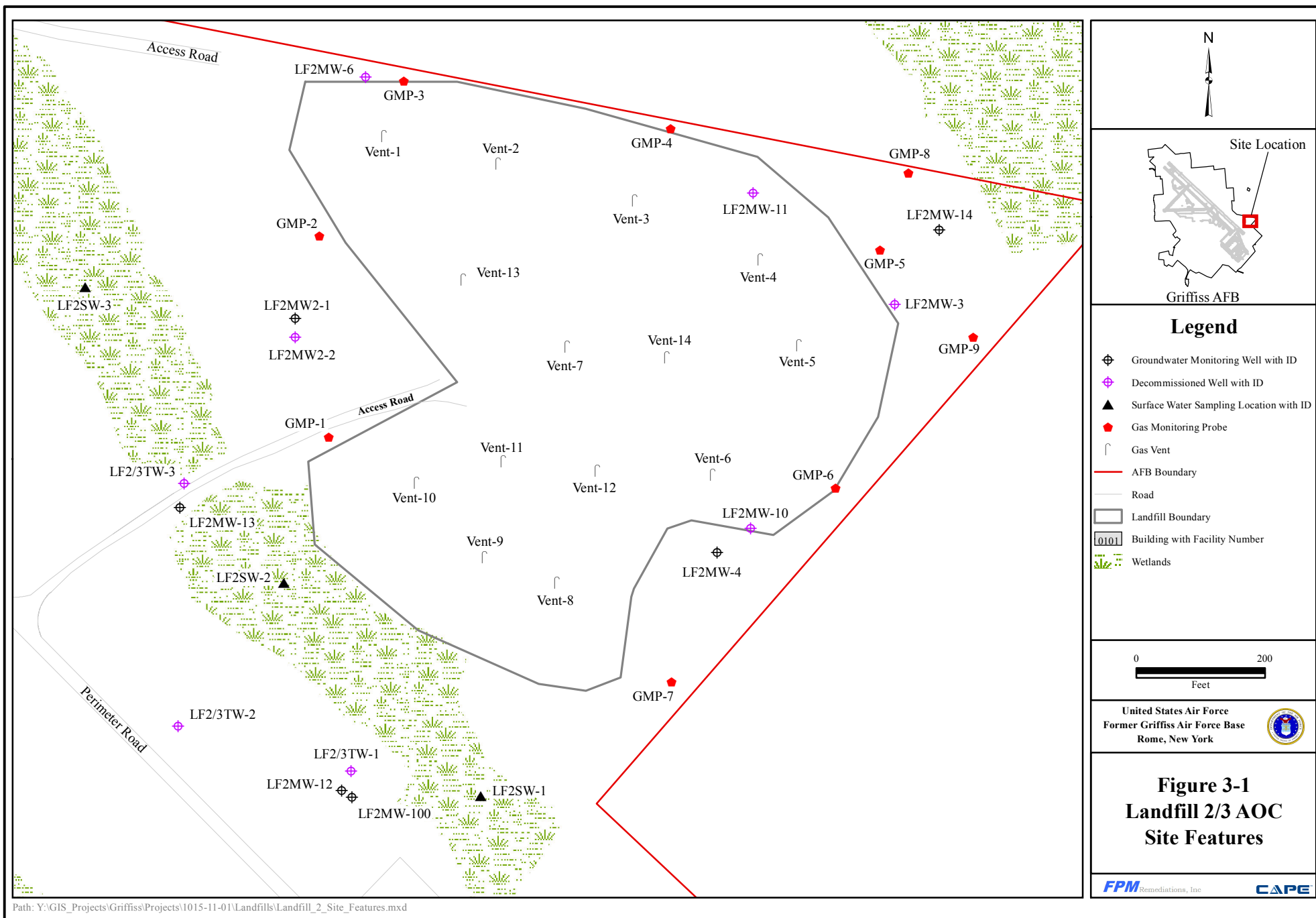
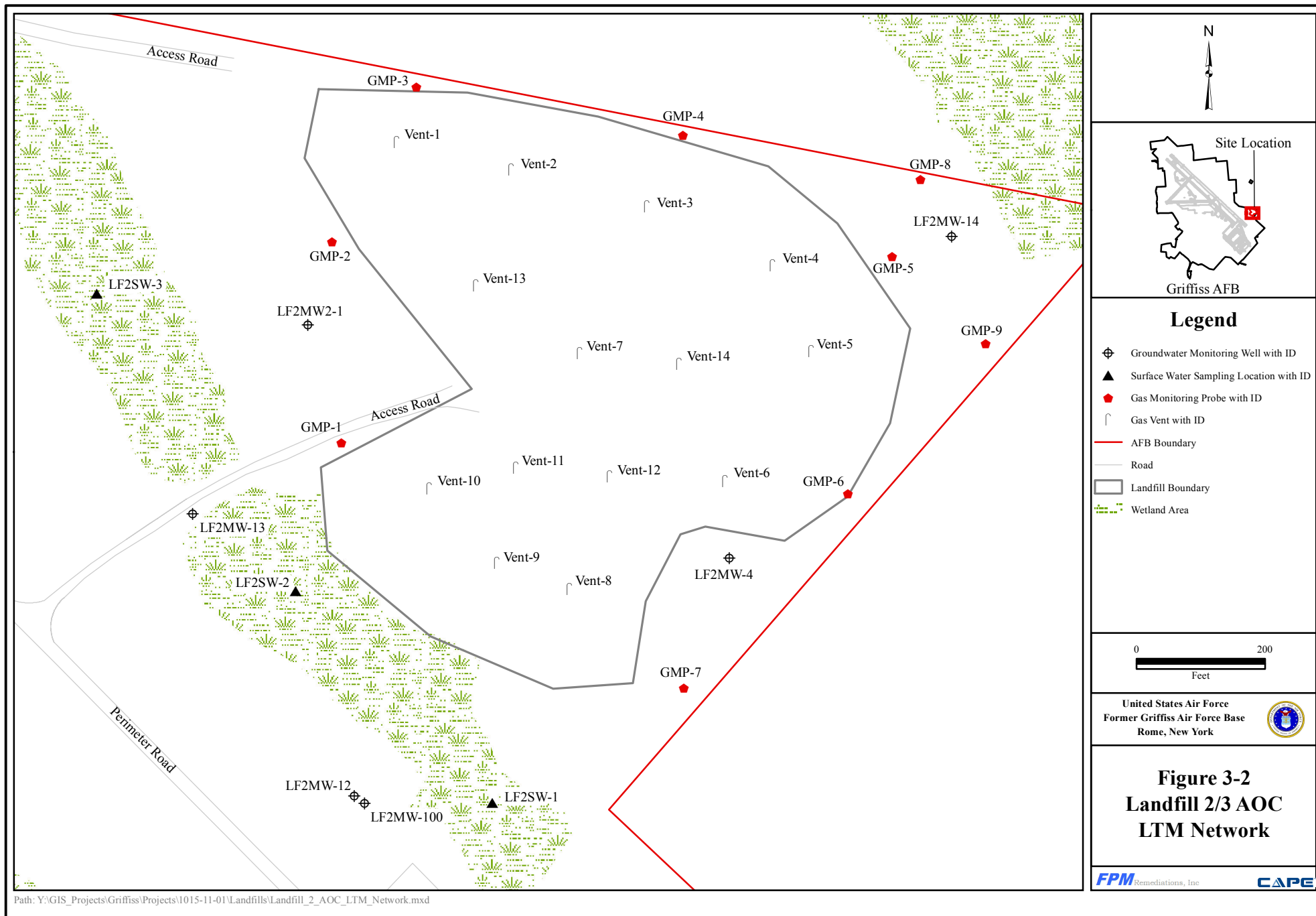


Figure 2-7
Landfill 1 AOC Leachate Indicator Concentrations (2013)







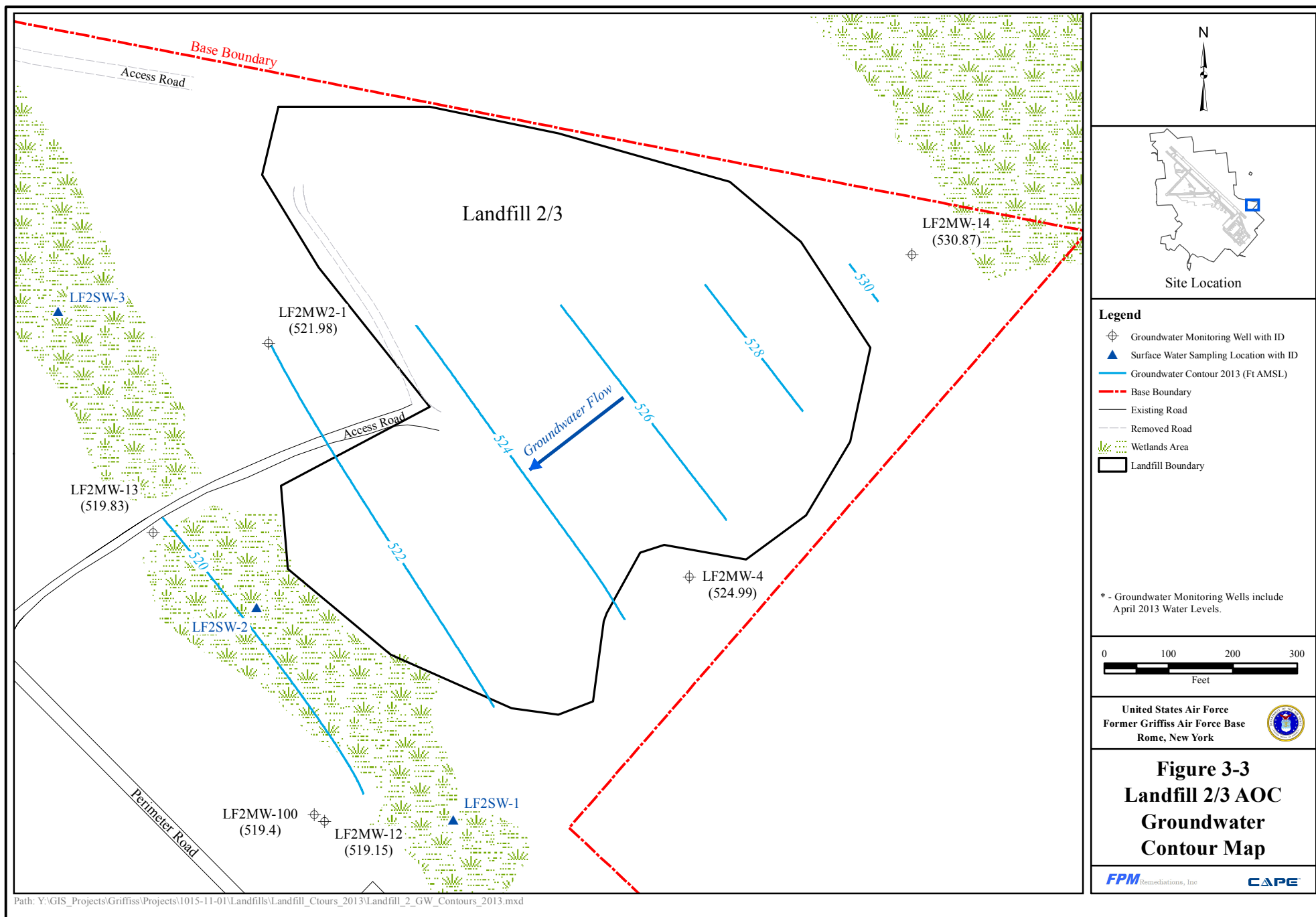


Figure 3-4
Landfill 2/3 AOC Alkalinity Concentration Trends

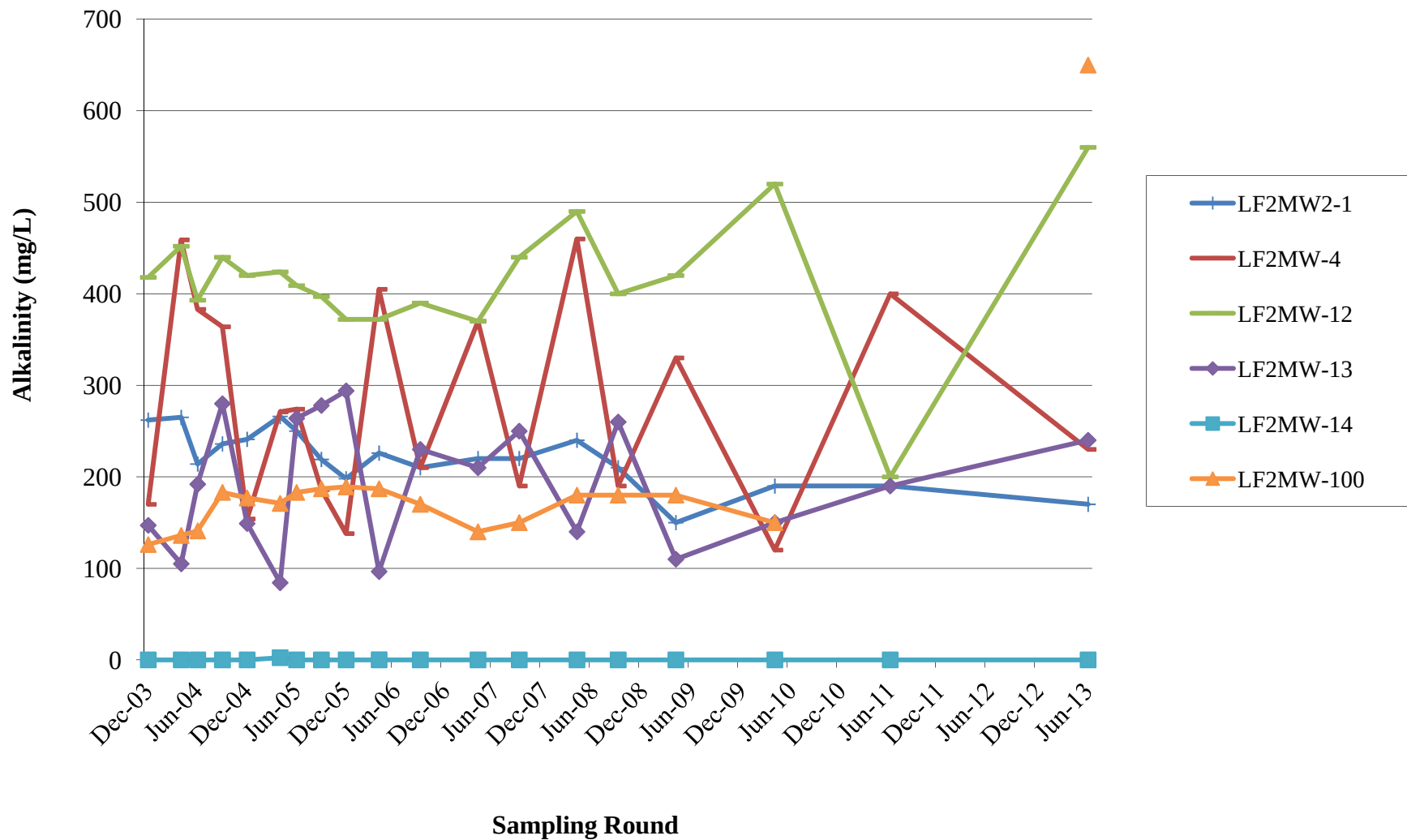


Figure 3-5
Landfill 2/3 AOC Hardness Concentration Trends

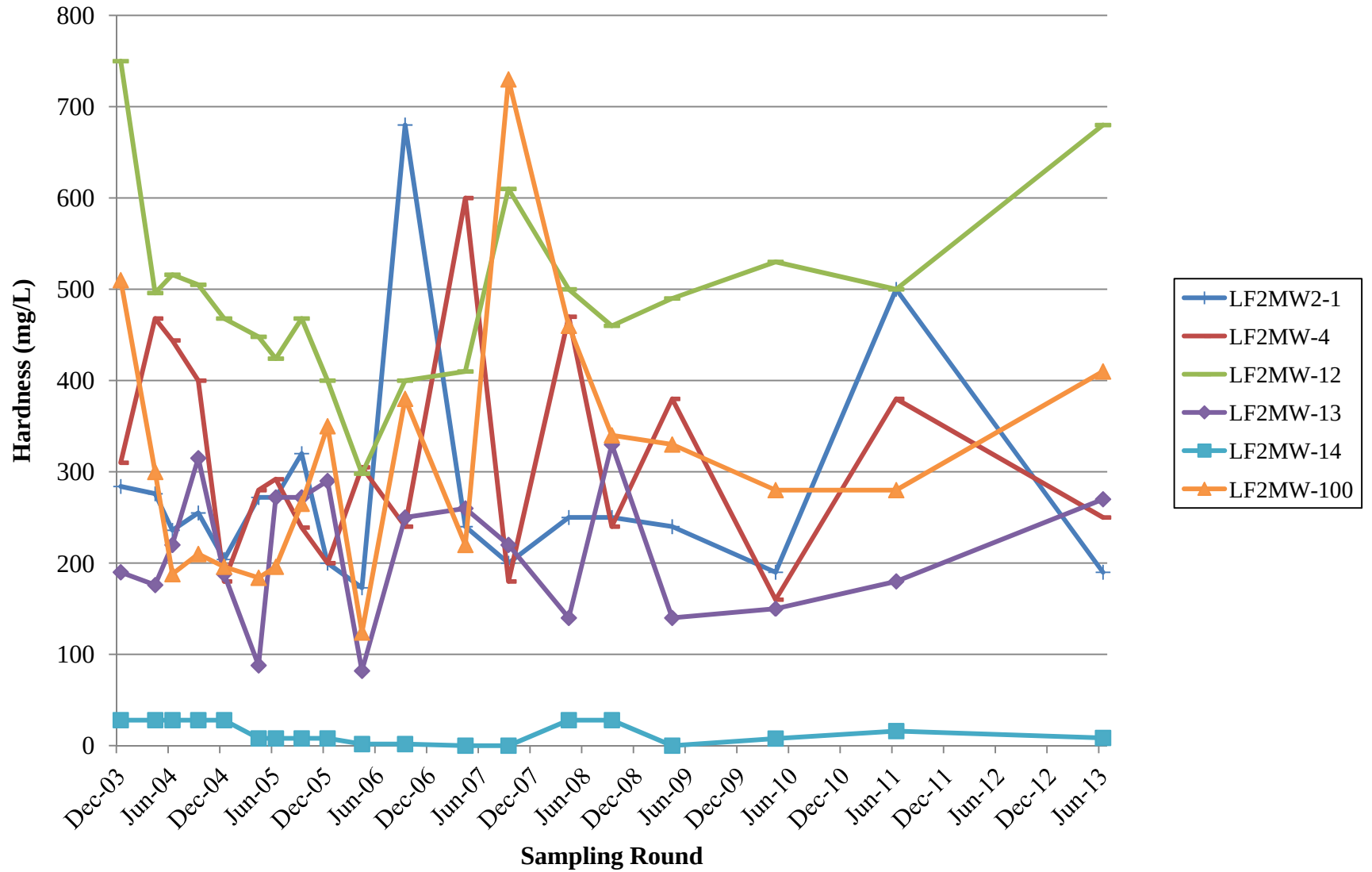
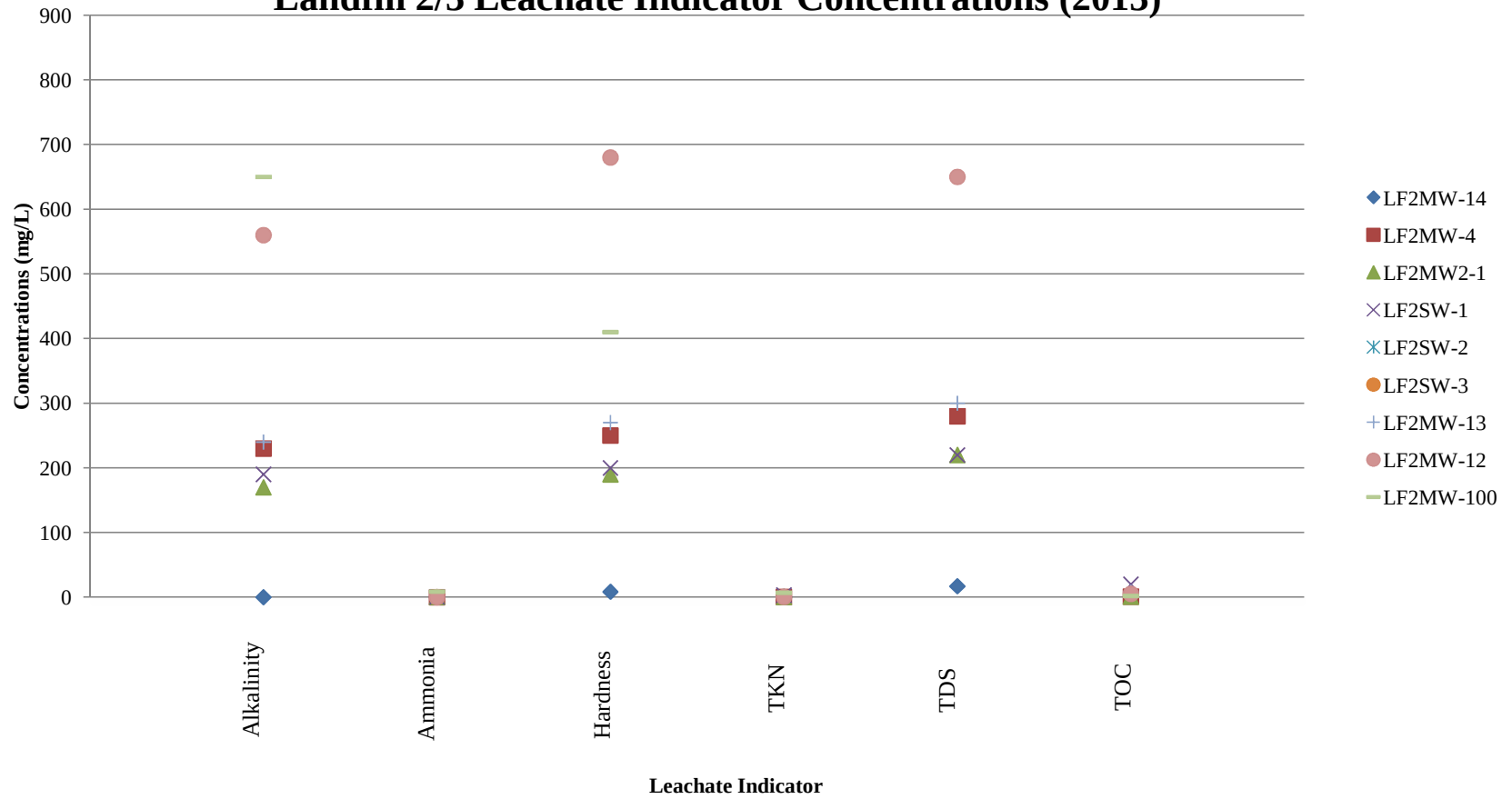
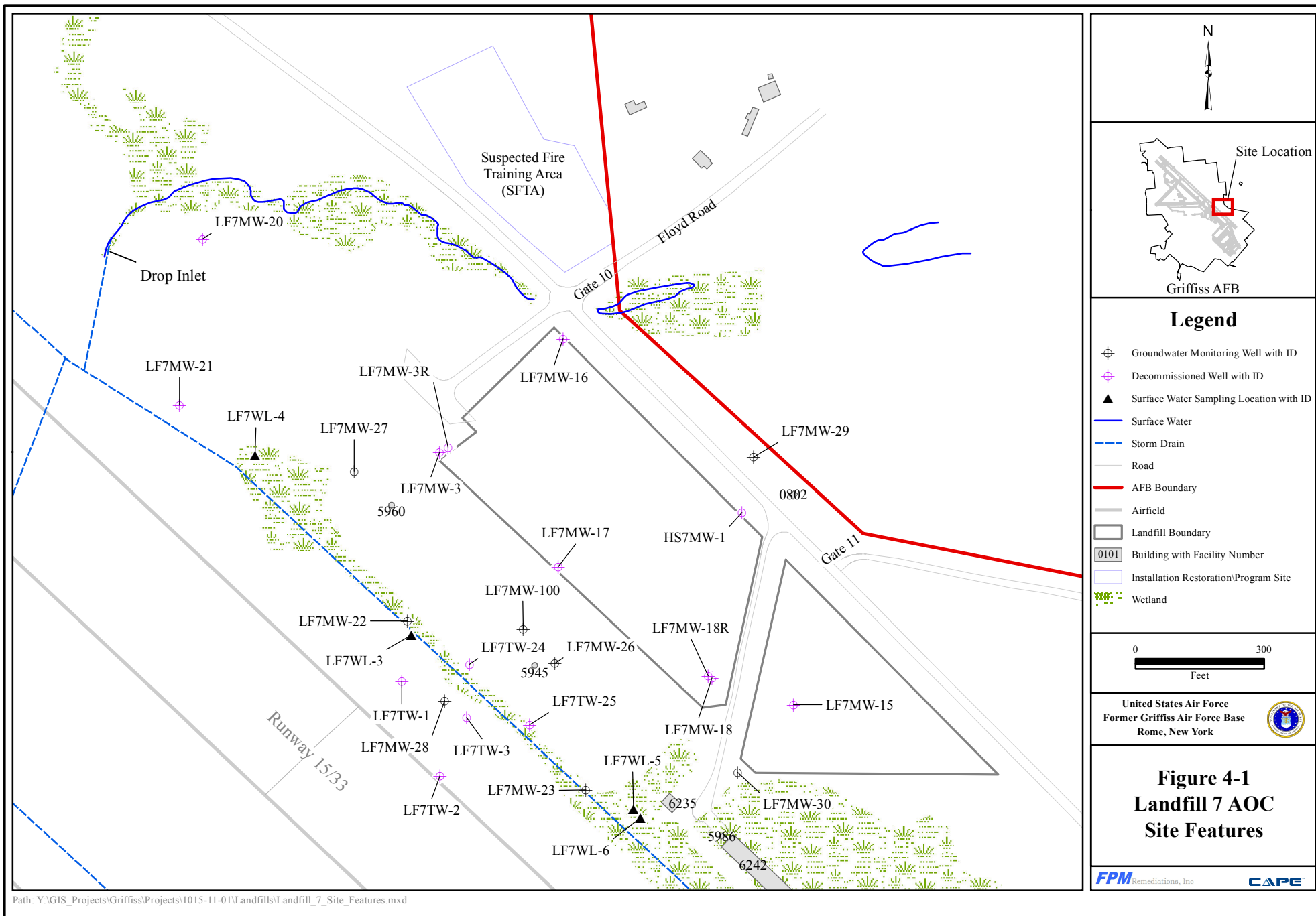
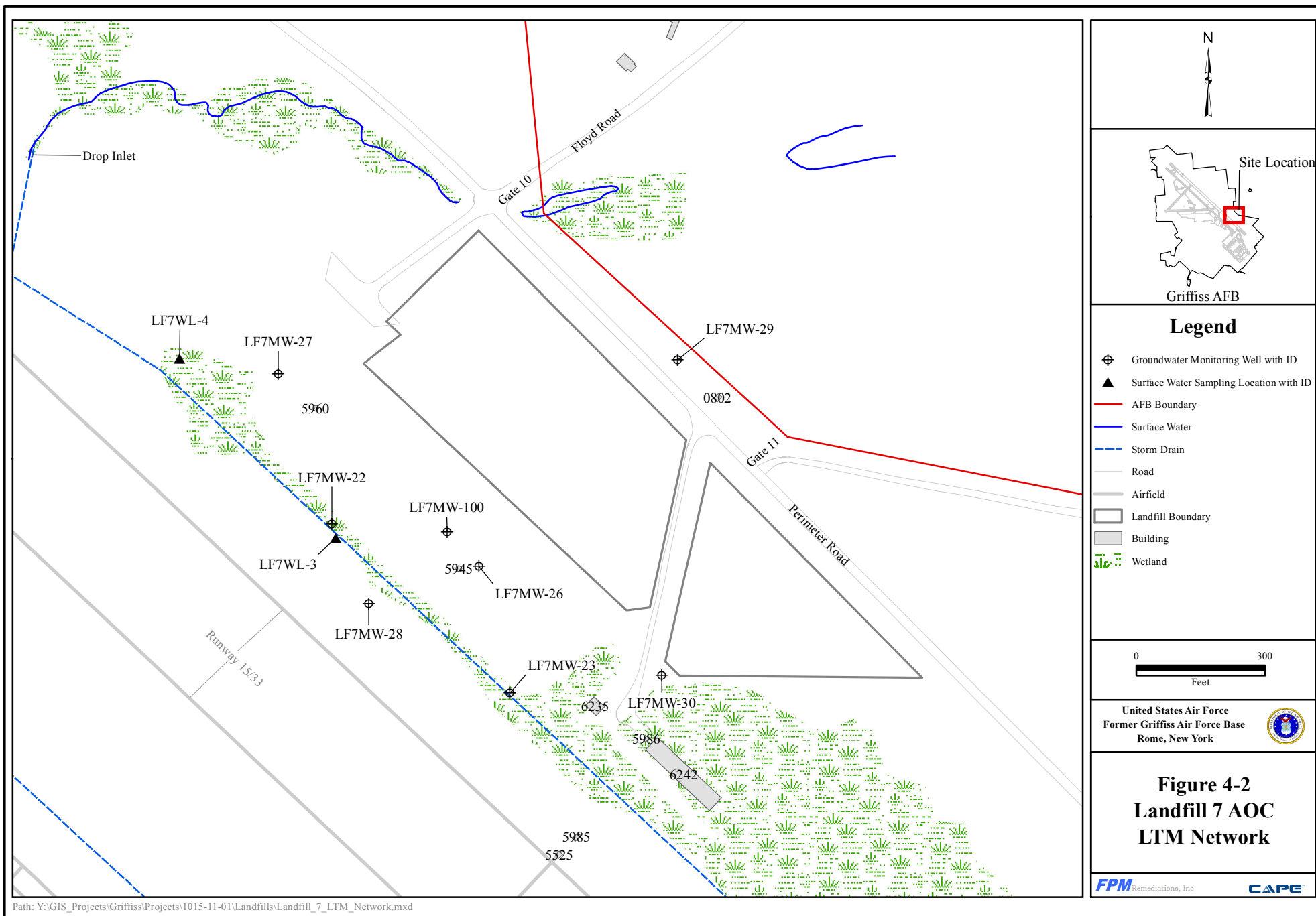
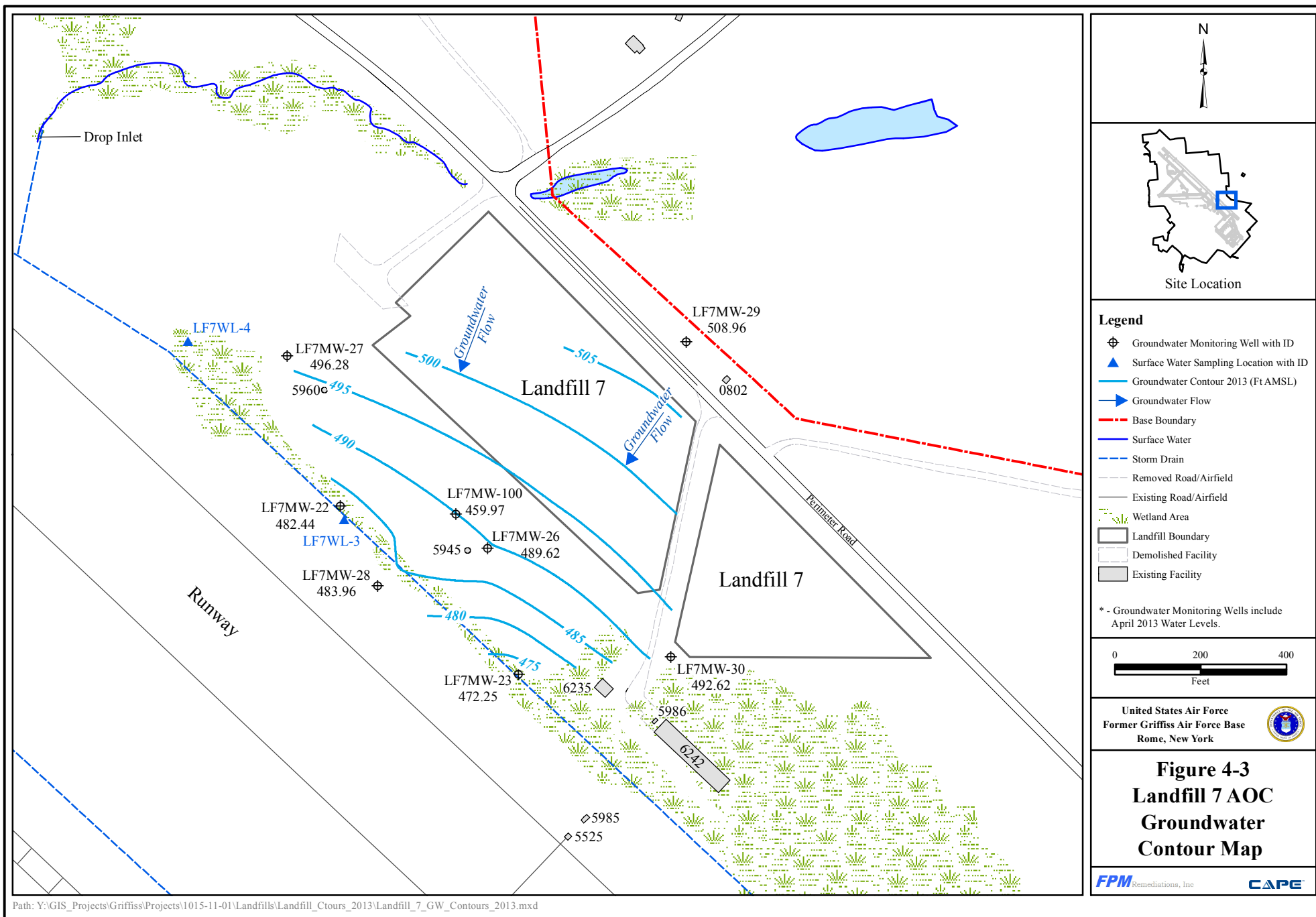


Figure 3-6
Landfill 2/3 Leachate Indicator Concentrations (2013)









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Figure 4-4
Landfill 7 AOC Alkalinity Concentration Trends

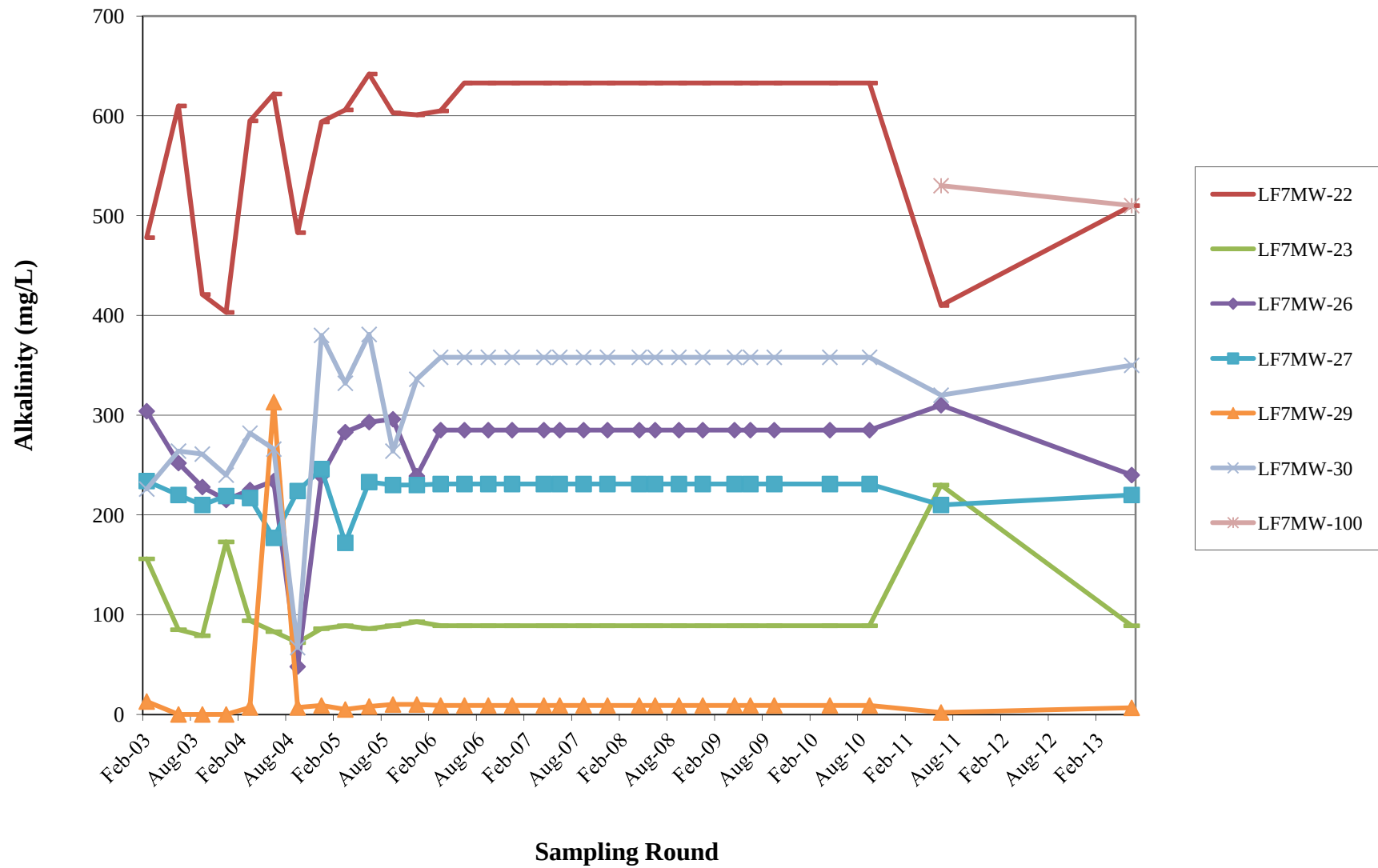


Figure 4-5
Landfill 7 AOC Hardness Concentration Trends

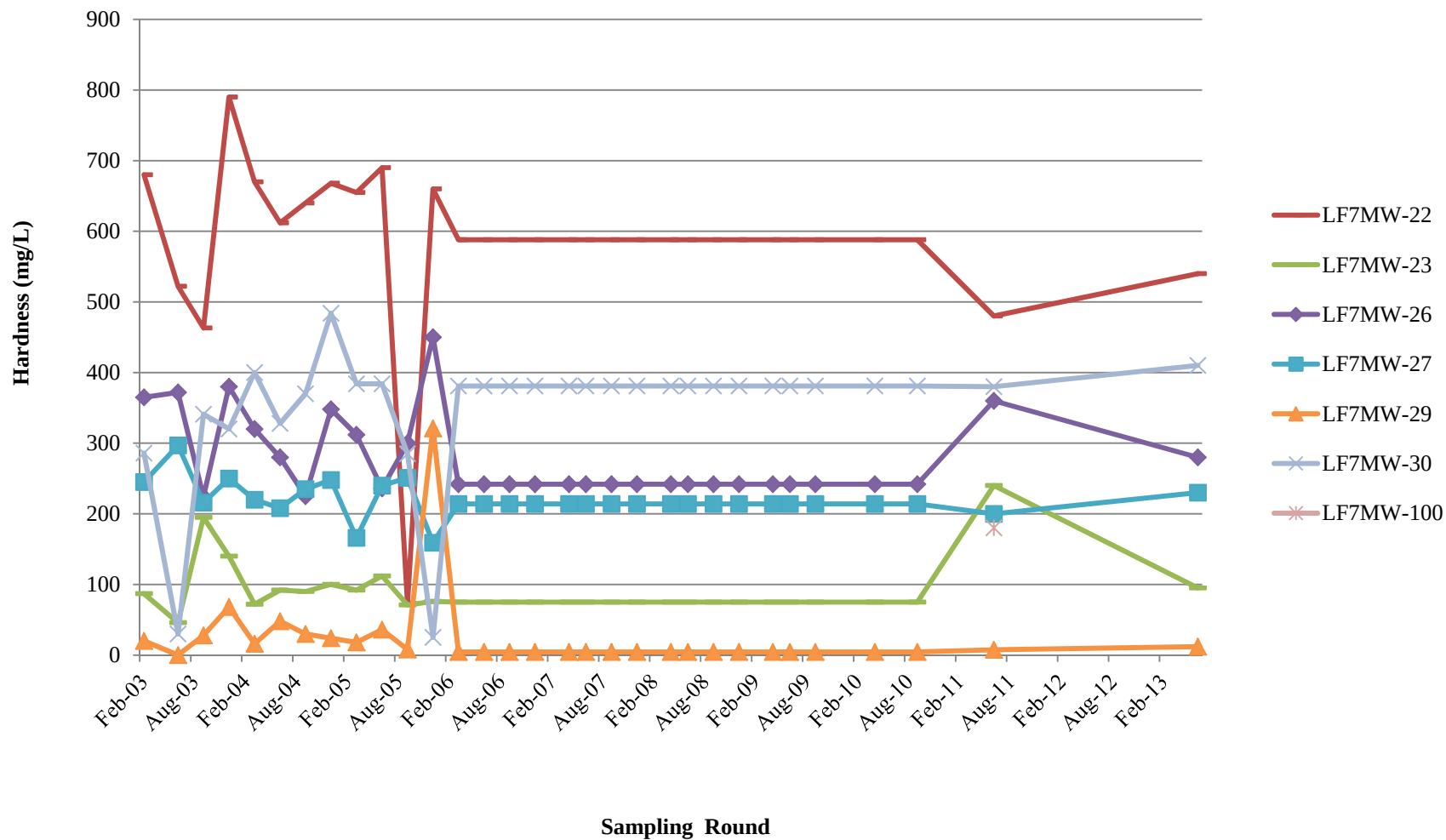
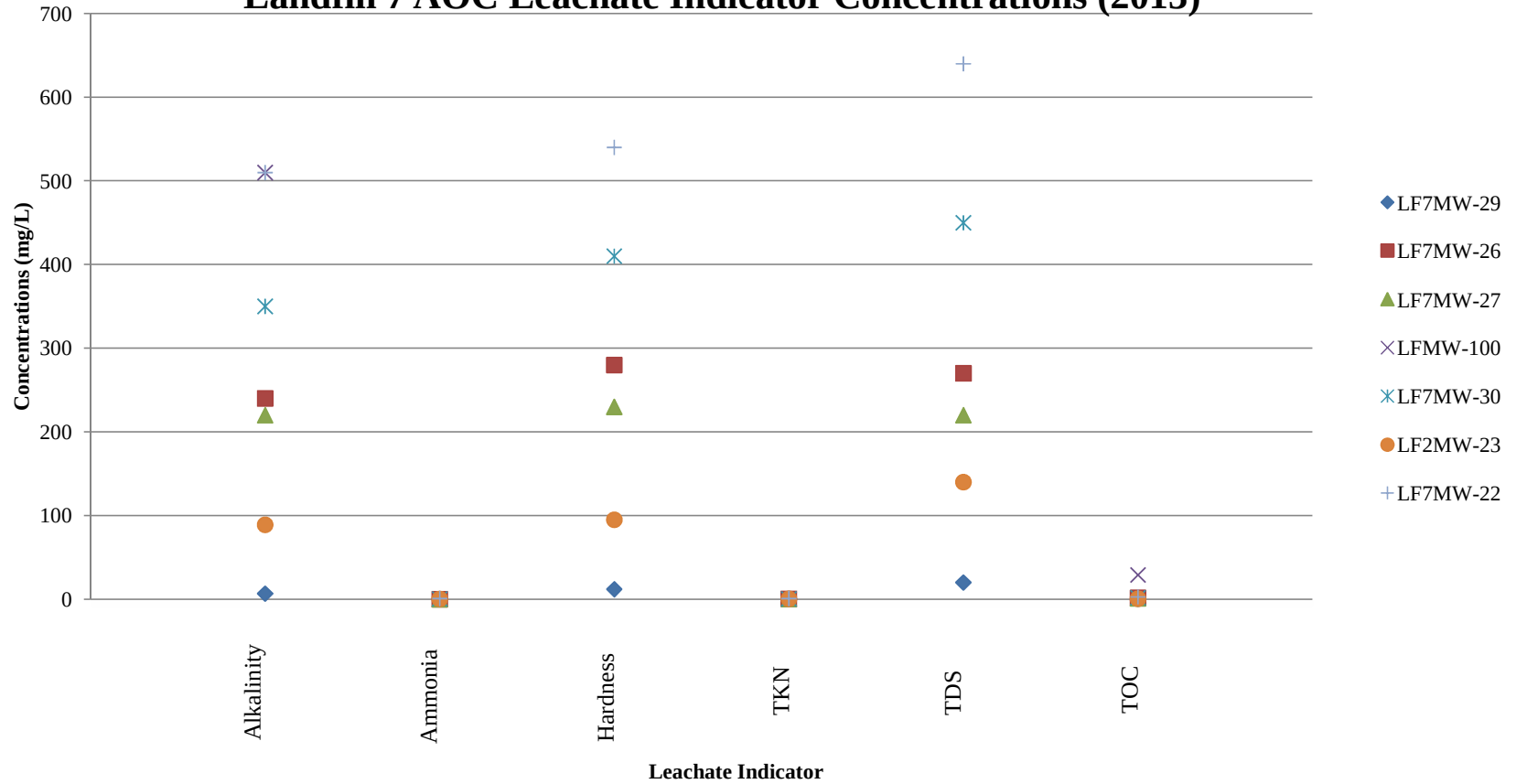
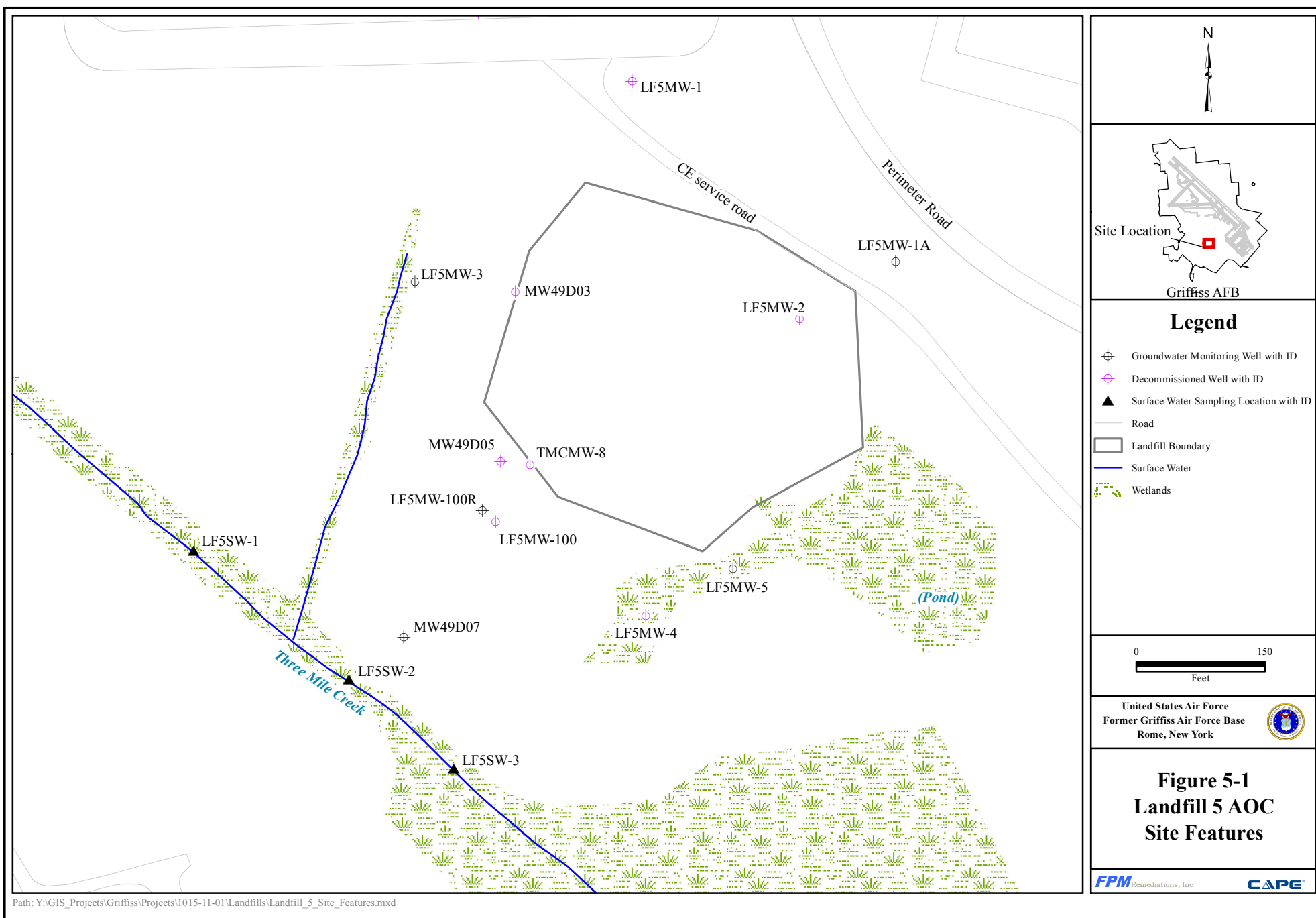
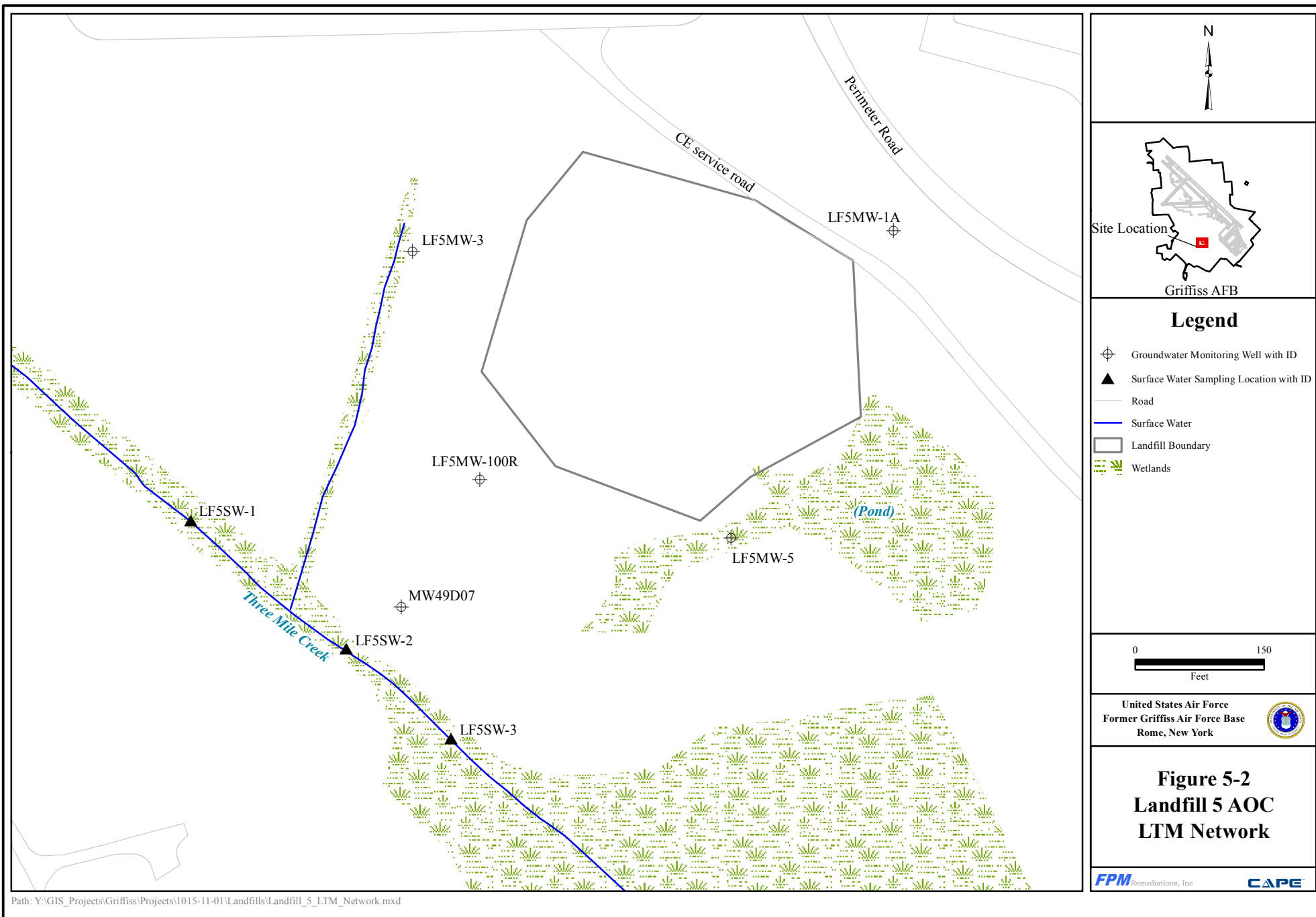


Figure 4-6
Landfill 7 AOC Leachate Indicator Concentrations (2013)







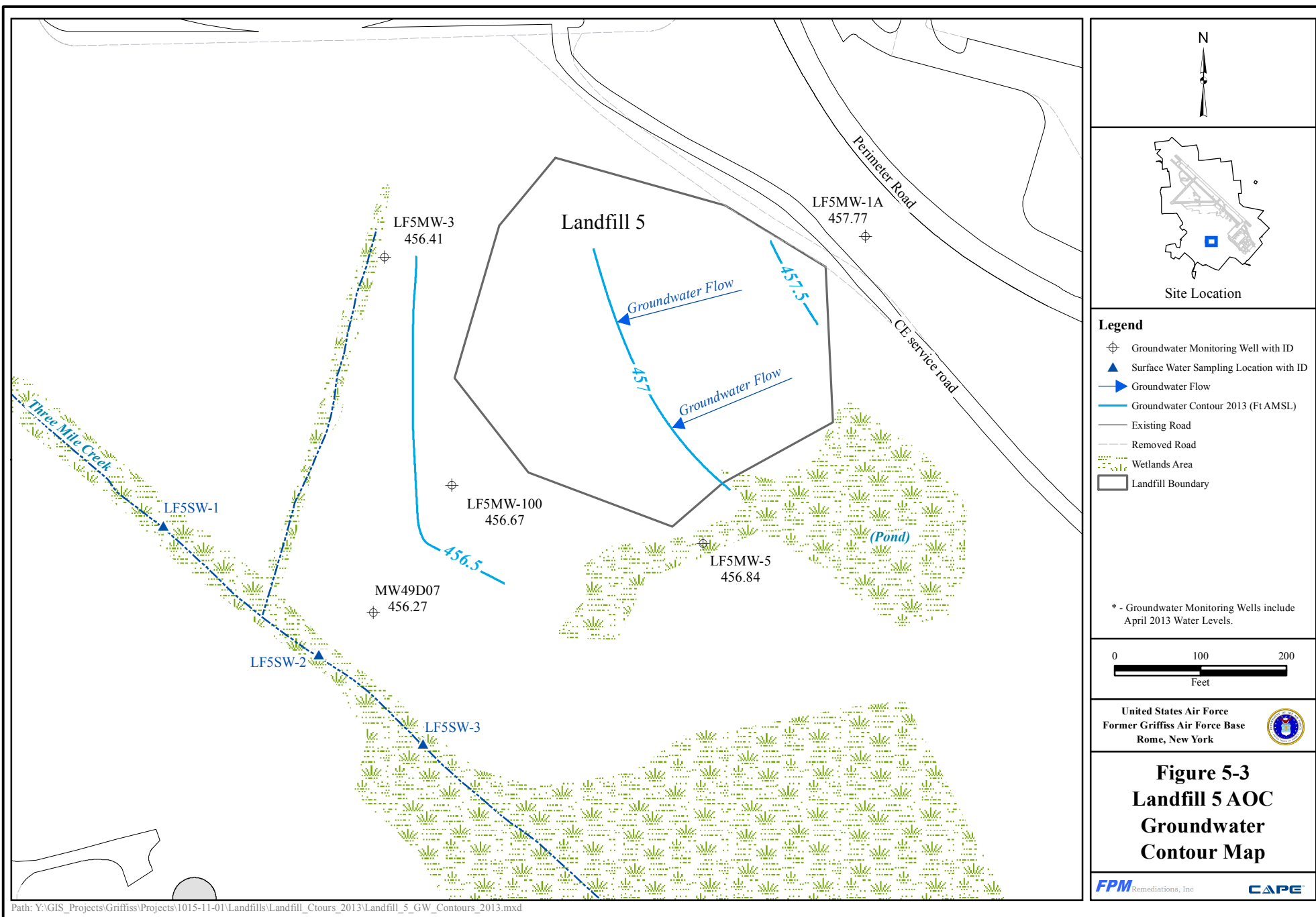


Figure 5-4
Landfill 5 AOC Alkalinity Concentration Trends

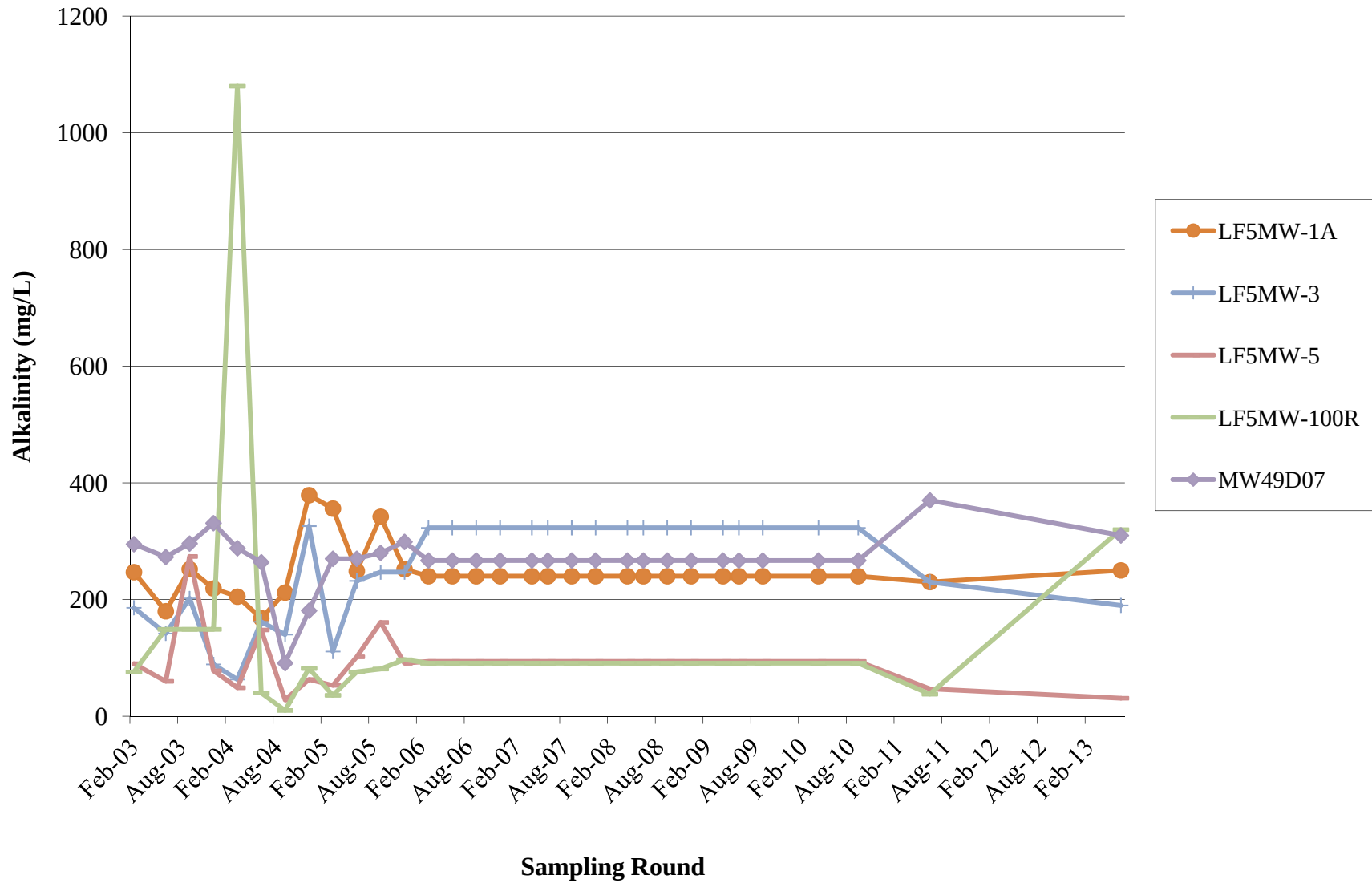


Figure 5-5
Landfill 5 AOC Hardness Concentration Trends

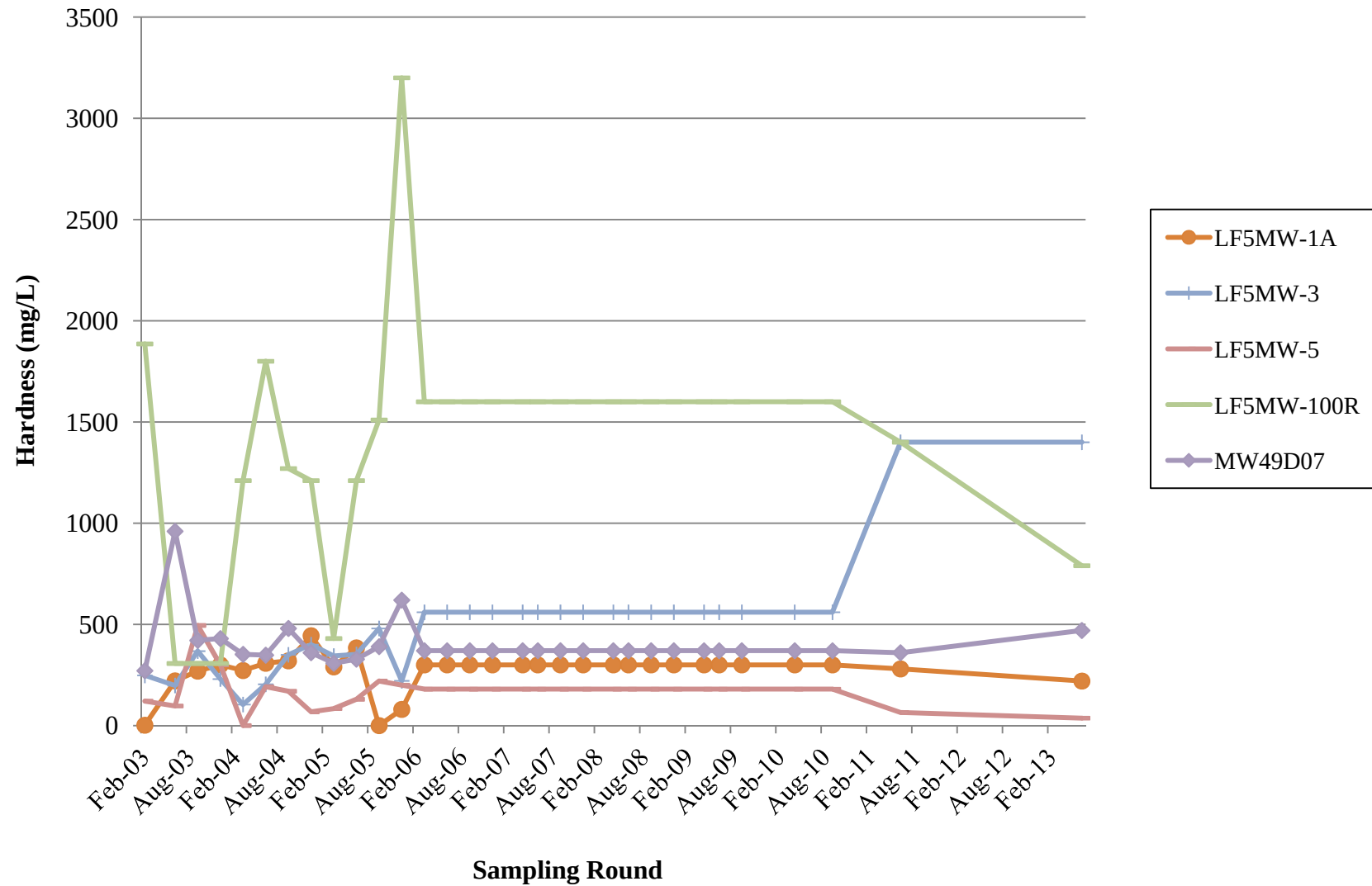
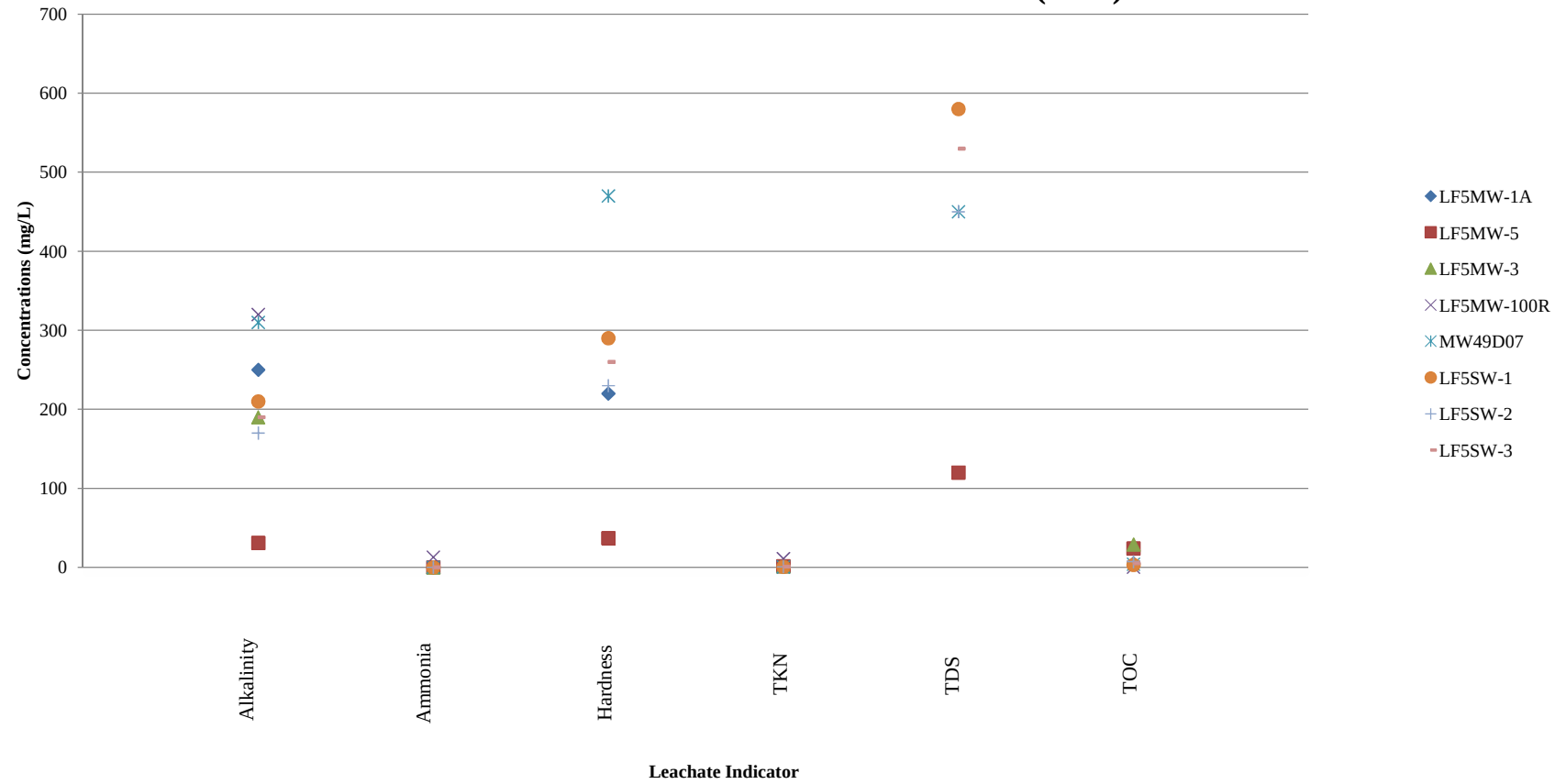
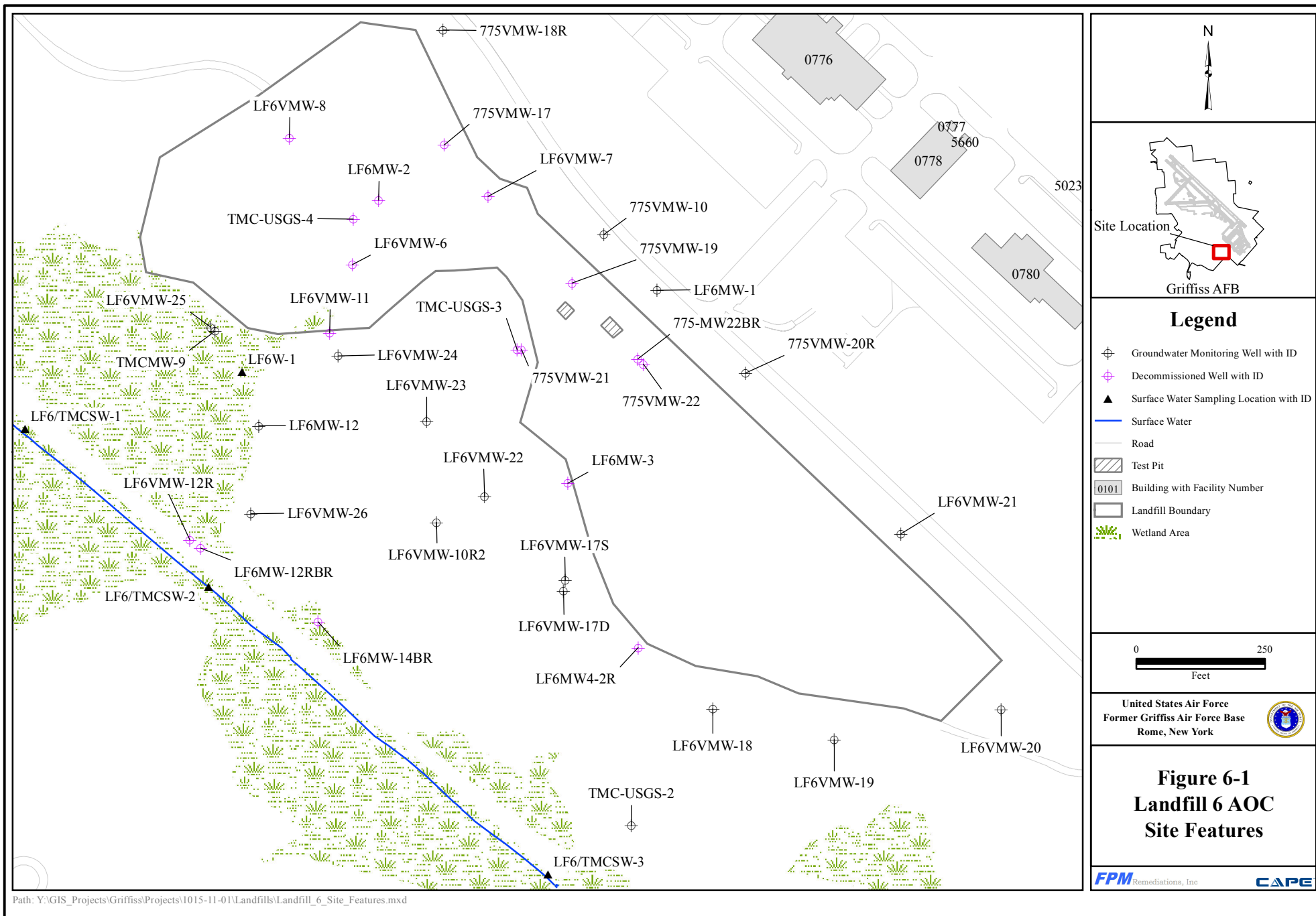
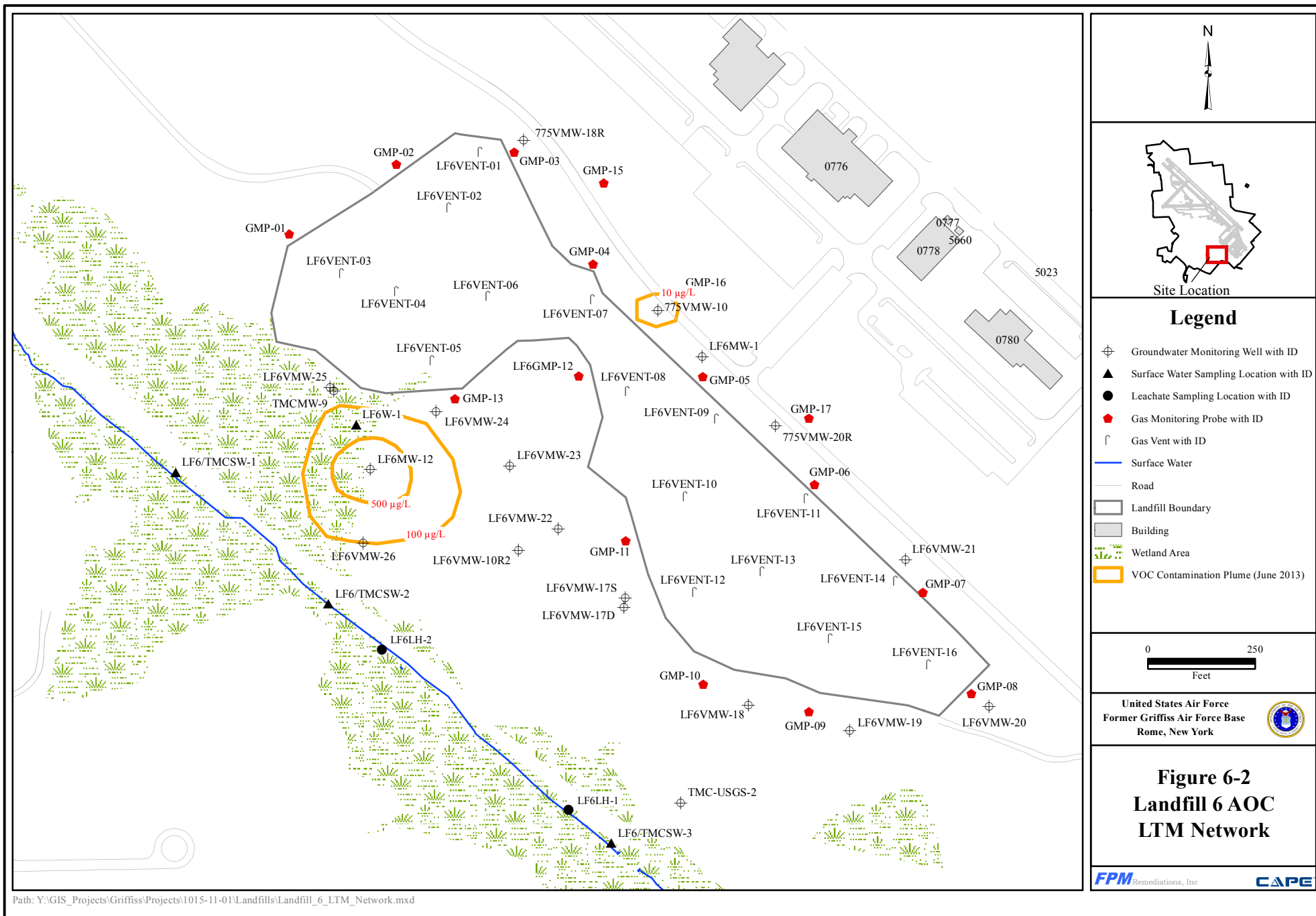


Figure 5-6
Landfill 5 AOC Leachate Indicator Concentrations (2013)







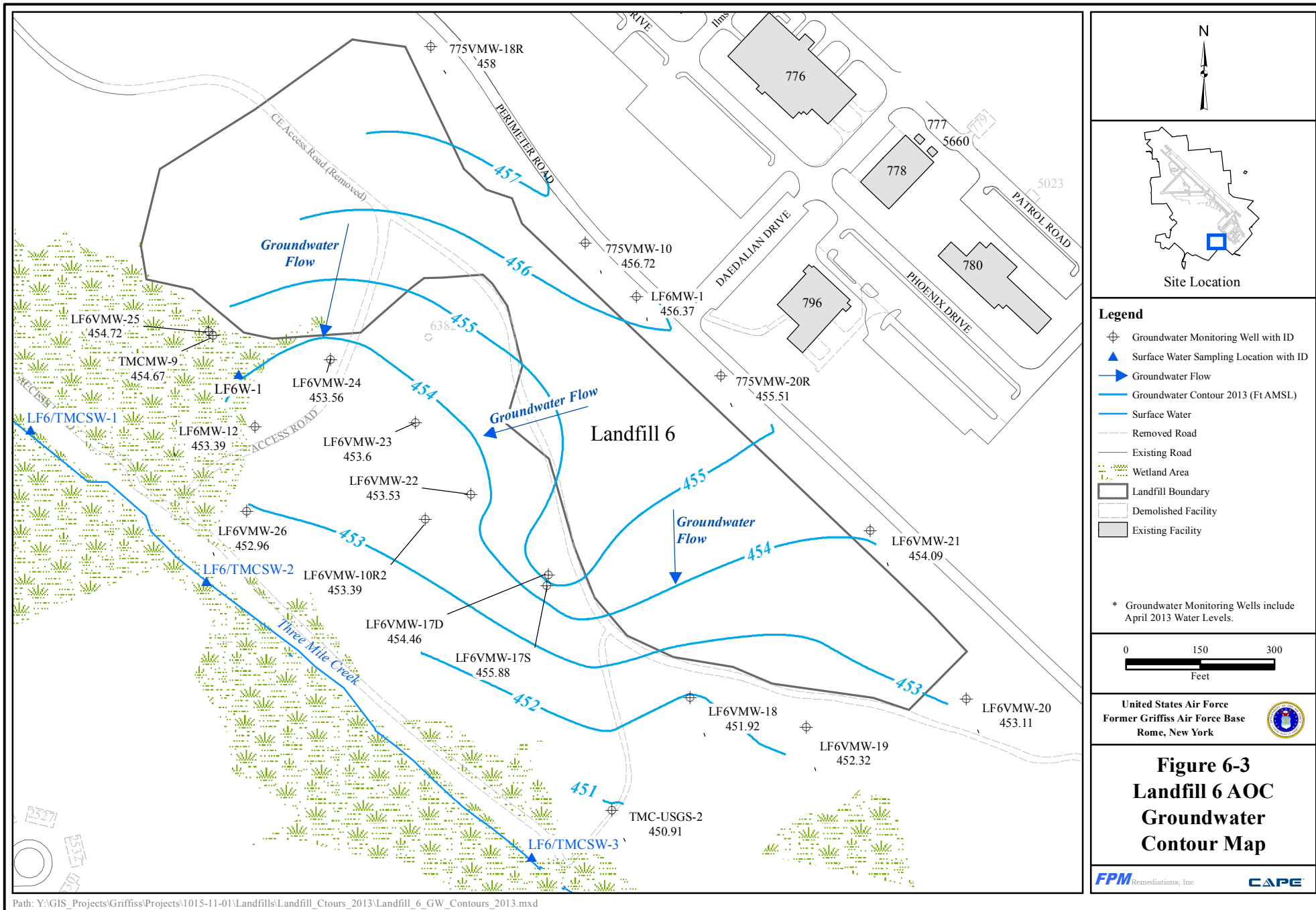


Figure 6-4
Landfill 6 AOC Total VOC Concentration Trends

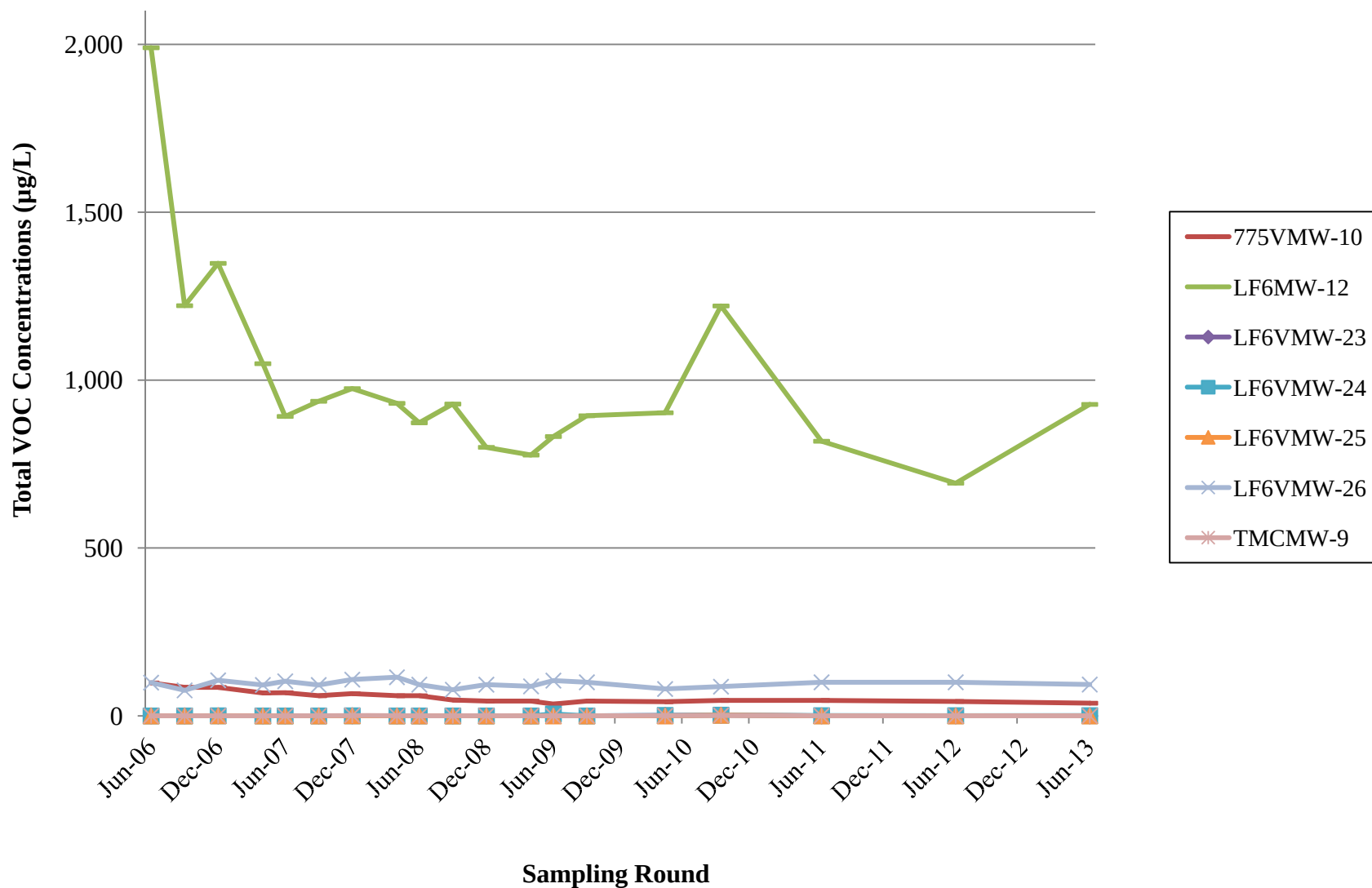


Figure 6-5
Landfill 6 AOC Alkalinity Concentration Trends

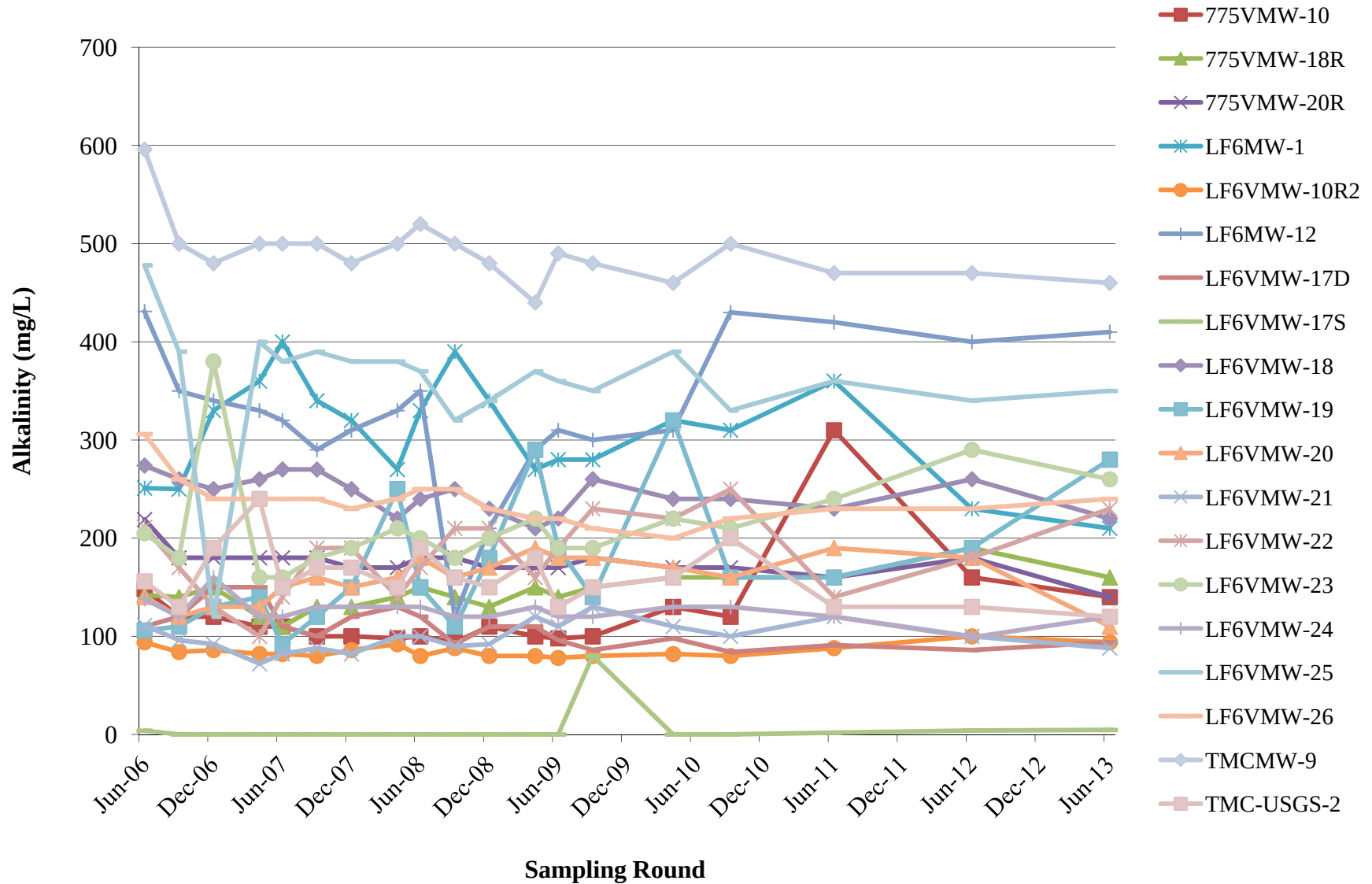


Figure 6-6
Landfill 6 AOC Hardness Concentration Trends

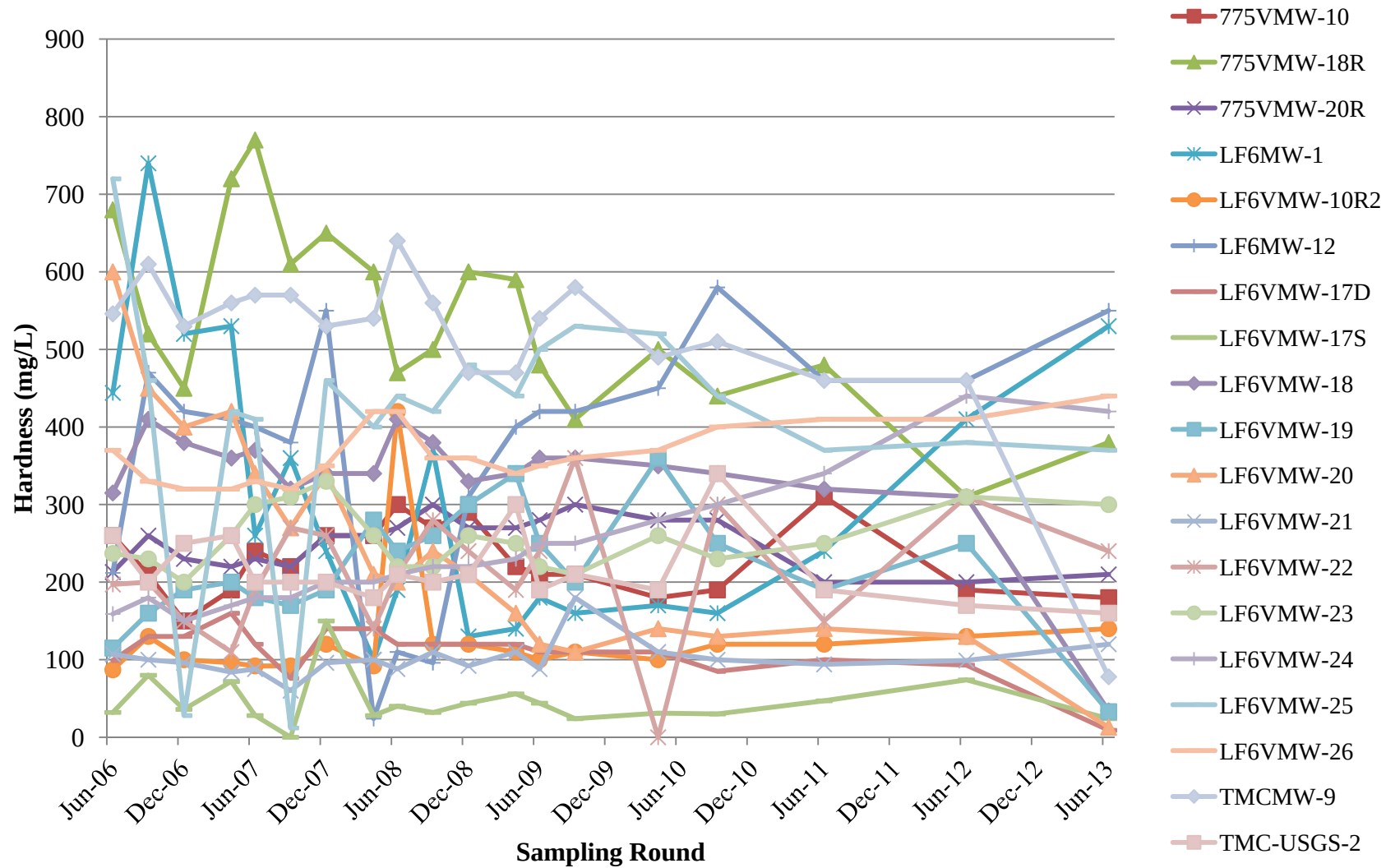
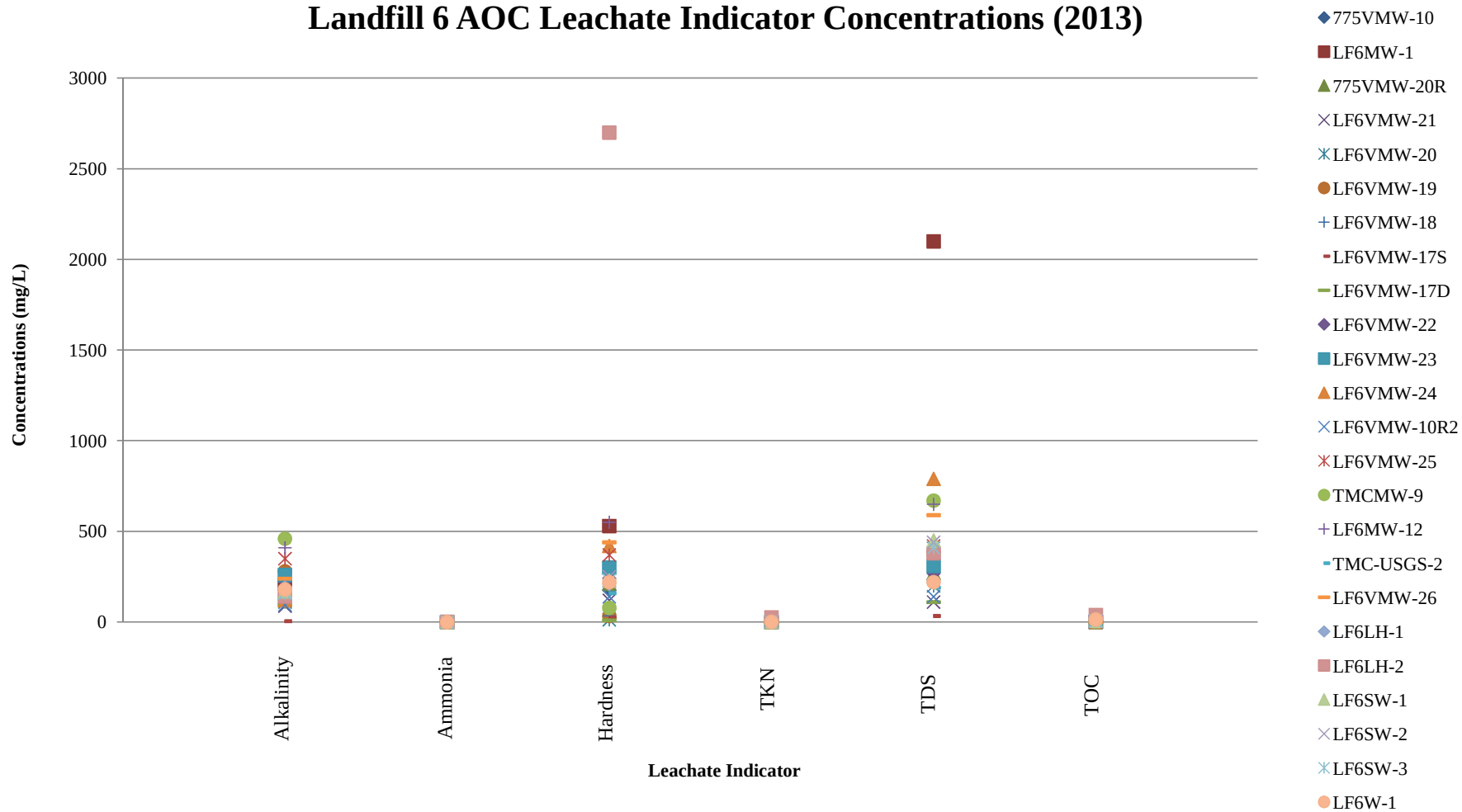


Figure 6-7
Landfill 6 AOC Leachate Indicator Concentrations (2013)



TABLES

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Landfill 1 AOC Gas Monitoring Results

[illegible]

Landfill 1 AOC Gas Monitoring Results

Sample Location	16-Dec-04				17-Jan-05				17-Feb-05			
	Barometric Pressure (in.) = 29.73				Barometric Pressure (in.) = 29.77				Barometric Pressure (in.) = 29.34			
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF1GMP-01	>100	98.4	1.6	0.0	>100	98.8	0.4	0.8	>100	99.8	0.2	0.0
LF1GMP-02	>100	52.1	0.0	25.2	>100	46.6	0.2	21.4	>100	40.2	0.2	22.4
LF1GMP-03	>100	54.1	0.0	37.1	>100	40.8	0.4	30.8	>100	30.2	0.2	31.0
LF1GMP-04	>100	34.2	4.7	21.5	>100	61.4	0.4	38.0	>100	60.4	0.5	39.1
LF1GMP-06	>100	77.6	0.0	3.9	>100	62.8	0.8	2.6	>100	69.0	0.5	2.7
LF1GMP-08	10	0.5	20.9	0.0	0	0.0	5.5	11.0	0	0.0	6.7	9.8
LF1GMP-09	>100	41.4	0.2	19.2	>100	38.6	1.7	14.9	>100	47.2	0.0	18.2
LF1GMP-10	>100	33.9	0.0	29.3	>100	26.4	0.2	21.8	>100	24.0	0.1	24.1
LF1GMP-11	>100	18.1	0.0	19.6	>100	8.8	0.3	17.2	>100	7.9	0.1	18.8
LF1GMP-12	4	0.2	18.7	2.5	0	0.0	19.3	1.7	0	0.0	19.0	1.8
LF1GMP-13	10	0.5	15.8	0.3	0	0.0	16.2	1.0	0	0.0	16.4	1.2
LF1GMP-14	4	0.2	17.3	0.4	0	0.0	18.1	0.2	0	0.0	18.6	0.2
LF1GMP-15	4	0.2	19.1	0.8	0	0.0	19.3	0.3	0	0.0	20.1	0.2
LF1GMP-16	0	0.0	17.6	2.6	0	0.0	17.6	2.2	0	0.0	17.7	2.3
LF1GMP-17	0	0.0	18.3	1.7	0	0.0	18.3	1.4	0	0.0	18.6	1.4
LF1GMP-18	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GMP-19	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GMP-20	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GIV-01	>100	14.4	0.1	17.3	>100	9.4	12.7	9.0	62	3.1	14.4	6.5
LF1GIV-02	>100	13.8	1.0	20.2	>100	9.0	10.5	12.0	56	2.8	10.3	9.2
LF1GIV-03	50	2.5	3.6	11.3	10	0.5	18.6	1.6	2	0.1	15.8	3.3
LF1GIV-04	>100	11.5	1.9	18.5	62	3.1	15.9	5.5	4	0.2	15.5	4.0
LF1GIV-05	>100	20.4	0.0	23.0	>100	13.5	10.4	12.7	88	4.4	11.0	8.6
LF1GIV-06	>100	16.8	0.0	23.3	>100	21.1	1.5	20.7	16	0.8	6.1	12.4
LF1GIV-07	>100	19.0	0.1	24.4	>100	20.3	5.6	18.9	>100	9.9	10.9	12.9
LF1GIV-08	>100	26.7	0.1	23.1	>100	21.2	3.5	18.6	64	3.2	5.8	12.7
LF1GIV-09	>100	6.4	1.9	14.6	>100	20.1	4.2	14.9	64	3.2	14.9	5.8
LF1GIV-10	>100	17.1	1.3	22.8	>100	16.5	5.6	18.6	48	2.4	10.7	9.3
LF1GIV-11	>100	17.0	0.7	16.1	>100	14.6	10.3	10.7	46	2.3	16.6	3.3
LF1GIV-12	>100	12.7	1.2	20.2	>100	18.4	2.6	18.3	12	0.6	12.1	6.6
LF1GIV-13	>100	21.9	1.2	27.5	>100	16.9	1.4	20.4	>100	10.3	1.1	20.1
LF1GIV-14	>100	27.4	1.1	19.3	>100	26.6	4.9	15.0	>100	11.3	12.1	8.4
LF1GIV-15	>100	7.1	0.8	14.3	>100	9.5	6.4	10.9	24	1.2	13.9	5.2
LF1GIV-16	68	3.4	5.2	8.2	80	4.0	8.9	7.1	0	0.0	16.6	3.0
LF1GIV-17	>100	14.9	5.2	14.2	>100	25.1	6.1	12.5	>100	19.1	9.9	12.1
LF1GIV-18	>100	29.0	0.8	22.6	>100	27.2	4.4	15.7	>100	16.1	7.4	12.9
LF1GIV-19	>100	9.1	0.2	16.3	>100	12.6	6.1	12.5	46	2.3	11.4	7.9
LF1GIV-20	>100	14.8	1.8	15.9	>100	12.5	5.5	11.7	72	3.6	13.8	4.6
LF1GIV-21	>100	34.2	0.8	18.0	>100	37.6	1.9	14.0	>100	26.9	2.6	13.2
LF1GIV-22	>100	23.6	1.1	19.4	>100	24.8	2.5	16.1	>100	16.2	6.2	14.1
LF1GIV-23	16	0.8	15.9	2.1	2	0.1	20.2	0.4	2	0.1	17.8	1.6
LF1GIV-24	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GIV-25	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GIV-26	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GIV-27	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GIV-28	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GIV-29	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GIV-30	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GIV-31	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI

Table 2-1
Landfill 1 AOC Gas Monitoring Results

Sample Location	23-Jun-05				2-Aug-05				29-Aug-05			
	Barometric Pressure (in.) = 29.61				Barometric Pressure (in.) = 29.55				Barometric Pressure (in.) = 29.50			
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF1GMP-01	>100	74.4	0.9	24.2	>100	50.0	0.1	32.2	>100	100.0	0.0	0.0
LF1GMP-02	>100	34.8	1.1	27.5	>100	43.5	1.0	28.9	>100	47.6	0.5	30.0
LF1GMP-03	>100	37.0	1.1	40.4	>100	50.1	0.4	39.1	>100	60.3	0.1	39.6
LF1GMP-04	>100	52.1	1.7	44.2	>100	50.2	0.4	39.1	>100	60.3	0.3	39.4
LF1GMP-06	>100	63.1	1.2	4.4	>100	65.1	0.9	5.8	>100	76.2	0.1	7.0
LF1GMP-08	0	0.0	11.7	7.4	0	0.0	14.8	5.5	0	0.0	11.8	7.5
LF1GMP-09	>100	35.3	1.2	24.1	>100	39.8	0.8	24.4	>100	58.4	0.1	33.2
LF1GMP-10	>100	14.4	2.9	24.5	>100	13.5	3.4	22.5	>100	18.5	2.6	28.8
LF1GMP-11	>100	11.5	1.2	23.2	>100	9.6	1.1	22.0	>100	18.8	0.3	30.4
LF1GMP-12	0	0.0	18.8	2.2	0	0.0	19.4	1.7	0	0.0	18.8	2.0
LF1GMP-13	0	0.0	19.1	1.1	0	0.0	19.1	1.1	0	0.0	18.7	1.7
LF1GMP-14	0	0.0	19.9	0.5	0	0.0	19.6	0.6	0	0.0	19.0	1.2
LF1GMP-15	0	0.0	20.0	0.5	0	0.0	19.8	0.1	0	0.0	19.4	1.0
LF1GMP-16	0	0.0	17.8	2.8	0	0.0	17.7	3.2	0	0.0	17.2	3.0
LF1GMP-17	0	0.0	17.9	2.5	0	0.0	17.1	3.3	0	0.0	16.6	3.2
LF1GMP-18	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GMP-19	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GMP-20	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GV-01	>100	21.3	1.0	31.9	>100	27.8	4.7	29.4	>100	58.4	0.0	41.6
LF1GV-02	>100	21.3	1.2	30.0	>100	19.3	4.1	24.5	>100	59.7	0.0	40.3
LF1GV-03	>100	8.4	2.4	22.0	40	2.0	14.3	6.7	>100	50.2	0.0	46.4
LF1GV-04	>100	8.0	6.2	20.1	>100	10.0	13.4	9.5	>100	40.8	0.1	41.0
LF1GV-05	>100	22.1	1.0	31.4	>100	26.4	4.1	28.3	>100	58.6	0.0	41.4
LF1GV-06	>100	10.0	1.3	23.0	8	0.4	13.1	6.5	>100	62.2	0.0	37.8
LF1GV-07	>100	24.3	1.0	34.1	>100	24.1	5.8	25.1	>100	60.7	0.0	39.3
LF1GV-08	>100	15.1	1.1	23.6	>100	6.2	9.3	11.4	>100	55.4	0.0	40.8
LF1GV-09	>100	8.1	1.5	22.2	>100	11.1	14.8	9.1	>100	40.2	4.0	55.8
LF1GV-10	>100	15.7	3.8	23.8	>100	16.4	7.4	19.7	>100	59.5	0.0	40.5
LF1GV-11	>100	14.8	2.0	21.9	>100	7.0	16.5	5.4	>100	45.8	3.3	33.1
LF1GV-12	>100	8.6	1.5	22.4	50	2.5	7.4	3.8	>100	55.0	0.3	44.9
LF1GV-13	>100	20.6	1.0	26.2	>100	15.9	2.9	21.2	>100	52.1	0.0	41.2
LF1GV-14	>100	30.7	4.2	27.5	>100	16.9	12.3	13.1	>100	45.5	4.4	37.2
LF1GV-15	>100	16.0	6.6	20.2	>100	15.0	12.8	13.5	>100	46.1	4.9	38.3
LF1GV-16	18	0.9	6.7	13.5	60	3.0	14.9	5.3	>100	36.0	4.3	30.1
LF1GV-17	>100	32.5	5.3	26.2	>100	12.8	14.0	11.4	>100	42.9	3.9	33.5
LF1GV-18	>100	22.1	7.4	20.7	>100	22.3	9.0	17.5	>100	49.0	3.3	41.1
LF1GV-19	>100	12.3	2.8	22.3	>100	9.3	11.7	11.3	>100	36.8	6.1	30.7
LF1GV-20	>100	10.3	6.2	15.4	80	4.0	15.7	4.5	>100	26.5	4.2	23.3
LF1GV-21	>100	24.8	7.5	15.4	>100	11.3	14.2	5.3	>100	38.3	6.7	20.8
LF1GV-22	>100	27.8	0.9	25.8	>100	9.0	16.2	6.3	>100	46.8	3.1	32.2
LF1GV-23	42	2.1	14.9	6.2	0	0.0	20.2	0.1	>100	19.9	6.6	25.7
LF1GV-24	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GV-25	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GV-26	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GV-27	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GV-28	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GV-29	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GV-30	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF1GV-31	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI

Table 2-1
Landfill 1 AOC Gas Monitoring Results

Sample Location	7-Oct-05				15-Nov-05				28-Nov-05			
	Barometric Pressure (in.) =			29.87	Barometric Pressure (in.) =			30.13	Barometric Pressure (in.) =			30.06
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF1GMP-01	12	0.6	20.5	0.3	>100	66.3	11.3	13.4	>100	20.4	16.9	5.9
LF1GMP-02	>100	48.4	0.4	26.2	>100	52.3	0.8	20.9	>100	55.4	0.5	25.1
LF1GMP-03	>100	52.3	0.0	42.9	>100	54.8	0.3	36.0	>100	41.2	5.5	28.9
LF1GMP-04	>100	49.7	0.7	45.9	>100	39.7	0.0	32.1	36	1.8	8.8	13.3
LF1GMP-06	>100	70.5	0.3	8.3	>100	73.9	0.0	5.9	>100	81.3	0.5	6.1
LF1GMP-08	0	0.0	6.0	10.0	>100	6.8	0.7	15.5	10	0.5	3.7	17.8
LF1GMP-09	>100	58.8	0.3	30.7	>100	44.8	0.1	19.0	>100	49.2	0.9	21.0
LF1GMP-10	>100	20.3	1.8	25.8	>100	27.4	0.8	24.6	>100	29.9	0.8	28.4
LF1GMP-11	54	2.7	0.4	21.8	4	0.2	0.1	13.8	4	0.2	12.8	6.0
LF1GMP-12	0	0.0	18.9	2.3	0	0.0	18.6	2.6	0	0.0	19.8	1.2
LF1GMP-13	0	0.0	17.3	1.9	0	0.0	10.8	4.0	0	0.0	19.7	1.2
LF1GMP-14	0	0.0	17.4	1.8	0	0.0	13.1	2.5	0	0.0	14.4	2.9
LF1GMP-15	0	0.0	19.3	0.8	0	0.0	18.7	0.7	0	0.0	19.0	0.8
LF1GMP-16	0	0.0	17.8	2.7	0	0.0	17.5	2.8	0	0.0	18.1	2.6
LF1GMP-17	0	0.0	17.5	2.7	0	0.0	18.0	2.3	0	0.0	18.5	2.1
LF1GMP-18	>100	9.1	5.0	5.0	0	0.0	19.6	0.3	0	0.0	20.8	0.0
LF1GMP-19	>100	7.9	3.7	22.7	90	4.5	0.8	11.0	64	3.2	1.4	10.5
LF1GMP-20	0	0.0	20.4	0.0	0	0.0	20.5	0.0	4	0.2	20.7	0.0
LF1GV-01	>100	38.6	3.8	34.3	>100	40.8	0.9	29.8	>100	16.7	1.5	20.0
LF1GV-02	>100	23.0	10.6	19.3	>100	38.0	0.1	28.1	>100	14.8	3.2	19.4
LF1GV-03	>100	8.2	16.8	6.4	>100	29.8	0.0	25.3	>100	10.0	1.2	16.8
LF1GV-04	8	0.4	20.5	0.2	>100	27.0	1.0	25.6	>100	17.1	1.2	21.4
LF1GV-05	>100	46.1	0.3	42.6	>100	38.9	0.0	29.0	>100	24.7	0.8	27.0
LF1GV-06	>100	56.5	0.2	39.2	>100	42.2	0.1	27.0	>100	27.1	0.8	26.6
LF1GV-07	>100	50.2	0.3	45.3	>100	42.2	0.7	30.0	>100	32.0	0.2	32.6
LF1GV-08	>100	49.6	0.6	33.2	>100	40.1	1.0	23.9	>100	33.5	2.0	23.0
LF1GV-09	>100	32.4	4.0	27.3	>100	33.6	0.8	22.4	>100	12.3	1.8	16.7
LF1GV-10	>100	49.3	0.3	44.7	>100	38.5	0.3	29.8	>100	25.5	0.5	29.0
LF1GV-11	>100	28.4	6.1	23.1	>100	34.2	1.2	22.4	>100	18.4	6.9	15.2
LF1GV-12	>100	16.0	13.4	12.3	>100	29.3	0.1	24.5	>100	15.1	0.5	21.5
LF1GV-13	>100	45.8	0.3	37.5	>100	30.9	0.3	25.9	>100	25.2	0.7	30.6
LF1GV-14	>100	34.6	6.2	25.1	>100	39.8	1.6	23.5	>100	23.4	6.6	16.7
LF1GV-15	>100	16.4	11.2	13.3	>100	18.7	5.5	14.9	14	0.7	20.3	0.4
LF1GV-16	>100	20.9	9.6	15.2	>100	17.9	0.3	16.8	0	0.0	20.8	0.0
LF1GV-17	>100	27.8	9.7	20.2	>100	37.4	3.5	19.0	>100	18.3	6.3	13.2
LF1GV-18	>100	37.7	5.3	27.9	>100	31.2	3.7	18.5	>100	24.5	3.7	18.3
LF1GV-19	>100	15.6	12.1	12.4	>100	24.8	2.8	17.0	0	0.0	20.7	0.1
LF1GV-20	>100	15.2	10.9	11.8	>100	24.8	4.3	15.7	0	0.0	20.7	0.1
LF1GV-21	>100	22.8	12.6	11.2	>100	39.7	2.6	16.0	>100	21.8	10.9	10.4
LF1GV-22	>100	28.4	5.6	19.9	>100	35.7	1.7	20.0	>100	14.5	12.6	9.3
LF1GV-23	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
LF1GV-24	>100	26.1	0.0	31.4	0	0.0	20.6	0.0	2	0.1	20.9	0.0
LF1GV-25	>100	30.8	36.0	0.3	>100	5.3	9.4	9.6	2	0.1	19.3	0.9
LF1GV-26	0	0.0	20.5	0.0	>100	13.1	2.3	19.3	22	1.1	14.8	5.5
LF1GV-27	>100	31.2	1.8	35.2	>100	22.0	2.4	22.8	10	0.5	13.1	4.8
LF1GV-28	>100	9.4	10.2	15.0	>100	5.3	16.9	1.4	36	1.8	8.9	13.1
LF1GV-29	>100	13.1	5.9	20.1	>100	13.0	0.3	19.5	10	0.5	13.1	4.8
LF1GV-30	>100	6.4	11.3	10.5	64	3.2	5.4	11.6	8	0.4	12.2	5.6
LF1GV-31	>100	21.3	0.4	26.7	0	0	20.6	9.0	10	0.5	18.3	17.5

Table 2-1
Landfill 1 AOC Gas Monitoring Results

Sample Location	9-Jan-06				30-Mar-06				11-Jul-06			
	Barometric Pressure (in.) =			29.79	Barometric Pressure (in.) =			30.22	Barometric Pressure (in.) =			30.01 - 30.12
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF1GMP-01	>100	98.0	0.0	2.0	>100	>100	0.2	31.2	>100	31.6	9.5	14.3
LF1GMP-02	>100	50.0	0.2	20.4	>100	45.0	0.4	19.2	14	0.7	18.5	0.4
LF1GMP-03	>100	42.2	2.5	30.1	>100	33.2	0.7	28.2	0	0.0	20.2	0.0
LF1GMP-04	>100	38.9	2.8	33.2	>100	26.4	3.4	24.4	>100	42.7	2.0	37.3
LF1GMP-06	>100	77.1	0.0	3.2	>100	61.3	0.0	1.6	>100	62.9	0.3	0.9
LF1GMP-08	>100	5.6	0.0	15.7	0	0.0	17.2	3.6	0	0.0	20.6	0.0
LF1GMP-09	>100	33.1	1.4	11.6	100	5.0	12.6	2.4	0	0.0	20.5	0.0
LF1GMP-10	>100	21.6	6.9	19.0	>100	24.7	0.0	23.4	0	0.0	20.9	0.0
LF1GMP-11	0	0.0	7.7	8.0	0	0.0	15.5	3.5	0	0.0	20.6	0.0
LF1GMP-12	0	0.0	19.4	2.0	0	0.0	19.7	1.1	0	0.0	20.4	0.1
LF1GMP-13	12	0.6	5.7	6.0	0	0.0	9.0	5.1	0	0.0	20.9	0.0
LF1GMP-14	0	0.0	14.1	2.1	0	0.0	18.0	1.3	0	0.0	19.2	0.4
LF1GMP-15	0	0.0	20.4	0.0	0	0.0	19.2	0.5	0	0.0	20.7	0.0
LF1GMP-16	0	0.0	17.6	2.6	0	0.0	19.0	1.9	0	0.0	19.9	0.3
LF1GMP-17	0	0.0	17.8	2.2	0	0.0	19.5	1.5	0	0.0	18.0	2.5
LF1GMP-18	0	0.0	20.6	0.0	0	0.0	20.8	0.0	0	0.0	20.9	0.0
LF1GMP-19	4	0.2	0.9	4.2	0	0.0	10.0	2.7	>100	7.0	9.5	10.0
LF1GMP-20	0	0.0	20.2	0.2	0	0.0	20.7	0.0	2	0.1	20.5	0.0
LF1GV-01	42	2.1	19.7	1.7	>100	6.5	17.3	5.2	2	1.1	17.3	4.0
LF1GV-02	2	0.1	20.7	0.0	>100	6.4	16.0	5.5	26	1.3	5.2	18.2
LF1GV-03	18	0.9	20.3	0.7	>100	20.2	3.0	20.9	20	1.0	13.7	5.6
LF1GV-04	>100	5.1	18.1	4.0	>100	13.8	8.7	14.0	0	0.0	19.0	1.0
LF1GV-05	0	0.0	20.6	0.0	>100	15.8	12.3	12.1	22	1.1	18.1	2.8
LF1GV-06	0	0.0	20.4	0.0	>100	14.2	9.6	14.4	28	1.4	8.8	10.1
LF1GV-07	88	4.4	18.8	2.9	>100	16.2	16.0	11.5	12	0.6	20.2	0.4
LF1GV-08	0	0.0	20.6	0.0	>100	21.4	9.4	14.5	36	1.8	18.1	2.3
LF1GV-09	26	1.3	19.8	1.1	>100	21.0	10.8	11.8	32	1.6	17.3	3.2
LF1GV-10	0	0.0	20.5	0.0	>100	15.7	9.3	15.0	0	0.0	20.7	0.1
LF1GV-11	56	2.8	19.0	2.1	>100	6.4	17.1	4.1	2	0.1	20.9	0.0
LF1GV-12	0	0.0	20.4	0.0	>100	12.2	10.4	12.6	0	0.0	20.4	0.0
LF1GV-13	0	0.0	20.3	0.0	>100	16.0	19.8	2.8	>100	7.8	1.6	20.0
LF1GV-14	50	2.5	19.3	1.5	>100	5.2	18.7	2.5	52	2.6	19.7	1.1
LF1GV-15	0	0.0	20.3	0.0	26	1.3	18.7	1.7	2	0.1	20.6	0.0
LF1GV-16	0	0.0	20.3	0.0	0	0.0	19.3	0.8	0	0.0	20.9	0.0
LF1GV-17	>100	12.6	16.2	5.7	>100	10.5	17.1	4.4	18	0.9	20.1	0.5
LF1GV-18	>100	12.3	15.6	6.1	74	3.7	18.5	2.2	8	0.4	20.4	0.2
LF1GV-19	4	0.2	20.3	0.2	44	2.2	18.6	1.8	0	0.0	20.9	0.0
LF1GV-20	0	0.0	20.1	0.3	>100	7.0	15.4	3.7	0	0.0	20.8	0.0
LF1GV-21	>100	9.1	17.5	3.1	>100	16.1	16.5	4.0	0	0.0	20.7	0.0
LF1GV-22	>100	10.5	15.3	9.5	94	4.7	19.1	2.0	12	0.6	19.9	0.4
LF1GV-23	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
LF1GV-24	0	0.0	20.7	0.0	0	0.0	21.1	0.0	>100	8.5	16.7	3.9
LF1GV-25	0	0.0	20.6	0.0	0	0.0	20.1	0.5	12	0.6	19.6	0.2
LF1GV-26	0	0.0	20.6	0.0	6	0.3	19.3	0.8	4	0.2	20.2	0.0
LF1GV-27	>100	10.0	15.3	7.8	66	3.7	18.0	2.6	0	0.0	20.4	0.0
LF1GV-28	0	0.0	20.5	0.0	0	0.0	20.9	0.2	0	0.0	20.6	0.0
LF1GV-29	86	4.3	10.3	8.6	0	0.0	20.9	0.2	0	0.0	20.7	0.0
LF1GV-30	12	0.6	19.7	0.7	0	0.0	19.2	1.1	0	0.2	20.3	0.2
LF1GV-31	0	0	20.5	0.0	0	0	21.1	0	0	0.0	20.2	0.2

Table 2-1
Landfill 1 AOC Gas Monitoring Results

Sample Location	9-Oct-06				3-Jan-07				31-May-07			
	Barometric Pressure (in.) =			29.43 - 29.47	Barometric Pressure (in.) =			29.42 - 29.47	Barometric Pressure (in.) =			29.40 - 29.44
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF1GMP-01	56	2.8	19.1	1.6	>100	51.5	3.2	21.4	>100	56.2	0.7	27.8
LF1GMP-02	>100	26.5	-	18.7	0	0.0	5.1	5.4	>100	27.2	0.6	20.7
LF1GMP-03	>100	49.6	-	33.8	>100	29.2	-	22.9	>100	37.5	0.4	31.9
LF1GMP-04	>100	57.3	-	40.0	>100	19.5	0.0	24.3	>100	60.0	0.4	32.6
LF1GMP-06	>100	73.1	-	8.6	>100	11.9	-	4.8	>100	59.4	0.5	5.8
LF1GMP-08	0	0.0	20.4	0.3	0	0.0	9.9	7.0	0	0.0	20.9	0.0
LF1GMP-09	>100	33.4	-	19.7	>100	6.4	1.8	6.7	>100	12.0	13.0	5.7
LF1GMP-10	>100	23.0	-	25.3	89	4.5	14.1	5.7	10	0.4	20.2	0.4
LF1GMP-11	0	0.0	21.0	0.1	0	0.0	20.7	0.2	0	0.0	20.9	0.0
LF1GMP-12	0	0.0	20.9	0.2	0	0.0	19.8	1.9	0	0.0	20.9	0.0
LF1GMP-13	0	0.0	1.3	11.6	0	0.0	18.9	1.4	0	0.0	20.9	0.0
LF1GMP-14	0	0.0	15.0	3.3	0	0.0	17.5	1.7	0	0.0	20.7	0.3
LF1GMP-15	0	0.0	20.1	0.6	0	0.0	20.4	0.4	0	0.0	20.9	0.0
LF1GMP-16	0	0.0	20.5	0.5	0	0.0	18.0	2.4	0	0.0	19.2	1.7
LF1GMP-17	0	0.0	18.0	2.9	0	0.0	18.6	2.0	0	0.0	18.9	1.6
LF1GMP-18	0	0.0	17.4	2.8	0	0.0	20.9	0.2	0	0.0	6.8	4.8
LF1GMP-19	46	2.3	12.1	6.0	0	0.0	4.2	1.6	0	0.0	12.0	3.8
LF1GMP-20	2	0.1	20.8	0.1	0	0.0	20.9	0.1	0	0.0	20.6	0.0
LF1GV-01	70	3.5	20.0	3.4	2	0.1	20.9	0.2	>100	14.8	14.2	12.4
LF1GV-02	>100	7.7	17.6	6.3	0	0.0	20.8	0.2	>100	15.4	13.8	11.6
LF1GV-03	>100	11.3	15.8	9.2	0	0.0	21.0	0.1	>100	11.0	15.4	8.4
LF1GV-04	>100	6.7	17.6	5.7	0	0.0	20.9	0.1	42	2.1	20.0	1.2
LF1GV-05	>100	5.2	18.7	4.6	9	0.5	20.8	0.2	>100	30.5	6.9	25.2
LF1GV-06	>100	24.4	6.8	19.8	0	0.0	20.9	0.0	84	4.2	18.6	2.8
LF1GV-07	>100	11.5	16.2	9.8	39	2.0	19.8	1.7	>100	18.6	13.6	13.9
LF1GV-08	>100	14.0	15.3	9.0	>100	6.9	17.0	4.8	26	1.3	20.8	0.3
LF1GV-09	>100	9.9	16.7	6.9	39	2.0	19.2	1.7	20	1.0	20.8	0.2
LF1GV-10	>100	20.3	11.9	18.4	0	0.0	20.9	0.1	>100	7.1	7.2	5.5
LF1GV-11	>100	5.0	18.3	4.1	34	1.7	19.6	1.1	22	1.1	20.8	0.3
LF1GV-12	0	0.0	20.7	0.1	>100	5.4	16.0	4.5	>100	5.9	18.0	4.6
LF1GV-13	>100	16.5	11.5	14.4	0	0.0	20.8	0.1	>100	27.1	2.2	23.1
LF1GV-14	>100	6.6	17.8	5.1	20	1.0	20.0	0.6	96	4.8	1.8	19.4
LF1GV-15	4	0.2	20.7	0.3	13	0.7	19.9	1.0	46	2.3	19.4	1.6
LF1GV-16	61	3.1	18.6	2.4	9	0.4	18.2	1.8	0	0.0	21.0	0.0
LF1GV-17	20	1.0	20.1	1.1	>100	6.0	16.7	3.6	>100	7.6	18.2	3.5
LF1GV-18	84	4.2	19.0	3.0	53	2.7	17.9	2.2	42	2.1	20.2	0.8
LF1GV-19	7	0.3	20.5	0.5	25	1.3	18.8	1.5	6	0.3	20.8	0.0
LF1GV-20	80	4.0	18.1	2.8	40	2.0	18.7	1.7	50	2.5	18.8	1.8
LF1GV-21	>100	17.8	14.4	5.9	>100	6.7	17.3	2.6	>100	10.0	18.0	2.2
LF1GV-22	83	4.1	18.7	2.9	50	2.6	18.8	1.9	>100	8.9	18.0	3.0
LF1GV-23	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
LF1GV-24	0	0.0	20.9	0.2	0	0.0	20.9	0.1	8	0.4	1.1	16.7
LF1GV-25	12	0.6	20.5	1.1	31	1.6	15.0	3.6	14	0.7	17.4	2.5
LF1GV-26	>100	15.6	13.7	8.7	0	0.0	20.9	0.1	0	0.0	20.7	0.0
LF1GV-27	>100	33.4	1.7	27.2	0	0.0	20.9	0.1	0	0.0	20.9	0.0
LF1GV-28	0	0.0	21.0	0.1	0	0.0	20.9	0.1	0	0.0	20.9	0.0
LF1GV-29	>100	13.8	11.4	11.2	0	0.0	20.9	0.1	0	0.0	21.1	0.0
LF1GV-30	0	0.0	21.1	0.0	0	0.0	20.9	0.1	0	0.0	19.4	0.9
LF1GV-31	0	0.0	20.9	0.1	0	0.0	20.9	0.1	1	0.1	12.9	5.6

Table 2-1
Landfill 1 AOC Gas Monitoring Results

Sample Location	30-Jul-07				6-Oct-07				23-Jan-08			
	Barometric Pressure (in.) = 29.38 - 29.46				Barometric Pressure (in.) = 30.19				Barometric Pressure (in.) = 29.37-29.53			
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF1GMP-01	18	0.8	19.4	1.4	>100	99.9	0.2	0.0	>100	81.0	0.9	27.3
LF1GMP-02	0	0.0	20.0	0.4	>100	29.4	0.2	17.9	0	0.0	21.2	0.0
LF1GMP-03	>100	34.3	0.4	31.0	>100	49.9	0.1	39.3	>100	34.8	0.0	29.2
LF1GMP-04	>100	50.7	0.1	39.1	>100	51.7	0.2	47.4	0	0.0	20.0	0.2
LF1GMP-06	>100	74.2	0.2	7.4	>100	65.9	0.3	10.3	>100	45.7	0.0	4.0
LF1GMP-08	0	0.0	20.9	0.0	0	0.0	16.4	3.0	0	0.0	19.0	2.2
LF1GMP-09	>100	16.0	2.1	12.4	>100	41.5	0.3	23.8	0	0.0	20.6	0.1
LF1GMP-10	>100	7.2	1.4	16.7	>100	14.5	0.1	23.0	>100	20.0	0.2	21.7
LF1GMP-11	0	0.0	17.7	2.2	0	0.0	17.7	2.7	0	0.0	21.3	0.1
LF1GMP-12	0	0.0	20.8	0.3	0	0.0	20.8	0.0	0	0.0	19.6	2.1
LF1GMP-13	0	0.0	15.0	4.2	0	0.0	12.5	5.3	0	0.0	17.1	2.3
LF1GMP-14	0	0.0	19.4	1.3	0	0.0	18.8	1.3	0	0.0	19.5	0.8
LF1GMP-15	0	0.0	20.1	0.5	0	0.0	19.6	1.0	0	0.0	20.4	0.6
LF1GMP-16	0	0.0	20.2	0.3	0	0.0	18.8	2.3	3	0.2	19.2	2.2
LF1GMP-17	0	0.0	18.0	2.8	0	0.0	18.9	2.3	1	0.1	19.3	2.0
LF1GMP-18	0	0.0	13.2	6.5	4	0.2	14.3	6.0	0	0.0	21.3	0.1
LF1GMP-19	0	0.0	20.4	0.3	0	0.0	19.1	1.7	4	0.2	17.7	2.5
LF1GMP-20	0	0.0	21.0	0.0	0	0.0	20.8	0.0	4	0.2	21.0	0.1
LF1GV-01	>100	6.9	17.1	5.9	>100	21.7	10.4	20.7	0	0.0	21.3	0.1
LF1GV-02	>100	25.5	7.1	22.8	>100	34.1	4.5	31.2	0	0.0	21.0	0.0
LF1GV-03	>100	25.7	2.8	26.5	>100	35.3	0.1	36.0	0	0.0	21.2	0.0
LF1GV-04	>100	7.3	12.1	11.4	>100	27.6	1.8	31.3	0	0.0	20.5	0.1
LF1GV-05	>100	31.1	4.5	29.4	>100	38.8	5.5	31.0	0	0.0	19.4	0.1
LF1GV-06	>100	20.0	2.8	22.7	>100	40.8	0.1	35.1	0	0.0	21.4	0.0
LF1GV-07	>100	24.0	10.2	18.2	>100	33.0	5.7	30.2	12	0.8	20.5	1.2
LF1GV-08	>100	16.8	10.9	13.1	>100	20.4	10.7	14.0	24	1.2	19.4	1.1
LF1GV-09	76	3.8	18.6	3.1	>100	25.6	8.2	20.9	2	0.1	20.0	0.4
LF1GV-10	>100	5.8	17.2	5.2	>100	17.5	12.5	15.4	9	0.5	17.8	2.9
LF1GV-11	>100	5.5	18.0	3.8	>100	9.4	15.2	7.2	1	0.1	20.3	0.2
LF1GV-12	>100	6.0	15.4	6.7	>100	30.1	3.2	29.7	7	0.4	19.6	0.8
LF1GV-13	>100	25.3	0.5	25.5	>100	31.9	0.9	31.7	14	0.8	18.9	2.3
LF1GV-14	>100	6.2	18.4	3.6	>100	20.1	10.6	16.4	4	0.2	20.3	0.4
LF1GV-15	>100	10.4	14.9	8.0	>100	11.6	13.7	9.7	0	0.0	20.4	0.2
LF1GV-16	46	2.3	9.9	9.8	>100	14.7	7.1	14.2	0	0.0	20.5	0.1
LF1GV-17	>100	14.2	14.8	9.0	>100	5.8	18.3	3.7	2	0.1	20.8	0.2
LF1GV-18	>100	7.7	19.4	4.9	>100	14.5	15.3	9.1	0	0.0	20.6	0.3
LF1GV-19	>100	7.0	16.0	5.4	>100	12.8	12.9	9.2	0	0.0	20.8	0.2
LF1GV-20	>100	7.3	12.6	6.8	>100	10.9	11.4	8.3	0	0.0	20.7	0.2
LF1GV-21	>100	12.0	16.5	4.3	>100	17.6	6.8	14.4	17	0.9	20.2	0.6
LF1GV-22	>100	15.2	14.2	8.6	>100	6.6	17.1	4.4	13	0.7	20.2	1.0
LF1GV-23	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
LF1GV-24	>100	9.3	6.2	17.5	>100	14.4	2.2	22.4	0	0.0	21.2	0.0
LF1GV-25	2	0.1	20.5	0.2	>100	12.5	11.8	13.4	0	0.0	20.2	0.1
LF1GV-26	0	0.0	20.9	0.0	>100	7.2	15.3	12.9	1	0.1	19.0	1.6
LF1GV-27	0	0.0	21.0	0.0	>100	13.1	11.0	16.8	0	0.0	20.1	0.1
LF1GV-28	0	0.0	21.2	0.0	40	2.0	14.6	5.5	0	0.0	21.3	0.1
LF1GV-29	0	0.0	21.0	0.0	0	0.0	21.0	0.0	0	0.0	20.3	1.0
LF1GV-30	0	0.0	20.9	0.1	2	1.0	20.8	0.0	0	0.0	20.9	0.3
LF1GV-31	0	0.0	21.0	0.0	>100	7.7	1.7	19	0	0.0	21.3	0.1

Table 2-1
Landfill 1 AOC Gas Monitoring Results

Sample Location	17-Apr-08				1-Jul-08				17-Nov-08			
	Barometric Pressure (in.) =			30.01-30.20	Barometric Pressure (in.) =			29.29 - 29.40	Barometric Pressure (in.) =			29.38-29.41
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF1GMP-01	>100	36.1	1.8	21.8	>100	10.6	11.7	8.9	2	0.1	21.3	0.1
LF1GMP-02	>100	7.2	0.3	14.4	34	1.8	6.6	5.1	0	0.0	21.4	0.0
LF1GMP-03	>100	17.9	0.3	21.6	>100	30.0	0.2	27.8	>100	5.9	18.0	4.3
LF1GMP-04	>100	15.7	5.4	17.5	>100	28.4	0.0	32.9	0	0.0	21.6	0.0
LF1GMP-06	>100	21.3	0.7	4.4	>100	24.2	0.9	7.7	0	0.0	21.7	0.1
LF1GMP-08	0	0.0	15.6	2.4	0	0.0	16.9	3.7	1	0.0	21.6	0.1
LF1GMP-09	>100	10.0	1.2	7.7	>100	20.9	0.4	16.0	1	0.0	21.5	0.0
LF1GMP-10	>100	8.4	1.2	13.3	80	3.9	15.1	4.0	0	0.0	21.0	0.0
LF1GMP-11	0	0.0	18.9	0.4	0	0.0	17.4	3.8	0	0.0	21.7	0.1
LF1GMP-12	0	0.0	18.8	0.9	0	0.0	20.6	1.7	0	0.0	19.6	2.8
LF1GMP-13	0	0.0	21.0	0.3	0	0.1	19.1	1.8	2	0.1	21.4	0.1
LF1GMP-14	0	0.0	20.2	0.2	0	0.0	21.2	0.3	2	0.1	19.7	0.6
LF1GMP-15	0	0.0	18.0	0.8	0	0.0	21.1	0.3	1	0.0	21.6	0.1
LF1GMP-16	0	0.0	19.1	1.4	4	0.3	19.9	2.1	0	0.0	21.2	0.1
LF1GMP-17	0	0.0	19.4	1.4	5	0.3	19.3	2.1	0	0.0	19.5	1.6
LF1GMP-18	0	0.0	20.2	0.0	0	0.0	6.1	11.6	0	0.0	21.6	0.0
LF1GMP-19	4	0.2	18.0	0.8	0	0.0	17.5	2.9	0	0.0	21.6	0.1
LF1GMP-20	2	0.1	20.0	0.0	0	0.0	21.9	0.7	0	0.0	21.7	0.0
LF1GV-01	>100	9.4	12.8	9.1	>100	6.4	13.1	17.1	0	0.0	21.3	0.1
LF1GV-02	>100	17.1	4.6	17.4	90	4.5	12.9	13.0	2	0.1	21.3	0.1
LF1GV-03	>100	22.7	0.4	23.6	>100	9.2	2.9	23.0	2	0.1	21.3	0.1
LF1GV-04	>100	17.7	4.3	19.7	0	0.0	21.2	0.0	3	0.1	21.3	0.1
LF1GV-05	>100	14.8	10.8	13.1	>100	17.3	1.1	31.3	0	0.0	20.9	0.0
LF1GV-06	>100	21.2	0.4	24.4	0	0.0	21.2	0.1	0	0.0	20.2	0.1
LF1GV-07	>100	10.5	13.8	9.2	>100	8.0	13.0	12.0	0	0.0	20.7	0.1
LF1GV-08	>100	20.8	9.3	12.7	63	3.2	18.6	4.0	0	0.0	20.5	0.1
LF1GV-09	>100	14.7	11.3	10.4	0	0.0	20.6	2.2	0	0.0	20.3	0.1
LF1GV-10	>100	11.2	9.9	11.5	18	0.9	15.9	6.2	0	0.0	21.2	0.0
LF1GV-11	>100	13.2	11.2	9.6	55	2.7	16.5	5.5	0	0.0	21.3	0.0
LF1GV-12	>100	15.6	7.1	14.9	0	0.0	21.4	0.1	0	0.0	21.3	0.0
LF1GV-13	>100	17.4	0.1	20.4	90	4.5	2.0	21.8	0	0.0	21.3	0.1
LF1GV-14	>100	13.5	11.0	9.5	47	2.4	18.8	3.8	0	0.0	21.4	0.1
LF1GV-15	76	3.8	14.2	5.1	47	2.4	14.4	6.5	0	0.0	21.4	0.1
LF1GV-16	4.0	0.2	17.3	1.6	0.0	0.0	20.6	1.1	0.0	0.0	21.3	0.1
LF1GV-17	>100	13.9	13.1	8.0	53	2.7	18.2	3.8	2	0.1	21.2	0.0
LF1GV-18	>100	8.4	14.5	5.7	23	1.1	19.8	2.7	0	0.0	21.3	0.0
LF1GV-19	>100	11.5	7.7	9.8	12	0.7	19.0	2.4	2	0.1	21.3	0.1
LF1GV-20	82	4.1	16.8	2.8	5	0.3	18.6	2.4	0	0.0	21.3	0.0
LF1GV-21	>100	16.4	12.4	6.4	65	3.4	18.0	3.8	0	0.0	21.3	0.0
LF1GV-22	>100	11.2	12.7	7.4	69	3.5	15.7	6.0	2	0.1	21.2	0.1
LF1GV-23	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
LF1GV-24	2	0.1	16.7	1.8	17	0.9	14.8	20.1	0	0.0	21.0	0.0
LF1GV-25	6	0.3	16.5	2.1	0	0.0	21.3	1.0	0	0.0	18.6	2.7
LF1GV-26	2	0.1	20.7	0.0	0	0.0	21.4	0.7	0	0.0	21.1	0.1
LF1GV-27	16	0.8	18.9	1.1	0	0.0	21.2	1.2	11	0.6	21.0	1.1
LF1GV-28	0	0.0	20.7	0.1	0	0.0	21.6	0.8	0	0.0	21.0	0.0
LF1GV-29	2	0.1	18.4	0.9	0	0.0	19.1	2.1	0	0.0	20.9	0.2
LF1GV-30	0	0.0	19.7	0.0	0	0.0	20.6	1.8	0	0.0	20.9	0.1
LF1GV-31	0	0.0	19.8	0.1	0	0.0	21.0	0.9	0	0.0	21.1	0.0

Table 2-1
Landfill 1 AOC Gas Monitoring Results

Sample Location	20-Jan-09				24-Apr-09				9-Jul-09			
	Barometric Pressure (in.) =			28.95-29.88	Barometric Pressure (in.) =			29.51-29.58	Barometric Pressure (in.) =			29.56-29.66
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF1GMP-01	>100	59.0	1.9	20.3	>100	7.6	13.2	5.8	>100	26.8	4.1	17.9
LF1GMP-02	91	4.5	1.7	10.2	0	0.0	20.7	0.2	34	1.7	6.4	3.7
LF1GMP-03	>100	38.2	1.7	26.6	>100	14.5	7.7	11.9	>100	24.8	6.8	19.5
LF1GMP-04	0	0.0	21.3	0.1	12	0.6	18.8	1.0	>100	10.3	5.8	15.9
LF1GMP-06	0	0.0	20.3	0.2	0	0.0	20.1	0.1	94	4.7	6.4	3.3
LF1GMP-08	0	0.0	21.3	0.2	0	0.0	20.8	0.1	0	0.0	18.0	2.3
LF1GMP-09	>100	8.6	11.9	5.3	23	1.1	17.6	0.2	>100	15.5	0.3	10.2
LF1GMP-10	>100	14.4	1.3	20.1	62	3.1	12.2	3.6	0	0.0	20.7	0.0
LF1GMP-11	0	0.0	21.4	0.1	0	0.0	19.6	0.7	0	0.0	17.2	1.5
LF1GMP-12	0	0.0	20.3	0.2	0	0.0	20.0	1.1	0	0.0	19.9	0.0
LF1GMP-13	0	0.0	19.5	1.5	0	0.0	19.7	0.4	0	0.0	19.4	0.9
LF1GMP-14	0	0.0	20.7	0.9	0	0.0	20.9	0.0	0	0.0	19.2	1.2
LF1GMP-15	0	0.0	21.7	0.3	0	0.0	20.2	0.3	0	0.0	17.7	1.6
LF1GMP-16	0	0.0	18.3	2.2	0	0.0	20.1	1.4	0	0.0	18.7	1.7
LF1GMP-17	1	0.1	20.0	0.3	0	0.0	20.0	1.7	0	0.0	18.1	2.3
LF1GMP-18	13	0.6	20.8	0.6	0	0.0	21.0	0.0	0	0.0	19.4	0.3
LF1GMP-19	0	0.0	21.1	0.1	0	0.0	19.5	1.1	0	0.0	19.6	5.6
LF1GMP-20	0	0.0	21.1	0.1	0	0.0	20.9	0.0	0	0.0	19.5	0.0
LF1GV-01	8	0.4	21.0	0.8	2	0.1	20.0	0.5	0	0.0	20.2	0.1
LF1GV-02	8	0.4	20.6	1.1	2	0.1	19.8	1.2	0	0.0	19.7	0.1
LF1GV-03	8	0.4	20.6	0.9	14	0.7	14.9	4.6	1	0.0	17.5	1.3
LF1GV-04	14	0.7	20.0	1.4	2	0.1	19.4	1.4	2	0.1	16.5	2.9
LF1GV-05	0	0.0	21.0	0.0	36	1.7	14.6	5.2	0	0.0	20.5	0.0
LF1GV-06	0	0.0	21.0	0.1	9	0.4	17.0	6.8	1	0.0	15.3	3.0
LF1GV-07	0	0.0	21.4	0.1	15	0.8	18.8	2.1	0	0.0	20.4	0.0
LF1GV-08	0	0.0	20.8	0.0	38	1.9	18.9	1.5	11	0.6	18.7	1.9
LF1GV-09	0	0.0	21.0	0.1	10	0.5	18.6	1.8	1	0.0	18.3	1.6
LF1GV-10	0	0.0	21.2	0.1	5	0.2	18.7	1.7	0	0.0	19.1	0.5
LF1GV-11	0	0.0	21.1	0.1	34	1.7	19.6	1.2	1	0.1	19.6	0.8
LF1GV-12	0	0.0	21.0	0.1	8	0.4	19.0	1.5	0	0.0	20.6	0.0
LF1GV-13	0	0.0	20.3	0.2	>100	7.4	15.6	2.6	44	2.3	12.5	4.7
LF1GV-14	0	0.0	21.1	0.1	27	1.4	19.7	1.0	8	0.4	18.6	1.9
LF1GV-15	0	0.0	21.1	0.1	8	0.4	19.3	1.0	0	0.0	20.3	0.0
LF1GV-16	0.0	0.0	22.0	0.1	0.0	0.0	19.5	0.6	0	0.0	20.5	0.0
LF1GV-17	0	0.0	20.5	0.2	11	0.5	20.2	0.4	0	0.0	20.4	0.0
LF1GV-18	0	0.0	20.5	0.2	11	0.5	17.9	1.9	0	0.0	20.4	0.0
LF1GV-19	0	0.0	21.0	0.3	38	1.9	13.4	4.6	0	0.0	20.3	0.0
LF1GV-20	0	0.0	21.2	0.2	67	3.3	14.5	3.0	0	0.0	20.4	0.0
LF1GV-21	0	0.0	20.3	0.2	64	3.2	17.0	2.5	0	0.0	19.7	0.2
LF1GV-22	0	0.0	20.4	0.2	>100	5.7	5.2	13.7	0	0.0	19.7	0.4
LF1GV-23	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
LF1GV-24	12	0.6	21.0	0.6	0	0.0	20.7	0.2	3	0.1	19.0	0.8
LF1GV-25	8	0.4	21.1	0.5	0	0.0	20.0	0.7	0	0.0	19.4	0.0
LF1GV-26	0	0.0	21.2	0.0	0	0.0	21.0	0.0	0	0.0	19.4	0.0
LF1GV-27	0	0.0	21.4	0.1	1	0.0	20.3	0.1	0	0.0	19.2	0.0
LF1GV-28	0	0.0	21.4	0.1	0	0.0	20.8	0.0	0	0.0	19.6	0.0
LF1GV-29	0	0.0	21.4	0.1	0	0.0	19.3	1.2	0	0.0	19.3	0.0
LF1GV-30	0	0.0	21.4	0.1	0	0.0	21.1	0.0	0	0.0	18.8	0.5
LF1GV-31	0	0.0	21.4	0.1	0	0.0	20.9	0.0	0	0.0	6.4	3.1

Table 2-1
Landfill 1 AOC Gas Monitoring Results

Sample Location	20-Oct-09				1-Feb-10				5-May-10			
	Barometric Pressure (in.) =			29.50-29.61	Barometric Pressure (in.) =			29.45-29.50	Barometric Pressure (in.) =			29.04-29.23
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF1GMP-01	>100	28.5	5.9	17.8	>100	45.5	2.1	20.6	>100	32.4	2.5	18.8
LF1GMP-02	0	0.0	20.8	0.1	0	0.0	14.4	2.1	>100	8.1	0.0	12.8
LF1GMP-03	>100	14.8	10.2	10.7	>100	5.7	8.1	8.1	>100	18.2	0.0	22.1
LF1GMP-04	>100	55.6	0.0	43.4	10	0.5	14.3	4.5	>100	17.6	0.0	24.2
LF1GMP-06	>100	84.0	0.0	6.7	>100	70.8	0.0	4.3	>100	44.8	0.0	6.3
LF1GMP-08	0	0.0	19.9	0.6	0	0.0	20.5	1.1	0	0.0	16.3	2.5
LF1GMP-09	>100	45.0	0.0	21.3	47	2.4	7.7	4.0	>100	11.2	0.0	12.5
LF1GMP-10	>100	6.1	11.8	5.8	>100	9.0	6.8	10.7	>100	10.2	0.5	15.1
LF1GMP-11	0	0.0	2.0	0.2	0	0.0	23.8	0.1	0	0.0	16.1	2.3
LF1GMP-12	0	0.0	20.8	2.0	0	0.0	21.4	1.5	0	0.0	18.5	1.5
LF1GMP-13	0	0.0	19.4	0.0	0	0.0	18.1	1.3	0	0.0	15.1	2.2
LF1GMP-14	0	0.0	20.9	0.9	0	0.0	21.6	0.6	0	0.0	19.0	0.5
LF1GMP-15	0	0.0	19.0	0.6	0	0.0	22.3	0.1	0	0.0	19.2	0.5
LF1GMP-16	0	0.0	20.0	1.3	0	0.0	19.9	1.5	0	0.0	19.1	1.6
LF1GMP-17	0	0.0	19.3	0.2	0	0.0	19.6	1.5	0	0.0	19.4	1.5
LF1GMP-18	0	0.0	20.4	1.1	0	0.0	22.0	0.1	0	0.0	19.6	0.2
LF1GMP-19	0	0.0	19.9	9.0	0	0.0	22.0	0.3	0	0.0	18.6	0.7
LF1GMP-20	0	0.0	3.4	0.0	2	0.1	22.7	0.1	0	0.0	19.6	0.0
LF1GV-01	25	1.2	21.1	1.2	0	0.0	22.1	0.2	>100	8.0	13.6	8.1
LF1GV-02	>100	11.3	19.9	14.0	2	0.1	21.3	0.5	>100	7.6	12.5	9.8
LF1GV-03	58	2.9	15.2	5.2	3	0.1	21.0	0.7	>100	5.4	14.0	6.8
LF1GV-04	19	1.0	19.0	1.9	0	0.0	22.0	0.3	>100	15.2	0.3	20.9
LF1GV-05	>100	5.1	19.1	3.5	>100	6.1	19.5	8.8	>100	5.7	14.8	6.7
LF1GV-06	>100	8.8	7.6	14.8	>100	7.4	2.9	17.1	>100	8.2	6.8	12.2
LF1GV-07	0	0.0	20.9	0.0	>100	6.6	14.6	7.3	3	0.1	20.9	0.1
LF1GV-08	0	0.0	20.8	0.0	>100	6.5	17.0	4.8	13	0.6	20.6	0.5
LF1GV-09	20	1.0	20.0	1.0	47	2.3	19.2	2.1	16	0.8	20.6	0.7
LF1GV-10	0	0.0	20.9	0.0	>100	5.0	8.4	11.8	2	0.1	20.7	0.2
LF1GV-11	0	0.0	20.8	0.1	79	3.9	18.4	3.1	3	0.1	20.8	0.2
LF1GV-12	0	0.0	20.8	0.2	60	3.0	16.9	4.2	3	0.2	20.6	0.3
LF1GV-13	11	0.5	18.9	1.9	>100	20.4	0.4	22.5	2	0.1	20.3	0.9
LF1GV-14	0	0.0	20.9	0.1	>100	5.0	17.5	3.9	46	2.3	19.7	1.3
LF1GV-15	0	0.0	21.0	0.0	24	1.2	17.9	2.8	5	0.2	20.6	0.4
LF1GV-16	0	0.0	21.0	0.0	6	0.3	18.3	1.9	0	0.0	20.9	0.0
LF1GV-17	7	0.3	20.8	0.3	31	1.5	21.1	1.3	37	1.7	19.9	1.4
LF1GV-18	0	0.0	20.9	0.1	22	1.1	20.6	1.4	21	1.0	20.0	0.9
LF1GV-19	0	0.0	21.0	0.1	52	2.5	17.5	3.3	8	0.3	20.5	0.5
LF1GV-20	0	0.0	21.1	0.0	58	2.9	18.7	1.9	28	1.4	20.1	0.6
LF1GV-21	22	1.1	20.1	0.7	>100	5.9	18.9	2.4	76	3.8	19.6	1.1
LF1GV-22	4	0.2	21.0	0.1	>100	7.3	16.0	5.5	12	0.6	20.6	0.5
LF1GV-23	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
LF1GV-24	0	0.0	13.7	4.5	0	0.0	22.3	0.1	0	0.0	14.9	1.9
LF1GV-25	3	0.1	20.5	0.3	0	0.0	22.2	0.1	0	0.0	16.1	2.8
LF1GV-26	77	3.9	19.9	3.2	0	0.0	22.1	0.2	0	0.0	19.8	0.1
LF1GV-27	>100	9.2	14.1	6.9	0	0.0	21.8	0.1	0	0.0	19.6	0.2
LF1GV-28	8	0.4	20.7	0.4	0	0.0	22.0	0.1	0	0.0	17.7	1.4
LF1GV-29	0	0.0	21.1	0.0	0	0.0	19.6	1.6	0	0.0	19.9	0.1
LF1GV-30	0	0.0	21.1	0.0	0	0.0	21.9	0.1	0	0.0	19.6	0.3
LF1GV-31	0	0.0	20.6	0.4	0	0.0	21.8	0.1	0	0.0	14.2	4.1

Table 2-1
Landfill 1 AOC Gas Monitoring Results

Sample Location	31-Aug-10				26-Oct-10				12-May-11			
	Barometric Pressure (in.) =			29.40-29.29	Barometric Pressure (in.) =			29.13-29.20	Barometric Pressure (in.) =			29.41-29.21
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF1GMP-01	>100	52.5	0.9	24.6	>100	48.4	2.4	24.7	>100	36.9	0.8	22.2
LF1GMP-02	>100	28.6	0.1	18.1	26	1.3	7.9	3.6	>100	11.7	2.6	12.9
LF1GMP-03	>100	43.7	0.1	34.6	>100	46.1	0.8	34.0	>100	25.9	0.0	25.4
LF1GMP-04	>100	53.8	0.1	40.9	>100	24.8	8.6	20.4	>100	32.7	0.0	27.4
LF1GMP-06	>100	79.5	0.3	8.9	>100	24.2	12.9	3.5	>100	70.1	0.0	3.5
LF1GMP-08	0	0.0	7.4	8.4	0	0.0	18.8	0.8	0	0.0	14.4	3.4
LF1GMP-09	>100	45.7	0.3	22.9	60	3.0	17.5	1.8	>100	20.5	1.1	7.6
LF1GMP-10	>100	18.1	0.3	21.6	0	0.0	18.8	0.5	>100	11.2	0.6	15.9
LF1GMP-11	0	0.0	15.2	3.3	0	0.0	20.1	0.4	0	0.0	17.1	1.1
LF1GMP-12	0	0.0	17.9	2.3	0	0.0	19.9	0.7	0	0.0	19.1	0.5
LF1GMP-13	0	0.0	7.4	7.1	0	0.0	19.1	0.4	0	0.0	13.5	1.7
LF1GMP-14	0	0.0	15.6	2.0	0	0.0	18.9	0.4	0	0.0	18.4	0.4
LF1GMP-15	0	0.0	18.6	1.3	0	0.0	18.6	0.8	0	0.0	18.8	1.3
LF1GMP-16	0	0.0	17.7	2.5	0	0.0	18.7	1.7	0	0.0	18.7	1.4
LF1GMP-17	0	0.0	17.5	2.5	1	0.1	19.7	0.8	0	0.0	18.4	1.4
LF1GMP-18	0	0.0	17.5	2.4	0	0.0	19.6	1.0	0	0.0	19.7	0.0
LF1GMP-19	53	2.6	7.1	5.2	0	0.0	20.2	0.3	0	0.0	17.0	0.4
LF1GMP-20	0	0.0	20.1	0.0	0	0.0	20.3	0.3	0	0.0	19.9	0.0
LF1GV-01	>100	26.3	8.8	23.2	9	0.5	15.4	6.4	>100	7.2	15.9	5.9
LF1GV-02	>100	11.8	14.7	9.6	32	1.6	15.3	6.7	>100	14.0	10.5	12.7
LF1GV-03	>100	27.5	8.0	21.0	>100	8.5	12.9	9.1	>100	32.7	0.0	28.6
LF1GV-04	>100	24.2	5.5	22.2	>100	10.3	9.7	13.3	>100	20.8	4.4	20.4
LF1GV-05	>100	23.7	10.0	19.3	17	0.9	14.8	7.6	>100	14.5	13.5	12.3
LF1GV-06	>100	32.8	4.3	25.3	56	2.8	10.8	13.2	>100	20.3	7.9	17.8
LF1GV-07	>100	16.1	13.6	14.2	15	0.9	15.7	6.4	>100	12.6	15.0	8.4
LF1GV-08	>100	9.5	16.7	6.2	14	0.7	15.7	5.1	>100	6.6	17.8	4.3
LF1GV-09	>100	9.8	16.4	6.8	8	0.4	15.4	5.7	>100	10.7	16.6	4.6
LF1GV-10	>100	15.4	13.4	13.0	76	3.8	11.8	13.4	>100	11.3	14.0	9.6
LF1GV-11	>100	5.2	18.0	3.9	11	0.6	15.9	5.6	>100	8.4	17.2	4.5
LF1GV-12	>100	14.5	13.1	12.4	28	1.4	14.4	8.0	81	4.0	18.3	4.1
LF1GV-13	>100	13.5	12.8	11.4	90	4.3	9.8	14.6	>100	13.0	11.3	10.7
LF1GV-14	>100	5.0	18.2	3.5	11	0.6	15.2	5.9	>100	6.7	16.9	4.3
LF1GV-15	>100	6.5	16.6	6.9	0	0.0	16.8	3.4	77	4.0	17.5	3.6
LF1GV-16	>100	8.8	14.0	7.5	34	1.7	11.2	9.6	62	3.5	15.1	4.7
LF1GV-17	>100	5.8	17.5	5.1	17	0.9	15.4	6.2	>100	6.0	17.7	4.0
LF1GV-18	>100	9.3	15.9	6.9	13	0.7	15.7	4.8	74	3.7	18.4	2.9
LF1GV-19	>100	15.4	12.5	10.3	63	3.1	10.8	10.0	>100	9.9	14.2	7.2
LF1GV-20	>100	10.1	13.5	6.5	62	3.1	9.9	9.5	>100	11.2	11.8	7.0
LF1GV-21	>100	17.5	14.0	6.7	47	2.4	13.0	6.6	>100	19.5	12.5	7.1
LF1GV-22	>100	8.6	15.9	6.8	34	1.9	13.7	8.2	>100	7.6	15.7	5.2
LF1GV-23	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
LF1GV-24	>100	18.9	0.4	21.3	0	0.0	19.6	0.5	0	0.0	2.6	10.9
LF1GV-25	>100	26.9	0.2	26.5	39	1.9	17.0	3.2	5	0.8	13.1	4.4
LF1GV-26	>100	10.8	12.0	10.4	68	3.4	17.8	3.2	0	0.0	20.5	0.0
LF1GV-27	33	1.7	18.7	2.9	>100	10.7	13.6	8.0	53	2.2	15.8	4.4
LF1GV-28	5	0.2	19.7	0.3	11	0.6	20.2	0.4	0	0.0	20.4	0.0
LF1GV-29	26	1.3	17.8	2.4	>100	8.8	11.4	8.2	0	0.0	20.4	0.0
LF1GV-30	>100	8.6	10.4	11.7	0	0.0	20.2	0.4	0	0.0	20.6	0.0
LF1GV-31	>100	5.6	9.5	9.0	0	0.0	19.5	0.7	0	0.0	19.3	1.2

Table 2-1
Landfill 1 AOC Gas Monitoring Results

Sample Location	18-Oct-11				7-May-12				4-Oct-12			
	Barometric Pressure (in.) =			29.11-29.14	Barometric Pressure (in.) =			29.02-29.34	Barometric Pressure (in.) =			29.49-29.56
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF1GMP-01	0	0.0	21.2	0.0	>100	20.4	0.9	22.5	>100	30.5	3.9	19.4
LF1GMP-02	0	0.0	21.2	0.0	>100	21.7	0.0	13.9	>100	16.3	2.3	9.7
LF1GMP-03	>100	44.3	0.6	35.2	>100	24.3	0.0	28.1	>100	38.2	1.3	30.8
LF1GMP-04	>100	44.6	0.4	39.5	>100	31.4	0.0	28.4	56	2.8	19.3	3.1
LF1GMP-06	0	0.0	20.8	0.2	>100	52.9	0.0	5.0	>100	77.3	0.2	8.7
LF1GMP-08	0	0.0	20.0	1.0	0	0.0	13.4	3.4	0	0.0	20.6	0.4
LF1GMP-09	59	2.8	17.4	1.8	>100	19.2	0.0	11.5	>100	43.5	1.5	24.4
LF1GMP-10	>100	16.2	2.1	18.1	>100	13.0	0.2	15.1	53	2.5	17.1	4.1
LF1GMP-11	0	0.0	20.3	0.8	0	0.0	17.4	2.7	0	0.0	20.9	0.2
LF1GMP-12	0	0.0	20.2	1.6	0	0.0	20.5	1.6	0	0.0	20.7	0.6
LF1GMP-13	0	0.0	12.4	4.4	0	0.0	18.3	1.7	0	0.0	20.5	0.3
LF1GMP-14	0	0.0	19.6	0.6	0	0.0	21.5	0.3	0	0.0	20.7	0.7
LF1GMP-15	0	0.0	20.6	0.6	0	0.0	21.2	0.6	0	0.0	20.0	0.9
LF1GMP-16	0	0.0	21.1	0.0	0	0.0	22.0	0.0	0	0.0	20.7	0.2
LF1GMP-17	0	0.0	21.1	0.0	0	0.0	18.3	1.7	0	0.0	20.7	0.1
LF1GMP-18	0	0.0	21.0	0.5	0	0.0	20.5	1.7	0	0.0	15.0	3.4
LF1GMP-19	0	0.0	21.2	0.1	0	0.0	20.4	0.5	0	0.0	17.9	1.9
LF1GMP-20	0	0.0	21.4	0.0	0	0.0	21.9	0.0	0	0.0	21.2	0.0
LF1GV-01	0	0.0	21.5	0.1	>100	6.0	18.9	5.0	>100	18.9	4.4	21.7
LF1GV-02	0	0.0	20.2	1.6	>100	7.4	17.9	6.4	>100	25.4	2.6	26.3
LF1GV-03	0	0.0	21.0	0.4	74	3.8	19.8	3.0	>100	24.9	6.2	23.8
LF1GV-04	0	0.0	21.2	0.3	0	0.0	22.0	0.1	>100	17.0	12.9	14.7
LF1GV-05	0	0.0	21.2	0.6	>100	24.9	8.5	21.6	>100	26.7	6.6	25.2
LF1GV-06	0	0.0	21.4	0.2	>100	25.5	2.3	26.0	>100	20.7	3.1	23.9
LF1GV-07	0	0.0	21.9	0.0	>100	9.5	17.4	7.3	>100	20.4	10.7	18.5
LF1GV-08	0	0.0	21.8	0.0	>100	22.4	11.8	12.4	>100	13.2	14.4	8.4
LF1GV-09	0	0.0	21.8	0.0	>100	28.4	9.1	18.0	>100	12.3	13.4	10.2
LF1GV-10	0	0.0	21.6	0.1	>100	17.8	11.9	16.9	>100	33.3	2.5	31.5
LF1GV-11	0	0.0	22.0	0.0	>100	7.3	18.3	5.4	>100	18.5	9.2	16.2
LF1GV-12	0	0.0	22.0	0.0	>100	32.6	8.5	23.7	>100	15.0	9.7	15.8
LF1GV-13	19	0.9	17.0	4.1	>100	18.6	11.4	14.7	>100	21.0	8.2	18.5
LF1GV-14	6	0.3	21.1	0.7	>100	9.8	16.4	6.8	62	3.0	18.8	3.0
LF1GV-15	0	0.0	21.8	0.1	>100	8.3	17.3	4.7	25	1.2	19.5	1.5
LF1GV-16	0	0.0	21.9	0.0	>100	8.5	15.7	5.7	0	0.0	21.1	0.0
LF1GV-17	10	0.5	20.2	1.4	>100	23.2	10.9	14.9	0	0.0	21.2	0.0
LF1GV-18	0	0.0	21.6	0.1	>100	6.4	18.5	4.1	0	0.0	21.0	0.1
LF1GV-19	0	0.0	20.0	1.8	>100	7.7	17.8	4.4	0	0.0	21.2	0.0
LF1GV-20	0	0.0	21.4	0.1	>100	6.0	18.3	2.8	0	0.0	21.2	0.0
LF1GV-21	0	0.0	21.3	0.1	>100	10.3	18.5	2.7	0	0.1	21.1	0.0
LF1GV-22	0	0.0	21.3	0.3	>100	17.2	11.6	13.2	0	0.0	21.2	0.0
LF1GV-23	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
LF1GV-24	0	0.0	21.1	0.0	>100	5.8	6.1	7.6	>100	14.7	1.6	22.7
LF1GV-25	0	0.0	21.5	0.0	2	0.1	22.0	0.1	6	0.3	20.9	0.3
LF1GV-26	0	0.0	21.6	0.0	0	0.0	21.9	0.0	0	0.0	21.1	0.0
LF1GV-27	0	0.0	21.3	0.3	>100	12.2	12.3	8.8	0	0.0	21.1	0.0
LF1GV-28	0	0.0	21.6	0.0	0	0.0	21.9	0.0	0	0.0	21.1	0.0
LF1GV-29	0	0.0	21.6	0.0	0	0.0	22.0	0.0	0	0.0	21.1	0.0
LF1GV-30	0	0.0	21.5	0.5	2	0.2	21.9	0.0	0	0.0	21.2	0.0
LF1GV-31	0	0.0	20.1	1.3	0	0.0	20.5	0.2	4	0.2	20.5	0.6

Table 2-1
Landfill 1 AOC Gas Monitoring Results

Sample Location	29-Apr-13				21-Oct-13			
	Barometric Pressure (in.) = 29.59-29.63			Carbon Dioxide (%)	Barometric Pressure (in.) = 29.35-29.41			Carbon Dioxide (%)
	LEL (%)	Methane (%)	Oxygen (%)		LEL (%)	Methane (%)	Oxygen (%)	
LF1GMP-01	0	0.0	20.8	0.1	>100	23.5	4.9	16.7
LF1GMP-02	0	0.0	20.9	0.1	61	3.0	16.9	3.0
LF1GMP-03	0	0.0	20.9	0.0	>100	21.9	8.2	15.8
LF1GMP-04	0	0.0	20.8	0.2	>100	21.8	0.2	25.6
LF1GMP-06	>100	25.0	9.2	3.1	>100	7.8	11.4	2.4
LF1GMP-08	0	0.0	18.8	1.6	28	1.3	0.9	13.2
LF1GMP-09	3	0.1	20.7	0.2	>100	44.2	0.4	18.5
LF1GMP-10	25	1.2	18.8	0.5	>100	13.9	2.1	11.7
LF1GMP-11	0	0.0	18.6	1.9	0	0.0	18.5	1.8
LF1GMP-12	0	0.0	19.7	1.2	0	0.0	19.7	1.2
LF1GMP-13	0	0.0	19.9	0.8	0	0.0	20.0	1.3
LF1GMP-14	0	0.0	20.9	0.0	0	0.0	13.1	4.5
LF1GMP-15	0	0.0	17.5	1.6	0	0.0	18.8	1.1
LF1GMP-16	0	0.0	19.8	1.3	0	0.0	19.2	1.2
LF1GMP-17	0	0.0	19.7	1.3	0	0.0	20.8	0.7
LF1GMP-18	0	0.0	20.8	0.1	0	0.0	19.6	1.9
LF1GMP-19	0	0.0	20.9	0.0	0	0.0	20.8	0.4
LF1GMP-20	0	0.0	20.8	0.0	0	0.0	20.7	0.0
LF1GV-01	0	0.0	20.9	0.0	79	3.9	16.2	6.3
LF1GV-02	0	0.0	20.8	0.0	>100	6.4	12.1	10.5
LF1GV-03	0	0.0	20.7	0.0	59	3.0	15.4	5.8
LF1GV-04	0	0.0	20.7	0.0	>100	6.7	8.8	12.5
LF1GV-05	0	0.0	21.1	0.0	>100	6.2	15.2	7.6
LF1GV-06	0	0.0	21.1	0.0	>100	6.8	8.2	12.8
LF1GV-07	0	0.0	21.1	0.0	68	3.9	17.9	4.2
LF1GV-08	5	0.2	21.1	0.1	>100	7.3	16.0	6.9
LF1GV-09	2	0.1	21.1	0.1	79	4.0	15.8	3.7
LF1GV-10	0	0.0	20.9	0.0	>100	9.0	9.7	12.4
LF1GV-11	0	0.0	20.9	0.0	>100	6.0	16.6	4.0
LF1GV-12	0	0.0	21.1	0.0	>100	5.2	9.5	11.1
LF1GV-13	1	0.1	21.0	0.0	>100	5.3	16.8	4.6
LF1GV-14	0	0.0	21.0	0.0	47	2.4	19.0	2.1
LF1GV-15	0	0.0	21.0	0.0	20	1.0	20.4	1.0
LF1GV-16	0	0.0	21.2	0.0	65	3.3	9.1	8.6
LF1GV-17	0	0.0	21.1	0.0	80	4.2	17.9	3.7
LF1GV-18	0	0.0	21.3	0.0	93	4.7	15.5	5.3
LF1GV-19	0	0.0	21.2	0.0	>100	10.5	5.3	14.9
LF1GV-20	0	0.0	21.2	0.0	>100	5.3	16.6	3.7
LF1GV-21	2	0.1	21.1	0.0	>100	9.7	15.3	4.9
LF1GV-22	0	0.0	21.1	0.0	>100	6.2	15.1	6.9
LF1GV-23	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned	Abandoned
LF1GV-24	0	0.0	19.3	0.9	0	0.0	17.2	2.0
LF1GV-25	0	0.0	20.9	0.1	3	0.2	20.9	0.4
LF1GV-26	0	0.0	21.1	0.0	9	0.5	20.4	0.4
LF1GV-27	0	0.0	20.4	0.4	0	0.0	20.5	1.1
LF1GV-28	0	0.0	21.2	0.0	0	0.0	21.4	0.1
LF1GV-29	0	0.0	21.1	0.0	0	0.0	17.9	1.8
LF1GV-30	0	0.0	21.1	0.0	0	0.0	21.3	0.1
LF1GV-31	0	0.0	19.9	0.6	0	0.0	20.5	0.5

Table 2-2
Groundwater Analytical Results

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF1MW-5												
Date of Collection			12/8/2003	3/30/2004	6/28/2004	9/16/2004	12/14/2004	4/5/2005	6/22/2005	9/9/2005	12/21/2005	3/17/2006	6/19/2006	9/15/2006	12/18/2006
Sample ID No.			LF1M0526AA	LF1M0526BA	LF1M0526CA	LF1M0526DA	LF1M0526EA	LF1M0526FA	LF1M0526GA	LF1M0526HA	LF1M0526IA	LF1M0526JA	LF1M0526KA	LF1M0526LA	LF1M0526MA
Depth to Water (ft)			3.07	2.67	3.29	3.11	2.96	3.17	4.28	4.98	3.61	3.20	3.65	2.28	3.05
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-dichloroethane	5*	1	0.24 F	0.22 F	0.31 F	0.3 F	0.25 F	0.24 F	0.28 F	0.33 F	U	U	U	0.24 F	0.170 F
1,2,3-trichlorobenzene	5	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-trimethylbenzene	5*	1	20	20	23	31	8.7	1.1	1.3	U	0.35 F	U	U	U	U
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichlorobenzene	3	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dibromo-3-chloropropane	0.04	2	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3,5-trimethylbenzene	5*	1	7.6	7.4	6.2	6.3	1.2	0.3 F	U	0.49 F	U	U	U	U	U
1,3-dichlorobenzene	3	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	1.7	1.5	1.6	1.6	U	0.86	0.82	0.87	0.79	0.76	0.53	0.65 F	0.59
acetone	50	10	1.3 F	U	U	U	U	U	U	U	U	U	1.5 F	U	U
benzene	1	0.1	1.5	2.2	3.6	3.7	2.3	1.6	3.0	3.5	2.2	1.9	2.0	2.3	1.13
bromodichloromethane	50	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
bromoform	50	1	U	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
chlorobenzene	5*	0.5	2.2	2.8	3.6	3.6	2.3	1.4	2.3	2.7	1.8	1.7	1.8	2.02	1.12
chloroethane	5*	1	U	0.2 F	0.27 F	0.25 F	0.33 F	0.25 F	0.32 F	U	U	U	0.2 F	U	0.120 F
chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U	U	U	U
chloromethane	5*	1	U	U	U	U	U	U	0.23 F	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1	0.24 F	0.26 F	U	0.38 F	0.3 F	0.25 F	0.31 F	0.41 F	U	U	U	0.26 F	U
dichlorodifluoromethane	5*	1	U	0.44 F	0.4 F	0.37 F	0.34 F	U	0.36 F	U	U	U	U	U	U
ethylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
isopropylbenzene	5*	1	0.39 F	U	0.51 F	0.51 F	U	U	0.28 F	U	U	U	U	U	U
methylene chloride	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
methyl iodide	5*	0.5	U	U	U	U	U	U	0.22 F	U	U	U	U	U	U
n-propylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
m,p-xylene	5*	2	8.8	3.2	19	18	1.6 F	0.42 F	1.6 F	U	U	U	U	U	U
naphthalene	10	1	0.29 F	0.29 F	0.41 F	0.35 F	U	U	U	U	U	U	U	U	U
o-xylene	5*	1	U	U	0.27 F	U	U	U	U	U	U	U	U	U	U
p-isopropyltoluene	5*	1	U	U	0.36 F	0.39 F	U	U	U	U	U	U	U	U	U
sec-butylbenzene	5*	1	0.61 F	U	0.59 F	U	0.29 F	U	0.32 F	0.36 F	U	U	U	U	U
tetrachloroethene	5	1	U	U	U	U	U	U	U	U	U	U	U	U	U
tert-butylbenzene	5*	1	U	U	0.24 F	0.25 F	U	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	0.180 F
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
vinyl chloride	2	1	0.24 F	0.25 F	0.3 F	0.37 F	0.33 F	U	0.39 F	0.7 F	0.32 F	0.34 F	U	0.25 F	0.160 F
Total VOCs (µg/L)			45.11	38.76	60.66	67.37	17.94	6.42	11.73	9.36	5.46	4.7	6.03	5.72	3.28
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	450	423	380	416	380	373	354	324	352	377	420	96	360
ammonia	2	0.2	2.6	1.9	1.9	2	1.1	1.9	1.6	1.8	1.8	1.8 B	1.3	2.5	2.3
BOD5	--	2.4	4.5	5.1	5.8	3.7	U	6.5	3.6	U	3.2	14.5	5.5	4.2	4.2
bromide	2	0.5	U	0.27 F	0.2 F	0.19 F	U	U	U	0.26 F	0.48 F	0.1 F	0.11 F	0.11 F	0.11
COD	--	5	U	12.4	U	U	U	U	3.6 F	19.7	U	U	31.1 B	18	20 B
chloride	250	1	15.9	13.8	13.6	11.5	9.1	9.4	8.3	4.4	10	10.2	9.7	9.2	9.4
color	15	5	150	NA	NA	NA	NA	100	NA	NA	NA	60	NA	NA	NA
cyanide, Total	200	0.02	0.048 J	NA	NA	NA	NA	U	NA	NA	NA	U	NA	NA	NA
Fluoride	1.5	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
hardness, Total	--	1	1,290	384	396	390	324	330	312	420	350	285	188	390	340
nitrate	10	1	U	U	U	U	U	U	U	U	U	U	0.03 F	0.024 F	0.032 F
TKN	1	1	2.7	2.6	2.5	2.6	2.3	1.9	2.3	2.7	3.5	2.9	U	2.6	2.4
sulfate	250	1	U	U	U	0.74 F	1.2	U	1.4	1.7	0.75 F	0.46 F	0.77 F	0.6 F	0.54 F
TDS	500	10	485	428	453	450	395	398	339	349	370	396	392	430	390
TOC	--	1	3.5	3.6	2	3.1	3.5	2.7	2.7	2.8	2	2.2	2.7	2.4	2.8

For notes, please refer to the end of the Table Section.

Table 2-2
Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF1MW-5									
Date of Collection			4/4/2007	9/27/2007	4/2/2008	9/18/2008	4/17/2009	3/31/2010	6/16/2011	6/25/2012	6/10/2013	
Sample ID No.			LF1M0526NA	LF1M0526OA	LF1M0526PA	LF1M0526QA	LF1M0526RA	LF1M0526SA	LF1M0526TA	LF1M0526UA	LF1M0526VA	
Depth to Water (ft)			2.75	3.83	2.80	3.94	2.88	2.55	3.00	3.40	3.15	
VOCs (µg/L)												
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	U	U	
1,1-dichloroethane	5*	1	0.140 F	0.180 F	U	0.230 F	0.150 F	0.150 F	0.19 F	0.19 J	0.17 J	
1,2,3-trichlorobenzene	5	1	U	U	U	U	U	U	U	U	U	
1,2,4-trimethylbenzene	5*	1	U	U	U	U	U	U	U	U	U	
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	
1,2-dichlorobenzene	3	1	U	U	U	U	U	U	U	U	U	
1,2-dibromo-3-chloropropane	0.04	2	U	U	U	U	U	U	U	U	U	
1,3,5-trimethylbenzene	5*	1	U	U	U	U	U	U	U	U	U	
1,3-dichlorobenzene	3	1	U	U	U	U	U	U	U	U	U	
1,4-dichlorobenzene	3	0.5	0.480 F	0.550	0.470 F	0.590	0.420 F	0.450 F	0.44 F	0.44 J	0.39 J	
acetone	50	10	U	U	U	U	U	1.32 F	U	U	7.0 J	
benzene	1	0.1	0.740 F	2.03	0.690	2.23	0.880	0.360 F	1.5	1.8	1.4	
bromodichloromethane	50	0.5	U	U	U	U	U	U	U	U	U	
bromoform	50	1	U	U	U	U	U	U	U	U	U	
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U	U	
chlorobenzene	5*	0.5	0.980 F	1.98	0.750	1.77	0.930	0.480 F	1.2	1.2	0.96 J	
chloroethane	5*	1	U	U	U	U	U	U	U	U	U	
chloroform	7	0.3	U	U	U	U	U	U	U	U	U	
chloromethane	5*	1	U	U	U	U	U	U	U	U	U	
cis-1,2-dichloroethene	5*	1	0.160 F	0.250 F	U	0.300 F	0.170 F	0.140 F	0.25 F	0.30 J	0.23 J	
dichlorodifluoromethane	5*	1	U	0.300 F	U	U	U	U	U	U	U	
ethylbenzene	5*	1	U	U	U	U	U	U	U	U	U	
isopropylbenzene	5*	1	U	U	U	U	U	U	U	U	U	
methylene chloride	5*	1	U	U	U	U	U	U	U	U	U	
methyl iodide	5*	0.5	U	U	U	U	U	U	U	U	U	
n-propylbenzene	5*	1	U	U	U	U	U	U	U	U	U	
m,p-xylene	5*	2	U	U	U	U	U	U	U	U	U	
m,p-xylene	10	1	U	U	U	U	U	U	U	U	U	
o-xylene	5*	1	U	U	U	U	U	U	U	U	U	
p-isopropyltoluene	5*	1	U	U	U	U	U	U	U	U	U	
sec-butylbenzene	5*	1	U	U	U	U	U	U	U	U	U	
tetrachloroethene	5	1	U	U	U	U	U	U	U	U	U	
tert-butylbenzene	5*	1	U	U	U	U	U	U	U	U	U	
trichloroethene (TCE)	5*	1	U	U	0.130 F	0.120 F	0.140 F	0.120 F	U	U	U	
toluene	5*	1	U	U	U	U	U	U	U	U	U	
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U	U	
vinyl chloride	2	1	0.110 F	0.660 F	U	U	U	U	U	U	0.25 J	
Total VOCs (µg/L)			2.61	5.95	2.04	5.24	2.69	3.02	3.58	3.93	9.47	
Leachate Indicators (mg/L)												
alkalinity, Total	--	10	370	360	360	350	350	360 B	400	400	400	
ammonia	2	0.2	2.4	2.4	2.30	1.8	2.1	1.9	1.4	0.76	2.1	
BOD5	--	2.4	5.0	5.9	4.4	4.4	4.4	4.1	3.4 F	U	3.8	
bromide	2	0.5	U	0.076 F	0.096 F	0.077 F	0.081 F	0.12	0.17 F	0.18 J	U	
COD	--	5	19 B	13	11	8.2 F	10	U	7.3 F	9.3 J	14 J	
chloride	250	1	8.6	6.5	8.0	5.5	5.8	12 B	14	11	10	
color	15	5	NA	NA	U	NA	U	U	35	U	U	
cyanide, Total	200	0.02	NA	NA	NA	NA	NA	NA	NA	U	U	
Fluoride	1.5	1	NA	NA	NA	NA	NA	NA	0.13 J	0.12 J	U	
hardness, Total	--	1	380	290	320	330	18	350 B	360	350	360	
nitrate	10	1	U	0.035 F	0.041 F	0.041 F	U	0.061 BF	U	U	U	
TKN	1	1	2.3	2.2	2.2	2.4	2.2	2.5	2.0	2.0	1.6	
sulfate	250	1	0.65 F	1.0	1.0	0.71 F	0.78 F	U	U	U	0.38 J	
TDS	500	10	410	400	380	380	370	370	410	410	420	
TOC	--	1	2.4	2.8	3.5	2.4	1.9	2.4	2.4	2.2	2.3	

For notes, please refer to the end of the Table Section.

Table 2-2
Groundwater and Surface Water Sampling Results

Location of Well		NYSDEC Class GA Standards	Reporting Limit	LF1MW-6											
Date of Collection	12/5/2003			3/30/2004	6/28/2004	9/16/2004	12/15/2004	4/1/2005	6/22/2005	9/9/2005	12/21/2005	3/20/2006	6/19/2006	9/14/2006	12/18/2006
Sample ID No.	LF1M0620AA			LF1M0620BA	LF1M0620CA	LF1M0620DA	LF1M0620EA	LF1M0620FA	LF1M0620GA	LF1M0620HA	LF1M0620IA	LF1M0620JA	LF1M0620KA	LF1M0620LA	LF1M0620MA
Depth to Water (ft)	2.58	2.11	2.88	2.66	2.64	2.50	3.13	3.41	2.76	2.74	3.09	2.75	2.59		
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-dichloroethane	5*	1	U	U	U	U	U	U	0.33 F	U	U	U	U	U	U
1,2,3-trichlorobenzene	5	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-trimethylbenzene	5*	1	U	U	U	U	U	U	U	1.6	U	U	U	U	U
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichlorobenzene	3	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dibromo-3-chloropropane	0.04	2	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3,5-trimethylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3-dichlorobenzene	3	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U	U	1.1	U	U	U	0.14 F	U
acetone	50	10	U	1.4 F	3.3 F	U	U	U	U	U	U	1.2 F	1.27 F	U	U
benzene	1	0.1	U	U	U	U	U	U	U	3.3	U	U	U	0.12 F	U
bromodichloromethane	50	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
bromoform	50	1	U	0.32 F	U	U	0.33 F	U	U	U	U	U	0.31 F	0.250 F	U
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
chlorobenzene	5*	0.5	U	U	U	U	U	U	U	3.4	U	U	U	U	U
chloroethane	5*	1	U	U	U	U	U	U	U	0.38 F	U	U	U	U	U
chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U	U	U	U
chloromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	0.61 F	U	U	U	U	U
dichlorodifluoromethane	5*	1	U	U	U	U	U	U	U	0.62 F	U	U	U	U	U
ethylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
isopropylbenzene	5*	1	U	U	U	U	U	U	U	0.58 F	U	U	U	U	U
methylene chloride	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	0.210 F
methyl iodide	5*	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
n-propylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
m,p-xylene	5*	2	U	U	U	U	U	U	U	2.1	U	U	U	U	U
naphthalene	10	1	U	U	U	U	U	U	U	U	U	U	U	U	U
o-xylene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
p-isopropyltoluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
sec-butylbenzene	5*	1	U	U	U	U	U	U	U	0.4 F	U	U	U	U	U
tetrachloroethene	5	1	U	U	U	U	U	U	U	U	U	U	U	U	U
tert-butylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	0.18 F	U
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
vinyl chloride	2	1	U	U	U	U	U	U	U	1.2	U	U	U	U	U
Total VOCs (µg/L)			0	1.72	3.3	0	0.33	0	0	16.22	0	0	1.2	2.02	0.46
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	265 B	247	190	220	230	250	280	492	326	256	292	230	230
ammonia	2	0.2	0.41	0.31	0.39	0.43	0.33	0.4	0.5	2.1	0.82	0.54	0.44	0.68	0.52
BOD5	--	2.4	2.8	3.8	4.7	U	3.8	2.5	4.8	7.8	U	U	U	7.8	3.4
bromide	2	0.5	U	U	U	0.19 F	U	U	0.20 F	U	0.56	0.59	0.07 F	0.14 F	0.13
COD	--	5	U	U	U	U	U	U	U	22.6	10.6	11.7	U	11	20 B
chloride	250	1	24 B	23.5	27.5	26.4	23.2	23.2	22.1	15.1	21	19.3	21	22	23
color	15	5	0	NA	NA	NA	NA	12	NA	NA	NA	13	NA	NA	NA
cyanide, Total	200	0.02	0.066 B	NA	NA	NA	NA	U	NA	NA	NA	U	NA	NA	NA
Fluoride	1.5	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
hardness, Total	--	1	272 B	228	180	420	272	224	264	640	330	250	188	140 B	220
nitrate	10	1	U	U	U	U	U	U	U	0.04 F	0.11 F	U	U	0.012 F	U
TKN	1	1	0.46	0.51	0.51	0.54 B	0.43	0.49	0.72	5.6	2.2	0.71	2.2	0.64	0.59
sulfate	250	1	U	U	U	U	U	U	U	U	U	U	U	U	U
TDS	500	10	296 B	287	252	249	286	278	322	536	349	299	286	280	270
TOC	--	1	U	0.76 F	U	U	U	0.68 F	0.75 F	3.2	0.62 F	1.1	0.54 F	0.71 F	0.70 F

For notes, please refer to the end of the Table Section.

Table 2-2
Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF1MW-6									
Date of Collection			4/4/2007	9/27/2008	4/2/2008	9/18/2008	4/20/2009	3/31/2010	6/15/2011	6/25/2012	6/10/2013	
Sample ID No.			LF1M0620NA	LF1M0620OA	LF1M0620PA	LF1M0620QA	LF1M0620RA	LF1M0620SA	LF1M0620TA	LF1M0620UA	LF1M0620VA	
Depth to Water (ft)			2.23	3.24	2.25	2.91	2.20	NS	1.58	2.3	2.95	
VOCs (µg/L)												
1,1,1-trichloroethane	5*	1	U	U	U	U	U	NS	U	U	NA	
1,1-dichloroethane	5*	1	U	0.150 F	U	U	U	NS	U	U	NA	
1,2,3-trichlorobenzene	5	1	U	U	U	U	U	NS	U	U	NA	
1,2,4-trimethylbenzene	5*	1	U	1.08	U	0.200 F	U	NS	U	U	NA	
1,2-dichloroethane	0.6	1	U	U	U	U	U	NS	U	U	NA	
1,2-dichlorobenzene	3	1	U	U	U	U	U	NS	U	U	NA	
1,2-dibromo-3-chloropropane	0.04	2	U	U	U	U	U	NS	U	U	NA	
1,3,5-trimethylbenzene	5*	1	U	0.140 F	U	U	U	NS	U	U	NA	
1,3-dichlorobenzene	3	1	U	U	U	U	U	NS	U	U	NA	
1,4-dichlorobenzene	3	0.5	U	0.400 F	U	U	U	NS	U	U	NA	
acetone	50	10	U	U	U	U	U	NS	U	U	NA	
benzene	1	0.1	U	1.65	U	0.410 F	U	NS	U	0.27 J	NA	
bromodichloromethane	50	0.5	U	U	U	U	U	NS	U	U	NA	
bromoform	50	1	U	U	U	U	U	NS	U	0.27 J	NA	
carbon disulfide	1,000	0.5	U	U	U	U	U	NS	U	U	NA	
chlorobenzene	5*	0.5	U	0.93	U	U	U	NS	U	U	NA	
chloroethane	5*	1	U	U	U	U	U	NS	U	U	NA	
chloroform	7	0.3	U	U	U	U	U	NS	U	U	NA	
chloromethane	5*	1	U	U	U	U	U	NS	U	U	NA	
cis-1,2-dichloroethene	5*	1	U	0.180 F	U	U	U	NS	U	U	NA	
dichlorodifluoromethane	5*	1	U	0.270 F	U	U	U	NS	U	U	NA	
ethylbenzene	5*	1	U	U	U	U	U	NS	U	U	NA	
isopropylbenzene	5*	1	U	0.160 F	U	U	U	NS	U	U	NA	
methylene chloride	5*	1	U	0.230 F	U	U	U	NS	U	U	NA	
methyl iodide	5*	0.5	U	U	U	U	U	NS	U	U	NA	
n-propylbenzene	5*	1	U	U	U	U	U	NS	U	U	NA	
m,p-xylene	5*	2	U	0.730 F	U	0.160 F	U	NS	U	U	NA	
naphthalene	10	1	U	U	U	U	U	NS	U	U	NA	
o-xylene	5*	1	U	U	U	U	U	NS	U	U	NA	
p-isopropyltoluene	5*	1	U	U	U	U	U	NS	U	U	NA	
sec-butylbenzene	5*	1	U	U	U	U	U	NS	U	U	NA	
tetrachloroethene	5	1	U	U	U	U	U	NS	U	U	NA	
tert-butylbenzene	5*	1	U	U	U	U	U	NS	U	U	NA	
trichloroethene (TCE)	5*	1	U	U	U	U	U	NS	U	U	NA	
toluene	5*	1	U	U	U	U	U	NS	U	U	NA	
trichlorofluoromethane	5*	1	U	U	U	U	U	NS	U	U	NA	
vinyl chloride	2	1	U	U	U	U	U	NS	U	U	NA	
Total VOCs (µg/L)			0	4.92	0	0.77	0	NS	0	0.54	NA	
Leachate Indicators (mg/L)												
alkalinity, Total	—	10	230	440	280	280	240	NS	390	360	330	
ammonia	2	0.2	0.50	2.4	0.72	1.10	0.54	NS	1.6 F	0.44	1.0	
BOD5	—	2.4	4.2	6.7	U	10	3.3	NS	1.8 F	2.6	1.9 J	
bromide	2	0.5	0.11	0.16	0.13	0.14	0.14	NS	0.17 F	0.21 J	U	
COD	—	5	10 B	8.5 F	6.3 F	U	6.0 F	NS	U	8.0 J	15 J	
chloride	250	1	22	16	21	19	20	NS	16	U	17	
color	15	5	NA	NA	U	NA	U	NS	30	25	U	
cyanide, Total	200	0.02	NA	NA	NA	NA	NA	NS	NA	U	U	
Fluoride	1.5	1	NA	NA	NA	NA	NA	NS	U	U	U	
hardness, Total	—	1	230	389	250	280	220	NS	330	290	290	
nitrate	10	1	U	0.016 F	0.021 F	0.016 F	U	NS	U	0.052 J	U	
TKN	1	1	0.54	2.2	0.67	1.1	0.57	NS	1.2	1.5	1.0	
sulfate	250	1	U	U	U	U	U	NS	U	U	0.37 J	
TDS	500	10	280	490	310	330	280	NS	410	380	340	
TOC	—	1	0.47 F	2.0	0.50 F	0.73 F	U	NS	1.2	1.1	0.90 J	

For notes, please refer to the end of the Table Section.

Table 2-2
Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF1MW-10												
Date of Collection			12/9/2003	3/30/2004	6/28/2004	9/17/2004	12/15/2004	4/4/2005	6/23/2005	9/8/2005	12/22/2005	3/16/2006	9/14/2006	4/3/2007	9/26/2007
Sample ID No.			LF1M1029AA	LF1M1030BA	LF1M1029CA	LF1M1030DA	LF1M1030EA	LF1M1030FA	LF1M1030GA	LF1M1030HA	LF1M1030IA	LF1M1030JA	LF1M1030LA	LF1M1030NA	LF1M1030OA
Depth to Water (ft)			25.67	25.03	25.57	26.12	25.92	25.46	26.24	27.65	26.81	25.27	26.60	24.60	27.10
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-dichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,3-trichlorobenzene	5	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-trimethylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichlorobenzene	3	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dibromo-3-chloropropane	0.04	2	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3,5-trimethylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3-dichlorobenzene	3	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	3.9	2	1.2	1.7	1.2	0.98	0.69	1.2	1	0.64	0.52 F	0.240 F	0.400 F
acetone	50	10	U	U	U	U	U	U	U	U	U	U	U	U	U
benzene	1	0.1	U	U	U	U	U	U	U	U	U	U	U	U	U
bromodichloromethane	50	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
bromoform	50	1	U	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
chlorobenzene	5*	0.5	0.7	0.25 F	U	U	U	U	U	U	U	U	U	U	U
chloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U	U	U	U
chloromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
dichlorodifluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	0.130 F	U
ethylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
isopropylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
methyl iodide	5*	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
n-propylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
m,p-xylene	5*	2	U	U	U	U	U	U	U	U	U	U	U	U	U
naphthalene	10	1	U	U	U	U	U	U	U	U	U	U	U	U	U
o-xylene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
p-isopropyltoluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
sec-butylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
tetrachloroethene	5	1	U	U	U	U	U	U	U	U	U	U	0.21 F	0.120 F	0.260 F
tert-butylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1	U	U	U	U	U	U	U	U	U	U	0.1 F	U	0.130 F
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	0.230 F
vinyl chloride	2	1	U	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs (µg/L)			4.6	2.25	1.2	1.7	1.2	0.98	0.69	1.2	1	0.64	0.83	0.49	1.02
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	170	174	174	191	193	184	204	215	233	190	230	200	230
ammonia	2	0.2	1.1	0.39	0.25	0.19	0.15	0.13	0.2	0.17	0.16	0.041 F	0.048 F	0.038 F	0.071
BOD5	--	2.4	U	2.3	U	U	U	U	U	U	U	U	U	U	U
bromide	2	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
COD	--	5	U	17.4	U	U	U	U	4.3 F	5.3 F	18.8 B	U	5 F	10 B	8.5 F
chloride	250	1	2.0	0.39 F	1.7	1.7	1.4	1.4	1.4 B	1.2	1.2	0.68 F	1.1	0.80 F	0.85 F
color	15	5	25	NA	NA	NA	NA	7.5	U	NA	NA	U	NA	NA	NA
cyanide, Total	200	0.02	U	NA	NA	NA	NA	U	U	NA	NA	0.0062 F	NA	NA	NA
Fluoride	1.5	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
hardness, Total	--	1	210	188	196	200	208	182	216	230	270 B	147	240	530	200 J
nitrate	10	1	U	0.88 F	0.23 F	0.13 F	0.07 F	0.14 F	0.26 F	0.04 F	0.26 F	0.26 F	0.17 F	0.32	0.18
TKN	1	1	0.96	0.66	0.46	0.38	U	U	0.5 B	0.76	0.61	U	U	U	0.13 F
sulfate	250	1	14.7	9.2	9.1	7.4	8.5	14.3	15 B	14.2	10	6.9	13	11	9.2
TDS	500	10	225	186	199	196	224	221	226	234	245	230	270	210	250
TOC	--	1	1.1	3.1	U	0.6 F	U	0.78 F	0.78 F	1 B	U	0.51 F	0.73 F	0.65 F	0.90 F

For notes, please refer to the end of the Table Section.

Table 2-2
Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF1MW-10									
Date of Collection			4/1/2008	9/17/2008	4/21/2009	3/30/2010	6/15/2011	6/26/2012	6/11/2013			
Sample ID No.			LF1M1030PA	LF1M1030QA	LF1M1030RA	LF1M1030SA	LF1M1030TA	LF1M1030UA	LF1M1030VA			
Depth to Water (ft)			24.52	26.55	24.44	25.90	NS	25.9	25.53			
VOCs (µg/L)												
1,1,1-trichloroethane	5*	1	U	U	U	U	NS	U	U			
1,1-dichloroethane	5*	1	U	U	U	U	NS	U	U			
1,2,3-trichlorobenzene	5	1	U	U	U	U	NS	U	U			
1,2,4-trimethylbenzene	5*	1	U	U	U	U	NS	U	U			
1,2-dichloroethane	0.6	1	U	U	U	U	NS	U	U			
1,2-dichlorobenzene	3	1	U	U	U	U	NS	U	U			
1,2-dibromo-3-chloropropane	0.04	2	U	U	U	U	NS	U	U			
1,3,5-trimethylbenzene	5*	1	U	U	U	U	NS	U	U			
1,3-dichlorobenzene	3	1	U	U	U	U	NS	U	U			
1,4-dichlorobenzene	3	0.5	0.340 F	U	U	0.180 F	NS	U	U			
acetone	50	10	U	U	U	1.33 F	NS	U	3.4 J			
benzene	1	0.1	U	U	U	U	NS	U	U			
bromodichloromethane	50	0.5	U	U	U	U	NS	U	U			
bromoform	50	1	U	U	U	U	NS	U	U			
carbon disulfide	1,000	0.5	U	U	U	U	NS	U	U			
chlorobenzene	5*	0.5	U	U	U	U	NS	U	U			
chloroethane	5*	1	U	U	U	U	NS	U	U			
chloroform	7	0.3	U	U	U	U	NS	U	U			
chloromethane	5*	1	U	U	U	U	NS	U	U			
cis-1,2-dichloroethene	5*	1	U	U	U	U	NS	U	U			
dichlorodifluoromethane	5*	1	U	U	U	U	NS	U	U			
ethylbenzene	5*	1	U	U	U	U	NS	U	U			
isopropylbenzene	5*	1	U	U	U	U	NS	U	U			
methylene chloride	5*	1	U	U	U	U	NS	U	U			
methyl iodide	5*	0.5	U	U	U	U	NS	U	U			
n-propylbenzene	5*	1	U	U	U	U	NS	U	U			
m,p-xylene	5*	2	U	U	U	U	NS	U	U			
naphthalene	10	1	U	U	U	U	NS	U	U			
o-xylene	5*	1	U	U	U	U	NS	U	U			
p-isopropyltoluene	5*	1	U	U	U	U	NS	U	U			
sec-butylbenzene	5*	1	U	U	U	U	NS	U	U			
tetrachloroethene	5	1	0.170 F	0.200 F♦	0.180 F	0.280 F	NS	U	0.21 J ♦			
tert-butylbenzene	5*	1	U	U	U	U	NS	U	U			
trichloroethene (TCE)	5*	1	U	U	U	0.120 F	NS	U	U			
toluene	5*	1	U	U	U	U	NS	U	U			
trichlorofluoromethane	5*	1	U	U	U	U	NS	U	U			
vinyl chloride	2	1	U	U	U	U	NS	U	U			
Total VOCs (µg/L)			0.51	0.200	0.180	1.91	NS	0	0.21			
Leachate Indicators (mg/L)												
alkalinity, Total	--	10	200	250	200	230	NS	230	210			
ammonia	2	0.2	0.026 F	0.050 B♦	U	U	NS	0.11 JB	0.11			
BOD5	--	2.4	U	U	U	U	NS	U	U			
bromide	2	0.5	U	U	U	U	NS	U	U			
COD	--	5	8.5 F	U	6.0 F	U	NS	0.78 J ♦	13 J			
chloride	250	1	0.79 F	0.79 F	0.53 F	0.39 F	NS	1.9 J	2.0 J			
color	15	5	U	NA	U	U	NS	U	U			
cyanide, Total	200	0.02	NA	NA	NA	NA	NS	U	U			
Fluoride	1.5	1	NA	NA	NA	NA	NS	0.075 J	0.070 J ♦			
hardness, Total	--	1	220	280	220	250	NS	220	240 ♦			
nitrate	10	1	0.36	0.098 F	0.62	0.21	NS	0.59 ♦	0.39 J ♦			
TKN	1	1	0.13 F	0.25 B	U	0.24 B	NS	0.70 J	0.59 J			
sulfate	250	1	22	12	15	17	NS	6.0	6.2 J			
TDS	500	10	230	270	250	250	NS	240	230			
TOC	--	1	0.71 F	0.97 F	0.54 F	0.77 F	NS	0.78 J ♦	0.63 J ♦			

For notes, please refer to the end of the Table Section.

Table 2-2
Groundwater and Surface Water Sampling Results

Location of Well			NYSDEC Class GA Groundwater Standards		Reporting Limit		LF1MW-11											
Date of Collection		12/5/2003					3/29/2004	6/25/2004	9/16/2004	12/15/2004	4/1/2005	6/22/2005	9/8/2005	12/23/2005	3/16/2006	6/19/2006	9/15/2006	12/18/2006
Sample ID No.		LF1M1111AA					LF1M1111BA	LF1M1111CA	LF1M1111DA	LF1M1111EA	LF1M1111FA	LF2M1111GA	LF1M1111HA	LF1M1111IA	LF1M1111JA	LF1M1111KA	LF1M1111LA	LF1M1111MA
Depth to Water (ft)			2.99	2.57	3.31	3.10	3.13	2.89	3.64	3.98	3.35	3.01	4.90	3.65	3.21			
VOCs (µg/L)																		
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U			
1,1-dichloroethane	5*	1	1.6	0.93 F	1.2	1.3	1.2	0.29 F	1.1	0.8 F	1.1	1.2	0.86 F	0.93 F	1.05			
1,2,3-trichlorobenzene	5	1	U	U	U	U	U	0.22 F	U	U	U	U	U	U	U			
1,2,4-trimethylbenzene	5*	1	U	0.27 F	0.58 F	U	U	U	U	U	U	U	U	U	U			
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	U	0.13 F	0.120 F			
1,2-dichlorobenzene	3	1	13	11	10	12	9	2.3	8.9	11	8.1	8.2	8.8	9.72	8.37			
1,2-dibromo-3-chloropropane	0.04	2	U	U	U	U	U	U	U	U	U	U	U	U	U			
1,3,5-trimethylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U			
1,3-dichlorobenzene	3	1	1.5	1	1.4	1.4	1	0.3 F	1.2	1.6	1.1	0.94 F	0.99 F	0.99 F	0.860 F			
1,4-dichlorobenzene	3	0.5	16	13	13	14	11	2.9	11	14	10	10	11	11.7	10.0			
acetone	50	10	U	U	3.6 F	U	U	1.8 F	2 F	U	U	U	2.3 F	3.89 F	2.30 F			
benzene	1	0.1	4.9	3.4	3.6	3.7	3.3	0.62	3	2.6	2.7	2.9	2.4	2.43	2.53			
bromodichloromethane	50	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U			
bromoform	50	1	U	U	U	U	U	U	U	U	U	U	U	U	U			
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U			
chlorobenzene	5*	0.5	17	14	14	14	12	2.3	11	13	10	10	11	10.4	9.70			
chloroethane	5*	1	1.2	0.66 F	0.78 F	0.91 F	1	U	1.2	0.73 F	0.68 F	0.93 F	0.94 F	0.95 F	0.840 F			
chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U	U	U	U			
chloromethane	5*	1	U	U	U	U	U	U	U	U	U	U	0.2 F	U	U			
cis-1,2-dichloroethene	5*	1	0.48 F	0.32 F	U	0.46 F	0.45 F	U	0.37 F	U	U	U	U	0.26 F	0.340 F			
dichlorodifluoromethane	5*	1	2.7	2.4	2.3	2.6	2.4	0.36 F	2.3	U	2	2.8	1.5	1.62	1.27			
ethylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U			
isopropylbenzene	5*	1	2.1	1.7	1.8	1.7	1.3	U	0.65 F	0.5 F	U	U	U	U	U			
methylene chloride	5*	1	U	U	U	U	U	U	U	U	U	U	U	0.18 F	0.190 F			
methyl iodide	5*	0.5	U	U	U	U	U	U	0.21 F	U	U	U	U	U	U			
n-propylbenzene	5*	1	1.8	0.88 F	0.67 F	0.41 F	U	U	U	U	U	U	U	U	U			
m,p-xylene	5*	2	U	U	U	U	U	U	U	U	U	U	U	U	U			
naphthalene	10	1	0.3 F	U	U	U	U	U	U	U	U	U	U	U	U			
o-xylene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U			
p-isopropyltoluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U			
sec-butylbenzene	5*	1	0.88 F	0.58 F	0.89 F	0.84 F	0.63	U	0.5 F	0.59 F	U	U	U	U	U			
tetrachloroethene	5	1	U	U	U	U	U	U	U	U	U	U	U	U	U			
tert-butylbenzene	5*	1	0.28 F	U	0.34 F	0.36 F	0.28	U	0.37 F	U	U	U	0.24 F	0.17 F	0.190 F			
trichloroethene (TCE)	5*	1	U	U	U	U	U	U	U	0.39 F	U	U	U	U	U			
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	0.24 F	U			
trichlorofluoromethane	5*	1	0.14	U	U	U	U	U	U	U	U	U	U	U	U			
vinyl chloride	2	1	1.9	1.3	1.3	1.6	1.8	0.24 F	1.4	1	1.2	1.5	1	1.18	1.17			
Total VOCs (µg/L)			65.78	51.44	54.86	55.28	45.36	11.33	45.20	46.21	36.88	36.97	41.23	44.79	38.93			
Leachate Indicators (mg/L)																		
alkalinity, Total	--	10	558 M	540	483	564	553	307	545	460	504	518	611	590	520			
ammonia	2	0.2	3.6 M	2.3	2.3	3.4	2.3	0.85	2.5	2.9	3	2.2	1.9	4.2	4			
BOD5	--	2.4	7.4	3.8	2.9	5.6	5.7	5.4	4.7	U	12.3	3 B	6.2	16	14			
bromide	2	0.5	U	0.24 F	0.27 F	U	U	U	0.2 F	0.21 F	0.26 F	0.52	0.09 F	0.13 F	0.14			
COD	--	5	19.5	34.1	U	18.2	14.8	13.5	11.7	13.3	25.3	17.4	30.1 B	22	24 B			
chloride	250	1	13 B	11.3	12.4	12.8	11.4	7.4	12.3	12.6	10.8	8.2	9.6	11	13			
color	15	5	80	NA	NA	NA	NA	120	NA	NA	NA	120	NA	NA	NA			
cyanide, Total	200	0.02	0.022 M	NA	NA	NA	NA	U	NA	NA	NA	U	NA	NA	NA			
Fluoride	1.5	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
hardness, Total	--	1	564 B	448	496	550	500	240	484	38.4 F	460	528	626	500	500			
nitrate	10	1	U	0.03 F	U	U	0.06 F	U	U	0.5 F	U	U	U	0.027 F	0.070 F			
TKN	1	1	4.1	3.6	3.7	3.4	3.4	1.1	3.6	5.2	5.4	3.6	3.2	3.9	4.0			
sulfate	250	1	1.9 B	3.3	4.2	3	2	2.6	2.6	2.2	1.6	3.6	4.2	3.5	2.8			
TDS	500	10	573 B	587	566	576	592	306	594	465	480	520	572	590	570			
TOC	--	1	6.2	4.9	4.2	5	4.4	5	4.6	4.3 B	3.6	3	4.4	4	4.0			

For notes, please refer to the end of the Table Section.

Table 2-2
Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF1MW-11									
Date of Collection			4/3/2007	9/26/2007	4/1/2008	9/17/2008	4/17/2009	3/31/2010	6/15/2011	6/21/2012	6/10/2013	
Sample ID No.			LF1M1111NA	LF1M1111OA	LF1M1111PA	LF1M1111QA	LF1M1111RA	LF1M1111SA	LF1M1111TA	LF1M1111UA	LF1M1111VA	
Depth to Water (ft)			3.00	4.33	2.67	3.82	3.06	2.56	3.45	4.07	3.23	
VOCs (µg/L)												
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	U	U	
1,1-dichloroethane	5*	1	0.950 F	0.750 F	0.750 F	0.740 F	0.730 F	0.900 F	0.81 F	0.73 J	0.76 J	
1,2,3-trichlorobenzene	5	1	U	U	U	U	U	U	U	U	U	
1,2,4-trimethylbenzene	5*	1	U	U	U	U	U	U	U	U	U	
1,2-dichloroethane	0.6	1	U	0.130 F	U	U	U	U	U	U	0.18 J	
1,2-dichlorobenzene	3	1	6.69	9.81	5.84	6.95	5.80	6.04	5.0	5.8	4.8	
1,2-dibromo-3-chloropropane	0.04	2	U	U	U	U	U	U	U	U	U	
1,3,5-trimethylbenzene	5*	1	U	0.100 F	U	U	U	U	U	U	U	
1,3-dichlorobenzene	3	1	0.740 F	1.16	0.660 F	0.780 F	0.600 F	0.710 F	0.54 F	0.59 J	0.55 J	
1,4-dichlorobenzene	3	0.5	7.84	11.10	7.24	8.49	7.18	7.53	6.0	6.4	5.3	
acetone	50	10	U	U	U	U	U	1.78 F	U	U	U	
benzene	1	0.1	2.09	1.98	1.67	1.82	1.58	2.06	1.7	1.6	1.5	
bromodichloromethane	50	0.5	U	U	U	U	U	U	U	U	U	
bromoform	50	1	U	U	U	U	U	U	U	U	U	
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U	U	
chlorobenzene	5*	0.5	8.10	9.89	6.49	8.05	7.06	7.18	6.3	6.8	5.7	
chloroethane	5*	1	0.650 F	0.670 F	0.610 F	0.720 F	0.700 F	0.54 F	0.52 J	0.52 J	0.50 J	
chloroform	7	0.3	U	U	U	U	U	U	U	U	U	
chloromethane	5*	1	U	U	U	U	U	U	U	U	U	
cis-1,2-dichloroethene	5*	1	0.280 F	0.260 F	0.230 F	0.260 F	0.180 F	0.260 F	0.25 F	0.20 J	0.26 J	
dichlorodifluoromethane	5*	1	1.06	0.740 F	0.760 F	0.670 F	1.29	0.280 F	U	U	0.57 J	
ethylbenzene	5*	1	U	U	U	U	U	U	U	U	U	
isopropylbenzene	5*	1	U	U	U	U	U	U	U	U	U	
methylene chloride	5*	1	0.120 F	U	U	U	U	U	U	U	U	
methyl iodide	5*	0.5	U	U	U	U	U	U	U	U	U	
n-propylbenzene	5*	1	U	U	U	U	U	U	U	U	U	
m,p-xylene	5*	2	U	U	U	U	U	U	U	U	U	
naphthalene	10	1	U	U	U	U	U	U	U	U	U	
o-xylene	5*	1	U	U	U	U	U	U	U	U	U	
p-isopropyltoluene	5*	1	U	U	U	U	U	U	U	U	U	
sec-butylbenzene	5*	1	U	U	U	U	U	U	U	U	U	
tetrachloroethene	5	1	U	U	U	U	U	U	U	U	U	
tert-butylbenzene	5*	1	0.170 F	0.290 F	U	0.210 F	0.120 F	0.170 F	U	U	U	
trichloroethene (TCE)	5*	1	U	U	0.180 F	U	U	0.160 F	U	U	U	
toluene	5*	1	0.150 F	0.180 F	0.130 F	0.180 F	0.130 F	0.150 F	U	U	U	
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U	U	
vinyl chloride	2	1	1.22	0.840 F	0.940 F	0.800 F	0.870 F	0.970 F	0.88 F	U	0.53 J	
Total VOCs (µg/L)			30.06	37.90	25.50	29.67	26.24	28.91	22.02	21.91	22.0	
Leachate Indicators (mg/L)												
alkalinity, Total	--	10	520	460	530	490	510	560 B	540	510	470	
ammonia	2	0.2	4	3.9	3.6	4.1	3.5	3.3	2.6	1.4	3.1	
BOD5	--	2.4	14	6.8	14	12	14	19	7.9	8.3	4.4	
bromide	2	0.5	0.14	0.10	0.12	0.11	0.15	0.10	0.15 F	0.15 J	U	
COD	--	5	24 B	15	17	13	17	9.9 F	9.7 F	9.7 J	21	
chloride	250	1	13	9.2	9.7	7.9	10.0	8.2 B	11.0	8.4	6.3	
color	15	5	NA	NA	120	NA	U	U	25	25	U	
cyanide, Total	200	0.02	1	1	1	NA	NA	NA	U	U	U	
Fluoride	1.5	1	1	1	1	1	1	1	0.18 J	0.22 J	U	
hardness, Total	--	1	500	380	490	540	500	530 B	380	470	450	
nitrate	10	1	0.070 F	0.053 F	0.086 F	U	U	U	U	U	U	
TKN	1	1	4.0	3.7	3.7	4.0	3.7	4.1	2.9	3 B	2.3	
sulfate	250	1	2.8	2.9	2.1	0.94	0.83 F	0.43 BF	0.39 F	U	0.81 J	
TDS	500	10	570	500	530	340	540	570	550	500	510	
TOC	--	1	4.0	3.5	3.4	3.5	3.0	4.0	2.9	2.8	2.6	

For notes, please refer to the end of the Table Section.

Table 2-2
Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF1MW-12												
Date of Collection			12/8/2003	3/29/2004	6/25/2004	9/16/2004	12/14/2004	4/1/2005	6/22/2005	9/8/2005	12/23/2005	3/16/2006	9/15/2006	4/4/2007	9/26/2007
Sample ID No.			LF1M1212AA	LF1M1212BA	LF1M1212CA	LF1M1212DA	LF1M1212EA	LF1M1212FA	LF1M1212GA	LF1M1212HA	LF1M1212IA	LF1M1212JA	LF1M1212LA	LF1M1212NA	LF1M1212OA
Depth to Water (ft)			3.09	2.72	3.31	3.13	3.14	2.92	4.48	5.39	3.57	3.15	4.35	2.85	5.77
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-dichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,3-trichlorobenzene	5	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-trimethylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichlorobenzene	3	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dibromo-3-chloropropane	0.04	2	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3,5-trimethylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3-dichlorobenzene	3	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U	U	U	U	U	0.16 F	U	U
acetone	50	10	2 F	U	2.8 F	1.8 F	U	U	U	U	U	U	1.31 F	U	U
benzene	1	0.1	U	U	U	U	U	U	U	U	U	U	U	U	U
bromodichloromethane	50	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
bromoform	50	1	U	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
chlorobenzene	5*	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
chloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U	U	U	U
chloromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	0.230 F
dichlorodifluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
ethylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
isopropylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	U	U	U	U	U	U	U	U	U	U	U	0.110 F	U
methyl iodide	5*	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
n-propylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
m,p-xylene	5*	2	U	U	U	U	U	U	U	U	U	U	U	U	U
naphthalene	10	1	U	U	U	U	U	U	U	U	U	U	U	U	U
o-xylene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
p-isopropyltoluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
sec-butylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
tetrachloroethene	5	1	U	U	U	U	U	U	U	U	U	U	U	U	U
tert-butylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1	0.74 F	0.55 F	0.78 F	0.99 F	0.74 F	0.44 F	0.48 F	0.66 F	0.69 F	0.7 F	0.53 F	0.390 F	0.280 F
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
vinyl chloride	2	1	U	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs (µg/L)			2.74	0.55	3.56	2.79	0.74	0.44	0.48	0.66	0.69	0.7	2	0.5	0.51
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	97.7	93.2	87.9	114	122	119	125	163	202	169	290	130	170
ammonia	2	0.2	U	U	0.012 F	0.041 F	U	0.05	0.057	0.18	0.11 B	U	0.15	0.054 B	0.43
BOD5	--	2.4	U	U	U	U	U	U	U	U	U	U	U	U	2.3
bromide	2	0.5	U	U	U	U	U	U	U	U	0.17 F	U	0.034 F	0.022 F	0.17
COD	--	5	U	U	U	U	U	U	U	7.6 F	14.8	12.2	7.1 F	6.1 F	13
chloride	250	1	9.4	15.8	11.3	9.3	16.2	7	8.4	7.3	10.2	8.4	7	5.7	21
color	15	5	2.5	NA	NA	NA	NA	7.5	NA	NA	NA	20	NA	NA	NA
cyanide, Total	200	0.02	0.041 J	NA	NA	NA	NA	U	NA	NA	NA	U	NA	NA	NA
Fluoride	1.5	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
hardness, Total	--	1	250	104	120	140	444	136	132	170	210	137	160	150	140
nitrate	10	1	U	0.82 F	0.51 F	0.28 F	U	U	U	U	U	U	U	U	U
TKN	1	1	U	0.12 F	U	U	0.22 B	0.16 F	U	1	1.9	U	0.061 F	U	0.42
sulfate	250	1	9.1	7.9	8.1	7.3	6.1	5	3	4.4	7.5	7.3	3.8	4.4 B	2.1
TDS	500	10	142	140	154	145	165	166	183	192	223	205	160	170	220
TOC	--	1	U	U	U	U	0.66 F	0.52 F	0.68 F	3.1 B	0.71 F	0.45 F	0.67 F	U	1.9 B

For notes, please refer to the end of the Table Section.

Table 2-2
Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF1MW-12									
Date of Collection			4/2/2008	9/17/2008	4/17/2009	3/31/2010	6/15/2011	6/26/2012	6/10/2013			
Sample ID No.			LF1M1212PA	LF1M1212QA	LF1M1212RA	LF1M1212SA	LF1M1212TA	LF1M1212UA	LF1M1212VA			
Depth to Water (ft)			2.79	4.65	3.11	2.78	3.31	4.6	3.21			
VOCs (µg/L)												
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U			
1,1-dichloroethane	5*	1	U	U	U	U	U	U	U			
1,2,3-trichlorobenzene	5	1	U	U	U	U	U	U	U			
1,2,4-trimethylbenzene	5*	1	U	U	U	U	U	U	U			
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U			
1,2-dichlorobenzene	3	1	U	U	U	U	U	U	U			
1,2-dibromo-3-chloropropane	0.04	2	U	U	U	U	U	U	U			
1,3,5-trimethylbenzene	5*	1	U	U	U	U	U	U	U			
1,3-dichlorobenzene	3	1	U	U	U	U	U	U	U			
1,4-dichlorobenzene	3	0.5	0.200 F	U	U	U	U	U	U			
acetone	50	10	U	U	U	2.47 F	U	U	U			
benzene	1	0.1	U	U	U	U	U	U	U			
bromodichloromethane	50	0.5	U	U	U	U	U	U	U			
bromoform	50	1	U	U	U	U	U	U	U			
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U			
chlorobenzene	5*	0.5	U	U	U	U	U	U	U			
chloroethane	5*	1	U	U	U	U	U	U	U			
chloroform	7	0.3	U	U	U	U	U	U	U			
chloromethane	5*	1	U	U	U	U	U	U	U			
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U			
dichlorodifluoromethane	5*	1	U	U	U	U	U	U	U			
ethylbenzene	5*	1	U	U	U	U	U	U	U			
isopropylbenzene	5*	1	U	U	U	U	U	U	U			
methylene chloride	5*	1	U	U	U	U	U	U	U			
methyl iodide	5*	0.5	U	U	U	U	U	U	U			
n-propylbenzene	5*	1	U	U	U	U	U	U	U			
m,p-xylene	5*	2	U	U	U	U	U	U	U			
naphthalene	10	1	U	U	U	U	U	U	U			
o-xylene	5*	1	U	U	U	U	U	U	U			
p-isopropyltoluene	5*	1	U	U	U	U	U	U	U			
sec-butylbenzene	5*	1	U	U	U	U	U	U	U			
tetrachloroethene	5	1	U	U	U	U	U	U	U			
tert-butylbenzene	5*	1	U	U	U	U	U	U	U			
trichloroethene (TCE)	5*	1	0.510 F	0.700 F	0.490 F	0.500 F	0.50 F	0.64 J	0.56 J			
toluene	5*	1	U	U	U	U	U	U	U			
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U			
vinyl chloride	2	1	U	U	U	U	U	U	U			
Total VOCs (µg/L)			0.71	0.70	0.49	2.97	0.50	0.64	0.56			
Leachate Indicators (mg/L)												
alkalinity, Total	--	10	200	170	180	120 B	160	160	190			
ammonia	2	0.2	0.13	0.11 B	0.032 F	0.027 F	0.19	0.083 JB	0.040 J			
BOD5	--	2.4	U	U	U	U	U	1.4 J	1.5 J			
bromide	2	0.5	0.035 F	0.040 F	0.027 F	U	U	U	U			
COD	--	5	U	U	3.7 F	U	U	10 J	11 J			
chloride	250	1	6.3	5.5	5.3	10 B	6.2	5.0	4.5 J			
color	15	5	U	NA	U	U	U	25	U			
cyanide, Total	200	0.02	NA	NA	NA	NA	NA	U	U			
Fluoride	1.5	1	NA	NA	NA	NA	U	U	0.069 J			
hardness, Total	--	1	200	170	170	140 B	150	150	200			
nitrate	10	1	U	U	U	0.026 BF	U	U	0.059 J			
TKN	1	1	U	0.27 B	U	0.18 F	0.50 F	0.80 J	0.46 J			
sulfate	250	1	4.3	4.3	3.8	5.8 B	2.1 J	1.8 J	3.0 J			
TDS	500	10	210	160	98	160	180	180	190			
TOC	--	1	0.47 F	0.53 F	U	1.7	0.74 F	0.66 J	0.56 J			

For notes, please refer to the end of the Table Section.

Table 2-2
Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF1MW-13											
Date of Collection			12/8/2003	3/29/2004	6/25/2004	9/16/2004	12/14/2004	4/1/2005	6/22/2005	9/8/2005	12/23/2005	3/14/2006	9/15/2006	4/3/2007
Sample ID No.			LF1M1316AA	LF1M1316BA	LF1M1316CA	LF1M1316DA	LF1M1316EA	LF1M1316FA	LF1M1316GA	LF1M1316HA	LF1M1316IA	LF1M1316JA	LF1M1316LA	LF1M1316NA
Depth to Water (ft)			6.32	4.92	7.28	6.53	5.54	5.14	8.21	9.18	7.13	5.68	7.88	4.92
VOCs (µg/L)														
1,1,1-trichloroethane	5*	1	U	U	U	UM	U	U	U	U	U	U	U	U
1,1-dichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U
1,2,3-trichlorobenzene	5	1	U	U	U	U	U	UM	U	U	U	U	U	U
1,2,4-trimethylbenzene	5*	1	U	U	U	U	U	U	UM	U	U	U	U	U
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichlorobenzene	3	1	U	U	U	U	U	U	U	UM	U	U	U	U
1,2-dibromo-3-chloropropane	0.04	2	U	U	U	U	U	U	U	U	U	U	U	U
1,3,5-trimethylbenzene	5*	1	U	U	UM	U	U	U	UM	U	U	U	U	U
1,3-dichlorobenzene	3	1	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U	U	UM	U	U	0.18 F	U
acetone	50	10	U	U	4.9 F	1.4 F	U	U	U	U	U	U	1.03 F	U
benzene	1	0.1	U	U	U	U	U	U	U	U	U	U	U	U
bromodichloromethane	50	0.5	U	U	U	UM	U	U	U	UM	U	U	U	U
bromoform	50	1	U	U	U	U	U	U	U	UM	U	U	U	U
carbon disulfide	1,000	0.5	U	U	U	U	U	U	UM	U	U	U	U	U
chlorobenzene	5*	0.5	U	U	U	U	U	U	U	UM	U	U	U	U
chloroethane	5*	1	U	U	U	U	UM	U	U	U	U	U	U	U
chloroform	7	0.3	U	U	U	U	U	U	U	UM	U	U	U	U
chloromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U
dichlorodifluoromethane	5*	1	U	U	U	U	U	UM	U	U	U	U	U	U
ethylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U
isopropylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	U	U	U	U	UM	U	U	UM	U	U	0.19 F	0.200 F
methyl iodide	5*	0.5	U	U	U	U	U	U	U	U	U	U	U	U
n-propylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U
m,p-xylene	5*	2	U	U	U	U	U	U	U	U	U	U	U	U
naphthalene	10	1	U	U	U	U	U	U	UM	U	U	U	U	U
o-xylene	5*	1	U	U	U	U	U	U	UM	U	U	U	U	U
p-isopropyltoluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U
sec-butylbenzene	5*	1	U	U	U	U	U	UM	U	U	U	U	U	U
tetrachloroethene	5	1	U	U	U	U	U	U	U	U	U	U	U	U
tert-butylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1	U	U	U	U	U	U	U	U	U	U	U	U
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	UM	U	U	U	U
vinyl chloride	2	1	2.5	2.5	1.7	2.1	2.7 M	2.2	1.8	2.6	1.8	2	1.12	1.28
Total VOCs (µg/L)			2.5	2.5	6.6	3.5	2.7	2.2	1.8	2.6	1.8	2	2.52	1.48
Leachate Indicators (mg/L)														
alkalinity, Total	--	10	258	252	229 M	260 M	256	270	247	276 M	243	230 B	200	240
ammonia	2	0.2	0.23	0.17	0.2	0.21 J	0.13 M	0.19	0.13	0.23	0.26 M	0.042 F	0.32	0.14
BOD5	--	2.4	U	U	2.7	U	U	U	U	2.1	U	U	2.1	U
bromide	2	0.5	U	U	U	U	U	U	U	UM	0.4 M	U	0.087 F	0.094 F
COD	--	5	U	U	UM	U	U	11.4	3.6 F	15.9	13.2 J	U	14	13 B
chloride	250	1	18.1	18.2	18.3	19.6	15.9 M	18	20.7	15.7 M	16.6 M	17.6 B	20	16
color	15	5	150 J	NA	NA	NA	NA	120	NA	NA	NA	80	NA	NA
cyanide, Total	200	0.02	U	NA	NA	NA	NA	0.0091 M	NA	NA	NA	U	NA	NA
Fluoride	1.5	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
hardness, Total	--	1	330	252	216 M	240	232	236	232	392	260	176	200	220
nitrate	10	1	U	U	U	UM	U	U	U	UM	0.08 F	U	0.028 F	U
TKN	1	1	0.31	0.56	0.47	0.23 B	0.48 B	0.29	0.43	1.1	1 J	0.25 B	0.26 F	0.30 J
sulfate	250	1	9.4	7.8	8.3	7.5	6.1 M	6.8	7.8	6 M	5.6	7.1	4.7 F	6.5
TDS	500	10	312	318	312	280	338	292	310	268	278	316	250	270
TOC	--	1	2.2	2.1	0.52 F	2.1	2.7	2.4	2	2.4 B	1.9	U	2.5	3.2

For notes, please refer to the end of the Table Section.

Table 2-2
Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF1MW-13									
Date of Collection			4/1/2008	9/17/2008	4/17/2009	3/30/2010	6/16/2011	6/21/2012	6/6/2013			
Sample ID No.			LF1M1316PA	LF1M1316QA	LF1M1316RA	LF1M1316SA	LF1M1316TA	LF1M1316UA	LF1M1316VA			
Depth to Water (ft)			4.65	8.59	6.33	5.85	6.8	7.35	6.85			
VOCs (µg/L)												
1,1,1-trichloroethane	5*	1	U	U	U	U	NA	NA	NA			
1,1-dichloroethane	5*	1	U	U	U	U	NA	NA	NA			
1,2,3-trichlorobenzene	5	1	U	U	U	U	NA	NA	NA			
1,2,4-trimethylbenzene	5*	1	U	U	U	U	NA	NA	NA			
1,2-dichloroethane	0.6	1	U	U	U	U	NA	NA	NA			
1,2-dichlorobenzene	3	1	U	U	U	U	NA	NA	NA			
1,2-dibromo-3-chloropropane	0.04	2	U	U	U	U	NA	NA	NA			
1,3,5-trimethylbenzene	5*	1	U	U	U	U	NA	NA	NA			
1,3-dichlorobenzene	3	1	U	U	U	U	NA	NA	NA			
1,4-dichlorobenzene	3	0.5	0.180 F	U	U	U	NA	NA	NA			
acetone	50	10	U	U	U	1.31*	NA	NA	NA			
benzene	1	0.1	U	U	U	U	NA	NA	NA			
bromodichloromethane	50	0.5	U	U	U	U	NA	NA	NA			
bromoform	50	1	U	U	U	U	NA	NA	NA			
carbon disulfide	1,000	0.5	U	U	U	U	NA	NA	NA			
chlorobenzene	5*	0.5	U	U	U	U	NA	NA	NA			
chloroethane	5*	1	U	U	U	U	NA	NA	NA			
chloroform	7	0.3	U	U	U	U	NA	NA	NA			
chloromethane	5*	1	U	U	U	U	NA	NA	NA			
cis-1,2-dichloroethene	5*	1	U	U	U	U	NA	NA	NA			
dichlorodifluoromethane	5*	1	U	U	U	U	NA	NA	NA			
ethylbenzene	5*	1	U	U	U	U	NA	NA	NA			
isopropylbenzene	5*	1	U	U	U	U	NA	NA	NA			
methylene chloride	5*	1	U	U	U	U	NA	NA	NA			
methyl iodide	5*	0.5	U	U	U	U	NA	NA	NA			
n-propylbenzene	5*	1	U	U	U	U	NA	NA	NA			
m,p-xylene	5*	2	U	U	U	U	NA	NA	NA			
naphthalene	10	1	U	U	U	U	NA	NA	NA			
o-xylene	5*	1	U	U	U	U	NA	NA	NA			
p-isopropyltoluene	5*	1	U	U	U	U	NA	NA	NA			
sec-butylbenzene	5*	1	U	U	U	U	NA	NA	NA			
tetrachloroethene	5	1	U	U	U	U	NA	NA	NA			
tert-butylbenzene	5*	1	U	U	U	U	NA	NA	NA			
trichloroethene (TCE)	5*	1	U	U	U	U	NA	NA	NA			
toluene	5*	1	U	U	U	U	NA	NA	NA			
trichlorofluoromethane	5*	1	U	U	U	U	NA	NA	NA			
vinyl chloride	2	1	1.48	1.25	1.16*	1.27	NA	NA	NA			
Total VOCs (µg/L)			1.66	1.25	1.16	2.58	NA	NA	NA			
Leachate Indicators (mg/L)												
alkalinity, Total	--	10	230	190	220*	210	210*	200	200			
ammonia	2	0.2	0.17	0.34	0.17	0.16*	0.57	0.21 B*	0.25 J			
BOD5	--	2.4	U	2.3	U	U	3.9*	U	U			
bromide	2	0.5	0.078 F*	0.075 F	0.089 F*	0.078 F*	U	0.13 J	U			
COD	--	5	15*	8.2 F	13	12*	4.6 F	8.6*	15 J			
chloride	250	1	14	14	15	13	14	14	12			
color	15	5	100	NA	45	U	35	50*	U			
cyanide, Total	200	0.02	NA	NA	NA	NA	U	U	U			
Fluoride	1.5	1	NA	NA	NA	NA	U	U	0.070 J			
hardness, Total	--	1	230	200	200	210*	200	180	170			
nitrate	10	1	0.016 F	U	0.025 F	0.015 F	U	U	U			
TKN	1	1	0.2	0.49 B	0.18 F*	0.54 B*	0.57 F	1.4 B*	0.63 J			
sulfate	250	1	5.2	5.8	5.7	6.0	6.8	6.9*	5.9			
TDS	500	10	370 J*	210	240	250	240	220	230			
TOC	--	1	2.1 J*	2.0	1.5	2.0*	1.9	2.2	2.8			

For notes, please refer to the end of the Table Section.

Table 2-2
Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF1MW-14															
Date of Collection			12/15/2004	4/4/2005	6/22/2005	9/9/2005	12/19/2005	3/15/2006	9/15/2006	4/3/2007	9/26/2007	4/2/2008	9/18/2008	4/21/2009	3/30/2010	6/16/2011	6/26/2012	6/6/2013
Sample ID No.			LF1M1413EA	LF1M1413FA	LF1M1413GA	LF1M1413HA	LF1M1414IA	LF1M1414JA	LF1M1410LA	LF1M1414NA	LF1M1413OA	LF1M1414PA	LF1M1412QA	LF1M1412RA	LF1M1414SA	LF1M1414TA	LF1M1411UA	LF1M1414VA
Depth to Water (ft)			6.91	5.87	10.67	12.88	8.41	6.64	10.42	5.90	15.63	5.37	11.90	7.41	6.85	8.90	10.75	8.47
VOCs (µg/L)																		
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA	NA
1,1-dichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA	NA
1,2,3-trichlorobenzene	5	1	U	U	0.28 F	U	U	U	U	U	U	U	U	U	U	NA	NA	NA
1,2,4-trimethylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA	NA
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA	NA
1,2-dichlorobenzene	3	1	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA	NA
1,2-dibromo-3-chloropropane	0.04	2	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA	NA
1,3,5-trimethylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA	NA
1,3-dichlorobenzene	3	1	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA	NA
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA	NA
acetone	50	10	U	U	U	U	U	U	U	U	U	U	U	U	1.45	NA	NA	NA
benzene	1	0.1	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA	NA
bromodichloromethane	50	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA	NA
bromoform	50	1	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA	NA
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA	NA
chlorobenzene	5*	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA	NA
chloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA	NA
chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA	NA
chloromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA	NA
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA	NA
dichlorodifluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA	NA
ethylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA	NA
isopropylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA	NA
methylene chloride	5*	1	U	U	U	U	U	U	U	0.250 F	U	U	U	U	U	NA	NA	NA
methyl iodide	5*	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA	NA
n-propylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA	NA
m,p-xylene	5*	2	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA	NA
naphthalene	10	1	U	U	0.21 F	U	U	U	U	U	U	U	U	U	U	NA	NA	NA
o-xylene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA	NA
p-isopropyltoluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA	NA
sec-butylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA	NA
tetrachloroethene	5	1	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA	NA
tert-butylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA	NA
trichloroethene (TCE)	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA	NA
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA	NA
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA	NA
vinyl chloride	2	1	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA	NA
Total VOCs (µg/L)			0	0	0.49	0	0	0	0	0	0.25	0	0	0	1.45	NA	NA	NA
Leachate Indicators (mg/L)																		
alkalinity, Total	--	10	57	52.1	58.2	70.1	52.2	28.7	64	42	76	48	66	54	46	66	68	60
ammonia	2	0.2	0.071 F	0.024 F	U	0.076	U	U	U	0.012 F	0.11	0.013 F	U	U	U	0.14 F	0.13 B	0.033 J
BOD5	--	2.4	U	U	U	U	U	U	U	U	NA	U	U	U	U	U	U	U
bromide	2	0.5	U	U	U	U	U	0.52	U	U	U	U	U	U	U	U	U	U
COD	--	5	U	U	U	8.8 F	18.4	U	7.1 F	8.3 F	120	4.1 F	U	3.7 F	U	U	6.0 J	22
chloride	250	1	5.5	4.7	8.1	7.6	2.7	1.9	3.4	1.6	6.0	1.4	2.1	0.75 F	4.4	3.0	6.7	2.8 J
color	15	5	NA	25	NA	NA	NA	10	NA	NA	NA	U	NA	U	U	U	U	U
cyanide, Total	200	0.02	NA	U	NA	NA	NA	U	NA	NA	NA	NA	NA	NA	NA	U	U	U
Fluoride	1.5	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	U	U	U
hardness, Total	--	1	72	58	84	105	88	21.3	76 B	56	80	48	92	50	63	66	84	73
nitrate	10	1	0.070 F	0.38 F	U	0.83 F	0.1 F	U	0.2 F	0.072 F	0.15	0.43	0.24	0.15	1.3	U	0.98	0.95
TKN	1	1	0.23	U	U	0.4	0.065	U	0.3 F	U	4.3	U	0.48	0.93	0.19 FB	0.54 F	0.82 JB	0.70 J
sulfate	250	1	10.2	9.9	10.5	10	10.5	9.8	9.1	9.8	7.8	8.0	7.5	8.0	7.9	8.0	8.3	7.0
TDS	500	10	107	778	121	140	99	95	98	68	150	67	47	66	74	83	100	80
TOC	--	1	U	0.76 F	0.45 F	0.84 F	U	0.71 F	0.61 F	0.61 F	3.4	1.3	0.45 F	0.58 F	0.74 F	0.94 F	0.98 J	1.0

For notes, please refer to the end of the Table Section.

Table 2-2
Groundwater and Surface Water Sampling Results

Location of Well		NYSDEC Class GA Groundwater Standards	Reporting Limit	LF1MW-1R										
Date of Collection	12/5/2003			4/4/2005	3/15/2006	4/3/2007	4/1/2008	4/21/2009	3/30/2010	6/20/2011	6/26/2012	6/12/2013		
Sample ID No.	LF1M01R11AA			LF1M01R11FA	LF1M01R11JA	LF1M01R11NA	LF1M01R11PA	LF1M01R11RA	LF1M01R11SA	LF1M01R11TA	LF1M01R11UA	LF1M01R11VA		
Depth to Water (ft)	4.30			3.99	3.14	4.09	3.75	4.15	4.18	4.93	4.62	4.02		
VOCs (µg/L)														
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	NA	NA	NA		
1,1-dichloroethane	5*	1	U	U	U	U	U	U	U	NA	NA	NA		
1,2,3-trichlorobenzene	5	1	U	U	U	U	U	U	U	NA	NA	NA		
1,2,4-trimethylbenzene	5*	1	U	U	U	U	U	U	U	NA	NA	NA		
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	NA	NA	NA		
1,2-dichlorobenzene	3	1	U	U	U	U	U	U	U	NA	NA	NA		
1,2-dibromo-3-chloropropane	0.04	2	U	U	U	U	U	U	U	NA	NA	NA		
1,3,5-trimethylbenzene	5*	1	U	U	U	U	U	U	U	NA	NA	NA		
1,3-dichlorobenzene	3	1	U	U	U	U	U	U	U	NA	NA	NA		
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U	U	NA	NA	NA		
acetone	50	10	U	U	U	U	U	U	1.63 F	NA	NA	NA		
benzene	1	0.1	U	U	U	U	U	U	U	NA	NA	NA		
bromodichloromethane	50	0.5	U	U	U	U	U	U	U	NA	NA	NA		
bromoform	50	1	U	U	U	U	U	U	U	NA	NA	NA		
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	NA	NA	NA		
chlorobenzene	5*	0.5	U	U	U	U	U	U	U	NA	NA	NA		
chloroethane	5*	1	U	U	U	U	U	U	U	NA	NA	NA		
chloroform	7	0.3	U	U	U	U	U	U	U	NA	NA	NA		
chloromethane	5*	1	U	U	U	U	U	U	U	NA	NA	NA		
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	NA	NA	NA		
dichlorodifluoromethane	5*	1	U	U	U	U	U	U	U	NA	NA	NA		
ethylbenzene	5*	1	U	U	U	U	U	U	U	NA	NA	NA		
isopropylbenzene	5*	1	U	U	U	U	U	U	U	NA	NA	NA		
methylene chloride	5*	1	U	U	U	U	U	U	U	NA	NA	NA		
methyl iodide	5*	0.5	U	U	U	U	U	U	U	NA	NA	NA		
n-propylbenzene	5*	1	U	U	U	U	U	U	U	NA	NA	NA		
m,p-xylene	5*	2	U	U	U	U	U	U	U	NA	NA	NA		
naphthalene	10	1	U	U	U	U	U	U	U	NA	NA	NA		
o-xylene	5*	1	U	U	U	U	U	U	U	NA	NA	NA		
p-isopropyltoluene	5*	1	U	U	U	U	U	U	U	NA	NA	NA		
sec-butylbenzene	5*	1	U	U	U	U	U	U	U	NA	NA	NA		
tetrachloroethene	5	1	U	U	U	U	U	U	U	NA	NA	NA		
tert-butylbenzene	5*	1	U	U	U	U	U	U	U	NA	NA	NA		
trichloroethene (TCE)	5*	1	U	U	U	U	U	U	U	NA	NA	NA		
toluene	5*	1	U	U	U	U	U	U	U	NA	NA	NA		
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	NA	NA	NA		
vinyl chloride	2	1	U	U	U	U	U	U	U	NA	NA	NA		
Total VOCs (µg/L)			0	0	0	0	0	0	1.63	NA	NA	NA		
Leachate Indicators (mg/L)														
alkalinity, Total	--	10	43.8 B	44.3	47.3	34	36	30	40	59	41	25		
ammonia	2	0.2	U	0.076	0.061	0.080	0.037 F	0.07	0.046 F	0.25	0.13 JB	0.093 J		
BOD5	--	2.4	U	U	U	U	U	U	U	U	U	U		
bromide	2	0.5	U	0.32 F	0.49 F	0.033 F	0.028 F	0.014 F	U	U	U	U		
COD	--	5	U	19.2	13.2	19 B	20	17	6.5 F	U	37	18 J		
chloride	250	1	33 B	40.4	13.7	9.4	7.0	6.3	7.3	10.0	10.0	8.2		
color	15	5	80	40	80	NA	80	50	U	40	U	U		
cyanide, Total	200	0.02	0.034 B	U	U	NA	NA	NA	NA	NA	U	U		
Fluoride	1.5	1	NA	NA	NA	NA	NS	NA	NA	U	NA	0.18 J		
hardness, Total	--	1	150 B	76	44.8	60	48	44	38	77	74	4.1		
nitrate	10	1	U	U	U	U	U	0.021 F	0.013 F	U	U	0.10 J		
TKN	1	1	0.54	U	0.063 F	0.24	0.15 F	0.32	0.30 B	0.53 F	1.2 B	0.29 J		
sulfate	250	1	9.9 B	6.7	7.8	11	9.0	9.9	8.7	8.4	8.3	10.0		
TDS	500	10	130 B	147	141	86	75	81	76	110	89	88		
TOC	--	1	2.1	4.8	4.2	5.1	7.1	8.0	2.6	1.7	5.1	5.1		

For notes, please refer to the end of the Table Section.

Table 2-2
Groundwater and Surface Water Sampling Results

Location of Well		NYSDEC Class GA Groundwater Standards	Reporting Limit	LF1MW-103												
Date of Collection	3/31/2004			6/28/2004	9/17/2004	12/15/2004	4/5/2005	6/23/2005	9/9/2005	12/22/2005	3/17/2006	9/15/2006	4/4/2007	9/27/2007	4/1/2008	
Sample ID No.	LF1M10334BA			Not Sampled	LF1M10335DA	Not Sampled	Not Sampled	LF1M10335GA	LF1M10335HA	LF1M10335IA	Not Sampled	LF1M10314LA	LF1M10333NA	LF1M10335OA	LF1M10331PA	
Depth to Water (ft)	33.77	34.37	34.90	34.41	34.41	34.68	34.75	34.50	34.45	33.60	32.93	33.12	30.61			
VOCs (µg/L)																
1,1,1-trichloroethane	5*	1	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U	
1,1-dichloroethane	5*	1	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U	
1,2,3-trichlorobenzene	5	1	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U	
1,2,4-trimethylbenzene	5*	1	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U	
1,2-dichloroethane	0.6	1	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U	
1,2-dichlorobenzene	3	1	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U	
1,2-dibromo-3-chloropropane	0.04	2	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U	
1,3,5-trimethylbenzene	5*	1	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U	
1,3-dichlorobenzene	3	1	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U	
1,4-dichlorobenzene	3	0.5	U	NS	U	NS	NS	U	U	U	NS	U	U	0.180 F	U	
acetone	50	10	4.9 F	NS	1.5 F	NS	NS	U	U	U	NS	U	U	U	U	
benzene	1	0.1	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U	
bromodichloromethane	50	0.5	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U	
bromoform	50	1	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U	
carbon disulfide	1,000	0.5	0.31 F	NS	U	NS	NS	U	U	U	NS	U	U	U	U	
chlorobenzene	5*	0.5	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U	
chloroethane	5*	1	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U	
chloroform	7	0.3	4.7 B	NS	0.51 B	NS	NS	U	U	U	NS	U	U	U	U	
chloromethane	5*	1	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U	
cis-1,2-dichloroethene	5*	1	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U	
dichlorodifluoromethane	5*	1	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U	
ethylbenzene	5*	1	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U	
isopropylbenzene	5*	1	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U	
methylene chloride	5*	1	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U	
methyl iodide	5*	0.5	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U	
n-propylbenzene	5*	1	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U	
m,p-xylene	5*	2	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U	
naphthalene	10	1	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U	
o-xylene	5*	1	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U	
p-isopropyltoluene	5*	1	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U	
sec-butylbenzene	5*	1	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U	
tetrachloroethene	5	1	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U	
tert-butylbenzene	5*	1	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U	
trichloroethene (TCE)	5*	1	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U	
toluene	5*	1	0.34 F	NS	U	NS	NS	U	U	U	NS	U	U	U	U	
trichlorofluoromethane	5*	1	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U	
vinyl chloride	2	1	U	NS	U	NS	NS	U	U	U	NS	U	U	U	U	
Total VOCs (µg/L)			10.25	NS	2.01	NS	NS	0	0	0	NS	0	0	0.180	0	
Leachate Indicators (mg/L)																
alkalinity, Total	--	10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	460	300	
ammonia	2	0.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	0.34	
BOD5	--	2.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	
bromide	2	0.5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.86 F	NA	
COD	--	5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	22	
chloride	250	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	31	NA	
color	15	5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	
cyanide, Total	200	0.02	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	
Fluoride	1.5	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	
hardness, Total	--	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	32	28	
nitrate	10	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	220	NA	
TKN	1	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	1.6	
sulfate	250	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	390	NA	
TDS	500	10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2,400	NA	
TOC	--	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2.2	2.9	

For notes, please refer to the end of the Table Section.

Table 2-2
Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF1MW-103									
Date of Collection			9/18/2008	4/21/2009	3/31/2010	6/16/2011	6/26/2012	6/12/2013				
Sample ID No.			LF1M10333QA	LF1M10333RA	LF1M10317SA	LF1M10312TA	LF1M10318UA	LF1M10319VA				
Depth to Water (ft)			17.51	14.10	16.60	12.31	17.61	19.84				
VOCs (µg/L)												
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U				
1,1-dichloroethane	5*	1	U	U	U	U	U	U				
1,2,3-trichlorobenzene	5	1	U	U	U	U	U	U				
1,2,4-trimethylbenzene	5*	1	U	U	U	U	U	U				
1,2-dichloroethane	0.6	1	U	U	U	U	U	U				
1,2-dichlorobenzene	3	1	U	U	U	U	U	U				
1,2-dibromo-3-chloropropane	0.04	2	U	U	U	U	U	U				
1,3,5-trimethylbenzene	5*	1	U	U	U	U	U	U				
1,3-dichlorobenzene	3	1	U	U	U	U	U	U				
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U				
acetone	50	10	13.6	18.0	13.5	13	13	13				
benzene	1	0.1	U	U	U	U	U	U				
bromodichloromethane	50	0.5	U	U	U	U	U	U				
bromoform	50	1	U	U	U	U	U	U				
carbon disulfide	1,000	0.5	U	U	U	U	U	U				
chlorobenzene	5*	0.5	U	U	U	U	U	U				
chloroethane	5*	1	U	U	U	U	U	U				
chloroform	7	0.3	U	U	U	U	U	U				
chloromethane	5*	1	U	U	U	U	0.33 J	U				
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U				
dichlorodifluoromethane	5*	1	U	U	U	U	U	U				
ethylbenzene	5*	1	U	U	U	U	U	U				
isopropylbenzene	5*	1	U	U	U	U	U	U				
methylene chloride	5*	1	U	U	U	U	U	U				
methyl iodide	5*	0.5	U	U	U	U	U	U				
n-propylbenzene	5*	1	U	U	U	U	U	U				
m,p-xylene	5*	2	U	U	U	U	U	U				
naphthalene	10	1	U	U	U	U	U	0.31 J				
o-xylene	5*	1	U	U	U	U	U	U				
p-isopropyltoluene	5*	1	U	U	U	U	U	U				
sec-butylbenzene	5*	1	U	U	U	U	U	U				
tetrachloroethene	5	1	U	U	U	U	U	U				
tert-butylbenzene	5*	1	U	U	U	U	U	U				
trichloroethene (TCE)	5*	1	U	U	U	U	U	U				
toluene	5*	1	U	U	U	U	U	U				
trichlorofluoromethane	5*	1	U	U	U	U	U	U				
vinyl chloride	2	1	U	U	U	U	U	U				
Total VOCs (µg/L)			13.60	18.0	13.5	13	13.33	13.31				
Leachate Indicators (mg/L)												
alkalinity, Total	—	10	310	350	460	U	390	U				
ammonia	2	0.2	NS	21	25	25	U	31				
BOD5	—	2.4	NS	NA	NA	U	U	U				
bromide	2	0.5	NS	0.12	0.10	U	0.12 J	U				
COD	—	5	NS	37	12	U	U	8.7 J				
chloride	250	1	NA	4.9	4.3 B	U	5.2	U				
color	15	5	NA	10	U	U	U	U				
cyanide, Total	200	0.02	NA	NA	NA	NA	U	U				
Fluoride	1.5	1	NA	NA	NA	U	0.75 J	U				
hardness, Total	—	1	32	18	32 B	23	U	U				
nitrate	10	1	NS	5.9	2.1 B	U	1.0	U				
TKN	1	1	NS	21	30	22	U	8.6				
sulfate	250	1	NS	27	18 B	U	14.0	U				
TDS	500	10	NS	440	420	U	370	U				
TOC	—	1	NS	4.2	2.9	2.4	U	1.7				

For notes, please refer to the end of the Table Section.

Table 2-2
Groundwater and Surface Water Sampling Results

Location of Well Date of Collection	NYSDEC Class GA Groundwater Standards	Reporting Limit	LFIP-2												
			12/22/2005	3/16/2006	6/19/2006	9/14/2006	12/18/2006	4/4/2007	9/26/2007	4/1/2008	9/18/2008	4/21/2009	3/30/2010	6/15/2011	6/21/2012
Sample ID No.			LF1P02131A	LF1P02131A	LF1P0213KA	LF1P0213LA	LF1P0213MA	LF1P0213NA	LF1P0213OA	LF1P0213PA	LF1P0213QA	LF1P0213RA	LF1P0213SA	LF1P0213TA	LF1P0213UA
Depth to Water (ft)			5.77	4.96	5.82	5.89	5.28	4.77	6.25	4.15	6.05	5.02	4.78	4.80	5.51
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-dichloroethane	5*	1	U	U	U	0.2 F	0.220 F	0.130 F	0.140 F	U	U	U	0.120 F	U	U
1,2,3-trichlorobenzene	5	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-trimethylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	U	0.16 J	U
1,2-dichlorobenzene	3	1	U	U	U	0.19 F	0.290 F	0.250 F	0.350 F	0.250 F	0.370 F	0.220 F	0.500 F	0.43 J	0.33 J
1,2-dibromo-3-chloropropane	0.04	2	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3,5-trimethylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3-dichlorobenzene	3	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	1.3	1.1	1.2	1.72	2.21	1.87	2.04	1.70	2.30	1.38	2.70	2.50	1.60
acetone	50	10	U	U	U	2.86 F	U	U	U	U	U	U	U	U	U
benzene	1	0.1	0.78	0.77	0.76	0.95	1.01	0.670	0.700	0.550	0.730	0.540	0.800	0.68 J	0.45 J
bromodichloromethane	50	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
bromoform	50	1	U	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
chlorobenzene	5*	0.5	1.7	1.4	1.6	2.04	2.27	1.92	2.05	1.43	1.86	1.45	2.21	2.0	1.1
chloroethane	5*	1	U	U	0.25 F	0.2 F	0.300 F	0.220 F	U	U	U	U	0.340 F	U	U
chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U	U	U	U
chloromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1	U	U	U	U	0.120 F	U	U	U	U	U	U	U	U
dichlorodifluoromethane	5*	1	U	0.35 F	0.26 F	U	U	0.240 F	0.140 F	U	U	U	U	U	U
ethylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
isopropylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	U	U	U	0.13 F	U	0.100 F	U	U	U	U	U	U	U
methyl iodide	5*	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
n-propylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
m,p-xylene	5*	2	U	U	U	U	U	U	U	U	U	U	U	U	U
naphthalene	10	1	U	U	U	U	U	U	U	U	U	U	U	U	U
o-xylene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
p-isopropyltoluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
sec-butylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	0.28 J	U
tetrachloroethene	5	1	U	U	U	U	U	U	U	U	U	U	U	U	U
terti-butylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	0.120 F	U	U
trichloroethene (TCE)	5*	1	U	U	U	U	0.190 F	U	U	0.110 F	U	U	U	U	U
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
vinyl chloride	2	1	0.45 F	0.52 F	0.56 F	0.57 F	0.550 F	0.380 F	U	U	U	U	U	0.41 J	U
Total VOCs (µg/L)			4.23	4.14	4.63	8.86	7.16	5.78	3.38	2.34	5.26	3.59	6.79	6.46	2.38
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	389	418	446	450	460	440	440	450	440	430	480	440	430
ammonia	2	0.2	1.5	1.3	1.2	2.4	2.6	2.4	2.2	2.1	2.2	2.0	1.7	1.6	0.74
BOD5	--	2.4	2.1	U	4.6	11	6.0	13.0	8.1	U	6.0	3.5	U	5.0	4.8 J
bromide	2	0.5	0.28 F	0.49 F	0.11 F	0.18 F	0.12	0.10	0.13	0.085 F	0.14	0.12	0.13	0.14 J	0.11 J
COD	--	5	7.3 F	U	26.7 B	16	14 B	13 B	8.5 F	8.5 F	3.7 F	6.0 F	14	7.3 J	6.3 J
chloride	250	1	7.4	9.5	11.5	15	11	8.7	12	6.7	11	9	12	20	5.2
color	15	5	NA	140	NA	NA	NA	NA	NA	60	NA	40	U	40	25
cyanide, Total	200	0.02	NA	U	NA	NA	NA	NA	NA	NA	NA	NA	NA	U	U
Fluoride	1.5	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.16 J	0.16 J
hardness, Total	--	1	430 B	314	438	460	430	470	390	430	480	440	460	380	
nitrate	10	1	0.07 F	U	0.03 F	0.039 F	0.030 F	U	0.065 F	0.054 F	U	0.085 F	0.086 F	U	0.087 J
TKN	1	1	2.2	2.1	1.9	2.4	2.7	2.4	2.1	2.1	2.3	2.1	1.9 J	1.9 J	1.7 B
sulfate	250	1	5.8	3.8	5.2	3.9	3.5	3.3 B	1.8	1.8	0.97 F	0.72 F	0.22 F	0.93 J	U
TDS	500	10	380	456	471	490	490	460	480	340	460	470	460	460	410
TOC	--	1	U	1.7	2.7	2.8	3.0	2.4	3.7	2.3	2.2	3.1	2.3	2.3	2.0

For notes, please refer to the end of the Table Section.

Location of Well	NYSDEC Class GA Groundwater Standards		Reporting Limit	LFIP-2							
Date of Collection				6/11/2013							
Sample ID No.				LFIP0213VA							
Depth to Water (ft)				4.98							
VOCs (µg/L)											
1,1,1-trichloroethane	5*	1	U								
1,1-dichloroethane	5*	1	U								
1,2,3-trichlorobenzene	5	1	U								
1,2,4-trimethylbenzene	5*	1	U								
1,2-dichloroethane	0.6	1	U								
1,2-dichlorobenzene	3	1	0.41 J								
1,2-dibromo-3-chloropropane	0.04	2	U								
1,3,5-trimethylbenzene	5*	1	U								
1,3-dichlorobenzene	3	1	U								
1,4-dichlorobenzene	3	0.5	2.1								
acetone	50	10	3.6 J								
benzene	1	0.1	0.68 J								
bromodichloromethane	50	0.5	U								
bromoform	50	1	U								
carbon disulfide	1,000	0.5	U								
chlorobenzene	5*	0.5	1.6								
chloroethane	5*	1	U								
chloroform	7	0.3	U								
chloromethane	5*	1	U								
cis-1,2-dichloroethene	5*	1	U								
dichlorodifluoromethane	5*	1	U								
ethylbenzene	5*	1	U								
isopropylbenzene	5*	1	U								
methylene chloride	5*	1	U								
methyl iodide	5*	0.5	U								
n-propylbenzene	5*	1	U								
m,p-xylene	5*	2	U								
naphthalene	10	1	U								
o-xylene	5*	1	U								
p-isopropyltoluene	5*	1	U								
sec-butylbenzene	5*	1	U								
tetrachloroethene	5	1	U								
tert-butylbenzene	5*	1	U								
trichloroethene (TCE)	5*	1	U								
toluene	5*	1	U								
trichlorofluoromethane	5*	1	U								
vinyl chloride	2	1	U								
Total VOCs (µg/L)			9.52								
Leachate Indicators (mg/L)											
alkalinity, Total	--	10	430								
ammonia	2	0.2	1.8								
BOD5	--	2.4	14								
bromide	2	0.5	U								
COD	--	5	16 J								
chloride	250	1	11								
color	15	5	U								
cyanide, Total	200	0.02	U								
Fluoride	1.5	1	0.060 J								
hardness, Total	--	1	420								
nitrate	10	1	U								
TKN	1	1	1.4								
sulfate	250	1	0.56 J								
TDS	500	10	480								
TOC	--	1	2.0								

For notes, please refer to the end of the Table Section.

Table 2-2
Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LFIP-3												
Date of Collection			12/8/2003	3/30/2004	6/28/2004	9/16/2004	12/15/2004	4/4/2005	6/22/2005	9/9/2005	12/22/2005	3/17/2006	9/13/2006	4/4/2007	9/26/2007
Sample ID No.			LF1P0317AA	LF1P0303BA	LF1P0317CA	LF1P0317DA	LF1P0317EA	LF1P0317FA	LF1P0317GA	LF1P0317HA	LF1P0317IA	LF1P0317JA	LF1P0317LA	LF1P0317NA	LF1P0317OA
Depth to Water (ft)			3.76	3.20	3.54	3.79	3.75	3.33	4.01	5.37	4.53	3.35	4.35	2.85	5.17
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-dichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,3-trichlorobenzene	5	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-trimethylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichlorobenzene	3	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dibromo-3-chloropropane	0.04	2	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3,5-trimethylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3-dichlorobenzene	3	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U	U	U	U	U	0.11 F	U	U
acetone	50	10	1.3 F	U	2.9 F	U	U	U	U	U	U	U	1 F	U	U
benzene	1	0.1	U	U	U	U	U	U	U	U	U	U	U	U	U
bromodichloromethane	50	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
bromoform	50	1	U	U	U	U	U	U	0.25 F	U	2.1	U	U	U	U
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
chlorobenzene	5*	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
chloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U	U	U	U
chloromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
dichlorodifluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
ethylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
isopropylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	U	U	U	U	U	U	U	U	U	U	0.24 F	U	U
methyl iodide	5*	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
n-propylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
m,p-xylene	5*	2	U	U	U	U	U	U	U	U	U	U	U	U	U
naphthalene	10	1	U	U	U	U	U	U	U	U	U	U	U	U	U
o-xylene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
p-isopropyltoluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
sec-butylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
tetrachloroethene	5	1	U	U	U	U	U	U	U	U	U	U	U	U	U
tert-butylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
vinyl chloride	2	1	0.26 F	U	0.26 F	0.33 F	0.27 F	0.34 F	0.44 F	0.5 F	U	0.3 F	0.13 F	U	0.240 F
Total VOCs (µg/L)			1.56	0	3.16	0.33	0.27	0.34	0.69	0.5	2.1	0.3	1.86	0	0.240
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	338	335	301	347	347	354	471	347	334	342	350	340	330
ammonia	2	0.2	0.29	0.27	0.32	0.35	0.34	0.36	6	0.41	0.3	0.3 B	0.36	0.41	0.40
BOD5	--	2.4	U	2.4	U	U	U	U	U	U	U	2.3	4.9	U	2.2
bromide	2	0.5	U	U	U	U	U	U	U	U	0.23 F	0.52	0.085 F	0.089 F	0.10
COD	--	5	U	U	U	U	U	U	50.1	12	13.9 B	U	5 F	8.3 F	U
chloride	250	1	10.8	10.5	12	11.9	10.8	12.2	12.1	11.6	12.2	11.4	11	11	10
color	15	5	2.5	NA	NA	NA	NA	5	NA	NA	NA	U	NA	NA	NA
cyanide, Total	200	0.02	0.085 J	NA	NA	NA	NA	U	NA	NA	NA	U	NA	NA	NA
Fluoride	1.5	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	330	360	NA
hardness, Total	--	1	770	320	324	350	352	328	332	582	340 B	222	330	360	260
nitrate	10	1	U	U	U	U	U	U	U	U	U	U	0.023 F	0.038 F	0.020 F
TKN	1	1	0.39	0.31	0.36	0.35 B	0.4	0.4	6.4	0.77	0.73	4	0.3 F	0.38	0.52
sulfate	250	1	22.3	19.9	24.7	18.2	16.8	17.8	14.1	11.9	11.4	10.3	8.8	8.2 B	8.3
TDS	500	10	385	384	371	378	400	384	385	386	351	366	370	360	380
TOC	--	1	U	0.8 F	U	U	U	0.72 F	0.53 F	0.95 F	U	U	U	U	1.3

For notes, please refer to the end of the Table Section.

Table 2-2
Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LFIP-3									
Date of Collection			4/2/2008	9/18/2008	4/21/2009	3/31/2010	6/15/2011	6/21/2012	6/10/2013			
Sample ID No.			LFIP0317PA	LFIP0317QA	LFIP0317RA	LFIP0317SA	LFIP0317TA	LFIP0317UA	LFIP0317VA			
Depth to Water (ft)			2.68	4.67	3.13	3.78	2.65	3.89	3.71			
VOCs (µg/L)												
1,1,1-trichloroethane	5*	1	U	U	U	U	NA	NA	NA			
1,1-dichloroethane	5*	1	U	U	U	U	NA	NA	NA			
1,2,3-trichlorobenzene	5	1	U	U	U	U	NA	NA	NA			
1,2,4-trimethylbenzene	5*	1	U	U	U	U	NA	NA	NA			
1,2-dichloroethane	0.6	1	U	U	U	U	NA	NA	NA			
1,2-dichlorobenzene	3	1	U	U	U	U	NA	NA	NA			
1,2-dibromo-3-chloropropane	0.04	2	U	U	U	U	NA	NA	NA			
1,3,5-trimethylbenzene	5*	1	U	U	U	U	NA	NA	NA			
1,3-dichlorobenzene	3	1	U	U	U	U	NA	NA	NA			
1,4-dichlorobenzene	3	0.5	U	U	U	U	NA	NA	NA			
acetone	50	10	U	U	U	U	NA	NA	NA			
benzene	1	0.1	U	U	U	U	NA	NA	NA			
bromodichloromethane	50	0.5	U	U	U	U	NA	NA	NA			
bromoform	50	1	U	U	U	U	NA	NA	NA			
carbon disulfide	1,000	0.5	U	U	U	U	NA	NA	NA			
chlorobenzene	5*	0.5	U	U	U	U	NA	NA	NA			
chloroethane	5*	1	U	U	U	U	NA	NA	NA			
chloroform	7	0.3	U	U	U	U	NA	NA	NA			
chloromethane	5*	1	U	U	U	U	NA	NA	NA			
cis-1,2-dichloroethene	5*	1	U	U	U	U	NA	NA	NA			
dichlorodifluoromethane	5*	1	U	U	U	U	NA	NA	NA			
ethylbenzene	5*	1	U	U	U	U	NA	NA	NA			
isopropylbenzene	5*	1	U	U	U	U	NA	NA	NA			
methylene chloride	5*	1	U	U	U	U	NA	NA	NA			
methyl iodide	5*	0.5	U	U	U	U	NA	NA	NA			
n-propylbenzene	5*	1	U	U	U	U	NA	NA	NA			
m,p-xylene	5*	2	U	U	U	U	NA	NA	NA			
naphthalene	10	1	U	U	U	U	NA	NA	NA			
o-xylene	5*	1	U	U	U	U	NA	NA	NA			
p-isopropyltoluene	5*	1	U	U	U	U	NA	NA	NA			
sec-butylbenzene	5*	1	U	U	U	U	NA	NA	NA			
tetrachloroethene	5	1	U	U	U	U	NA	NA	NA			
tert-butylbenzene	5*	1	U	U	U	U	NA	NA	NA			
trichloroethene (TCE)	5*	1	U	U	U	U	NA	NA	NA			
toluene	5*	1	U	U	U	U	NA	NA	NA			
trichlorofluoromethane	5*	1	U	U	U	U	NA	NA	NA			
vinyl chloride	2	1	U	U	U	U	NA	NA	NA			
Total VOCs (µg/L)			0	0	0	0	NA	NA	NA			
Leachate Indicators (mg/L)												
alkalinity, Total	--	10	350	350	340	360 B	240	370	340			
ammonia	2	0.2	0.38	0.42	0.42	0.36 B	0.57	0.32 B	0.43			
BOD5	--	2.4	U	U	U	U	3.4	3.0	2.7			
bromide	2	0.5	0.092 F	0.10	0.12	0.093 F	0.12 F	0.15 J	U			
COD	--	5	8.5 F	U	8.2 F	U	U	U	5.4 J			
chloride	250	1	11	9.5	10.0	9.1 B	10.0	9.7	8.8			
color	15	5	U	NA	U	U	U	U	U			
cyanide, Total	200	0.02	NA	NA	NA	NA	U	U	U			
Fluoride	1.5	1	NA	NA	NA	NA	U	U	U			
hardness, Total	--	1	320	330	320	340 B	290	320	320			
nitrate	10	1	0.041 F	U	U	U	U	0.042 J	U			
TKN	1	1	0.33	0.55	0.39	0.75	0.68 F	1.1 B	0.66 J			
sulfate	250	1	9.4	8.1	7.2	4.5 B	2.7 J	2.0 J	1.8 J			
TDS	500	10	510	380	380	370	360	370	350			
TOC	--	1	U	U	0.60 F	U	0.44 F	0.48 J	0.59 J			

For notes, please refer to the end of the Table Section.

Table 2-2
Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LFIP-5												
Date of Collection			12/5/2003	3/30/2004	6/28/2004	9/16/2004	12/14/2004	4/1/2005	6/22/2005	9/9/2005	12/21/2005	3/17/2006	9/15/2006	4/4/2007	9/27/2007
Sample ID No.			LFIP0525AA	LFIP0525BA	LFIP0525CA	LFIP0525DA	LFIP0525EA	LFIP0525FA	LFIP0525GA	LFIP0525HA	LFIP0525IA	LFIP0525JA	LFIP0525LA	LFIP0525NA	LFIP0525OA
Depth to Water (ft)			4.20	3.57	4.91	4.39	4.05	4.02	5.93	6.98	5.03	4.37	5.16	3.53	6.38
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-dichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,3-trichlorobenzene	5	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-trimethylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichlorobenzene	3	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dibromo-3-chloropropane	0.04	2	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3,5-trimethylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3-dichlorobenzene	3	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
acetone	50	10	U	U	U	U	U	U	U	U	U	U	U	U	U
benzene	1	0.1	U	U	U	U	U	U	U	U	U	U	U	U	U
bromodichloromethane	50	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
bromoform	50	1	U	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
chlorobenzene	5*	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
chloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U	U	U	U
chloromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
dichlorodifluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
ethylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
isopropylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
methyl iodide	5*	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
n-propylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
m,p-xylene	5*	2	U	U	U	U	U	U	U	U	U	U	U	U	U
naphthalene	10	1	U	U	U	U	U	U	U	U	U	U	U	U	U
o-xylene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
p-isopropyltoluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
sec-butylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
tetrachloroethene	5	1	U	U	U	U	U	U	U	U	U	U	U	U	U
tert-butylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
vinyl chloride	2	1	U	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs (µg/L)			0	0	0	0	0	0	0	0	0	0	0	0	0
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	316 B	365	354	304	262	249	407	394	289	348	350	270	350
ammonia	2	0.2	0.64	0.45	0.55	0.66	0.54	0.16	0.44	0.58	0.61 B	0.56 B	0.7	0.28	0.71
BOD5	--	2.4	5.9	5	2.6	3.6	U	U	2.5	5.7	U	U	9.8	U	4.5
bromide	2	0.5	U	0.19 F	U	U	0.2 F	U	U	U	0.4 F	0.3 F	0.11 F	0.070 F	0.11
COD	--	5	U	U	U	10.9	U	U	U	19.1	20.7	U	11	13 B	4.1 F
chloride	250	1	11.2	13.2	16.6	11.1	9.1	11.1	15	14.8	10.9	11.3	11	9.5	11
color	15	5	100	NA	NA	NA	NA	35	NA	NA	NA	160	NA	NA	NA
cyanide, Total	200	0.02	U	NA	NA	NA	NA	U	NA	NA	NA	0.017 F	NA	NA	NA
Fluoride	1.5	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
hardness, Total	--	1	340 B	328	376	310	200	228	364	680	300	228	340	260	310
nitrate	10	1	U	U	U	U	0.04 F	U	U	U	0.07 F	U	0.014 F	U	0.020 F
TKN	1	1	1	0.71	0.65	0.98 B	0.63 B	0.26	0.9	1.2	2.7	2.2	0.69	0.34	0.7
sulfate	250	1	U	U	U	U	2	3.2	U	U	0.41 F	U	U	1.9 B	U
TDS	500	10	320 B	382	423	323	284	259	413	430	295	331	390	280	380
TOC	--	1	1.9	1.8	U	1.7	2.1	U	1.7	1.8	1.1	1.4	1.5	1.5	2.7

For notes, please refer to the end of the Table Section.

Table 2-2
Groundwater and Surface Water Sampling Results

Location of Well Date of Collection	NYSDEC Class GA Groundwater Standards	Reporting Limit	LFIP-5									
			4/2/2008	9/18/2008	4/20/2009	3/31/2010	6/16/2011	6/25/2012	6/10/2013			
Sample ID No.			LF1P0525PA	LF1P0525QA	LF1P0525RA	LF1P0525SA	LF1P0525TA	LF1P0525VA	LF1P0525VA			
Depth to Water (ft)			3.45	6.17	4.28	3.90	4.84	4.99	4.55			
VOCs (µg/L)												
1,1,1-trichloroethane	5*	1	U	U	U	U	NA	NA	NA			
1,1-dichloroethane	5*	1	U	U	U	U	NA	NA	NA			
1,2,3-trichlorobenzene	5	1	U	U	U	U	NA	NA	NA			
1,2,4-trimethylbenzene	5*	1	U	U	U	U	NA	NA	NA			
1,2-dichloroethane	0.6	1	U	U	U	U	NA	NA	NA			
1,2-dichlorobenzene	3	1	U	U	U	U	NA	NA	NA			
1,2-dibromo-3-chloropropane	0.04	2	U	U	U	U	NA	NA	NA			
1,3,5-trimethylbenzene	5*	1	U	U	U	U	NA	NA	NA			
1,3-dichlorobenzene	3	1	U	U	U	U	NA	NA	NA			
1,4-dichlorobenzene	3	0.5	U	U	U	U	NA	NA	NA			
acetone	50	10	U	U	U	U	NA	NA	NA			
benzene	1	0.1	U	U	U	U	NA	NA	NA			
bromodichloromethane	50	0.5	U	U	U	U	NA	NA	NA			
bromoform	50	1	U	U	U	U	NA	NA	NA			
carbon disulfide	1,000	0.5	U	U	U	U	NA	NA	NA			
chlorobenzene	5*	0.5	U	U	U	U	NA	NA	NA			
chloroethane	5*	1	U	U	U	U	NA	NA	NA			
chloroform	7	0.3	U	U	U	U	NA	NA	NA			
chloromethane	5*	1	U	U	U	U	NA	NA	NA			
cis-1,2-dichloroethene	5*	1	U	U	U	U	NA	NA	NA			
dichlorodifluoromethane	5*	1	U	U	U	U	NA	NA	NA			
ethylbenzene	5*	1	U	U	U	U	NA	NA	NA			
isopropylbenzene	5*	1	U	U	U	U	NA	NA	NA			
methylene chloride	5*	1	U	U	U	U	NA	NA	NA			
methyl iodide	5*	0.5	U	U	U	U	NA	NA	NA			
n-propylbenzene	5*	1	U	U	U	U	NA	NA	NA			
m,p-xylene	5*	2	U	U	U	U	NA	NA	NA			
naphthalene	10	1	U	U	U	U	NA	NA	NA			
o-xylene	5*	1	U	U	U	U	NA	NA	NA			
p-isopropyltoluene	5*	1	U	U	U	U	NA	NA	NA			
sec-butylbenzene	5*	1	U	U	U	U	NA	NA	NA			
tetrachloroethene	5	1	U	U	U	U	NA	NA	NA			
tert-butylbenzene	5*	1	U	U	U	U	NA	NA	NA			
trichloroethene (TCE)	5*	1	U	U	U	U	NA	NA	NA			
toluene	5*	1	U	U	U	U	NA	NA	NA			
trichlorofluoromethane	5*	1	U	U	U	U	NA	NA	NA			
vinyl chloride	2	1	U	U	U	U	NA	NA	NA			
Total VOCs (µg/L)			0	0	0	0	NA	NA	NA			
Leachate Indicators (mg/L)												
alkalinity, Total	—	10	310	370	330	290 B	350	310	270			
ammonia	2	0.2	0.42	0.71	0.29	0.13 B	0.40	0.21 B	0.070 J			
BOD5	—	2.4	U	3.9	U	U	3.1	U	2.7			
bromide	2	0.5	0.093 F	0.12	0.11	0.087 F	0.11 F	0.14 J	U			
COD	—	5	6.3 F	U	6.0 F	U	5.0 F	U	11 J			
chloride	250	1	9.3	11	9.9	8.8 B	8.4	8.7	7.5			
color	15	5	15	NA	U	U	25	U	U			
cyanide, Total	200	0.02	NA	NA	NA	NA	NA	U	U			
Fluoride	1.5	1	NA	NA	NA	NA	U	U	0.062 J			
hardness, Total	—	1	290	370	320	290 B	280	260	260			
nitrate	10	1	0.18	U	0.21 F	0.27 BF	0.12 F	0.068 J	0.29 J			
TKN	1	1	0.41	0.83	0.35	0.38	0.60 F	1.0	0.57 J			
sulfate	250	1	0.53 F	U	U	0.50 BF	0.41 F	U	1.6 J			
TDS	500	10	270	390	280	300	320	320	290			
TOC	—	1	1.5	1.3	1.10	1.4	1.9	U	2.0			

For notes, please refer to the end of the Table Section.

Table 2-2
Groundwater and Surface Water Sampling Results

Location of Well Date of Collection	NYSDEC Class GA Groundwater Standards	Reporting Limit	MWSAR03												
			12/8/2003	3/30/2004	6/28/2004	9/17/2004	12/15/2004	4/4/2005	6/23/2005	9/8/2005	12/22/2005	3/16/2006	6/19/2006	9/15/2006	12/18/2006
Sample ID No.			MWSAR0324AA	MWSAR0324BA	MWSAR0324CA	MWSAR0324DA	MWSAR0324EA	MWSAR0324FA	MWSAR0321GA	MWSAR0324HA	MWSAR0324IA	MWSAR0324JA	MWSAR0321KA	MWSAR0321LA	MWSAR0321MA
Depth to Water (ft)			18.45	16.65	19.07	19.19	17.71	16.65	20.59	22.61	20.45	17.61	20.75	20.83	18.30
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-dichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,3-trichlorobenzene	5	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-trimethylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichlorobenzene	3	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dibromo-3-chloropropane	0.04	2	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3,5-trimethylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,3-dichlorobenzene	3	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	0.46 F	0.25 F	1.4	1.2	U	0.3 F	0.95	2.6	2.2	U	1.7	2.06	0.590
acetone	50	10	1.3 F	U	1.4 F	U	U	U	1.6 F	U	4.8 F	U	U	1.46 F	U
benzene	1	0.1	U	U	0.35 F	0.51	U	U	0.41 F	0.48 F	0.37 F	U	0.59	0.62	0.380 F
bromodichloromethane	50	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
bromoform	50	1	U	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
chlorobenzene	5*	0.5	U	U	U	U	U	U	U	U	U	U	U	0.19 F	0.210 F
chloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U	U	U	U
chloromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	0.15 F	0.140 F
dichlorodifluoromethane	5*	1	U	U	U	0.34 F	U	U	0.43 F	U	U	U	0.2 F	U	U
ethylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
isopropylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
methyl iodide	5*	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
n-propylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
m,p-xylene	5*	2	U	U	U	U	U	U	U	U	U	U	U	U	U
naphthalene	10	1	U	U	U	U	U	U	U	U	U	U	U	U	U
o-xylene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
p-isopropyltoluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
sec-butylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
tetrachloroethene	5	1	U	U	U	U	U	U	U	U	U	U	U	U	U
tert-butylbenzene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1	U	U	U	U	0.25 F	U	U	U	U	U	U	U	0.110 F
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
vinyl chloride	2	1	0.46 F	U	0.73 F	2.2	U	0.26 F	4.5	0.47 F	0.48 F	U	1	1.48	U
Total VOCs (µg/L)			2.22	0.25	3.88	4.25	0.25	0.56	7.89	3.55	7.85	0	3.49	5.96	1.43
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	165	206	102	77.3	424	308	111	209	148 B	273	74.7	140	170
ammonia	2	0.2	U	U	0.22	0.23	0.015 F	0.11	0.33	0.42	0.37	0.0093 F	0.25	0.56	0.14
BOD5	--	2.4	U	U	4	4.9	U	U	3.1	3.5	U	U	9.2	14	6.6
bromide	2	0.5	U	U	U	U	U	U	U	U	0.34 F	U	U	0.021 F	0.027 F
COD	--	5	U	11.4	U	U	U	U	12.7	16.2	12.9 B	U	40 B	16	14 B
chloride	250	1	8.8	6.6	7	8.5	2.3	2.4	U	5.9	8.9	4.3	5.3	5.8	5.0
color	15	5	25	NA	NA	NA	NA	50	U	NA	NA	20	NA	NA	NA
cyanide, Total	200	0.02	U	NA	NA	NA	NA	U	U	NA	NA	U	NA	NA	NA
Fluoride	1.5	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
hardness, Total	--	1	310	256	88	90	400	302	140	400	90 B	316	420	170 B	170
nitrate	10	1	U	0.79 F	0.23	0.52 F	0.89 F	2.2	U	U	0.09 F	2.3	U	U	0.13
TKN	1	1	U	0.1 F	0.49	0.29	0.28	0.13 F	0.73 B	1	1.1	0.19 F	0	0.49	0.14 F
sulfate	250	1	16.8	24.7	11.3	15.1	18.1	21	U	6.1	14.2	21.3	17.9	9.9	12
TDS	500	10	209	244	150	115	473	356	117	114	145	304	193	140	220
TOC	--	1	1.4	1.3	U	0.81 F	1.4	1.3	1.2	1.7 B	1.4	1.3	U	1.1	1.2

For notes, please refer to the end of the Table Section.

Table 2-2
Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	MWSAR03											
Date of Collection			4/3/2007	9/26/2007	4/1/2008	9/18/2008	4/21/2009	3/30/2010	6/20/2011	6/26/2012	6/12/2013			
Sample ID No.			MWSAR0324NA	MWSAR0324OA	MWSAR0324PA	MWSAR0324QA	MWSAR0324RA	MWSAR0324SA	MWSAR0324TA	MWSAR0324UA	MWSAR0324VA			
Depth to Water (ft)			15.17	21.69	16.17	21.00	17.86	19.04	17.35	20.31	19.08			
VOCs (µg/L)														
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	U	U			
1,1-dichloroethane	5*	1	U	U	U	U	U	U	U	U	U			
1,2,3-trichlorobenzene	5	1	U	U	U	U	U	U	U	U	U			
1,2,4-trimethylbenzene	5*	1	U	U	U	U	U	U	U	U	U			
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U			
1,2-dichlorobenzene	3	1	U	U	U	U	U	U	U	U	U			
1,2-dibromo-3-chloropropane	0.04	2	U	U	U	U	U	U	U	U	U			
1,3,5-trimethylbenzene	5*	1	U	U	U	U	U	U	U	U	U			
1,3-dichlorobenzene	3	1	U	U	U	U	U	U	0.24 F	U	U			
1,4-dichlorobenzene	3	0.5	U	2.05	0.380 F	0.620	U	1.81	U	0.73 J	1.2			
acetone	50	10	U	U	U	U	U	1.52 F	U	U	5.9 J			
benzene	1	0.1	U	0.350 F	U	0.550	0.350 F	0.410 F	0.50 F	0.34 J	0.43 J			
bromodichloromethane	50	0.5	U	U	U	U	U	U	U	U	U			
bromoform	50	1	U	U	U	U	U	U	U	U	U			
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U	U			
chlorobenzene	5*	0.5	U	0.250 F	U	U	U	0.310 F	U	U	0.31 J			
chloroethane	5*	1	U	U	U	U	U	U	U	U	U			
chloroform	7	0.3	U	U	U	U	U	U	U	U	U			
chloromethane	5*	1	U	U	U	U	U	U	U	U	U			
cis-1,2-dichloroethene	5*	1	U	U	U	U	0.120 F	U	0.17	U	0.22 J			
dichlorodifluoromethane	5*	1	U	U	U	U	U	U	U	U	U			
ethylbenzene	5*	1	U	U	U	U	U	U	U	U	U			
isopropylbenzene	5*	1	U	U	U	U	U	U	U	U	U			
methylene chloride	5*	1	0.120 F	0.210 F	U	U	U	U	U	U	U			
methyl iodide	5*	0.5	U	U	U	U	U	U	U	U	U			
n-propylbenzene	5*	1	U	U	U	U	U	U	U	U	U			
m,p-xylene	5*	2	U	U	U	U	U	U	U	U	U			
naphthalene	10	1	U	U	U	U	U	U	U	U	0.23 J			
o-xylene	5*	1	U	U	U	U	U	U	U	U	U			
p-isopropyltoluene	5*	1	U	U	U	U	U	U	U	U	U			
sec-butylbenzene	5*	1	U	U	U	U	U	U	U	U	U			
tetrachloroethene	5	1	U	U	U	U	U	U	U	U	U			
tert-butylbenzene	5*	1	U	U	U	U	U	U	U	U	U			
trichloroethene (TCE)	5*	1	0.130 F	U	U	U	U	U	U	U	U			
toluene	5*	1	U	U	U	U	U	U	U	U	U			
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U	U			
vinyl chloride	2	1	U	U	U	1.55	U	0.830 F	U	6.0	0.56 J			
Total VOCs (µg/L)			0.25	2.86	0.38	2.72	0.47	4.88	0.91	7.08	8.85			
Leachate Indicators (mg/L)														
alkalinity, Total	--	10	210	140	250	120	160	180	130	80	290			
ammonia	2	0.2	0.019 F	0.40	0.09	0.49	0.035 F	0.24	0.22	0.22 B	0.27			
BOD5	--	2.4	U	U	U	6.7	3.5	13	3.0	2.8	5.1			
bromide	2	0.5	U	0.039 F	0.047 F	0.029 F	0.034 F	U	U	U	0.12 J			
COD	--	5	8.3 F	28	11	26	6.0 F	20	5.3 F	9.0 J	12 J			
chloride	250	1	2.1	4.8	3.5	3.7	3.4	4.9	4.2	6.6	4.2			
color	15	5	NA	NA	35	NA	U	U	15	U	U			
cyanide, Total	200	0.02	NA	NA	NA	NA	NA	NA	NA	U	U			
Fluoride	1.5	1	NA	NA	NA	NA	NA	NA	0.14 J	U	0.77 J			
hardness, Total	--	1	220	40	260	150	160	68	120	81	9.2			
nitrate	10	1	2.7	U	0.14	U	U	0.13 F	U	U	0.15 J			
TKN	1	1	0.094 F	0.5	0.063 F	0.84	U	0.40 B	0.40 F	0.84 J	0.57 J			
sulfate	250	1	9.0	4.0	6.1	3.9	1.8	4.2	1.3 F	0.40 J	0.57 J			
TDS	500	10	250	240	270	120	200	180	150	120	310			
TOC	--	1	0.75 F	1.6	0.97 F	0.69 F	1.10	1.1	1.3	1.4	1.2			

For notes, please refer to the end of the Table Section.

Table 2-2
Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class A Surface Water Standards	Reporting Limit	LF1SW-1											
Date of Collection			12/9/2003	3/30/2004	6/25/2004	9/17/2004	12/15/2004	4/1/2005	6/22/2005	9/8/2005	12/20/2005	3/16/2006	9/15/2006	4/3/2007
Sample ID No.			LF1SW0101AA	LF1SW0101BA	LF1SW0101CA	LF1SW0101DA	LF1SW0101EA	LF1SW0101FA	LF1SW0101GA	LF1SW0101HA	LF1SW0101IA	LF1SW0101JA	LF1SW0101LA	LF1SW0101NA
Depth to Water (ft)			Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface
VOCs (µg/L)														
1,1-dichloroethane	5	1	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-Trimethylbenzene	5	1	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichlorobenzene	3	1	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U	0.41 F	U	U	U	0.34 F	U
acetone	50	10	2.8 F	U	2.6 F	U	2 F	U	U	3.6 F	U	U	2.94 F	U
benzene	1	0.1	U	U	U	U	U	U	0.30 F	U	U	U	0.12 F	U
chlorobenzene	5	0.5	U	U	U	U	U	U	1.6	U	U	U	0.84	U
dichlorodifluoromethane	5**	1	U	U	U	U	U	U	0.68 F	U	U	U	U	U
methylene chloride	5	1	U	U	U	U	U	U	U	1.2	U	U	0.1 F	U
Naphthalene	10	1	U	U	U	U	U	U	U	U	U	U	U	U
toluene	5	1	U	U	U	U	U	U	0.84 F	U	U	U	0.11 F	U
Leachate Indicators (mg/L)														
alkalinity, Total	--	10	48.3	17.5	49.3	57.9	95.3	130	370	428	213	154	280	120
ammonia	2	0.2	U	U	0.0099 F	0.14	U	0.032 F	0.28	0.023 F	0.13	0.034 F	0.25	0.016 F
BOD5	--	2.4	U	U	U	U	U	U	8.8	3.6	U	U	6.6	U
bromide	2	0.5	U	U	U	U	U	U	U	U	U	U	0.031 F	U
COD	--	5	U	13.1	U	10.5 B	U	U	27.2	24.5	U	U	14	6.1 F
chloride	250	1	9.5	7.9	13	11.9	15.5	9.1	5	5.8	5.5	8.6	4	27
color	15	5	5	NA	NA	NA	NA	7.5	NA	NA	NA	20	NA	NA
Fluoride	1.5	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
hardness, Total	--	1	210	U	72	90	124	136	400	500	280	129	280	140
nitrate	10	1	U	0.77 F	1	1.1	2.5	1.2	U	U	U	0.71 F	0.013 F	1.9
TKN	1	1	U	0.3	0.32	0.38	0.21	0.13 F	6.6	1	2.2	U	1.1	0.091 F
sulfate	250	1	9.5	7.2	13.3	12	8.6	7.5	4	9.4	10.4	9.2	6.9	9.3
TDS	500	10	111	55	120	87	173	156	432	449	237	220	240	190
TOC	--	1	1.1	1.7	U	1.5	0.72 F	1.1	6.8	6.9 B	0.69 F	0.84 F	2.8	0.94 F

For notes, please refer to the end of the tables section.

Table 2-2
Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class A Surface Water Standards	Reporting Limit	LF1SW-1										
Date of Collection			9/26/2007	4/2/2008	9/18/2008	4/20/2009	3/31/2010	6/15/2011	6/26/2012	6/11/2013			
Sample ID No.			LF1SW0101OA	LF1SW0101PA	LF1SW0101QA	LF1SW0101RA	LF1SW0101SA	LF1SW0101TA	LF1SW0101UA	LF1SW0101VA			
Depth to Water (ft)			Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface		
VOCs (µg/L)													
1,1-dichloroethane	5	1	U	U	0.310 F	U	U	U	U	U			
1,2,4-Trimethylbenzene	5	1	U	U	U	U	U	U	U	U			
1,2-dichlorobenzene	3	1	0.120 F	U	U	U	U	U	U	U			
1,4-dichlorobenzene	3	0.5	0.69	U	0.310 F	U	U	U	U	U			
acetone	50	10	U	U	3.34 F	U	2.29 F	U	U	5.3 J			
benzene	1	0.1	0.120 F	U	0.690	U	U	U	U	U			
chlorobenzene	5	0.5	U	U	1.05	U	U	NA	NA	U			
dichlorodifluoromethane	5**	1	U	U	U	U	U	U	U	U			
methylene chloride	5	1	U	U	U	U	U	U	U	U			
Naphthalene	10	1	U	U	3.92	U	U	NA	NA	U			
toluene	5	1	0.420 F	U	1.31	U	U	U	0.29 J	U			
Leachate Indicators (mg/L)													
alkalinity, Total	--	10	400	110	640	44	24 B	150	240	130			
ammonia	2	0.2	1.9	0.23	0.022 F	U	0.057 B	0.12	0.063 JB	0.043 J			
BOD5	--	2.4	110 J	U	15	U	U	U	2.0 J	U			
bromide	2	0.5	0.20	U	0.075 F	0.015 F	U	U	U	U			
COD	--	5	150	U	31	6.0 F	U	U	U	21			
chloride	250	1	8.4	26	4.8	12	7.4 B	3.9	3.6	5.8			
color	15	5	NA	U	NA	U	U	U	U	U			
Fluoride	1.5	1	NA	NA	NA	NA	NA	NA	NA	U			
hardness, Total	--	1	36	130	600	56	31 B	140	250	140			
nitrate	10	1	0.016 F	0.92	U	0.78	0.24 B	0.094 F	U	0.19 J			
TKN	1	1	11	0.22	0.57	0.11 F	0.29	0.40 F	0.80 JB	0.58 J			
sulfate	250	1	3.8	8.9	1.6	10	6.6 B	3.5 F	3.0 J	4.4 J			
TDS	500	10	130	170	700	110	90	160	240	160			
TOC	--	1	16	1.1	3.2	1.2	3.2	0.92 F	1.3	2.1			

For notes, please refer to the end of the tables section.

Table 2-2
Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class A Surface Water Standards	Reporting Limit	LFISW-2	LFISW-2SMC										
Date of Collection			12/9/2003	4/29/2004	6/29/2004	9/20/2004	12/17/2004	4/1/2005	6/22/2005	9/9/2005	12/20/2005	3/17/2006	9/15/2006	4/3/2007
Sample ID No.			LFISW0201AA	LFISW02SMC01 BA	LFISW02SMC01 CA	LFISW02SMC01 DA	LFISW02SMC01 EA	LFISW02SMC01 FA	LFISW02SMC01 GA	LFISW02SMC01 HA	LFISW02SMC01 IA	LFISW02SMC01 JA	LFISW02SMC01LA	LFISW02SMC01NA
Depth to Water (ft)			Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface
VOCs (µg/L)														
1,1-dichloroethane	5	1	U	U	U	U	U	U	U	U	U	U	0.12 F	U
1,2,4-Trimethylbenzene	5	1	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichlorobenzene	3	1	U	U	0.27 F	U	U	0.24 F	0.48 F	U	U	U	0.39 F	U
1,4-dichlorobenzene	3	0.5	0.84	0.40 F	1.3	0.27 F	0.94	1.3	2.7	1.4	1.4	1.2	2.61	0.480 F
acetone	50	10	1.3 F	1.6 F	1.7 F	U	1.6 F	2.4 F	2.8 F	U	U	U	3.92 F	U
benzene	1	0.1	0.21 F	U	0.27 F	U	U	0.23 F	0.30 F	U	U	U	0.2 F	U
chlorobenzene	5	0.5	0.79	0.42 F	1.2	0.27 F	0.96	1.2	1.6	0.59	1.1	1.1	1.07	0.380 F
dichlorodifluoromethane	5**	1	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5	1	U	U	U	U	U	U	U	U	U	U	U	U
Naphthalene	10	1	U	U	U	U	U	U	U	U	U	U	U	U
toluene	5	1	U	U	U	U	U	U	U	U	U	U	U	U
Leachate Indicators (mg/L)														
alkalinity, Total	--	10	110	63	153	59.8	150	217	406	414	318	245	410	150
ammonia	2	0.2	0.24	0.15	0.63	0.11	0.49	0.8	2	2.1	1.1	0.67 B	2	0.24
BOD5	--	2.4	U	U	1.5 F	U	U	U	U	U	U	U	3.4	U
bromide	2	0.5	U	U	U	U	U	U	U	U	U	U	0.13 F	0.024 F
COD	--	5	U	U	16.4 J	U	U	U	4 F	6.6 F	3.1 F	U	11	8.3 F
chloride	250	1	9.6	11.7	13.1	9.2	9	7.7	10.2	11.7	7.9	8.2	11	24
color	15	5	60	20	40	20	50	100	NA	NA	NA	100	NA	NA
Fluoride	1.5	1	NA	U										
hardness, Total	--	1	124	80	180	200	156	208	388	460	350	219	1,000	170
nitrate	10	1	U	0.76 F	0.74 F	0.68 F	1.1	0.56 F	U	0.03 F	U	0.38 F	0.014 F	1.7
TKN	1	1	U	0.31 B	0.84	0.36	0.56	0.98	3.1	3	3.3	1.2	2.8	0.34
sulfate	250	1	9.3	8.9	11.7	10	7.6	6.6	4	3	8.1	8.4	4.1	8.5 B
TDS	500	10	167	120	202	100	204	237	452	443	357	266	430	230
TOC	--	1	19.3	U	U	2	1.9	2.4	3.4	3.5	1.9	1.4	3.7	1.2

For notes, please refer to the end of the tables section.

Table 2-2
Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class A Surface Water Standards	Reporting Limit	LF1SW-2SMC										
Date of Collection			9/26/2007	4/2/2008	9/18/2008	4/20/2009	3/31/2010	6/16/2011	6/26/2012	6/11/2013			
Sample ID No.			LF1SW02SMC010A	LF1SW02SMC01PA	LF1SW02SMC01QA	LF1SW02SMC01RA	LF1SW02SMC01SA	LF1SW02SMC01TA	LF1SW02SMC01UA	LF1SW02SMC01VA			
Depth to Water (ft)			Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface		
VOCs (µg/L)													
1,1-dichloroethane	5	1	U	U	U	U	U	U	U	U			
1,2,4-Trimethylbenzene	5	1	U	U	U	U	U	U	0.19 J	U			
1,2-dichlorobenzene	3	1	0.260 F	U	0.480 F	U	U	U	0.55 J	0.98 J			
1,4-dichlorobenzene	3	0.5	2.03	0.490 F	2.89	U	U	U	2.7	0.90 J			
acetone	50	10	U	U	U	U	U	U		6.7 J			
benzene	1	0.1	0.180 F	U	0.240 F	U	U	U	0.42 J	0.26 J			
chlorobenzene	5	0.5	0.930	0.310 F	1.280	U	U	NA	0.34 J	0.66 J			
dichlorodifluoromethane	5**	1	U	U	U	U	U	U	U	U			
methylene chloride	5	1	U	U	U	U	U	U	1.8 J	U			
Naphthalene	10	1	U	U	U	U	U	NA	U	0.86 J			
toluene	5	1	0.310 F	U	0.120 F	U	U	U	0.34 J	U			
Leachate Indicators (mg/L)													
alkalinity, Total	--	10	450	140	450	64	28 B	260	390	210			
ammonia	2	0.2	1.8	0.28	1.9	0.074	0.037 BF	0.41	0.62	0.39			
BOD5	--	2.4	4.7	U	3.0	U	U	2.7	4.3	1.8 J			
bromide	2	0.5	0.14	U	0.16	0.018 F	U	U	0.13 J	U			
COD	--	5	22	4.1 F	37	10	U	5.3 F	10 J	17 J			
chloride	250	1	13	22	13	11	7.3 B	3.1	7.9	6.6			
color	15	5	NA	10	NA	10	5	25	U	U			
Fluoride	1.5	1						0.061 J	0.065 J	0.060 J			
hardness, Total	--	1	400	160	440	74	35 B	270	360	200			
nitrate	10	1	0.016 F	0.76	U	0.68	0.23 B	0.053 F	U	0.14 J			
TKN	1	1	2.1	0.30	2.70	0.15 F	0.37	0.67 F	1.7 B	0.81 J			
sulfate	250	1	1.2	8.2	0.89 F	10	6.4 B	1.2 F	0.54 J	3.1 J			
TDS	500	10	460	200	450	120	86	270	400	230			
TOC	--	1	4.6	1.7	3.6	1.5	3.4	3.4	2.8	2.7			

For notes, please refer to the end of the tables section.

Table 2-2
Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class A Surface Water Standards	Reporting Limit	LF1SW-3											
Date of Collection			12/9/2003	3/30/2004	6/25/2004	9/17/2004	12/15/2004	4/1/2005	6/22/2005	9/8/2005	12/20/2005	3/14/2006	9/15/2006	4/3/2007
Sample ID No.			LF1SW0301AA	LF1SW0301BA	LF1SW0301CA	LF1SW0301DA	LF1SW0301EA	LF1SW0301FA	LF1SW0301GA	LF1SW0301HA	LF1SW0301IA	LF1SW0301JA	LF1SW0301LA	LF1SW0301NA
Depth to Water (ft)			Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface
VOCs (µg/L)														
1,1-dichloroethane	5	1	U	U	U	U	U	U	U	U	U	U	U	U
1,2,4-Trimethylbenzene	5	1	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichlorobenzene	3	1	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	U	U	0.24 F	0.21 F	U	U	U	U	0.64	U	U
acetone	50	10	U	1.5 F	3.1 F	2.2 F	1.8 F	2.2 F	3.4 F	U	U	U	1.15 F	U
benzene	1	0.1	U	U	U	U	U	U	U	U	U	U	U	U
chlorobenzene	5	0.5	U	U	U	U	U	U	U	U	U	U	U	U
dichlorodifluoromethane	5**	1	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5	1	U	U	U	U	U	U	U	U	U	U	U	U
Naphthalene	10	1	U	U	U	U	U	U	U	U	U	U	U	U
toluene	5	1	U	U	U	U	U	U	U	U	U	U	U	U
Leachate Indicators (mg/L)														
alkalinity, Total	--	10	92.5	24.3	111	92.8	93	33.3	258	284	102	67.1	150	48
ammonia	2	0.2	0.072	U	0.16	0.12	0.2	0.13	0.55	0.12	0.26	0.093	0.055	0.044 F
BOD5	--	2.4	U	U	U	U	U	U	U	U	U	U	U	U
bromide	2	0.5	U	U	U	U	U	U	U	U	U	0.38 F	0.044 F	0.038 F
COD	--	5	U	11.8	10.2	13.3 B	U	13.5	U	15.9	U	16.4	9.2 F	15 B
chloride	250	1	10.6	8.1	14.3	13.1	10.8	7	9.9	10.8	9.6	10	23	9.3
color	15	5	25	NA	NA	NA	NA	50	NA	NA	NA	25	NA	NA
Fluoride	1.5	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
hardness, Total	--	1	168	U	140	90	100	36	264	318	160	48.9	180 B	56
nitrate	10	1	U	0.62 F	0.47 F	0.81 F	0.45 F	0.15 F	0.36 F	0.82 F	0.17 F	0.19 F	0.14 F	0.25
TKN	1	1	U	0.27	0.53	0.37	0.95	0.44	1.1	1	1.1 B	0.31	0.2 F	0.18 F
sulfate	250	1	10.7	7.2	10.7	10.6	8.3	5	7.4	9	12	8.6	6.4	6.2 B
TDS	500	10	157	60	174	134	160	56	332	313	154	149	200	89
TOC	--	1	1.8	2.1	1.3	2.4	2.3	4.5	3.4	3.6 B	1.6	2.5	4.4	2.8

For notes, please refer to the end of the tables section.

Table 2-2
Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class A Surface Water Standards	Reporting Limit	LF1SW-3									
Date of Collection			9/26/2007	4/2/2008	9/18/2008	4/17/2009	3/30/2010	6/16/2011	6/26/2012	6/11/2013		
Sample ID No.			LF1SW0301OA	LF1SW0301PA	LF1SW0301QA	LF1SW0301RA	LF1SW0301SA	LF1SW0301TA	LF1SW0301UA	LF1SW0301VA		
Depth to Water (ft)			Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface		
VOCs (µg/L)												
1,1-dichloroethane	5	1	U	U	U	U	U	U	U	U		
1,2,4-Trimethylbenzene	5	1	U	U	U	U	U	U	U	U		
1,2-dichlorobenzene	3	1	U	U	U	U	U	U	U	U		
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U	U	U		
acetone	50	10	1.55 F	U	U	1.15 F	1.36 F	U	U	U		
benzene	1	0.1	U	U	U	U	U	U	U	U		
chlorobenzene	5	0.5	U	U	U	U	U	NA	U	U		
dichlorodifluoromethane	5**	1	U	U	U	U	U	U	U	U		
methylene chloride	5	1	0.120 F	U	U	U	U	U	U	U		
Naphthalene	10	1	U	U	U	U	U	NA	U	U		
toluene	5	1	U	U	U	U	U	U	U	U		
Leachate Indicators (mg/L)												
alkalinity, Total	--	10	220	46	240	58	28	170	160	36		
ammonia	2	0.2	0.061	0.077	0.2	U	U	0.034 F	0.078 JB	0.044 J		
BOD5	--	2.4	U	U	U	U	U	U	1.8 J	U		
bromide	2	0.5	0.043 F	U	0.068 F	0.015 F	U	U	U	U		
COD	--	5	8.5 F	4.1 F	8.2 F	10	5.4 F	9.3 F	10 J	40		
chloride	250	1	15	9.5	14	11	8.2	5.3	7.0 J	4.0		
color	15	5	NA	30	NA	10	U	25	U	U		
Fluoride	1.5	1	NA	NA	NA	NA	NA	NA	NA	U		
hardness, Total	--	1	190	52	240	64	38	160	150	37		
nitrate	10	1	0.14	0.14	0.21	0.39	0.28	0.17 F	0.061 J	U		
TKN	1	1	0.23	0.20	0.47	0.22	0.40 B	0.47 F	0.90 JB	0.59 J		
sulfate	250	1	10	5.8	5.0	9.3	7.3	3.9 F	3.0 J	1.8 J		
TDS	500	10	280	77	280	U	71	170	190	64		
TOC	--	1	3.3	3.3	3.7	2.4	2.8	3.9	4.4	12		

For notes, please refer to the end of the tables section.

Table 2-3
Landfill 1 MAROS Trend Results

Well ID	Well Type	Number of Samples	Number of Detects	Mann-Kendall Statistic	Mann-Kendall Trend/ % Confidence		Linear Regression Trend/ % Confidence	
1,4-Dichlorobenzene								
LF1MW-103	Tail	14	1	-1	NT	50	NT	56.4
LF1MW-11	Source	22	22	-141	D	100	D	99.8
LF1MW-12	Tail	20	2	9	NT	60.1	NT	53.8
LF1MW-5	Source	22	22	-198	D	100	D	100
LF1P-2	Source	22	22	60	I	95.2	I	96.9
MWSAR03	Tail	22	17	-4	S	53.3	S	61.3
Chlorobenzene								
LF1MW-103	Tail	14	0	0	ND	47.8	ND	100
LF1MW-11	Source	22	22	-166	D	100	D	99.3
LF1MW-12	Tail	19	0	0	ND	48.6	ND	100
LF1MW-5	Source	22	22	-137	D	100	D	100
LF1P-2	Source	22	22	-101	D	99.8	D	99.8
MWSAR03	Tail	22	5	56	PI	93.9	I	96.3
Alkalinity [Carbonate (as C03)]								
LF1MW-10	Tail	19	19	91	I	99.9	I	99.6
LF1MW-103	Tail	6	6	4	NT	70.3	NT	66
LF1MW-11	Source	22	22	-26	S	75.7	I	100
LF1MW-12	Tail	20	20	90	I	99.8	I	98.2
LF1MW-13	Tail	20	20	-110	D	100	D	100
LF1MW-14	Tail	16	16	17	NT	76.1	NT	80.9
LF1MW-1R	Tail	4	4	-2	S	62.5	S	80.4
LF1MW-5	Source	22	22	-48	PD	90.6	I	100
LF1MW-6	Tail	21	21	65	I	97.4	I	97.7
LF1P-2	Source	22	22	-97	D	99.7	D	96.1
LF1P-3	Tail	20	20	28	NT	80.7	S	70.8
LF1P-5	Tail	20	20	-21	S	74	S	74.3
MWSAR03	Tail	22	22	-38	S	85	PD	92.2
Hardness [bicarbonate]								
LF1MW-10	Tail	19	19	61	I	98.3	NT	82.4
LF1MW-103	Tail	7	6	-10	PD	90.7	D	96.9
LF1MW-11	Source	22	22	-16	S	66.2	NT	66.9
LF1MW-12	Tail	20	20	34	NT	85.6	D	100
LF1MW-13	Tail	20	20	-101	D	100	D	99.6
LF1MW-14	Tail	16	16	-3	S	53.6	NT	60.3
LF1MW-1R	Tail	4	4	-2	S	62.5	S	79.5
LF1MW-5	Source	22	22	-49	PD	91.1	S	87.3
LF1MW-6	Tail	21	21	17	NT	68.4	NT	63.8
LF1P-2	Source	22	22	-92	D	99.6	S	89.2
LF1P-3	Tail	20	20	-52	D	95.1	PD	92.1
LF1P-5	Tail	20	20	-43	PD	91.3	S	82
MWSAR03	Tail	22	22	-76	D	98.4	D	99.9
Nitrate [nitrogen]								
LF1MW-10	Tail	19	18	58	I	97.7	I	97.1
LF1MW-103	Tail	5	4	-8	D	95.8	PD	93.9
LF1MW-11	Source	22	8	-2	S	51.1	S	78
LF1MW-12	Tail	19	5	-20	NT	74.4	NT	86.2
LF1MW-13	Tail	17	5	6	NT	58	NT	61.9
LF1MW-14	Tail	16	14	21	NT	81.3	NT	75.3
LF1MW-1R	Tail	4	2	1	NT	50	NT	83.7
LF1MW-5	Source	22	7	63	I	96	NT	83
LF1MW-6	Tail	21	7	40	NT	87.9	NT	76.1
LF1P-2	Source	21	9	91	I	99.8	I	99.6
LF1P-3	Tail	19	5	44	PI	93.3	I	96.3
LF1P-5	Tail	20	10	95	I	99.9	I	100
MWSAR03	Tail	21	12	-33	NT	83.1	PD	91.9
Total Organic Carbon								
LF1MW-10	Tail	16	16	-29	S	89.5	PD	92.1
LF1MW-103	Tail	7	6	-8	S	84.5	S	89
LF1MW-11	Source	22	22	-164	D	100	D	100
LF1MW-12	Tail	16	14	-6	S	58.8	S	60
LF1MW-13	Tail	20	20	5	NT	55.1	NT	74.1
LF1MW-14	Tail	14	14	21	NT	86	NT	75.5
LF1MW-1R	Tail	4	4	3	NT	72.9	NT	86.3
LF1MW-5	Source	22	22	-78	D	98.6	D	98
LF1MW-6	Tail	17	16	-5	S	56.4	D	100
LF1P-2	Source	21	21	-94	D	99.8	D	99.5
LF1P-3	Tail	13	9	-19	S	86.1	S	82.2
LF1P-5	Tail	19	18	-47	PD	94.6	D	96.3
MWSAR03	Tail	21	21	-37	S	86	S	68.5

Notes:

D = Decreasing

I = Increasing

NT = No trend

PD = Probably decreasing

PI = Probably increasing

S = Stable

* = One of the variables in the MAROS program is the value assigned to non-detects. This value was set at one half the detection limit, which causes a false positive for the COC's average concentration. Instead of 0 µg/L, the value of one half the detection limit was reported.

Table 2-4
Concentration Ranges for Select Components of Municipal Landfill Leachate¹

Leachate Indicators	“Typical” Range²	Average²
Alkalinity	500-100,000	3,600
Ammonia-N	100-400	300
BOD5	1,000-30,000	10,500
Chemical Oxygen Demand	1,000-50,000	15,000
Chloride	100-2,000	980
Hardness	500-10,000	4,200
Nitrate-N	0.1-10.0	4
Nitrogen-TKN	10-500	500
Phosphate	0.5-50	30
Sulfate	10-1,000	380
TDS	1,000-20,000	11,000
Total Organic Carbon	700-10,000	3,500

1 = Lee, G. Fred, and A. R. Jones, Groundwater Pollution by municipal landfills: Leachate Composition, Detection and its Water Quality Significance. Proceedings of the National Water Well Association Fifth National Outdoor Action Conference, Las Vegas, 1991.

2 = units in milligrams per Liter

Table 2-5
LF001 AOC LTM Network

Sampling Locations	Screen Interval Depth (ft MSL)	Sampling Rationale	Target Analytes/ EPA Method Numbers ¹	Matrix	# of Samples	Sampling Frequency	Evaluation Criteria
Groundwater LF1P-3 LF1P-5 LF1MW-1R LF1MW-13 LF1MW-103 LF1MW-14	494.13' – 489.13' 479.91' – 474.94' 534.46' – 524.46' 495.82' – 485.82' 32.8' – 22.8' ⁵ 483.91' – 473.91'	----- Downgradient Downgradient Upgradient POC well Bedrock Downgradient -----	Anions – SW9056 Nitrogen (TKN) – 351.2 Ammonia – 350.1 Chemical Oxygen Demand (COD) – 410.4 Biological Oxygen Demand (BOD) – 405.1 Total Organic Carbon (TOC) - SW9060 Total Dissolved Solids (TDS) – 160.1 Alkalinity – 310.2 Phenols – SW9066 Hardness – 130.2 Color – 110.2 Boron – SW6010B	Water	16 ³	Annually	If downgradient wells do not exhibit exceedances of NYS Groundwater Standards or Base background levels for two successive monitoring events, evaluate monitoring frequency and number of wells. Surface water analytes and frequency will be varied to follow groundwater program.
LF1P-2 LF1MW-5 LF1MW-6 LF1MW-10 LF1MW-11 LF1MW-12 MWSAR03 Surface Water (Six Mile Creek) LF1SW-1 LF1SW-2SMC LF1SW-3	495.07' – 490.07' 485.26' – 475.26' 492.36' – 482.36' 511.08' – 501.08' 494.25' – 484.25' 483.91' – 473.91' 521.28' – 511.28' Depth to groundwater ranged from 0.0 to 27.1 ft bgs.	Downgradient Downgradient Downgradient Downgradient Downgradient Downgradient Downgradient Potential contaminant receptor Potential contaminant receptor Potential contaminant receptor	<u>VOCs</u> – SW8260 Anions – SW9056 Nitrogen (TKN) – 351.2 Ammonia – 350.1 Chemical Oxygen Demand (COD) – 410.4 Biological Oxygen Demand (BOD) – 405.1 Total Organic Carbon (TOC) - SW9060 Total Dissolved Solids (TDS) – 160.1 Alkalinity – 310.2 Phenols – SW9066 Hardness – 130.2 Color – 110.2 Boron – SW6010B				
Methane All gas monitoring probes and vents	--	In accordance with 6 NYCRR 360-2.17(f)	CGI Methane or %LEL ⁴	Gas	20 probes 31 vents	Semiannually	

1 Baseline parameters based on 6 NYCRR Part 360, Subpart 2, Appendix A.

**Table 2-6
Landfill 1 AOC Historical LTM Network Optimization**

Sampling Locations	Sampling Rationale	Target Analytes/ Method Numbers¹	Sampling Frequency	Evaluation Criteria/ Modification Justification
Historical LTM Network Changes				
November 2011 (CERCLA Sites Optimization Plans)				
Analysis/Frequency Change				
Groundwater LF1MW-1R LF1P-3 LF1MW-10 LF1MW-12 LF1MW-103	----- Upgradient of source Downgradient from source and plume Downgradient from source, cross-gradient from plume Downgradient from source Bedrock, Downgradient from source	<u>Metals</u> – SW6010B (except Hg) <u>Landfill Leachate Indicators:</u> Anions – SW9056 Nitrogen (TKN) – 351.2 Ammonia – 350.1 COD – 410.4 BOD – 405.1 TOC – SW9060 TDS – SM2540C Alkalinity – SM2320B Hardness – 130.2 Color – 110.2	Annually	Remove VOC analysis as these monitoring wells have not shown VOC exceedances in previous sampling rounds or have shown VOC exceedances in several years.
January 2011				
Analysis/Frequency Change				
Gas Sampling 18 monitoring probes and 31 gas vents	In accordance with 6 NYCRR 360-2.17 (f)	Methane LEL Oxygen Carbon dioxide Barometric pressure	Semi-annually	Reduce monitoring frequency to semi-annual as methane levels have stabilized throughout the site.

Table 2-6 (continued)
Landfill 1 AOC Historical LTM Network Optimization

Historical LTM Network Changes				
August 2009				
Analysis/Frequency Changes				
Groundwater LF1P-2 LF1P-3 LF1MW-5 LF1MW-6 LF1MW-10 LF1MW-11 LF1MW-12 LF1MW-13 LF1MW-14 LF1MW-103 MWSAR03 Surface Water (Six Mile Creek) LF1SW-1 LF1SW-2SMC LF1SW-3	----- Downgradient from source, within plume Downgradient from source and plume Downgradient from source, within plume Downgradient from source Downgradient from source, cross-gradient from plume Downgradient from source Downgradient from source POC well POC well Bedrock, Downgradient from source Downgradient from source ----- Potential contaminant receptor Potential contaminant receptor Potential contaminant receptor	VOCs – SW8260 <u>Metals</u> – SW6010B (except Hg) <u>Landfill Leachate Indicators:</u> Anions – SW9056 Nitrogen (TKN) – 351.2 Ammonia – 350.1 COD – 410.4 BOD – 405.1 TOC – SW9060 TDS – 160.1 Alkalinity – 310.2 Hardness – 130.2 Color – 110.2	Annually	Reduce sampling frequency from semi-annually to annually. Sampling frequency reduced due to low concentrations of COCs.
April 2008				
Analysis/Frequency Changes				
All groundwater monitoring wells utilizing low flow sampling	--	<u>Metals</u> – SW6010B (except Hg)	Semi-annually Annually (Baseline)	Samples collected for metals analysis will be analyzed for total concentrations only.

Table 2-6 (continued)
Landfill 1 AOC Historical LTM Network Optimization

Historical LTM Network Changes				
June 2007				
Analysis/Frequency Changes				
Groundwater LF1P-2 LF1MW-5 LF1MW-6 LF1MW-11 MWSAR03	----- Downgradient from source and within plume Downgradient from source and within plume Downgradient from source Downgradient from source Downgradient from source	<u>VOCs</u> – SW8260 <u>Metals</u> – SW6010B (except Hg) <u>Landfill Leachate Indicators:</u> Anions – SW9056 Nitrogen (TKN) – 351.2 Ammonia – 350.1 COD – 410.4 BOD – 405.1 TOC – SW9060 TDS – 160.1 Alkalinity – 310.2 Hardness – 130.2 Color ² – 110.2	Semi-annually	Reduce sampling frequency from quarterly to semi-annually. Sampling frequency was reduced, due to the low concentrations of COCs.
April 2006				
Analysis/Frequency Changes				
Groundwater LF1P-3 LF1P-5 LF1MW-10 LF1MW-12 LF1MW-13 LF1MW-14 LF1MW-103 Surface Water (Six Mile Creek) LF1SW-1 LF1SW-2SMC LF1SW-3	----- Downgradient from source and plume Downgradient from source and plume Downgradient from source, cross-gradient from plume Downgradient from source POC well POC well Bedrock, Downgradient from source ----- Potential contaminant receptor Potential contaminant receptor Potential contaminant receptor	<u>VOCs</u> – SW8260 <u>Metals</u> – SW6010B (except Hg) <u>Landfill Leachate Indicators:</u> Anions – SW9056 Nitrogen (TKN) – 351.2 Ammonia – 350.1 COD – 410.4 BOD – 405.1 TOC – SW9060 TDS – 160.1 Alkalinity – 310.2 Hardness – 130.2 Color ² – 110.2	Semi-annually	Reduce sampling frequency from quarterly to semi-annually. Sampling frequency was reduced, due to the low concentrations of COCs.

Table 2-6 (continued)
Landfill 1 AOC Historical LTM Network Optimization

Historical LTM Network Changes				
April 2006				
Analysis/Frequency Changes				
All groundwater monitoring wells and surface water sampling locations	--	<u>Metals</u> – SW6010B (except Hg)	Quarterly (Routine) Semi-annually Annually (Baseline)	Samples collected for metals analysis, will be analyzed for both dissolved and total concentrations.
All groundwater monitoring wells and surface water sampling locations	--	<u>VOCs</u> – SW8260 <u>Metals</u> – SW6010B (except Hg) <u>Landfill Leachate Indicators:</u> Anions – SW9056 Nitrogen (TKN) – 351.2 Ammonia – 350.1 COD – 410.4 BOD – 405.1 TOC – SW9060 TDS – 160.1 Alkalinity – 310.2 Hardness – 130.2 Color ² – 110.2	Quarterly (Routine) Semi-annually Annually (Baseline)	Analytes list was reduced, due to the low concentrations or absence of particular COCs. The following analytes were removed: boron, cyanide, mercury, PCBs, pesticides, and phenols.
October 2005				
Added Sampling Locations				
LF1GMP-18, LF1GMP-19, LF1GMP-20	POC Gas Monitoring Probes	Methane, LEL, Oxygen, Carbon dioxide, Barometric pressure	Quarterly	Quarterly monitoring with semi-annual evaluation and recommendations.
LF1VENT-24, LF1VENT-25 LF1VENT-26 LF1VENT-27 LF1VENT-28 LF1VENT-29 LF1VENT-30 LF1VENT-31	Landfill Gas Vents	Methane LEL Oxygen Carbon dioxide Barometric pressure	Quarterly	Quarterly monitoring with semi-annual evaluation and recommendations.

Table 2-6 (continued)
Landfill 1 AOC Historical LTM Network Optimization

Historical LTM Network Changes				
October 2005				
Removed Sampling Locations				
LF1VENT-23	Landfill Gas Vent	--	--	Gas vent was removed during the construction of the passive gas vent trench.
January 2005				
Analysis/Frequency Changes				
All groundwater monitoring wells and surface water sampling locations	--	VOCs – SW8260 <u>Metals</u> – SW6010B (except Hg) <u>Mercury</u> – SW7470 <u>Cyanide</u> – SW9010 <u>Pesticides/PCBs</u> – SW8081/SW8082 <u>Landfill Leachate Indicators:</u> Anions – SW9056 Nitrogen (TKN) – 351.2 Ammonia – 350.1 COD – 410.4 BOD – 405.1 TOC – SW9060 TDS – 160.1 Alkalinity – 310.2 Phenols – SW9066 Hardness – 130.2 Color – 110.2 Boron – SW6010B	Annually (Baseline)	It was recommended that baseline sampling be postponed until the March 2005 sampling round. By postponing the baseline sampling at the Landfill 1 AOC, baseline parameters were collected at all on-base landfill AOCs (Landfills 1, 2/3, 5, and 7) during a single sampling event (March/spring sampling round).
November 2004				
Added Sampling Locations				
LF1MW-14	POC well	Same as above	Quarterly (Routine) Annually (Baseline)	Quarterly monitoring with semi-annual evaluation and recommendations. POC well, downgradient of second plume.

Table 2-6 (continued)
Landfill 1 AOC Historical LTM Network Optimization

Historical LTM Network Changes				
November 2004				
Added Sampling Locations				
LF1GMP-11 LF1GMP-12 LF1GMP-13 LF1GMP-14 LF1GMP-15 LF1GMP-16 LF1GMP-17	POC Gas Monitoring Probes	Methane LEL Oxygen Carbon dioxide Barometric pressure	Quarterly	Quarterly monitoring with semi-annual evaluation and recommendations.
LF1VENT-23	Landfill Gas Vent	Methane, LEL Oxygen, Carbon dioxide, Barometric pressure	Quarterly	Quarterly monitoring with semi-annual evaluation and recommendations.
April 2004				
Analysis/Frequency Changes				
LF1SW-2SMC	Potential contaminant receptor	<u>VOCs</u> – SW8260 <u>SVOCs</u> – SW8270 <u>Metals</u> – SW6010B (except Hg) <u>Mercury</u> ² – SW7470 <u>Cyanide</u> ² – SW9010 <u>Pesticides/PCBs</u> ² – SW8081/SW8082 <u>Landfill Leachate Indicators:</u> Anions – SW9056 Nitrogen (TKN) – 351.2 Ammonia – 350.1 COD – 410.4 BOD – 405.1 TOC – SW9060 TDS – 160.1 Alkalinity – 310.2 Phenols – SW9066 Hardness – 130.2 Color ² – 110.2 Boron ² – SW6010B	Quarterly (Routine) Annually (Baseline)	Quarterly monitoring with semi-annual evaluation and recommendations. Due to the proximity of surface water sampling location LF1SW-2 (Landfill 1 AOC LTM network) to sediment/ surface water sampling location SMCFS-2 (Six Mile Creek AOC LTM network), the sampling locations were combined into one location. The list of analytes sampled for at this combined location (LF1SW-2SMC) is the union of the Landfill 1 AOC target analytes list and the Six Mile Creek target analytes list.

1 Target analytes are based on 6 NYCRR Part 360, Subpart 2, Appendix A.

2 Analyses only performed in baseline sampling. (Unless otherwise specified, parameters are analyzed on a routine/quarterly basis).

3 Landfill gas parameters will be collected in the field with a portable gas analyzer.

Table 3-1
Landfill 2/3 Landfill Gas Monitoring Results

Sample Location	27-Sep-04				5-Nov-04				16-Dec-04				17-Jan-05				17-Feb-05			
	Barometric Pressure (in.) = 29.68				Barometric Pressure (in.) = 29.60				Barometric Pressure (in.) = 29.79				Barometric Pressure (in.) = 29.77				Barometric Pressure (in.) = 29.34			
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF2GMP-01	32	1.6	2.4	16.0	---	---	---	---	6	0.3	1.0	13.1	0	0.0	4.1	10.7	0	0.0	6.4	10.5
LF2GMP-02	>100	8.7	4.7	6.3	---	---	---	---	41	2.4	11.3	7.4	6	0.3	10.0	7.4	0	0.0	13.3	5.3
LF2GMP-03	0	0.0	18.7	2.7	---	---	---	---	>100	11.3	0.5	21.5	>100	9.5	0.5	19.9	0	0.0	5.7	12.5
LF2GMP-04	62	3.0	9.4	12.3	---	---	---	---	>100	13.1	0.7	26.9	>100	11.4	0.6	23.1	>100	10.8	3.6	22.0
LF2GMP-05	>100	7.0	5.8	7.6	---	---	---	---	6	0.3	16.2	2.2	0	0.0	18.5	0.9	0	0.0	20.2	0.2
LF2GMP-06	0	0.0	13.9	6.0	---	---	---	---	6	0.3	12.4	7.8	0	0.0	14.1	6.3	0	0.0	18.2	3.0
LF2GMP-07	0	0.0	16.9	4.5	---	---	---	---	6	0.3	17.5	2.9	0	0.0	18.0	1.8	0	0.0	19.1	1.4
LF2GMP-08	NI	NI	NI	NI	0	0.0	20.3	0.5	4	0.2	19.4	0.9	0	0.0	19.8	0.2	0	0.0	19.6	0.8
LF2GMP-09	NI	NI	NI	NI	0	0.0	21.0	0.2	4	0.2	20.1	0.3	0	0.0	20.6	0.2	0	0.0	20.5	0.2
LF2VENT-01	---	---	---	---	---	---	---	---	>100	19.5	5.5	17.5	>100	7.2	9.1	10.0	>100	7.6	7.6	9.6
LF2VENT-02	---	---	---	---	---	---	---	---	54	2.7	18.2	2.3	44	2.2	18.5	1.7	>100	9.8	11.8	9.9
LF2VENT-03	>100	15.2	6.8	13.0	---	---	---	---	>100	44.5	1.5	20.3	>100	28.2	8.9	13.3	>100	25.1	9.1	14.0
LF2VENT-04	>100	10.5	15.0	8.6	---	---	---	---	>100	33.3	0.2	22.8	>100	22.2	5.6	16.1	>100	25.9	2.3	19.5
LF2VENT-05	>100	32.0	0.3	29.4	---	---	---	---	>100	24.6	0.0	25.1	>100	21.3	1.0	21.5	>100	14.7	0.3	21.0
LF2VENT-06	>100	13.7	7.9	15.9	---	---	---	---	>100	8.6	0.7	20.3	54	2.7	5.2	14.7	0	0.0	21.0	0.0
LF2VENT-07	>100	10.0	18.4	5.2	---	---	---	---	>100	11.3	3.7	8.8	>100	6.5	5.8	7.8	16	0.8	11.3	3.5
LF2VENT-08	66	3.2	5.7	12.6	---	---	---	---	4	0.2	3.9	10.0	0	0.0	11.2	5.5	0	0.0	10.1	6.9
LF2VENT-09	---	---	---	---	---	---	---	---	6	0.3	6.8	4.7	0	0.0	18.4	0.5	0	0.0	14.0	3.7
LF2VENT-10	---	---	---	---	---	---	---	---	24	1.2	9.4	5.1	2	0.1	13.0	3.6	0	0.0	15.2	3.9
LF2VENT-11	50	2.5	16.1	5.2	---	---	---	---	>100	8.8	1.2	15.2	>100	7.8	1.4	13.1	48	2.4	6.9	10.7
LF2VENT-12	>100	24.3	0.3	29.1	---	---	---	---	>100	13.1	0.0	21.3	>100	9.1	0.5	12.9	>100	6.0	2.2	16.2
LF2VENT-13	54	3.1	19.9	1.9	---	---	---	---	>100	23.0	4.0	15.9	>100	18.0	6.6	12.9	>100	17.5	6.0	12.7
LF2VENT-14	>100	11.4	16.7	8.0	---	---	---	---	>100	38.1	0.4	26.7	>100	32.5	1.5	20.6	>100	28.5	0.9	22.3

Notes:

NI Not Installed

--- Not monitored

Table 3-1
Landfill 2/3 Landfill Gas Monitoring Results

Sample Location	24-Mar-05				28-Apr-05				26-May-05				23-Jun-05				1-Aug-05			
	Barometric Pressure (in.) = 30.00				Barometric Pressure (in.) = 29.28				Barometric Pressure (in.) = 29.23				Barometric Pressure (in.) = 29.61				Barometric Pressure (in.) = 29.54			
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF2GMP-01	0	0.0	18.1	1.2	0	0.0	16.1	2.3	4	0.2	19.3	0.3	0	0.0	9.7	8.3	12	0.6	3.7	16.2
LF2GMP-02	0	0.0	13.1	5.7	6	0.3	10.0	8.1	40	2.0	8.5	9.8	76	3.8	8.7	11.4	>100	5.2	11.2	6.8
LF2GMP-03	0	0.0	14.6	6.3	0	0.0	14.7	5.5	0	0.0	18.8	2.3	0	0.0	19.5	1.1	0	0.0	19.1	1.1
LF2GMP-04	>100	5.9	6.7	17.4	>100	9.1	8.6	17.3	80	4.0	10.2	12.7	16	0.8	10.6	11.5	18	0.9	6.1	14.7
LF2GMP-05	0	0.0	20.6	0.2	0	0.0	18.2	0.5	0	0.0	15.3	1.1	12	0.6	10.3	3.2	>100	9.5	5.5	9.2
LF2GMP-06	0	0.0	18.4	2.4	0	0.0	17.0	3.1	0	0.0	16.7	2.9	0	0.0	15.9	3.5	0	0.0	13.3	6.0
LF2GMP-07	0	0.0	18.6	1.5	0	0.0	18.6	2.2	0	0.0	19.7	1.6	0	0.0	18.0	2.5	0	0.0	18.4	2.6
LF2GMP-08	0	0.0	19.0	1.1	0	0.0	19.8	0.9	0	0.0	20.4	0.5	0	0.0	19.6	0.9	0	0.0	20.1	0.3
LF2GMP-09	0	0.0	20.2	0.4	0	0.0	20.7	0.3	0	0.0	20.7	0.2	0	0.0	20.0	0.3	0	0.0	20.2	0.2
LF2VENT-01	>100	5.2	15.7	3.3	>100	9.0	14.2	5.3	0	0.0	21.2	0.0	0	0.0	18.7	1.1	0	0.0	20.2	0.5
LF2VENT-02	46	2.3	17.8	2.5	16	0.8	20.2	0.5	60	3.0	17.6	3.8	0	0.0	15.8	4.1	0	0.0	20.4	0.1
LF2VENT-03	>100	25.2	8.2	14.4	>100	24.0	11.3	14.2	>100	18.1	7.1	18.9	>100	7.5	8.5	16.5	14	0.7	11.9	13.1
LF2VENT-04	>100	12.5	9.3	10.4	>100	11.0	5.5	15.9	0	0.0	20.8	0.1	2	0.1	8.0	10.6	8	0.4	19.1	1.8
LF2VENT-05	84	4.2	7.1	10.4	66	3.3	21.0	0.0	52	2.6	16.1	6.0	0	0.0	17.7	1.7	8	0.4	20.5	0.1
LF2VENT-06	0	0.0	18.4	2.1	24	1.2	9.1	10.1	0	0.0	21.2	0.0	0	0.0	19.7	0.2	>100	5.1	11.1	11.7
LF2VENT-07	0	0.0	20.3	0.2	16	0.8	13.4	4.2	0	0.0	20.9	0.1	0	0.0	10.2	4.8	0	0.0	18.7	2.8
LF2VENT-08	0	0.0	20.9	0.0	0	0.0	11.6	5.3	0	0.0	21.1	0.0	0	0.0	17.2	1.8	>100	6.5	3.4	17.3
LF2VENT-09	0	0.0	20.8	0.0	0	0.0	17.2	2.7	0	0.0	21.0	0.0	0	0.0	17.9	1.6	0	0.0	16.8	4.7
LF2VENT-10	0	0.0	20.7	0.0	0	0.0	18.5	1.5	0	0.0	21.1	0.0	0	0.0	18.3	1.5	0	0.0	16.5	4.8
LF2VENT-11	0	0.0	20.6	0.1	60	3.0	9.1	8.4	0	0.0	21.1	0.0	0	0.0	18.2	1.4	50	2.5	10.7	10.8
LF2VENT-12	0	0.0	15.5	3.3	>100	8.3	2.6	16.8	0	0.0	21.1	0.0	0	0.0	16.4	1.4	>100	9.6	7.8	15.6
LF2VENT-13	>100	16.8	8.7	10.2	>100	21.1	9.4	12.7	2	0.1	17.8	4.0	0	0.0	15.5	3.1	0	0.0	19.8	0.9
LF2VENT-14	>100	26.5	5.5	19.9	>100	32.5	2.5	24.9	>100	18.3	3.1	23.3	8	0.4	19.0	1.0	86	4.3	17.8	2.8

Notes:

NI Not Installed

--- Not monitored

Table 3-1
Landfill 2/3 Landfill Gas Monitoring Results

Sample Location	29-Aug-05				7-Oct-05				14-Nov-05				28-Nov-05				6-Jan-05			
	Barometric Pressure (in.) = 29.50				Barometric Pressure (in.) = 29.87				Barometric Pressure (in.) = 30.32				Barometric Pressure (in.) = 30.06				Barometric Pressure (in.) = 29.13			
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF2GMP-01	10	0.5	15.3	5.7	20	1.0	2.3	14.8	16	0.8	0.7	11.5	12	0.6	0.2	12.1	0	0.0	9.8	5.6
LF2GMP-02	0	0.0	20.5	0.0	>100	9.5	0.3	22.1	>100	5.1	6.4	11.4	>100	7.0	3.4	14.2	20	1.0	2.9	11.3
LF2GMP-03	0	0.0	19.4	1.3	0	0.0	19.4	1.2	0	0.0	17.6	2.2	0	0.0	12.2	3.7	88	4.4	0.0	14.4
LF2GMP-04	0	0.0	6.4	15.1	4	0.2	9.0	9.0	>100	6.2	15.4	4.1	>100	9.2	2.8	20.9	>100	11.9	1.0	25.1
LF2GMP-05	>100	8.9	6.3	12.3	38	1.9	6.7	10.9	0	0.0	12.9	6.5	0	0.0	14.2	5.5	0	0.0	14.0	5.3
LF2GMP-06	0	0.0	13.4	7.1	0	0.0	13.9	6.3	0	0.0	12.9	6.2	0	0.0	12.8	6.6	2	0.1	11.4	7.4
LF2GMP-07	6	0.3	18.5	2.9	0	0.0	17.9	2.5	0	0.0	17.4	2.9	0	0.0	18.1	2.7	0	0.0	19.4	2.4
LF2GMP-08	0	0.0	19.9	0.9	0	0.0	20.1	0.6	0	0.0	19.5	1.0	0	0.0	20.3	0.8	0	0.0	20.7	0.1
LF2GMP-09	0	0.0	20.2	0.3	0	0.0	20.6	0.1	0	0.0	20.2	0.3	0	0.0	20.7	0.2	0	0.0	20.5	0.5
LF2VENT-01	0	0.0	19.4	1.3	0	0.0	19.5	1.0	6	0.3	18.8	1.3	>100	7.5	12.8	6.1	---	---	---	---
LF2VENT-02	0	0.0	19.6	1.1	0	0.0	20.6	0.0	0	0.0	20.2	0.2	>100	11.3	11.9	10.3	---	---	---	---
LF2VENT-03	38	1.9	7.5	19.3	0	0.0	20.6	0.0	0	0.0	19.5	0.4	80	4.0	14.9	1.7	---	---	---	---
LF2VENT-04	2	0.1	8.6	12.2	0	0.0	20.7	0.0	40	2.0	8.7	8.0	18	0.9	15.0	5.3	---	---	---	---
LF2VENT-05	18	0.9	11.3	8.5	>100	26.0	0.4	26.2	>100	5.1	14.7	6.7	>100	25.6	1.0	24.1	---	---	---	---
LF2VENT-06	0	0.0	20.2	0.3	0	0.0	20.5	0.0	0	0.0	20.2	0.3	64	3.2	12.4	8.5	---	---	---	---
LF2VENT-07	0	0.0	15.8	4.5	0	0.0	20.4	0.0	0	0.0	20.6	0.0	0	0.0	21.0	0.0	---	---	---	---
LF2VENT-08	4	0.2	20.6	0.1	>100	6.8	0.3	18.3	0	0.0	20.7	0.0	0	0.0	21.1	0.0	---	---	---	---
LF2VENT-09	2	0.1	19.6	1.8	0	0.0	20.6	0.0	0	0.0	20.6	0.0	0	0.0	21.0	0.0	---	---	---	---
LF2VENT-10	0	0.0	18.7	2.6	0	0.0	19.6	0.6	0	0.0	20.6	0.0	0	0.0	20.6	0.0	---	---	---	---
LF2VENT-11	0	0.0	20.7	0.2	70	3.5	2.6	14.4	0	0.0	19.5	0.7	38	1.9	10.0	7.0	---	---	---	---
LF2VENT-12	6	0.3	17.4	3.5	>100	16.2	1.2	23.0	8	0.4	17.3	2.7	78	3.9	12.8	7.8	---	---	---	---
LF2VENT-13	0	0.0	18.5	2.3	0	0.0	18.9	2.1	0	0.0	19.6	0.3	>100	5.1	9.7	2.8	---	---	---	---
LF2VENT-14	28	1.4	10.2	11.6	30	1.5	19.3	1.7	18	0.9	19.1	0.7	>100	11.5	9.2	8.9	---	---	---	---

Notes:

NI Not Installed

--- Not monitored

Table 3-1
Landfill 2/3 Landfill Gas Monitoring Results

Sample Location	30-Mar-06				20-Apr-06				26-May-06				30-Jun-06				28-Jul-06			
	Barometric Pressure (in.) = 30.22				Barometric Pressure (in.) = 30.02				Barometric Pressure (in.) = 30.06				Barometric Pressure (in.) = 29.96				Barometric Pressure (in.) = 29.24			
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF2GMP-01	0	0.0	16.8	2.7	0	0.0	17.2	3.2	0	0.0	13.0	5.3	0	0.0	16.1	3.2	63	3.2	0.6	17.4
LF2GMP-02	0	0.0	3.1	11.9	0	0.0	20.9	0.0	8	0.4	19.9	0.2	>100	10.7	0.3	19.9	0	0.0	21.6	0.0
LF2GMP-03	0	0.0	20.9	0.0	0	0.0	20.9	0.0	0	0.0	20.1	0.0	0	0.0	20.2	0.0	0	0.0	21.6	0.0
LF2GMP-04	10	0.5	12.2	2.8	0	0.0	20.9	0.0	0	0.0	20.1	0.0	0	0.0	20.2	0.0	0	0.0	21.1	0.0
LF2GMP-05	0	0.0	19.0	0.7	0	0.0	20.8	0.0	4	0.2	10.5	2.7	0	0.0	20.0	0.1	>100	14.9	0.2	10.6
LF2GMP-06	0	0.0	16.5	3.3	0	0.0	21.0	0.0	4	0.2	20.1	0.1	0	0.0	20.2	0.0	0	0.0	10.7	7.3
LF2GMP-07	0	0.0	20.0	1.0	0	0.0	20.6	0.5	2	0.1	19.9	0.3	0	0.0	17.8	2.9	0	0.0	18.8	2.1
LF2GMP-08	0	0.0	20.2	0.4	0	0.0	20.4	0.6	4	0.2	19.9	0.3	0	0.0	18.7	1.4	0	0.0	19.9	1.5
LF2GMP-09	0	0.0	20.7	0.2	0	0.0	20.8	0.2	4	0.2	20.0	0.1	0	0.0	19.7	0.6	0	0.0	20.2	0.6
LF2VENT-01	6	0.3	20.2	0.1	0	0.0	20.9	0.0	0	0.0	20.1	0.0	0	0.0	20.2	0.0	0	0.0	21.6	0.0
LF2VENT-02	16	0.8	19.5	1.4	44	2.2	18.8	2.2	6	0.3	20.1	0.1	0	0.0	20.2	0.0	0	0.0	21.6	0.0
LF2VENT-03	0	0.0	20.1	0.1	4	0.2	19.2	0.9	4	0.2	20.0	0.1	0	0.0	20.1	0.1	0	0.0	11.7	7.2
LF2VENT-04	66	3.3	16.2	2.3	32	1.6	14.0	3.7	0	0.0	20.1	0.0	6	0.3	13.8	3.9	3	0.2	18.0	1.9
LF2VENT-05	>100	5.5	11.3	8.0	0	0.0	20.8	0.1	0	0.0	20.1	0.0	0	0.0	19.6	0.8	>100	17.3	0.9	21.1
LF2VENT-06	0	0.0	13.4	6.6	0	0.0	21.0	0.1	2	0.1	20.0	0.0	48	2.4	12.3	6.1	>100	15.4	4.7	17.1
LF2VENT-07	0	0.0	19.9	0.1	0	0.0	20.2	0.2	6	0.3	16.2	2.8	0	0.3	20.0	0.2	0	0.0	3.6	7.9
LF2VENT-08	4	0.2	17.4	1.9	0	0.0	19.4	1.5	0	0.0	20.1	0.0	0	0.0	14.7	2.6	14	0.7	2.4	13.4
LF2VENT-09	0	0.0	18.0	1.1	0	0.0	14.5	3.7	0	0.0	20.2	0.0	0	0.0	9.7	6.6	0	0.0	5.2	11.2
LF2VENT-10	0	0.0	20.1	0.1	0	0.0	18.8	1.0	0	0.0	20.2	0.0	0	0.0	20.3	0.0	0	0.0	4.3	12.1
LF2VENT-11	18	0.9	16.5	2.5	0	0.0	21.0	0.0	0	0.0	20.2	0.0	0	0.0	20.3	0.0	8	0.4	6.0	11.3
LF2VENT-12	36	1.8	5.8	10.1	0	0.0	20.9	0.2	2	0.1	20.2	0.1	22	1.1	14.5	5.1	>100	16.9	1.6	20.3
LF2VENT-13	22	1.1	19.1	0.4	0	0.0	20.9	0.0	0	0.0	20.1	0.0	0	0.0	20.1	0.0	0	0.0	21.6	0.0
LF2VENT-14	>100	6.6	16.1	4.5	>100	10.5	13.8	8.5	>100	15.6	6.6	17.9	>100	8.5	14.5	5.6	>100	20.8	1.1	21.2

Notes:

NI Not Installed

--- Not monitored

Table 3-1
Landfill 2/3 Landfill Gas Monitoring Results

Sample Location	18-Aug-06				29-Sep-06				4-Jan-07				31-May-07				30-Jul-07			
	Barometric Pressure (in.) = 30.18				Barometric Pressure (in.) = 29.83				Barometric Pressure (in.) = 29.40				Barometric Pressure (in.) = 29.43				Barometric Pressure (in.) = 29.49			
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF2GMP-01	0	0.0	16.3	3.1	0	0.0	20.3	0.1	0	0.0	20.7	0.1	32	1.6	17.6	1.9	0	0.0	20.2	0.4
LF2GMP-02	>100	12.1	0.0	22.4	>100	11.2	21.7	1.5	2	0.1	4.5	11.4	32	1.6	0.4	9.6	>100	5.4	6.5	15.0
LF2GMP-03	0	0.0	20.1	0.0	0	0.0	20.1	0.0	0	0.0	20.2	0.3	0	0.0	19.9	0.0	0	0.0	20.6	0.1
LF2GMP-04	0	0.0	20.2	0.0	0	0.0	17.8	0.0	5	0.3	19.8	0.9	0	0.0	19.9	0.0	0	0.0	20.7	0.0
LF2GMP-05	>100	13.1	0.0	11.4	0	0.0	18.0	0.0	0	0.0	18.8	1.3	0	0.0	11.4	1.5	>100	7.7	3.5	7.7
LF2GMP-06	0	0.0	20.2	0.0	0	0.0	20.3	0.0	0	0.0	12.2	6.3	0	0.0	21.2	0.0	0	0.0	20.7	0.1
LF2GMP-07	0	0.0	19.8	0.3	0	0.0	17.3	1.6	0	0.0	20.7	0.4	0	0.0	21.0	0.0	0	0.0	20.9	0.2
LF2GMP-08	0	0.0	19.7	0.1	0	0.0	17.5	0.0	0	0.0	20.2	0.7	0	0.0	21.1	0.0	0	0.0	20.6	0.4
LF2GMP-09	0	0.0	20.2	0.0	0	0.0	19.8	0.4	1	0.1	20.7	0.2	0	0.0	20.4	0.0	0	0.0	20.6	0.2
LF2VENT-01	0	0.0	19.6	0.7	0	0.0	17.6	0.2	>100	5.7	15.8	2.9	30	1.5	19.6	0.1	0	0.0	20.4	0.2
LF2VENT-02	0	0.0	20.3	0.0	2	0.1	17.7	0.1	8	0.4	20.4	0.4	0	0.0	19.9	0.0	0	0.0	20.5	0.1
LF2VENT-03	0	0.0	20.1	0.0	0	0.0	20.0	0.0	0	0.0	20.7	0.1	1	0.1	18.4	1.2	0	0.0	20.5	0.2
LF2VENT-04	0	0.0	19.9	0.0	26	1.3	18.6	0.8	>100	5.5	15.9	2.7	3	0.2	17.3	2.1	0	0.0	19.9	0.8
LF2VENT-05	0	0.0	20.3	0.0	0	0.0	19.3	0.0	>100	28.5	0.2	23.0	0	0.0	20.2	0.0	16	0.8	13.0	5.0
LF2VENT-06	0	0.0	20.2	0.0	28	1.4	18.7	1.8	>100	12.6	6.6	15.1	0	0.0	20.1	1.2	0	0.0	20.0	0.4
LF2VENT-07	0	0.0	20.1	0.2	0	0.0	17.6	0.4	14	0.7	18.6	0.5	1	0.1	18.1	2.8	0	0.0	19.1	1.0
LF2VENT-08	0	0.0	12.9	6.3	0	0.0	17.6	0.0	0	0.0	18.1	1.4	0	0.0	16.1	4.8	0	0.0	20.8	0.2
LF2VENT-09	0	0.0	19.2	0.8	0	0.0	20.3	0.0	13	0.7	10.8	3.3	0	0.0	20.5	0.4	0	0.0	16.3	3.6
LF2VENT-10	0	0.0	20.3	0.0	0	0.0	20.1	0.1	0	0.0	20.2	0.4	0	0.0	19.6	1.2	0	0.0	20.2	0.3
LF2VENT-11	0	0.0	18.0	2.5	0	0.0	20.4	0.0	47	2.4	17.0	2.6	0	0.0	19.7	1.5	0	0.0	17.5	2.0
LF2VENT-12	0	0.0	19.5	0.8	10	0.5	17.3	1.3	>100	7.8	11.3	9.4	0	0.0	19.6	2.0	0	0.0	20.1	0.7
LF2VENT-13	0	0.0	18.8	1.1	0	0.0	18.0	0.0	70	3.5	16.8	1.0	0	0.0	21.0	0.2	0	0.0	20.0	0.9
LF2VENT-14	>100	5.3	11.5	10.1	6	0.3	19.4	0.1	>100	5.7	18.7	3.4	>100	6.3	13.5	8.3	96	4.8	7.7	10.1

Notes:

NI Not Installed

--- Not monitored

Table 3-1
Landfill 2/3 Landfill Gas Monitoring Results

Sample Location	6-Oct-07				23-Jan-08				17-Apr-08				16-Jul-08				17-Nov-08			
	Barometric Pressure (in.) = 30.15				Barometric Pressure (in.) = 29.42-29.48				Barometric Pressure (in.) = 30.01-30.02				Barometric Pressure (in.) = NA				Barometric Pressure (in.) = 29.64			
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF2GMP-01	0	0.0	20.6	0.0	0	0.0	20.2	0.5	0	0.0	20.7	0.1	0	0.0	11.4	5.5	0	0.0	20.7	0.2
LF2GMP-02	8	0.4	20.2	0.5	0	0.0	10.2	6.7	0	0.0	5.4	8.3	>100	9.5	0.0	19.3	0	0.0	21.0	0.1
LF2GMP-03	0	0.0	20.6	0.0	36	1.8	14.1	5.4	2	0.1	20.4	0.5	0	0.0	20.2	0.1	0	0.0	15.2	3.3
LF2GMP-04	0	0.0	20.6	0.0	1	0.1	19.7	0.8	4	0.2	20.6	0.1	0	0.0	20.5	0.0	0	0.0	20.0	1.1
LF2GMP-05	0	0.0	20.6	0.0	0	0.0	18.9	0.3	2	0.1	19.2	0.3	>100	6.9	0.4	7.8	0	0.0	17.8	2.2
LF2GMP-06	0	0.0	20.6	0.0	0	0.0	9.7	7.8	2	0.1	13.6	3.5	0	0.0	20.3	0.2	0	0.0	14.6	5.2
LF2GMP-07	0	0.0	20.6	0.0	0	0.0	19.9	1.0	6	0.3	20.1	0.3	0	0.0	19.6	1.0	0	0.0	20.2	1.3
LF2GMP-08	0	0.0	20.6	0.1	0	0.0	20.4	0.5	0	0.0	20.6	0.1	0	0.0	20.6	0.3	0	0.0	20.4	1.2
LF2GMP-09	0	0.0	20.6	0.0	0	0.0	20.6	0.3	2	0.1	20.8	0.2	0	0.0	20.5	0.3	0	0.0	21.2	0.4
LF2VENT-01	0	0.0	20.5	0.1	21	1.1	19.2	0.7	0	0.0	21.0	0.1	0	0.0	20.2	0.3	44	2.2	17.9	1.6
LF2VENT-02	0	0.0	20.6	0.0	28	1.5	19.7	1.7	8	0.4	20.7	0.2	0	0.0	20.7	0.1	6	0.3	21.4	0.3
LF2VENT-03	2	0.0	20.5	0.1	7	0.4	20.4	0.3	2	0.1	20.9	0.1	0	0.0	20.7	0.1	19	0.9	20.3	0.6
LF2VENT-04	4	0.1	20.3	0.3	1	0.1	20.2	0.7	8	4.0	19.3	0.5	2	0.1	20.0	0.3	51	3.1	16.6	2.7
LF2VENT-05	0	0.2	20.6	0.0	>100	23.6	2.3	20.8	>100	12.6	8.6	10.9	>100	6.8	4.2	11.7	>100	10.2	14.3	7.1
LF2VENT-06	0	0.0	20.6	0.0	>100	8.5	10.6	11.3	30	1.5	17.1	2.0	0	0.0	19.7	0.5	>100	26.1	1.2	22.3
LF2VENT-07	0	0.0	19.3	0.8	0	0.0	18.7	0.4	4	0.2	20.0	0.1	0	0.0	20.3	0.2	0	0.0	21.6	0.1
LF2VENT-08	0	0.0	16.5	3.2	45	2.3	13.2	4.4	26	1.3	14.4	2.3	0	0.0	19.5	0.6	2	0.1	20.2	0.9
LF2VENT-09	0	0.0	19.9	0.5	0	0.0	17.7	1.8	8	0.4	13.6	1.2	0	0.0	20.2	0.2	5	0.2	16.1	2.3
LF2VENT-10	0	0.0	20.2	0.3	0	0.0	19.5	0.9	6	0.3	20.1	0.0	0	0.0	20.8	0.1	2	0.1	20.6	0.7
LF2VENT-11	0	0.0	16.9	3.0	31	1.6	16.7	2.5	4	0.2	20.3	0.2	0	0.0	20.8	0.1	2	0.1	18.4	0.8
LF2VENT-12	0	0.0	18.4	2.3	>100	5.0	12.3	7.6	12	0.6	19.8	0.5	0	0.0	19.3	0.6	>100	5.0	15.0	6.0
LF2VENT-13	0	0.0	19.5	1.1	11	0.6	19.6	0.6	6	0.3	20.8	0.0	0	0.0	20.2	0.2	43	2.1	17.1	1.2
LF2VENT-14	2	0.1	20.3	0.2	32	1.6	18.9	1.3	22	1.1	19.2	0.5	0	0.0	20.3	0.2	6	0.3	19.7	1.0

Notes:

NI Not Installed

--- Not monitored

Table 3-1
Landfill 2/3 Landfill Gas Monitoring Results

Sample Location	15-Jan-09				28-Apr-09				10-Jul-09				21-Oct-09				3-Feb-10			
	Barometric Pressure (in.) = 28.98-29.62				Barometric Pressure (in.) = 29.41-29.51				Barometric Pressure (in.) = 29.52-29.6				Barometric Pressure (in.) = 29.56-29.5				Barometric Pressure (in.) = 29.34			
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF2GMP-01	0	0.0	20.7	0.1	0	0.0	19.7	0.7	0	0.0	16.9	2.4	0	0.0	21.0	0.0	0	0.0	21.1	0.1
LF2GMP-02	0	0.0	19.7	0.1	12	0.6	0.6	11.1	>100	9.7	0.0	17.5	>100	8.8	0.0	20.9	0	0.0	21.5	0.0
LF2GMP-03	0	0.0	21.4	0.3	0	0.0	21.1	0.0	0	0.0	20.0	0.0	0	0.0	19.3	1.1	3	0.1	21.1	0.4
LF2GMP-04	3	0.2	21.5	0.5	0	0.0	21.2	0.0	0	0.0	20.5	0.0	0	0.0	20.2	0.4	14	0.7	19.1	1.9
LF2GMP-05	0	0.0	20.9	0.2	0	0.0	17.8	0.5	64	3.2	0.1	6.3	0	0.0	0.4	12.9	0	0.0	22.0	0.1
LF2GMP-06	2	0.1	20.3	0.4	0	0.0	10.8	5.0	0	0.0	19.1	0.6	0	0.0	20.7	0.1	0	0.0	10.3	6.9
LF2GMP-07	0	0.0	20.1	0.4	0	0.0	20.0	0.5	0	0.0	19.9	0.1	0	0.0	20.6	0.2	0	0.0	21.3	1.2
LF2GMP-08	0	0.0	20.4	0.7	0	0.0	20.2	0.3	0	0.0	20.3	0.1	0	0.0	20.3	0.5	0	0.0	21.8	0.4
LF2GMP-09	0	0.0	20.5	0.4	0	0.0	20.8	0.0	0	0.0	20.4	0.1	0	0.0	20.4	0.3	0	0.0	21.9	0.3
LF2VENT-01	8	0.5	20.2	0.8	19	0.9	18.8	0.7	0	0.0	19.9	0.0	0	0.0	19.6	0.6	34	1.7	19.9	0.9
LF2VENT-02	1	0.1	21.7	0.2	0	0.0	20.8	0.0	0	0.0	19.8	0.0	4	0.2	20.7	0.1	0	0.0	21.9	0.2
LF2VENT-03	17	0.8	21.0	0.5	0	0.0	20.8	0.0	0	0.0	20.0	0.0	0	0	20.8	0.1	55	2.8	19.9	1.0
LF2VENT-04	2	0.1	19.5	1.8	0	0.0	20.6	0.0	0	0.0	20.1	0.0	>100	6.1	16.4	2.5	11	0.5	19.4	1.7
LF2VENT-05	21	1.1	19.9	1.1	0	0.0	20.4	0.0	0	0.0	20.3	0.0	>100	13.1	10.8	8.6	11	0.6	21.6	0.5
LF2VENT-06	67	3.4	17.0	3.0	0	0.0	20.2	0.0	8	0.4	18.2	0.8	>100	29.2	0.0	23.0	>100	6.8	14.7	6.8
LF2VENT-07	0	0.0	20.1	0.1	0	0.0	20.8	0.0	0	0.0	20.5	0.0	7	0.3	18.6	0.5	0	0.0	22.0	0.1
LF2VENT-08	4	0.2	17.5	1.5	0	0.0	21.0	0.0	0	0.0	20.3	0.0	0	0	21.0	0.0	0	0.0	22.1	0.1
LF2VENT-09	0	0.0	17.3	1.4	0	0.0	19.2	0.4	0	0.0	20.2	0.0	0	0	21.0	0.0	0	0.0	22.1	0.1
LF2VENT-10	0	0.0	19.6	0.6	0	0.0	21.2	0.0	0	0.0	20.2	0.0	0	0	20.9	0.0	0	0.0	22.0	0.1
LF2VENT-11	10	0.5	17.8	1.3	0	0.0	20.9	0.0	0	0.0	20.1	0.0	0	0	20.9	0.1	2	0.1	21.5	0.3
LF2VENT-12	66	3.2	13.6	4.6	0	0.0	20.9	0.0	0	0.0	20.2	0.0	0	0	21.0	0.1	4	0.2	21.3	0.4
LF2VENT-13	9	0.5	19.0	0.4	0	0.0	20.8	0.0	0	0.0	19.9	0.0	4	0.2	19.8	0.4	9	0.4	21.0	0.4
LF2VENT-14	40	2.0	18.8	0.7	0	0.0	20.8	0.0	0	0.0	20.4	0.0	14	0.5	17.9	1.0	92	4.6	16.4	1.7

Notes:

NI Not Installed

--- Not monitored

Table 3-1
Landfill 2/3 Landfill Gas Monitoring Results

Sample Location	6-May-10				26-Oct-10				13-May-11				19-Oct-11				9-May-12			
	Barometric Pressure (in.) = 29.05-29.06				Barometric Pressure (in.) = 29.24				Barometric Pressure (in.) = 29.21				Barometric Pressure (in.) = 29.11-29.14				Barometric Pressure (in.) = 28.89-28.95			
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF2GMP-01	0	0.0	16.9	2.2	0	0.0	18.5	1.6	0	0.0	20.2	0.5	0	0.0	16.3	2.8	0	0.0	21.7	0.0
LF2GMP-02	>100	5.4	1.0	16.3	0	0.0	15.8	4.8	4	0.2	18.4	1.4	>100	7.6	4.6	16.6	0	0.0	22.0	0.0
LF2GMP-03	0	0.0	21.0	0.0	0	0.0	17.4	2.5	0	0.0	19.5	1.3	0	0.0	19.0	2.3	0	0.0	22.0	0.0
LF2GMP-04	0	0.0	21.0	0.0	0	0.0	18.1	1.8	0	0.0	20.6	0.0	0	0.0	21.2	0.2	31	1.6	20.8	0.4
LF2GMP-05	0	0.0	21.0	0.0	0	0.0	18.4	1.5	0	0.0	11.7	2.1	>100	7.6	0.5	12.3	9	0.4	21.4	0.2
LF2GMP-06	0	0.0	21.3	0.0	3	0.2	17.4	2.2	0	0.0	8.8	5.3	0	0.0	6.2	10.2	>100	12.9	10.8	9.4
LF2GMP-07	0	0.0	20.9	0.5	5	0.3	18.1	2.3	0	0.0	18.7	1.5	0	0.0	19.2	2.9	0	0.0	21.5	0.1
LF2GMP-08	0	0.0	20.5	0.6	0	0.0	18.4	1.8	0	0.0	19.9	0.8	0	0.0	21.1	0.9	32	1.9	18.1	1.2
LF2GMP-09	0	0.0	21.0	0.3	0	0.0	18.9	1.3	0	0.0	20.3	0.3	0	0.0	21.8	0.0	0	0.0	22.3	0.1
LF2VENT-01	43	2.1	18.4	1.1	0	0.0	19.5	0.6	51	2.5	17.0	1.1	33	1.6	18.8	1.4	0	0.0	22.1	0.0
LF2VENT-02	0	0.0	21.0	0.0	0	0.0	19.4	0.6	2	0.1	20.0	0.0	0	0.0	21.9	0.0	0	0.0	22.3	0.1
LF2VENT-03	7	0.3	20.4	0.3	0	0.0	19.4	0.7	16	0.7	19.1	0.4	0	0.0	21.8	0.0	0	0.0	22.6	0.1
LF2VENT-04	41	2.0	14.2	5.2	1	0.0	19.1	0.9	86	5.2	16.6	1.2	60	2.8	17.6	1.9	2	0.1	22.1	0.1
LF2VENT-05	77	3.8	16.7	3.8	0	0.0	19.1	0.9	45	2.6	18.2	1.4	20	1.0	18.8	1.6	0	0.0	22.3	0.1
LF2VENT-06	>100	7.1	12.0	7.9	0	0.0	18.8	1.3	>100	9.5	9.5	8.5	>100	13.2	12.2	9.3	0	0.0	17.1	3.0
LF2VENT-07	2	0.1	17.2	1.1	0	0.0	19.5	0.6	5	0.3	17.7	0.5	0	0.0	22.0	0.0	75	3.6	3.8	14.2
LF2VENT-08	0	0.0	19.0	1.0	6	0.3	19.1	1.1	3	0.1	16.0	1.6	0	0.0	16.3	2.3	0	0.0	21.7	0.1
LF2VENT-09	0	0.0	18.4	1.8	7	0.4	19.4	0.8	3	0.1	12.7	2.1	10	0.5	11.1	4.1	4	0.2	21.5	0.4
LF2VENT-10	0	0.0	20.8	0.1	0	0.0	19.5	0.7	0	0.0	18.2	0.3	0	0.0	20.3	0.4	0	0.0	22.2	0.1
LF2VENT-11	6	0.3	17.5	1.4	0	0.0	19.5	0.7	12	0.6	14.7	1.5	0	0.0	20.0	0.6	0	0.0	22.7	0.0
LF2VENT-12	15	0.7	18.4	1.4	0	0.0	19.5	0.7	76	4.0	14.9	1.0	0	0.0	21.7	0.1	0	0.0	21.0	1.9
LF2VENT-13	36	1.8	18.4	0.9	0	0.0	19.4	0.6	37	1.8	17.3	0.7	13	0.6	19.1	0.9	0	0.0	21.2	1.0
LF2VENT-14	34	1.7	14.5	2.5	0	0.0	19.5	0.6	76	4.0	14.9	1.0	2	0.1	21.4	0.1	0	0.0	22.1	0.4

Notes:

NI Not Installed

--- Not monitored

Table 3-1
Landfill 2/3 Landfill Gas Monitoring Results

Sample Location	4-Oct-12				1-May-13				15-Oct-13				Barometric Pressure (in.) =				Barometric Pressure (in.) =			
	Barometric Pressure (in.) = 29.43-29.57				Barometric Pressure (in.) = 29.71-29.81				Barometric Pressure (in.) = 29.48-29.65				Barometric Pressure (in.) =				Barometric Pressure (in.) =			
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF2GMP-01	0	0.0	17.3	2.4	0	0.0	18.5	1.6	0	0.0	20.3	0.4								
LF2GMP-02	>100	8.4	0.0	21.7	0	0.0	21.0	0.0	>100	10.2	0.2	19.4								
LF2GMP-03	0	0.0	20.8	0.0	0	0.0	20.8	0.0	0	0.0	20.4	0.9								
LF2GMP-04	0	0.0	20.8	0.0	0	0.0	20.8	0.0	0	0.0	20.9	0.3								
LF2GMP-05	63	3.0	3.3	13.9	0	0.0	20.9	0.0	>100	7.6	0.0	10.3								
LF2GMP-06	0	0.0	20.6	0.5	0	0.0	20.7	0.1	0	0.0	8.0	0.9								
LF2GMP-07	0	0.0	19.0	2.3	0	0.0	20.7	0.3	0	0.0	18.9	2.5								
LF2GMP-08	0	0.0	20.6	0.5	0	0.0	20.2	0.6	0	0.0	20.7	0.7								
LF2GMP-09	0	0.0	20.6	0.3	0	0.0	20.7	0.3	0	0.0	21.0	0.4								
LF2VENT-01	0	0.0	20.9	0.0	4	0.2	20.7	0.1	2	0.2	20.8	0.4								
LF2VENT-02	0	0.0	21.0	0.0	0	0.0	20.9	0.0	1	0.1	21.5	0.0								
LF2VENT-03	0	0.0	21.0	0.0	0	0.0	20.9	0.0	0	0.0	21.3	0.0								
LF2VENT-04	4	0.2	18.7	1.1	2	0.1	20.8	0.0	35	1.8	19.8	0.8								
LF2VENT-05	12	0.6	20.3	0.7	3	0.1	20.8	0.0	15	0.8	20.3	0.7								
LF2VENT-06	92	4.6	10.3	10.3	10	0.4	19.4	0.4	>100	15.2	10.9	10.3								
LF2VENT-07	0	0.0	21.0	0.0	2	0.1	20.8	0.0	0	0.0	21.5	0.0								
LF2VENT-08	0	0.0	21.0	0.0	2	0.1	20.4	0.1	0	0.0	21.1	0.1								
LF2VENT-09	0	0.0	21.0	0.0	0	0.0	19.3	0.4	0	0.0	18.8	1.4								
LF2VENT-10	0	0.0	21.0	0.0	0	0.0	20.6	0.0	0	0.0	21.2	0.2								
LF2VENT-11	0	0.0	21.0	0.0	0	0.0	20.7	0.0	0	0.0	19.6	0.7								
LF2VENT-12	2	0.1	20.0	0.2	0	0.0	20.7	0.0	5	0.3	18.8	1.4								
LF2VENT-13	0	0.0	21.0	0.0	0	0.0	20.9	0.0	5	0.3	20.4	0.3								
LF2VENT-14	0	0.0	20.9	0.0	0	0.0	20.8	0.0	86	4.3	15.7	1.8								

Notes:

NI Not Installed

--- Not monitored

Table 3-2
Groundwater and Surface Water Sampling Results

Location of Well			LF2MW2-1											
			12/4/2003	3/26/2004	6/25/2004	9/15/2004	12/13/2004	3/31/2005	6/21/2005	9/8/2005	12/19/2005	3/10/2006	9/13/2006	4/2/2007
Sample ID No.	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF2M2137AA	LF2M2137BA	LF2M2137CA	LF2M2137DA	LF2M2137EA	LF2M2137FA	LF2M2137GA	LF2M2137HA	LF2M2137IA	LF2M2137JA	LF2M2137KA	LF2M2137LA
Depth to Water (ft)			15.90	15.81	16.13	16.65	15.83	15.62	16.72	18.35	16.59	15.80	16.86	14.73
VOCs (µg/L)														
1,1-dichloroethane	5*	1	0.40 F	0.43 F	0.42 F	0.41 F	0.42 F	0.41 F	0.45 F	0.34 F	0.38 F	0.42 F	NA	NA
1,2-dichloroethane	0.6	1	0.30 F	0.32 F	0.3 F	0.3 F	0.27 F	0.26 F	0.27 F	U	U	U	NA	NA
acetone	50	10	U	U	1.9 F	3.1 F	U	U	U	U	U	U	NA	NA
carbon disulfide	1,000	0.5	U	U	U	U	U	U	0.3 F	U	U	U	NA	NA
chloroethane	5*	1	1.2	1.2	1.1	1.3	1.3	1.2	1.4	1	1	1.1	NA	NA
cis-1,2-dichloroethene	5*	1	U	U	U	0.22 F	0.21 F	U	0.22 F	U	U	U	NA	NA
dichlorodifluoromethane	5*	1	3.3	4	2.8	3.1	3.6	3.8	3	U	1	2.5	NA	NA
methylene chloride	5*	1	U	U	U	U	U	U	0.26 F	U	U	U	NA	NA
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	NA	NA
vinyl chloride	2	1	0.77 F	0.96 F	0.82 F	1	0.98 F	0.94 F	1	0.77 F	U	0.85 F	NA	NA
Metals (µg/L) [Dissolved / Total]¹														
aluminum	2,000	200	U	U	U	U	U	U	U	U	U	U	62 F	U
antimony	3	50	U	U	U	U	U	U	U	U	U	U	U	U
arsenic	25	30	28.6 F	18 F	46.7	21.9 F	27.4 F	25.1 F	49.2	19.8 F	18.3 F	26.4 F	59.7 F	66
barium	1,000	50	77.5	76.6	92.3	72.9	69.4	75.4	70.4	61.9	55	72.9	68.8	67.8
beryllium	3	4	U	U	U	U	U	U	U	U	U	U	U	U
boron, Total	1,000	10	43.4	NA	NA	NA	NA	48.3	NA	NA	NA	43.3	NA	NA
cadmium	5	5	U	U	U	U	U	U	U	U	U	U	U	U
calcium	--	1,100	71,900	71,300	75,100	66,700	62,600	73,600	62,500	58,600	51,800	63,000	54,300	55,800
chromium	50	10	U	1.4 F	U	U	U	U	U	U	U	U	2.8 F	2.72 F
cobalt	--	60	8.5 F	9.9 F	10.6 F	8.1 F	7.7 F	8.8 F	7.7 F	6.3 F	5.8 F	8.1 F	U	U
copper	200	10	U	U	3.1 F	U	U	U	U	U	U	U	U	U
iron	300	200	21,900	20,000	31,700	19,800	18,000	20,900	26,600	14,800	14,000	18,400	23,900	26,800
lead	25	25	5.1 F	U	U	U	U	U	U	U	U	U	U	U
magnesium	35,000	1,000	15,900	15,600	16,500	14,500	13,500	15,300	13,200	12,000	10,800	13,800	11,900	12,200
manganese	300	10	9,010	9,250	10,200	8,680	7,960	8,490	7,590	6,850	6,160	7,670	6,660	7,020
molybdenum	--	15	U	U	U	U	U	U	U	U	U	U	U	U
nickel	100	20	2.4 F	U	2.8 F	U	2.3 F	3.2 F	3 F	2.5 F	3.2 F	3.6 F	U	U
potassium	--	1,000	901 F	894 F	958 F	899 F	876 F	923 F	863 F	785 F	803 F	899 F	975 F	974 F
selenium	10	30	U	U	U	U	U	U	U	U	U	9,620	U	U
silver	50	10	U	U	U	U	U	0.9 F	U	U	U	U	U	U
sodium	20,000	1,000	8,770	8,660	9,490	8,680	8,400	9,020	7,870	7,990	7,840	U	7,430	7,770
thallium	0.5	80	U	U	U	U	U	U	U	U	U	U	U	U
vanadium	--	10	U	U	U	U	U	U	U	U	U	U	U	U
zinc	2,000	20	3.1 F	U	U	U	U	3 F	3.3 F	2.9 F	5.3 F	3 F	40.4 B	48.1 B
mercury	0.7	1	U	NA	NA	NA	NA	U	NA	NA	NA	U	NA	NA
Leachate Indicators (mg/L)														
alkalinity, Total	--	10	262	265	214	236	241	266	250	219	198	226	210	220
ammonia	2	0.2	0.18	0.13	0.17 B	0.18	0.22	0.25	0.11	0.24	0.18 B	0.23	0.71	0.34
BOD5	--	2.4	4.4	3.5	3.5	U	U	2.3	U	U	U	U	3	U
bromide	2	0.5	U	0.31 F	0.22 F	0.22 F	U	0.31 F	0.19 F	0.2 F	U	U	0.091 F	0.12 F
COD	--	5	U	11.1	U	U	U	U	8 F	7.6 F	4.4 F	U	14	26 B
chloride	250	1	16.8	18	18	17.3	15.8	15.7	14.9	13.3	11.6	11.7	12	12
color	15	5	200	NA	NA	NA	NA	160 J	NA	NA	NA	50	NA	NA
cyanide, Total	200	0.02	U	NA	NA	NA	NA	U	NA	NA	NA	U	NA	NA
fluoride	1.5	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
hardness, Total	--	1	284	276	236	255	204	272	272	320	200	173	680	240
nitrate	10	1	U	U	U	U	U	0.03 F	U	U	U	0.032 F	0.021 F	U
TKN	1	1	U	0.38	0.46	U	1.2 B	0.36 B	0.82	0.93	0.34 B	0.35	0.69	0.34
sulfate	250	1	18.9	18.8	18.5	17.5	14.4	15.9	14.1	14.6	14.6	13.7	9.3	14
TDS	500	10	351	348	347	277	315	312	254	230	246	220	220	290
TOC	--	1	1.5	1.5	U	1.9	1.7	1.5	1.7	1.4 B	0.58 F	0.81 F	1.3	0.85 F
phenolics, Total	--	0.005	0.0360	U	U	U	U	U	0.0050 F	U	U	U	NA	NA

For notes, please refer to the end of the tables section.

Table 3-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF2MW2-1																	
Date of Collection			9/25/2007		3/31/2008		9/17/2008		4/8/2009		3/30/2010		6/13/2011		6/5/2013					
Sample ID No.			LF2M2137MA		LF2M2137NA		LF2M2137OA		LF2M2137PA		LF2M2137QA		LF2M2137RA		LF2M2137SA					
Depth to Water (ft)			18.34		14.88		17.70		15.13		15.98		15.20		16.30					
VOCs (µg/L)																				
1,1-dichloroethane	5*	1	NA		NA		NA		NA		NA		NA							
1,2-dichloroethane	0.6	1	NA		NA		NA		NA		NA		NA							
acetone	50	10	NA		NA		NA		NA		NA		NA							
carbon disulfide	1,000	0.5	NA		NA		NA		NA		NA		NA							
chloroethane	5*	1	NA		NA		NA		NA		NA		NA							
cis-1,2-dichloroethene	5*	1	NA		NA		NA		NA		NA		NA							
dichlorodifluoromethane	5*	1	NA		NA		NA		NA		NA		NA							
methylene chloride	5*	1	NA		NA		NA		NA		NA		NA							
trichlorofluoromethane	5*	1	NA		NA		NA		NA		NA		NA							
vinyl chloride	2	1	NA		NA		NA		NA		NA		NA							
Metals (µg/L) [Dissolved / Total] ¹																				
aluminum	2,000	200	U	U	93 F	960	50 F	U	U	NA	NA									
antimony	3	50	U	U	1.8 F	1.8 F	U	U	U	NA	NA									
arsenic	25	30	21 F	22 F	9.6 F	13 F	15 F	8.5 F	17 F	NA	NA									
barium	1,000	50	67	64	67	68	68	63	54	NA	NA									
beryllium	3	4	U	U	U	U	U	U	U	NA	NA									
boron, Total	1,000	10	NA	NA	47 B	140	NA	46	40	NA	NA									
cadmium	5	5	U	U	U	U	U	U	U	NA	NA									
calcium	--	1,100	64,000	61,000	68,000	68,000	63,000	67,000	57,000	NA	NA									
chromium	50	10	3.1 F	3.3 F	3.4 F	3.6 F	3.8 F	3.5 F	U	NA	NA									
cobalt	--	60	U	U	19 F	20 F	U	6.6 F	U	NA	NA									
copper	200	10	U	U	U	U	U	U	U	NA	NA									
iron	300	200	15,000	15,000	8,900	9,400	19,000	6,800	9,100	NA	NA									
lead	25	25	U	U	U	U	U	U	U	NA	NA									
magnesium	35,000	1,000	13,000	13,000	14,000	14,000	13,000	14,000	11,000	NA	NA									
manganese	300	10	7,300	7,200	8,000	7,800	7,600	8,200	6,900	NA	NA									
molybdenum	--	15	3.2 F	3.2 F	U	U	U	U	U	NA	NA									
nickel	100	20	1.8 F	2.0 F	18 F	19 F	4.2 F	6.8 F	U	NA	NA									
potassium	--	1,000	930	880 F	1,100	1,000	1,000	1,200	1,200	NA	NA									
selenium	10	30	4.1 F	U	U	U	U	U	U	NA	NA									
silver	50	10	U	U	U	U	U	U	U	NA	NA									
sodium	20,000	1,000	7,800	7,400	7,700	7,600	6,800 B	8,400	7,300	NA	NA									
thallium	0.5	80	U	U	U	U	U	U	U	NA	NA									
vanadium	--	10	U	U	U	U	U	U	U	NA	NA									
zinc	2,000	20	56 B	47 B	23 B	23 B	17 F	89	5.9 F	NA	NA									
mercury	0.7	1	NA	NA	NA	NA	NA	NA	NA	NA	NA									
Leachate Indicators (mg/L)																				
alkalinity, Total	--	10	220		240		210		150		190		190		170					
ammonia	2	0.2	0.36		0.20		0.45		0.18		0.38		0.30		0.33					
BOD5	--	2.4	U		U		2.5		U		U		U		U					
bromide	2	0.5	0.074 F		0.083 F		0.11		0.12 F		0.092 F		0.11 F		0.17 J					
COD	--	5	13		17		13		20 B		7.0 F		U		13 J					
chloride	250	1	12		12		13		14		13		12		12					
color	15	5	NA		60		NA		20		U		25		25					
cyanide, Total	200	0.02	NA		NA		NA		NA		NA		NA		U					
fluoride	1.5	1	NA		NA		NA		NA		NA		U		0.075 J					
hardness, Total	--	1	200		250		250		240		190		500		190					
nitrate	10	1	U		0.042 F		U		0.21		0.016 F		U		0.19 J					
TKN	1	1	0.31		0.24 B		0.55 B		0.24		0.56 B		0.51 F		0.58 J					
sulfate	250	1	13		19		15		21		14		14		14					
TDS	500	10	310		280		250		260		240		250		220					
TOC	--	1	1.5 B		0.86 F		0.77 F		0.83 F		1.3		0.86 F		0.82 J					
phenolics, Total	--	0.005	NA		NA		NA		NA		NA		NA		U					

For notes, please refer to the end of the tables section.

Table 3-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF2MW-4													
Date of Collection			12/4/2003	3/26/2004	6/25/2004	9/15/2004	12/14/2004	3/31/2005	6/21/2005	9/8/2005	12/19/2005	3/14/2006	9/13/2006	4/2/2007		
Sample ID No.			LF2M0437AA	LF2M0437BA	LF2M0437CA	LF2M0437DA	LF2M0437EA	LF2M0437FA	LF2M0437GA	LF2M0437HA	LF2M0437IA	LF2M0437JA	LF2M0437KA	LF2M0437LA		
Depth to Water (ft)			29.79	29.21	29.92	30.25	29.81	29.34	30.42	32.51	30.68	29.19	30.70	27.25		
VOCs (µg/L)																
1,1-dichloroethane	5*	1	U	0.24 F	U	U	U	U	0.24 F	U	U	U	NA	NA		
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	NA	NA		
acetone	50	10	U	U	U	1.5 F	U	U	U	U	U	U	NA	NA		
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U	U	U	NA	NA		
chloroethane	5*	1	U	0.41 F	0.29 F	U	U	U	0.29 F	U	U	U	NA	NA		
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	NA	NA		
dichlorodifluoromethane	5*	1	3.5	1.7	1.5	1.8	2.7	2.6	1.5	U	2.3	1.9	NA	NA		
methylene chloride	5*	1	U	U	U	U	U	U	0.23 F	U	U	U	NA	NA		
trichlorofluoromethane	5*	1	U	0.28 F	U	0.26 F	U	U	U	U	U	U	NA	NA		
vinyl chloride	2	1	U	U	U	U	U	U	U	U	U	U	NA	NA		
Metals (µg/L) [Dissolved / Total] ¹																
aluminum	2,000	200	40.3 F	U	U	U	U	U	U	39.4 F	U	U	56.4 F	U	U	U
antimony	3	50	U	U	U	U	U	U	U	U	4.7 F	U	U	U	U	U
arsenic	25	30	U	U	U	U	U	U	U	U	U	U	U	U	U	U
barium	1,000	50	9.6 F	35 F	37.3 F	27.3 F	8.2 F	17.9 F	17.3 F	11.2 F	7 F	31.2 F	14 F	13.8 F	30 F	31 F
beryllium	3	4	U	U	U	U	U	U	U	U	U	U	U	U	U	U
boron, Total	1,000	10	9.9 F	NA	NA	NA	NA	9.9 F	NA	NA	NA	11.9	NA	NA	NA	NA
cadmium	5	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U
calcium	--	1,100	54,100	151,000	160,000	127,000	47,700	88,900	84,400	60,800	42,600	145,000	72,300	74,800	140,000	140,000
chromium	50	10	U	U	U	U	U	U	U	U	U	1.3 F	U	U	2.0 F	1.7 F
cobalt	--	60	U	U	U	U	U	U	U	U	U	U	U	U	U	U
copper	200	10	U	U	U	U	U	2.6 F	U	U	U	U	U	U	U	U
iron	300	200	44.9 F	55.9 F	20.9 F	U	U	U	U	68.5 F	U	U	10.5 F	27.6 F	9.5 F	U
lead	25	25	U	U	U	U	U	U	U	U	U	U	U	U	U	U
magnesium	35,000	1,000	10,800	19,300	19,600	17,700	9,320	11,300	12,500	11,000	9,920	15,600	10,300	10,600	14,000	15,000
manganese	300	10	54.1	122	115	129	23.9	55.1	66.3	10	5.1 F	2 F	27.2	26.1	14.0	13.0
molybdenum	--	15	U	U	U	U	U	1.6 F	U	U	U	U	U	U	U	U
nickel	100	20	U	U	U	U	U	U	U	U	U	U	U	U	1.2 F	U
potassium	--	1,000	930 F	1,940	1,820	1,540	771 F	1,210	1,150	928 F	651 F	1,480	926 F	921	1,400	1,400
selenium	10	30	U	U	U	U	U	U	U	U	U	U	U	U	U	U
silver	50	10	U	U	U	U	U	U	U	U	U	U	U	U	U	U
sodium	20,000	1,000	3,910	2,810	2,950	3,190	3,680	3,440	3,450	3,760	4,000	3,580	3,410	3,550	3,200	3,300
thallium	0.5	80	U	U	U	U	U	U	U	U	U	U	U	U	U	U
vanadium	--	10	U	U	U	U	U	U	U	U	U	U	U	U	U	U
zinc	2,000	20	U	U	U	U	U	U	U	3.9 F	4 F	U	38.5 B	29.2 B	U	U
mercury	0.7	1	U	NA	NA	NA	NA	U	NA	NA	NA	U	NA	NA	NA	NA
Leachate Indicators (mg/L)																
alkalinity, Total	--	10	170	459	383	364	154	271	274	186	138	405	210	370		
ammonia	2	0.2	U	U	U	U	0.046 F	0.027 F	U	0.049 F	U	U	U	U		
BOD5	--	2.4	U	U	U	U	U	U	U	U	U	U	U	U		
bromide	2	0.5	U	U	U	U	U	U	U	U	U	U	0.02 F	U		
COD	--	5	U	U	U	U	U	U	U	U	U	U	U	6.1 F		
chloride	250	1	5.8	3.8	3.8	5.8	5.6	6.4	6.7	7.8	7	5.6	8.1	5.5		
color	15	5	0	NA	NA	NA	NA	UJ	NA	NA	NA	3	NA	NA		
cyanide, Total	200	0.02	U	NA	NA	NA	NA	U	NA	NA	NA	U	NA	NA		
fluoride	1.5	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
hardness, Total	--	1	310	468	444	400	180	280	292	239	200	305	240	600		
nitrate	10	1	U	0.58 F	1.8 B	0.87 F	1.1	0.77 F	0.94 F	0.83 F	1.3	0.66 F	0.97 F	0.94		
TKN	1	1	1.2	0.15 F	0.23	0.077 F	U	0.06 F	0.64	0.67	U	0.36	U	U		
sulfate	250	1	12.9	15.6	16.1	15.4	U	15.6	15.2	15	14.4	15	14	16		
TDS	500	10	218	511	479	381	196	293	332	218	167	475	270	420		
TOC	--	1	1.3	1.5	U	1.4	U	0.68 F	0.94 F	0.64 F	U	1.3	0.54 F	0.42 F		
phenolics, Total	--	0.005	U	U	U	U	U	U	0.0050 F	U	U	U	NA	NA		

For notes, please refer to the end of the tables section.

Table 3-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well			LF2MW-4											
Date of Collection	NYSDEC Class GA Groundwater Standards	Reporting Limit												
			9/25/2007	3/31/2008	9/17/2008	4/8/2009	3/30/2010	6/9/2011	6/5/2013					
Sample ID No.			LF2M0437MA	LF2M0437NA	LF2M0437OA	LF2M0437PA	LF2M0437QA	LF2M0437RA	LF2M0437SA					
Depth to Water (ft)			32.50	27.65	31.57	28.01	29.69	28.06	30.03					
VOCs (µg/L)														
1,1-dichloroethane	5*	1	NA	NA	NA	NA	NA	NA	NA					
1,2-dichloroethane	0.6	1	NA	NA	NA	NA	NA	NA	NA					
acetone	50	10	NA	NA	NA	NA	NA	NA	NA					
carbon disulfide	1,000	0.5	NA	NA	NA	NA	NA	NA	NA					
chloroethane	5*	1	NA	NA	NA	NA	NA	NA	NA					
cis-1,2-dichloroethene	5*	1	NA	NA	NA	NA	NA	NA	NA					
dichlorodifluoromethane	5*	1	NA	NA	NA	NA	NA	NA	NA					
methylene chloride	5*	1	NA	NA	NA	NA	NA	NA	NA					
trichlorofluoromethane	5*	1	NA	NA	NA	NA	NA	NA	NA					
vinyl chloride	2	1	NA	NA	NA	NA	NA	NA	NA					
Metals (µg/L) [Dissolved / Total] ¹														
aluminum	2,000	200	U	390.0	U	65 F	44 F	U	U	NA	NA			
antimony	3	50	U	U	U	2.0 F	U	U	U	NA	NA			
arsenic	25	30	U	U	U	U	U	U	U	NA	NA			
barium	1,000	50	11 F	13 F	33 F	33 F	12 F	26 F	6.7 F	NA	NA			
beryllium	3	4	U	U	U	U	U	U	U	NA	NA			
boron, Total	1,000	10	NA	NA	11 B	12 B	NA	15	11	NA	NA			
cadmium	5	5	U	U	U	U	U	U	U	NA	NA			
calcium	--	1,100	69,000	69,000	160,000	160,000	75,000	130,000	46,000	NA	NA			
chromium	50	10	U	2.2 F	U	1.7 F	1.5 F	U	U	NA	NA			
cobalt	--	60	U	U	U	U	U	U	U	NA	NA			
copper	200	10	U	U	U	U	U	U	U	NA	NA			
iron	300	200	U	480	U	39 F	13 F	15 F	20 F	NA	NA			
lead	25	25	U	U	U	U	U	U	U	NA	NA			
magnesium	35,000	1,000	11,000	11,000	16,000	16,000	11,000	15,000	11,000	NA	NA			
manganese	300	10	U	42.0	1.6 F	12.0	7.0 F	150	3.7 F	NA	NA			
molybdenum	--	15	U	U	U	U	U	U	U	NA	NA			
nickel	100	20	U	1.8 F	U	U	U	U	U	NA	NA			
potassium	--	1,000	980 F	1,100	1,400	1,400	950 F	1,200	620 F	NA	NA			
selenium	10	30	U	U	U	U	U	U	U	NA	NA			
silver	50	10	U	U	U	U	U	U	U	NA	NA			
sodium	20,000	1,000	4,200	4,100	3,600	3500 B	4,900 B	4,700	4,800	NA	NA			
thallium	0.5	80	U	U	U	U	U	U	U	NA	NA			
vanadium	--	10	U	U	U	U	U	U	U	NA	NA			
zinc	2,000	20	16 F	52 B	11 F	10 F	21 B	50 B	5.8 F	NA	NA			
mercury	0.7	1	NA	NA	NA	NA	NA	NA	NA	NA	NA			
Leachate Indicators (mg/L)														
alkalinity, Total	--	10	190	460	190	330	120	400	230					
ammonia	2	0.2	U	U	0.016 F	0.035 F	U	0.11	0.055 J					
BOD5	--	2.4	U	U	U	U	U	U	U					
bromide	2	0.5	0.029 F	U	0.038 F	0.035 F	0.031 F	U	U					
COD	--	5	11	6.3 F	U	6.7 F	U	U	12 J					
chloride	250	1	9.2	5.1	10	8.3	11	5.7	8.8					
color	15	5	NA	U	NA	U	U	U	15					
cyanide, Total	200	0.02	NA	NA	NA	NA	NA	NA	U					
fluoride	1.5	1	NA	NA	NA	NA	NA	U	0.075 J					
hardness, Total	--	1	180	470	240	380	160	380	250					
nitrate	10	1	2.3	1.3	3.5	2.0	3.7	0.98	0.63					
TKN	1	1	0.074 F	U	0.18 F	U	0.21 B	0.47 F	0.48 J					
sulfate	250	1	13	15	14	15	16	15	12					
TDS	500	10	270	480	260	390	190	390	280					
TOC	--	1	0.71 F	0.52 F	U	0.59	U	1.5	1.1					
phenolics, Total	--	0.005	NA	NA	NA	NA	NA	NA	U					

For notes, please refer to the end of the tables section.

Table 3-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF2MW-12													
Date of Collection			12/4/2003	3/26/2004	6/24/2004	9/15/2004	12/13/2004	3/31/2005	6/21/2005	9/8/2005	12/19/2005	3/14/2006	9/13/2006	4/3/2007		
Sample ID No.			LF2M1219AA	LF2M1219BA	LF2M1219CA	LF2M1219DA	LF2M1219EA	LF2M1219FA	LF2M1219GA	LF2M1219HA	LF2M1219IA	LF2M1219JA	LF2M1219KA	LF2M1219LA		
Depth to Water (ft)			9.62	8.99	10.16	10.31	9.43	9.09	10.77	12.74	10.50	8.94	11.12	8.07		
VOCs (µg/L)																
1,1-dichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	NA	NA		
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	NA	NA		
acetone	50	10	U	U	1.6 F	U	U	U	U	U	U	U	NA	NA		
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U	U	U	NA	NA		
chloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	NA	NA		
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	NA	NA		
dichlorodifluoromethane	5*	1	0.52 F	U	0.28 F	0.35 F	0.32 F	U	U	U	U	U	NA	NA		
methylene chloride	5*	1	U	U	U	U	U	U	U	U	U	U	NA	NA		
trichlorofluoromethane	5*	1	0.21 F	U	U	U	U	U	U	U	U	U	NA	NA		
vinyl chloride	2	1	U	U	U	U	U	U	U	U	U	U	NA	NA		
Metals (µg/L) [Dissolved / Total] ¹																
aluminum	2,000	200	U	U	U	U	U	U	U	U	U	U	41.6 F	U	U	U
antimony	3	50	U	U	U	U	U	U	U	U	U	U	U	U	U	U
arsenic	25	30	U	U	U	U	U	U	U	U	U	U	U	U	U	U
barium	1,000	50	46.5 F	47.1 F	50.2	49.5 F	47.7 F	45.2 F	37.3	42.1 F	37.9 F	38.3 F	42.6 F	41.3 F	39 F	40 F
beryllium	3	4	U	U	U	U	U	U	U	U	U	U	U	U	U	U
boron, Total	1,000	10	80.7	NA	NA	NA	NA	68.7	NA	NA	NA	55.9	NA	NA	NA	NA
cadmium	5	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U
calcium	--	1,100	162,000	170,000	178,000	168,000	158,000	156,000	131,000	145,000	136,000	147,000	153,000	157,000	150,000	150,000
chromium	50	10	U	U	U	U	3 F	U	U	U	0.9 F	7.2 F	U	U	3.5 F	U
cobalt	--	60	U	U	U	U	U	U	U	U	U	U	U	U	U	U
copper	200	10	U	U	U	U	U	2.4 F	2.2 F	U	U	1.6 F	U	U	U	U
iron	300	200	U	458	177 F	352	345	1,400	238	58 F	198 F	82.1 F	U	59.6 F	U	56 F
lead	25	25	U	U	U	U	U	U	U	U	U	U	U	U	U	U
magnesium	35,000	1,000	17,900	18,600	19,400	17,200	15,900	14,800	12,600	12,200	11,000	12,100	12,000	12,300	13,000	13,000
manganese	300	10	94.2	263	293	271	339	364	422	448	279	309	311	338	600	600
molybdenum	--	15	U	U	U	U	U	U	U	U	U	U	U	U	U	U
nickel	100	20	U	U	U	U	3 F	U	1.8 F	U	U	U	U	U	U	U
potassium	--	1,000	8,340	8,060	8,390	8,940	8,700	8,060	7,510	8,710 B	8,360	7,340	8,450	8,260	7,800	7,900
selenium	10	30	U	U	U	U	U	U	U	U	U	U	U	U	U	U
silver	50	10	U	U	U	U	U	U	U	U	U	U	U	U	U	U
sodium	20,000	1,000	2,640	2,950	2,960	2,600	2,220	2,350	2,130	2,090	1,410	2,120	2,960	2,720	2,300	2,400
thallium	0.5	80	U	U	U	U	U	U	U	U	U	U	U	U	U	U
vanadium	--	10	U	U	U	U	U	U	U	U	U	U	U	U	U	U
zinc	2,000	20	U	U	U	U	U	U	U	U	4.8 F	U	15.5 F	16.9 F	U	U
mercury	0.7	1	U	NA	NA	NA	NA	U	NA	NA	NA	U	NA	NA	NA	NA
Leachate Indicators (mg/L)																
alkalinity, Total	--	10	418	452	393	440	420	424	409	397	372	372	390			370
ammonia	2	0.2	0.065	U	U	U	0.049 F	U	0.024 F	0.074	U	U	U	U		0.031 F
BOD5	--	2.4	U	U	U	U	U	U	U	U	U	U	U	U		U
bromide	2	0.5	U	U	U	U	U	U	U	U	U	U	U	U		U
COD	--	5	U	12.4	6 F	U	U	U	4.6 F	15.2	27.6 B	U	14			15
chloride	250	1	2.5	2.7	2.5	2.6	2.3	2	1.6	1.9	1.5	1.6	1.2			0.95 F
color	15	5	0	NA	NA	NA	NA	12 J	NA	NA	NA	U	NA			NA
cyanide, Total	200	0.02	U	NA	NA	NA	NA	U	NA	NA	NA	U	NA			NA
fluoride	1.5	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			NA
hardness, Total	--	1	750	496	516	505	468	448	424	468	400	298	400			410
nitrate	10	1	10.8	7.0 J	U	4.8 F	5.2	3.8	2.6	2.1	1.3	2.8	2.4			1.0
TKN	1	1	0.32	0.66 B	0.65 B	0.52	0.44 B	0.58 B	U	0.87	1.1 B	0.64	0.12 F			0.15 F
sulfate	250	1	65.1	52.4	45.9	46.9	43.6	42.2	31.9	35	32.3	29.4	54			37
TDS	500	10	590	610	554	515	485	481	470	448	409	483	540			46
TOC	--	1	4	4.4	3.2	4.9	4.4	4	4.7	4.2 B	2.9	4	4.1			4.4
phenolics, Total	--	0.005	U	U	0.009 F	U	U	U	0.0050 F	U	U	0.007 F	NA			NA

For notes, please refer to the end of the tables section.

Table 3-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well			LF2MW-12																		
Date of Collection	NYSDEC Class GA Groundwater Standards	Reporting Limit	9/25/2007		3/31/2008		9/17/2008		4/7/2009		3/29/2010		6/13/2011		6/5/2013						
Sample ID No.			LF2M1219MA		LF2M1219NA		LF2M1219OA		LF2M1219PA		LF2M1219QA		LF2M1219RA		LF2M1219SA						
Depth to Water (ft)			13.08		8.2		12.2		8.39		8.98		9.11		10.35						
VOCs (µg/L)																					
1,1-dichloroethane	5*	1	NA		NA		NA		NA		NA		NA		NA						
1,2-dichloroethane	0.6	1	NA		NA		NA		NA		NA		NA		NA						
acetone	50	10	NA		NA		NA		NA		NA		NA		NA						
carbon disulfide	1,000	0.5	NA		NA		NA		NA		NA		NA		NA						
chloroethane	5*	1	NA		NA		NA		NA		NA		NA		NA						
cis-1,2-dichloroethene	5*	1	NA		NA		NA		NA		NA		NA		NA						
dichlorodifluoromethane	5*	1	NA		NA		NA		NA		NA		NA		NA						
methylene chloride	5*	1	NA		NA		NA		NA		NA		NA		NA						
trichlorofluoromethane	5*	1	NA		NA		NA		NA		NA		NA		NA						
vinyl chloride	2	1	NA		NA		NA		NA		NA		NA		NA						
Metals (µg/L) [Dissolved / Total] ¹																					
aluminum	2,000	200	U	U	120 F	1,300	U	U	U	U	NA	NA									
antimony	3	50	U	U	U	U	U	U	U	U	NA	NA									
arsenic	25	30	U	U	U	U	U	U	U	U	NA	NA									
barium	1,000	50	46 F	46 F	46 F	51	44 F	43 F	51 B	NA	NA	NA									
beryllium	3	4	U	U	U	U	U	U	U	NA	NA	NA									
boron, Total	1,000	10	NA	NA	88	220	NA	63	59 B	NA	NA	NA									
cadmium	5	5	U	U	U	U	U	U	U	NA	NA	NA									
calcium	--	1,100	170,000	170,000	170,000	180,000	160,000	170,000	190,000	NA	NA	NA									
chromium	50	10	U	U	U	1.9 F	U	U	U	NA	NA	NA									
cobalt	--	60	U	U	U	U	U	U	U	NA	NA	NA									
copper	200	10	U	U	U	U	U	U	U	NA	NA	NA									
iron	300	200	U	22 F	U	97 F	27 F	45 F	23 F	NA	NA	NA									
lead	25	25	U	U	U	U	U	U	U	NA	NA	NA									
magnesium	35,000	1,000	13,000	13,000	15,000	15,000	14,000	14,000	15,000 B	NA	NA	NA									
manganese	300	10	870	680	1,100	1,200	1,900	1,500	1,700	NA	NA	NA									
molybdenum	--	15	U	U	U	U	U	U	U	NA	NA	NA									
nickel	100	20	1.7 F	1.4 F	1.3 F	1.3 F	1.6 F	U	U	NA	NA	NA									
potassium	--	1,000	9,200	9,400	8,200	8,200	8,500	7,900	8,700	NA	NA	NA									
selenium	10	30	U	U	U	U	U	U	U	NA	NA	NA									
silver	50	10	U	U	U	U	U	U	U	NA	NA	NA									
sodium	20,000	1,000	2,300	2,400	2,400	2,500	1,900 B	2,100	2,400 B	NA	NA	NA									
thallium	0.5	80	U	U	U	U	U	U	U	NA	NA	NA									
vanadium	--	10	U	U	U	U	U	U	U	NA	NA	NA									
zinc	2,000	20	24 B	23 B	10 F	11 F	14 F	11 F	7.1 FB	NA	NA	NA									
mercury	0.7	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA									
Leachate Indicators (mg/L)																					
alkalinity, Total	--	10	440		490		400	420	520	200	560										
ammonia	2	0.2	0.058		0.030 F		0.088 B	0.089	0.10 B	0.28	0.15										
BOD5	--	2.4	U		U		U	U	U	U	U										
bromide	2	0.5	U		U		0.031 F	0.062 F	0.037 F	0.23 F	0.27 J										
COD	--	5	11		8.5 F		3.7 F	20	9.2 FB	13 F	18 J										
chloride	250	1	1.2		1.8		1.2	1.5	2.3	2.4 F	2.4 J										
color	15	5	NA		U		NA	20	U	U	U										
cyanide, Total	200	0.02	NA		NA		NA	NA	NA	NA	U										
fluoride	1.5	1	NA		NA		NA	NA	NA	U	U										
hardness, Total	--	1	610		500		460	490	530	500	680										
nitrate	10	1	1.6		0.5		0.49 F	0.6	0.43 F	U	U										
TKN	1	1	0.19 F		0.22 B		0.32 B	U	0.52 B	0.65 F	0.58 J										
sulfate	250	1	22		22		35	24	37		38										
TDS	500	10	500		520		460	460	540	580	650										
TOC	--	1	3.9		3.4		3.3	4.0	3.9	4.6	5.2										
phenolics, Total	--	0.005	NA		NA		NA	NA	NA	NA	U										

For notes, please refer to the end of the tables section.

Table 3-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well		NYSDEC Class GA Groundwater Standards	Reporting Limit	LF2MW-13												
Date of Collection	12/4/2003			3/26/2004	6/25/2004	9/15/2004	12/13/2004	3/31/2005	6/21/2005	9/8/2005	12/16/2005	3/14/2006	9/13/2006	4/2/2007		
Sample ID No.	LF2M1312AA			LF2M1312BA	LF2M1312CA	LF2M1312DA	LF2M1312EA	LF2M1312FA	LF2M1312GA	LF2M1312HA	LF2M1312IA	LF2M1312JA	LF2M1312KA	LF2M1312LA		
Depth to Water (ft)	3.12			2.47	4.32	4.46	2.68	2.78	5.15	6.97	4.53	2.46	5.63	2.25		
VOCs (µg/L)																
1,1-dichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	NA	NA		
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	NA	NA		
acetone	50	10	U	U	1.6 F	3.9 F	U	U	U	U	U	U	NA	NA		
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U	U	U	NA	NA		
chloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	NA	NA		
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	NA	NA		
dichlorodifluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	NA	NA		
methylene chloride	5*	1	U	U	U	U	U	U	U	U	U	U	NA	NA		
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	NA	NA		
vinyl chloride	2	1	U	U	U	U	U	U	U	U	U	U	NA	NA		
Metals (µg/L) [Dissolved / Total] ¹																
aluminum	2,000	200	1,140	6,650	60.7 F	42.8 F	103 F	544	NA	60.4 F	83.6 F	468	62.4 F	126 F	46 F	140 F
antimony	3	50	U	U	U	U	U	U	U	U	4.8 F	U	U	U	U	U
arsenic	25	30	U	U	U	U	U	U	U	U	U	U	U	U	U	U
barium	1,000	50	21.2 F	36.9 F	29 F	41.5 F	19.8 F	9.2 F	23.8 F	35.8 F	44.9 F	10.1 F	27.8 F	25.6 F	15 F	15 F
beryllium	3	4	U	0.3 F	U	U	U	U	U	U	U	U	U	U	U	U
boron, Total	1,000	10	35	NA	NA	NA	NA	11.5	NA	NA	NA	10.9	NA	NA	NA	NA
cadmium	5	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U
calcium	--	1,100	54,100	44,600	82,500	96,000	54,300	29,500	83,500	92,600	103,000	33,400	77,800	74,500	75,000	72,000
chromium	50	10	1.8 F	10.9	U	U	U	1.5 F	U	U	1.2 F	1.4 F	U	3.96 F	2.6 F	1.7 F
cobalt	--	60	U	3.1 F	2.1 F	2.8 F	1.5 F	1 F	1.4 F	1.5 F	3.1 F	U	U	U	U	U
copper	200	10	4.9 F	23.1	U	U	U	3.4 F	1.7 F	U	2.1 F	5.6 F	U	2.03 F	U	U
iron	300	200	2,620	10,200	286	191	1,250	1,200 J	494	168 F	485	404	361	775 J	930	1,200
lead	25	25	U	3.9 F	U	U	U	U	U	U	U	U	U	U	U	U
magnesium	35,000	1,000	5,220	7,080	6,070	8,060	4,580	2,450	6,270	7,450	9,460	2,480	6,100	5,820	6,200	6,100
manganese	300	10	2,440	1,030	3,500	5,080	2,700	806	3,410	3,500	5,300	144	3,690	3,240	3,700	3,400
molybdenum	--	15	U	U	U	U	U	1.1 F	U	U	U	U	U	U	U	U
nickel	100	20	3.9 F	9.7 F	7.1 F	7.2 F	3.4 F	2.4 F	3.7 F	3.8 F	8.6 F	U	3.48 F	4.88 F	2.2 F	2.2 F
potassium	--	1,000	3,420	4,700	3,430	4,280	2,500	1,710	2,850	4,040 B	3,700	2,100	3,020	3,040	2,800	2,900
selenium	10	30	U	U	U	U	U	U	U	U	U	U	U	U	U	U
silver	50	10	U	U	U	U	U	U	U	U	U	U	U	U	U	U
sodium	20,000	1,000	1,360	1,120	1,430	3,140	1,350	713 F	1,680	2,900	2,970	1,050	2,130	1,950	1,800	1,900
thallium	0.5	80	U	U	U	U	U	U	U	U	U	U	U	U	U	U
vanadium	--	10	3.4 F	14.9	U	U	1.5 F	1.3 F	U	U	U	3.1 F	1.87 F	3.42 F	0.84 F	1.4 F
zinc	2,000	20	5.8 F	23.7	9.2 F	U	U	U	U	4.7 F	4.4 F	U	1.84 F	18.3 F	U	U
mercury	0.7	1	U	NA	NA	NA	NA	U	NA	NA	NA	U	NA	NA	NA	NA
Leachate Indicators (mg/L)																
alkalinity, Total	--	10	147	105	192	280	149	84.3	264	278	294	96.5	230	210		
ammonia	2	0.2	0.24	0.0094 F	0.15 B	0.44	0.28 J	0.05	0.18	0.82	0.74	U	0.42	0.070		
BOD5	--	2.4	3.7	U	2.5	U	U	U	U	U	U	U	U	2.1		
bromide	2	0.5	U	U	U	U	U	U	U	U	0.57 J	0.48 F	0.023 F	0.065 F		
COD	--	5	12	U	18.5	15.1	12.1	U	U	15.6	U	UM	22	26 B		
chloride	250	1	2.8	1.4	1.9	2.2	1.1	1.1	1.8	2.5	3.2	1.3	1.4	1.7		
color	15	5	60	NA	NA	NA	NA	50 J	NA	NA	NA	30	NA	NA		
cyanide, Total	200	0.02	U	NA	NA	NA	NA	U	NA	NA	NA	U	NA	NA		
fluoride	1.5	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
hardness, Total	--	1	190	176	220	315	188	88	272	272	290	82.1	250	260		
nitrate	10	1	U	U	0.15	U	U	U	U	U	U	0.05 F	0.011 F	U		
TKN	1	1	0.48	0.066 F	0.71	0.76	0.57 B	0.32 B	0.76	1.7	1.4 J	UM	0.64	0.19 F		
sulfate	250	1	11.5	8.8	2.9	25.1	8.4	2 J	9.1	15.5	33	2.4	17	3.1		
TDS	500	10	199	162	251	275	221	110	325	295	365	139	270	200		
TOC	--	1	6.1	3.4	6.2	9.1	7	3.4	6.3	4.7 B	5.3	3	6.8	5.5		
phenolics, Total	--	0.005	U	U	0.0038 F	U	U	U	0.0050 F	U	U	U	NA	NA		

For notes, please refer to the end of the tables section.

Table 3-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF2MW-13																		
Date of Collection			9/25/2007		3/31/2008		9/17/2008		4/7/2009		3/29/2010		6/13/2011		6/5/2013						
Sample ID No.			LF2M1312MA		LF2M1312NA		LF2M1312OA		LF2M1312PA		LF2M1312QA		LF2M1312RA		LF2M1312SA						
Depth to Water (ft)			7.28		2.07		6.55		2.18		3.56		2.78		4.65						
VOCs (µg/L)																					
1,1-dichloroethane	5*	1	NA		NA		NA		NA		NA		NA		NA						
1,2-dichloroethane	0.6	1	NA		NA		NA		NA		NA		NA		NA						
acetone	50	10	NA		NA		NA		NA		NA		NA		NA						
carbon disulfide	1,000	0.5	NA		NA		NA		NA		NA		NA		NA						
chloroethane	5*	1	NA		NA		NA		NA		NA		NA		NA						
cis-1,2-dichloroethene	5*	1	NA		NA		NA		NA		NA		NA		NA						
dichlorodifluoromethane	5*	1	NA		NA		NA		NA		NA		NA		NA						
methylene chloride	5*	1	NA		NA		NA		NA		NA		NA		NA						
trichlorofluoromethane	5*	1	NA		NA		NA		NA		NA		NA		NA						
vinyl chloride	2	1	NA		NA		NA		NA		NA		NA		NA						
Metals (µg/L) [Dissolved / Total]¹																					
aluminum	2,000	200	U	U	300 B	1,200	90 F	88 F		73 F♦	NA	NA									
antimony	3	50	U	U	U	1.6 F♦	U	5.3 F		U	NA	NA									
arsenic	25	30	U	U	U	U	U	U		U	NA	NA									
barium	1,000	50	29 F♦	30 F	11 F	21 F	33 F	11 F		17 FB	NA	NA									
beryllium	3	4	U	U	U	U	U	U		U	NA	NA									
boron, Total	1,000	10	NA	NA	43 B	20 B♦	NA	19♦		23 B♦	NA	NA									
cadmium	5	5	U	U	U	U	U	U		U	NA	NA									
calcium	--	1,100	83,000	88,000	49,000	47,000	89,000	44,000		54,000 B	NA	NA									
chromium	50	10	1.6 F♦	2.1 F	1.4♦	6.2 F	2.2 F	U		U	NA	NA									
cobalt	--	60	U	U	U	U	U	U		U	NA	NA									
copper	200	10	U	U	U	7.1 F	U	4.5 F♦		U	NA	NA									
iron	300	200	920	960	210	2,300	390♦	240♦		250♦	NA	NA									
lead	25	25	U	U	U	U	U	U		U	NA	NA									
magnesium	35,000	1,000	6,700	7,100	3,800	4,100	7,300♦	3,700		4,300 B	NA	NA									
manganese	300	10	4,900	5,400	530♦	910	5,200	400		65 J	NA	NA									
molybdenum	--	15	3.2 F♦	3.5 F♦	U	U	U	U		U	NA	NA									
nickel	100	20	2.3 F♦	3.1 F	1.3 F	5.3 F	3.1 F	U		U	NA	NA									
potassium	--	1,000	4100♦	4,200	2,200	2,600	3,500	2,500		3,600 B♦	NA	NA									
selenium	10	30	2.9 F♦	3.5 F	U	U	U	U		U	NA	NA									
silver	50	10	U	U	U	U	U	U		U	NA	NA									
sodium	20,000	1,000	2,200	2,300	1,600	1800 B	3,800 B	1,100		1,600 B	NA	NA									
thallium	0.5	80	U	U	U	U	U	U		U	NA	NA									
vanadium	--	10	U	0.69 F♦	1.2 F	5.1 F	1.2 F	U		U	NA	NA									
zinc	2,000	20	45 B	79 B♦	13 F♦	22 B♦	13 F♦	16 F♦		6.0 FB	NA	NA									
mercury	0.7	1	NA	NA	NA	NA	NA	NA		NA	NA	NA									
Leachate Indicators (mg/L)																					
alkalinity, Total	--	10	250		140		260		110		150♦		190		240 ♦						
ammonia	2	0.2	0.55♦		0.023 F		0.30♦		0.034 F		0.068 B		0.190		0.87 ♦						
BOD5	--	2.4	U		U		U		U		U		2.2 F♦		U						
bromide	2	0.5	0.050 F♦		U		0.074 F♦		0.012 F		U		U		0.17 J ♦						
COD	--	5	20		20 J		22♦		23 J♦		9.5 FB		29♦		28 ♦						
chloride	250	1	1.9		2.2♦		1.6♦		0.53 F		0.65 F		0.84 F♦		1.6 J						
color	15	5	NA		15		NA		20		U		50		20						
cyanide, Total	200	0.02	NA		NA		NA		NA		NA		NA		U						
fluoride	1.5	1	NA		NA		NA		NA		NA		0.17 F♦		0.069 J						
hardness, Total	--	1	220		140		330♦		140		150		180♦		270 ♦						
nitrate	10	1	U		0.10 ♦		U		0.036 F♦		0.015 F		U		U						
TKN	1	1	0.85 J		0.35 B		0.76 J♦		0.15 F		0.45 B		0.70 F♦		1.1 ♦						
sulfate	250	1	5.7		8.8 J♦		12		2.9		8.5		0.43 F		25						
TDS	500	10	300♦		150		310		100		230♦		220		300						
TOC	--	1	5.3♦		4.3		6.4		4.5♦		3.3		11		8.1 ♦						
phenolics, Total	--	0.005	NA		NA		NA		NA		NA		NA		U						

For notes, please refer to the end of the tables section.

Table 3-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF2MW-14											
Date of Collection			12/4/2003	3/31/2005	3/14/2006	4/2/2007	3/31/2008	4/8/2009	3/29/2010	6/9/2011	6/5/2013			
Sample ID No.			LF2M1416AA	LF2M1416FA	LF2M1416JA	LF2M1416LA	LF2M1416NA	LF2M1416PA	LF2M1416QA	LF2M1416RA	LF2M1416SA			
Depth to Water (ft)			7.89	7.63	7.67	6.70	7.31	7.36	8.08	8.25	8.70			
VOCs (µg/L)														
1,1-dichloroethane	5*	1	U	U	U	NA	NA	NA	NA	NA	NA			
1,2-dichloroethane	0.6	1	U	U	U	NA	NA	NA	NA	NA	NA			
acetone	50	10	1.9 F	U	U	NA	NA	NA	NA	NA	NA			
carbon disulfide	1,000	0.5	U	U	U	NA	NA	NA	NA	NA	NA			
chloroethane	5*	1	U	U	U	NA	NA	NA	NA	NA	NA			
cis-1,2-dichloroethene	5*	1	U	U	U	NA	NA	NA	NA	NA	NA			
dichlorodifluoromethane	5*	1	U	U	U	NA	NA	NA	NA	NA	NA			
methylene chloride	5*	1	U	U	U	NA	NA	NA	NA	NA	NA			
trichlorofluoromethane	5*	1	U	U	U	NA	NA	NA	NA	NA	NA			
vinyl chloride	2	1	U	U	U	NA	NA	NA	NA	NA	NA			
Metals (µg/L) [Dissolved / Total]¹														
aluminum	2,000	200	978	846	836	680	760	750 B	1300	800	790	NA	NA	
antimony	3	50	U	U	U	U	U	U	U	U	U	NA	NA	
arsenic	25	30	U	U	U	U	U	U	U	U	U	NA	NA	
barium	1,000	50	67.8	53.6	53.1	52	53	52	54	52	49 FB	NA	NA	
beryllium	3	4	0.80 F	0.6 F	0.5 F	0.61 F	0.60 F	0.55 F	0.55 F	0.59 F	0.50 F	NA	NA	
boron, Total	1,000	10	6.2 F	5.3 F	6.3 F	NA	NA	5.9 F	44 B	6.7 F	8.9 FB	NA	NA	
cadmium	5	5	U	U	U	U	U	U	U	U	U	NA	NA	
calcium	--	1,100	1,600	1,820	1,460	1,500	1,500	1,400	2,200	1,600	1,800 B	NA	NA	
chromium	50	10	U	1 F	0.8 F	U	U	U	U	U	U	NA	NA	
cobalt	--	60	2.1 F	3.2 F	3.3 F	U	U	U	U	U	U	NA	NA	
copper	200	10	4.7 F	5.4 F	5.5 F	3.8 F	4.3 F	3.5 F	4.4 F	4.5 F	4.4 F	NA	NA	
iron	300	200	35 F	107 F	144 F	8.4 F	46 F	U	140 F	64 F	61 F	NA	NA	
lead	25	25	U	U	U	U	U	U	U	U	U	NA	NA	
magnesium	35,000	1,000	766 F	751 F	648 F	680 F	680	640 F	720 F	780 F	820 FB	NA	NA	
manganese	300	10	135	123	123	120	120	110	110	120	120	NA	NA	
molybdenum	--	15	U	0.8 F	U	U	U	U	U	U	U	NA	NA	
nickel	100	20	5 F	5 F	5.8 F	5.9 F	6.0 F	5.7 F	6.2 F	5.7 F	5.1 F	NA	NA	
potassium	--	1,000	252 F	227 F	220 F	U	U	130 F	180 F	U	U	NA	NA	
selenium	10	30	U	U	U	U	U	U	U	U	U	NA	NA	
silver	50	10	U	U	U	U	U	U	U	U	U	NA	NA	
sodium	20,000	1,000	663 F	1,240	1,730	1,200	1,200	1300 B	1300 B	1,300	1,800 B	NA	NA	
thallium	0.5	80	U	U	U	U	U	U	U	U	U	NA	NA	
vanadium	--	10	U	U	U	U	1.8 F	U	0.71 F	U	U	NA	NA	
zinc	2,000	20	34.4	25.6	29.8	29	29	35 B	36 B	40 B	31 B	NA	NA	
mercury	0.7	1	U	U	U	NA	NA	NA	NA	NA	NA	NA	NA	
Leachate Indicators (mg/L)														
alkalinity, Total	--	10	U	2.4 F	0.89 F	U	U	U	U	U	U	U	U	
ammonia	2	0.2	U	0.039 F	U	U	U	U	U	U	0.11	U	U	
BOD5	--	2.4	U	U	U	U	U	U	U	U	U	U	U	
bromide	2	0.5	U	U	0.34 F	U	U	U	U	U	U	U	U	
COD	--	5	U	U	U	17 B	4.1 F	9.0 F	U	U	U	11 J	U	
chloride	250	1	2.6	2.4	2.8	2	0.53 F	1.9	2.1	1.2 F	1.9 J			
color	15	5	0	10 J	U	NA	U	U	U	U	U			
cyanide, Total	200	0.02	U	U	U	NA	NA	NA	NA	NA	NA			
fluoride	1.5	1	NA	NA	NA	NA	NA	NA	NA	0.093 F	0.081 J			
hardness, Total	--	1	28	8	1.8 F	U	28	U	7.8	16	8.5			
nitrate	10	1	U	0.07 F	0.09 F	0.11	U	0.19	0.078 F	0.058 F	0.13 J			
TKN	1	1	U	0.27 B	0.12 F	U	U	U	0.52 B	0.50 F	0.35 J			
sulfate	250	1	9.7	12	7.8	8.8	2.2	10	10	11	6.7			
TDS	500	10	30	33	30	U	26	U	38 B	16	17			
TOC	--	1	U	0.93 F	1.2	1.2	1.2	1.2	1.9	1.3	1.6			
phenolics, Total	--	0.005	U	U	U	NA	NA	NA	NA	NA	U			

For notes, please refer to the end of the tables section.

Table 3-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF2MW-100													
Date of Collection			12/4/2003	3/26/2004	6/25/2004	9/16/2004	12/14/2004	4/1/2005	6/22/2005	9/7/2005	12/19/2005	3/15/2006	9/14/2006	4/3/2007		
Sample ID No.			LF2M10009AA	LF2M10011BA	LF2M10015CA	LF2M10026DA	LF2M10031EA	LF2M10022FA	LF2M10026FA	LF2M10046HA	LF2M10028IA	LF2M10021JA	LF2M10011KA	LF2M10008LA		
Depth to Water (ft)			9.42	10.92	15.24	25.70	30.90	21.80	26.37	46.15	27.80	20.91	10.80	8.06		
VOCs (µg/L)																
1,1-dichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	NA	NA		
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	NA	NA		
acetone	50	10	2.7 F	2.5 F	3.6 F	2.6 F	4.2 F	1.4 F	U	U	6.2 F	7.8 F	NA	NA		
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U	U	U	NA	NA		
chloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	NA	NA		
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	NA	NA		
dichlorodifluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	NA	NA		
methylene chloride	5*	1	U	U	U	U	U	U	U	U	4.2	U	NA	NA		
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	NA	NA		
vinyl chloride	2	1	U	U	U	U	U	U	U	U	U	U	NA	NA		
Metals (µg/L) [Dissolved / Total]¹																
aluminum	2,000	200	1,230	13,900	336	209	142 F	128 F	531	201	147 F	40.8 F	42.1 F	58.6 F	U	190 F
antimony	3	50	7.5 F	U	U	U	U	4 F	5.7 F	U	5.6 F	U	U	U	2.5 F	2.1 F
arsenic	25	30	U	7.4 F	U	U	U	U	U	U	U	U	U	U	U	U
barium	1,000	50	2,280	2,690	1,770	1,780	1,860	1,880	1,390	1,860	3,020	1,540	1,840	1,900	1,900	2,000
beryllium	3	4	0.4 F	1.2 F	U	U	U	U	U	0.3 F	0.3 F	0.3 F	U	U	U	U
boron, Total	1,000	10	706	NA	NA	NA	NA	769	NA	NA	NA	746	NA	NA	NA	NA
cadmium	5	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U
calcium	--	1,100	68,000	74,600	47,300	49,200	47,400	49,000	39,000	54,700	83,600	46,500	52,800	56,600	60,000	64,000
chromium	50	10	5.2 F	52	3.4 F	2.5 F	U	2.5 F	181	970	170	8.8 F	93.6	877	18	3,400
cobalt	--	60	1.5 F	8.9 F	1.1 F	1.5 F	1.3 F	U	3.6 F	22.5	2.6 F	1.7 F	7.57 F	U	18 F	69
copper	200	10	81.3	184	18.8	8.9 F	8.6 F	6.3 F	24.8 F	21.9	10.1	3.3 F	3.28 F	16.4	7.5 F	240
iron	300	200	1,920	22,200	427	274	122 F	116 F	1,170	5,220	560	72.8 F	283	1,760	2,200	27,000
lead	25	25	U	17.2 F	U	U	U	U	U	U	U	U	U	U	U	U
magnesium	35,000	1,000	22,400	26,700	15,300	16,600	15,300	15,600	12,400	16,800	25,600	14,300	16,300	17,300	18,000	19,000
manganese	300	10	130	557	86	88.7	77.4	80.8	106	458	260	107	326	320	520	1,200
molybdenum	--	15	25.2	29.5	17.8	21	15.9	10.5 F	21.3	47.1	29.4	15.9	22.5	35.8	46	190
nickel	100	20	19.9 F	76.6	9.7 F	8.3 F	6.6 F	7.3 F	136	1,020	68.7	87.9	646	596	1,100	3,700
potassium	--	1,000	28,600	28,200 F	24,100 F	22,200 F	23,800 F	33,200 J	30,000 M	40,000 M	50,900 M	31,500	28,800	30,200	29,000	30,000
selenium	10	30	U	U	U	U	U	U	U	U	U	U	U	U	U	U
silver	50	10	U	U	U	U	U	U	U	U	U	U	U	U	U	U
sodium	20,000	1,000	1,920,000	1,660,000	1,390,000	1,400,000	1,490,000	1,400,000	1,220,000	1,500,000	1,810,000	1,390,000	1,660,000	1,700,000	1,700,000	1,800,000
thallium	0.5	80	U	U	U	U	U	U	U	U	U	U	13.4 F	11.1 F	U	U
vanadium	--	10	3.1 F	20.2	0.8 F	U	U	U	2.3 F	3.8 F	1 F	U	U	4.68 F	U	13
zinc	2,000	20	10.5 F	61.7	8.2 F	24.7	12.8 F	12.4	21.3	39	22	12.3 F	30.5 B	99.3 B	26	27
mercury	0.7	1	U	NA	NA	NA	NA	U	NA	NA	NA	U	U	NA	NA	NA
Leachate Indicators (mg/L)																
alkalinity, Total	--	10	126	136	141	183	177	171	183	187	189	187	170	140		
ammonia	2	0.2	7.4	U	6	7.2	5.5	6.6	0.25	7.4	7.8	6.2	5	7.7		
BOD5	--	2.4	2.2	U	U	NS	NA	NA	NA	NA	NA	NA	9.4	U		
bromide	2	0.5	39.6	47.3	U	36	U	NA	NA	27.5	40.4	28.2	27	31		
COD	--	5	47	U	178	36	U	73.8	U	41.8	40.3	45.9	41	72		
chloride	250	1	3,070	3,890 R	0.4 F	3,220	8.8	NA	NA	4,060	4,670	3,900	2,600	2,700		
color	15	5	150	NA	NA	NA	NA	NA	NA	NA	NA	U	NA	NA		
cyanide, Total	200	0.02	0.022	NA	NA	NA	NA	U	NA	NA	NA	U	NA	NA		
fluoride	1.5	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
hardness, Total	--	1	510	300	188	210	196	184	196	265	350	124	380	220		
nitrate	10	1	U	UJ	U	U	0.28 F	NA	NA	U	U	U	0.2	1.1 F		
TKN	1	1	9.3	U	6.6	6.5	4.8	7.4	0.54	7.1	10.9	7.9	7.1	7.9		
sulfate	250	1	19.3	27.2	19.9	21.7	6.9	NA	NA	10.5	10	11.9	6.6 F	7.8 F		
TDS	500	10	4,980	4,600	4,030	4,010	3,810	NA	NA	4,280	3,350	3,770	4,600	2,100		
TOC	--	1	U	U	U	U	NA	0.79 F	1.7	1.5	U	1.2	1.5	2.0		
phenolics, Total	--	0.005	U	U	U	U	NA	0.008 F	NA	U	U	U	NA	NA		

For notes, please refer to the end of the tables section.

Table 3-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards		Reporting Limit		LF2MW-100																	
Date of Collection					9/26/2007		4/1/2008		9/18/2008		4/8/2009		3/29/2010						6/16/2011		6/6/2013	
Sample ID No.					LF2M10011MA		LF2M10008NA		LF2M10011OA		LF2M10008PA		LF2M10010QA						LF2M10009RA		LF2M10010SSA	
Depth to Water (ft)					12.64		7.98		11.45		8.31		9.87						8.5		9.80	
VOCs (µg/L)																						
1,1-dichloroethane	5*	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA						
1,2-dichloroethane	0.6	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA						
acetone	50	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA						
carbon disulfide	1,000	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA						
chloroethane	5*	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA						
cis-1,2-dichloroethene	5*	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA						
dichlorodifluoromethane	5*	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA						
methylene chloride	5*	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA						
trichlorofluoromethane	5*	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA						
vinyl chloride	2	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA						
Metals (µg/L) [Dissolved / Total] ¹																						
aluminum	2,000	200	U	58 F	U	56 F	U	100 F	U	U	U	410	NA	NA	NA	NA						
antimony	3	50	2.3 F	7.1 F	2.3 F	2.7 F	3.4 F	U	U	U	U	U	NA	NA	NA	NA						
arsenic	25	30	U	U	U	U	U	4.2 F	U	U	U	U	NA	NA	NA	NA						
barium	1,000	50	1,600	1,800	2,800	2,800	1,800	2,300	2,600	2,500	2,500	2,600	NA	NA	NA	NA						
beryllium	3	4	U	U	U	U	U	U	U	U	U	U	NA	NA	NA	NA						
boron, Total	1,000	10	NA	NA	750	760	NA	NA	790	810	NA	740	NA	NA	NA	NA						
cadmium	5	5	U	U	U	U	U	U	U	U	U	U	NA	NA	NA	NA						
calcium	--	1,100	67,000	68,000	92,000	93,000	63,000	84,000	79,000	82,000	81,000	78,000 B	NA	NA	NA	NA						
chromium	50	10	U	2,200	U	140	8.1 F	480	U	120	U	200	NA	NA	NA	NA						
cobalt	--	60	31 F	28 F	U	U	U	28 F	U	U	U	U	NA	NA	NA	NA						
copper	200	10	10	56	4.7 F	28	2.0 F	72	U	5.7 F	U	U	NA	NA	NA	NA						
iron	300	200	4,900	14,000	830	1,500	280	12,000	850	1,900	2,000	2,800	NA	NA	NA	NA						
lead	25	25	U	U	U	U	U	U	U	U	U	U	NA	NA	NA	NA						
magnesium	35,000	1,000	18,000	18,000	27,000	27,000	19,000	23,000	23,000	24,000	22,000	21,000	NA	NA	NA	NA						
manganese	300	10	910	820	450	440	250	900	330	430	270	310	NA	NA	NA	NA						
molybdenum	--	15	50	98	34	33	35	65	19	23	23 F	17 F	NA	NA	NA	NA						
nickel	100	20	2,600	2,500	580 J	470 J	510	2,000	320	470	410 F	200 J	NA	NA	NA	NA						
potassium	--	1,000	30,000	29,000	38,000	38,000	31,000	36,000	34,000	37,000	35,000	35,000	NA	NA	NA	NA						
selenium	10	30	U	U	U	U	U	U	U	U	U	U	NA	NA	NA	NA						
silver	50	10	U	U	U	U	U	U	U	U	U	U	NA	NA	NA	NA						
sodium	20,000	1,000	1,600,000	1,600,000	2,000,000	2,100,000	1,600,000	2,100,000	1,900,000	2,000,000	1,900,000	1,900,000	NA	NA	NA	NA						
thallium	0.5	80	U	U	U	U	U	U	U	U	U	U	NA	NA	NA	NA						
vanadium	--	10	U	11	U	0.74 F	U	2.7 F	U	U	U	U	NA	NA	NA	NA						
zinc	2,000	20	38	64	12 F	13 F	63 B	16 F	29 B	24 B	18 F	11 FB	NA	NA	NA	NA						
mercury	0.7	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA						
Leachate Indicators (mg/L)																						
alkalinity, Total	--	10	150	180	180	180	180	180	180	150	U	650										
ammonia	2	0.2	8.1	9.7	8.3	9.1	9.1	9.1	9.1	7.9	7.5	8.6										
BOD5	--	2.4	NA	U	NA	NA	3.0	U	U	U	U	2.0 J										
bromide	2	0.5	25	34	28	33	33	33	33	31	32	34										
COD	--	5	70	39	44	44	80 B	47 B	47 B	27	27	41										
chloride	250	1	2,700	3,200	2,700	3,200	3,200	3,000	3,000	3,000	3,000	3,100										
color	15	5	NA	U	NA	NA	20	U	U	U	U	U										
cyanide, Total	200	0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	U										
fluoride	1.5	1	NA	NA	NA	NA	NA	NA	NA	0.79 F	0.87 J											
hardness, Total	--	1	730	460	340	340	330	280	280	280	410											
nitrate	10	1	0.051 F	U	0.48 F	U	U	U	U	U	U	U										
TKN	1	1	14	9.4	7.6	9.0	9.0	10	7.9	7.1												
sulfate	250	1	6	8.8 F	8.8 F	7.5 F	U	25	8.2 J													
TDS	500	10	4,600	5,700	4,600	5,300	4,900	4,900	450	4,100												
TOC	--	1	2.2	1.1	1.8	1.7	1.4	2.4	1.9													
phenolics, Total	--	0.005	NA	NA	NA	NA	NA	NA	NA	NA	NA	U										

For notes, please refer to the end of the tables section.

Table 3-2
Surface Water Analytical Results

Location of Well		NYSDEC Class A Surface Water Standards	Reporting Limit	LF2SW-1											
Date of Collection	12/4/2003			3/26/2004	6/25/2004	9/15/2004	12/13/2004	3/31/2005	6/21/2005	9/8/2005	12/16/2005	3/10/2006	9/13/2006	4/3/2007	
Sample ID No.	LF2SW0101AA			LF2SW0101BA	LF2SW0101CA	LF2SW0101DA	LF2SW0101EA	LF2SW0101FA	LF2SW0101GA	Not Sampled	Not Sampled	LF2SW0101JA	Not Sampled	LF2SW0101LA	
Depth to Water (ft)	Surface			Surface	Surface	Surface	Surface	Surface	Surface	NS	NS	Surface	NS	Surface	
VOCs (µg/L)															
acetone	50	10	4.2 F	4.5 F	3.8 F	4.5 F	2.9 F	3.1 F	3.2 F	NS	NS	13	NS	NA	
2-butanone (MEK)	50	10	U	U	U	U	U	U	U	NS	NS	U	NS	NA	
toluene	5	1	U	U	U	0.32 F	U	U	U	NS	NS	U	NS	NA	
Metals (µg/L) [Dissolved / Total] ¹															
aluminum	100	200	2,210	240	840	547	206	36.1 F	402	NS	NS	83.3 F	NS	U 53 F	
antimony	3	50	U	U	U	U	U	U	U	NS	NS	U	NS	U	
arsenic	50	30	U	U	U	U	U	U	U	NS	NS	U	NS	U	
barium	1,000	50	22.5 F	7.9 F	17.8 F	18.8 F	4.6 F	3.6 F	23.1 F	NS	NS	7.1 F	NS	84 F 83 F	
beryllium	3	4	U	U	U	U	U	U	U	NS	NS	U	NS	U	
boron, Total	1,000	110	15.3	NA	NA	NA	NA	5.1 F	NA	NS	NS	6.1 F	NS	NA NA	
cadmium	5	5	U	U	U	U	U	U	U	NS	NS	U	NS	U	
calcium	--	1,100	29,100	9,730	43,000	27,900	7,080	6,120	47,100	NS	NS	6,960	NS	11,000 10,000	
chromium	50	10	2.2 F	U	0.9 F	U	U	U	U	NS	NS	1.1 F	NS	U U	
cobalt	5	60	U	U	U	U	U	U	U	NS	NS	U	NS	U	
copper	200	10	4.6 F	U	2.2 F	U	U	3.4 F	3.4 F	NS	NS	1.9 F	NS	U	
iron	300	200	3,130	451	2,060	5,110	431	133 F	1,680	NS	NS	240	NS	250 1,000	
lead	50	25	4.1 F	U	U	U	U	U	U	NS	NS	U	NS	U	
magnesium	35,000	1,000	2,970	918 F	4,130	2,140	898 F	672 F	4,990	NS	NS	818 F	NS	1,300 1,300	
manganese	300	10	247	282	333	926	81	71.3	425	NS	NS	233	NS	27 70	
molybdenum	--	15	U	U	U	U	U	0.6 F	U	NS	NS	U	NS	U	
nickel	100	20	U	U	U	U	U	U	1.5 F	NS	NS	U	NS	1.6 F U	
potassium	--	1,000	3,690	1,140	2,430	3,980	2,200	1,180	3,120	NS	NS	1,040	NS	920 F 860 F	
selenium	10	30	U	U	U	U	U	U	U	NS	NS	U	NS	U	
silver	50	10	U	U	U	U	U	U	U	NS	NS	U	NS	U	
sodium	--	1,000	564 F	552 F	1730	578	U	381 F	1,580	NS	NS	694 F	NS	1,500 1,300	
thallium	0.5	80	U	U	U	U	U	U	U	NS	NS	U	NS	U	
vanadium	--	10	2.9 F	U	1.2 F	1.5	U	U	1 F	NS	NS	U	NS	U	
zinc	2,000	20	20.3	15.7 F	U	U	9 F	9 F	3.7 F	NS	NS	11.6 F	NS	20 24	
mercury	0.7	1	U	NA	NA	NA	NA	U	NA	NS	NS	U	NS	NA NA	
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	74.4	22.8	94.8	78.1	24	21.6	139	NS	NS	22.2	NS	30	
ammonia	2	0.2	U	0.098	0.024 F	0.057	0.067	0.038 F	U	NS	NS	0.3	NS	U	
BOD5	--	2.4	5.1	2.8	6.8	U	U	3.2	5	NS	NS	2.5	NS	2.3	
bromide	2	0.5	U	U	U	U	U	U	U	NS	NS	U	NS	U	
COD	--	5	36.4	17.4	46.8	30	11.8	U	28.5	NS	NS	U	NS	17	
chloride	250	1	2.4	1.4	2.4	1	0.62 F	0.67 F	1.1	NS	NS	U	NS	1.1	
color	15	5	140	NA	NA	NA	NA	25 J	NA	NS	NS	20	NS	NA	
cyanide, Total	200	0.02	U	NA	NA	NA	NA	U	NA	NS	NS	U	NS	NA	
fluoride	1.5	1	NA	NA	NA	NA	NA	NA	NA	NS	NS	NA	NS	NA	
hardness, Total	--	1	116	28	112	90	56	12	160	NS	NS	15.3	NS	56	
nitrate	10	1	U	0.5 F	U	U	U	U	U	NS	NS	0.57 F	NS	U	
TKN	1	1	U	0.88	0.77	1	1 B	0.45 B	1.2	NS	NS	1.2	NS	0.29	
sulfate	250	1	7.5	3.8	5.4	2.1	2.9	1.4	13.2	NS	NS	U	NS	3.7	
TDS	500	10	144	59	172	88	65	45	189	NS	NS	46	NS	480	
TOC	--	1	8.1	3.7	12.6	11.7	5.3	U	13.2	NS	NS	4.1	NS	3.7	
Phenolics, Total	--	0.005	U	0.0032 F	U	U	U	U	0.01	NS	NS	U	NS	NA	

For notes, please refer to the end of the tables section.

Table 3-2
Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class A Surface Water Standards	Reporting Limit	LF2SW-1									
Date of Collection			9/25/2007	3/31/2008	9/18/2008	4/7/2009	3/29/2010	6/13/2011	6/5/2013			
Sample ID No.			LF2SW0101MA	LF2SW0101NA	LF2SW0101OA	LF2SW0101PA	LF2SW0101QA	LF2SW0101RA	LF2SW0101SA			
Depth to Water (ft)			NS	Surface	NS	Surface	Surface	Surface	Surface			
VOCs (µg/L)												
acetone	50	10	NS	NS	NS	NS	NS	NS	NS			
2-butanone (MEK)	50	10	NS	NS	NS	NS	NS	NS	NS			
toluene	5	1	NS	NS	NS	NS	NS	NS	NS			
Metals (µg/L) [Dissolved / Total] ¹												
aluminum	100	200	NS	130 F	110 F	NS	41,000	72 F	NS	NS		
antimony	3	50	NS	U	U	NS	U	U	NS	NS		
arsenic	50	30	NS	U	U	NS	13 F	U	NS	NS		
barium	1,000	50	NS	2.8 F	2.8 F	NS	220	6.9 FB	NS	NS		
beryllium	3	4	NS	U	U	NS	1.6 F	U	NS	NS		
boron, Total	1,000	110	NS	14 B	11 B	NS	31	22 B	NS	NS		
cadmium	5	5	NS	U	U	NS	U	U	NS	NS		
calcium	--	1,100	NS	3,700	3,400	NS	41,000	19,000 B	NS	NS		
chromium	50	10	NS	U	U	NS	37	U	NS	NS		
cobalt	5	60	NS	U	U	NS	18 F	U	NS	NS		
copper	200	10	NS	U	U	NS	67	U	NS	NS		
iron	300	200	NS	41 F	78 F	NS	66,000	240	NS	NS		
lead	50	25	NS	U	U	NS	43	U	NS	NS		
magnesium	35,000	1,000	NS	490	430	NS	12,000	2,200 B	NS	NS		
manganese	300	10	NS	60	74	NS	1,500	17	NS	NS		
molybdenum	--	15	NS	U	U	NS	U	U	NS	NS		
nickel	100	20	NS	U	U	NS	44	U	NS	NS		
potassium	--	1,000	NS	500 F	440 F	NS	7,900	1,600 B	NS	NS		
selenium	10	30	NS	U	U	NS	U	U	NS	NS		
silver	50	10	NS	U	U	NS	U	U	NS	NS		
sodium	--	1,000	NS	370 F	300 F	NS	1,800	930 FB	NS	NS		
thallium	0.5	80	NS	U	U	NS	U	U	NS	NS		
vanadium	--	10	NS	U	U	NS	64	U	NS	NS		
zinc	2,000	20	NS	19 F	16 F	NS	270	24 B	NS	NS		
mercury	0.7	1	NS	NA	NA	NS	NA	NA	NS	NS		
Leachate Indicators (mg/L)												
alkalinity, Total	--	10	NS	12		NS	66	50	140	190		
ammonia	2	0.2	NS	U		NS	0.2	U	0.12	0.35		
BOD5	--	2.4	NS	3.8		NS	5.0	U	2.6	2.3 J		
bromide	2	0.5	NS	U		NS	0.019 F	U	U	U		
COD	--	5	NS	15		NS	390	19 B	46	120		
chloride	250	1	NS	0.53 F		NS	0.92 F	0.50 F	1.2 F	0.53 J		
color	15	5	NS	15		NS	50	15	30	50		
cyanide, Total	200	0.02	NS	NA		NS	NA	NA	NA	U		
fluoride	1.5	1	NS	NA		NS	NA	NA	U	0.081 J		
hardness, Total	--	1	NS	20		NS	110	57	140	200		
nitrate	10	1	NS	U		NS	0.049 F	0.015 F	U	U		
TKN	1	1	NS	0.36 B		NS	7.9	0.78 B	0.99 F	3.4		
sulfate	250	1	NS	2.1		NS	3.7 F	3.5	0.60 F	0.88 J		
TDS	500	10	NS	U		NS	100	100	180	220		
TOC	--	1	NS	4.0		NS	10	8.8	16	20		
Phenolics, Total	--	0.005	NS	NA		NS	NA	NA	NA	U		

For notes, please refer to the end of the tables section.

Table 3-2
Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class A Surface Water Standards	Reporting Limit	LF2SW-2											
Date of Collection			12/4/2003	3/26/2004	6/25/2004	9/15/2004	12/13/2004	3/31/2005	6/21/2005	9/8/2005	12/16/2005	3/10/2006	9/13/2006	4/2/2007
Sample ID No.			LF2SW0201AA	LF2SW0201BA	LF2SW0201CA	LF2SW0201DA	LF2SW0201EA	LF2SW0201FA	Not Sampled	Not Sampled	Not Sampled	LF2SW0201JA	Not Sampled	LF2SW0201LA
Depth to Water (ft)			Surface	Surface	Surface	Surface	Surface	Surface	NS	NS	NS	Surface	NS	Surface
VOCs (µg/L)														
acetone	50	10	3.6 F	3.1 F	3.2 F	3.7 F	2.8 F	11	NS	NS	NS	10	NS	NA
2-butanone (MEK)	50	10	U	U	U	U	U	1.4 F	NS	NS	NS	U	NS	NA
toluene	5	1	U	U	0.35 F	0.28 F	U	U	NS	NS	NS	U	NS	NA
Metals (µg/L) [Dissolved / Total]¹														
aluminum	100	200	3,620	1,420	1,800	2,390	349	78.3 F	NS	NS	NS	80.9 F	NS	U 54 F
antimony	3	50	U	U	U	U	U	U	NS	NS	NS	U	NS	U
arsenic	50	30	U	U	U	4.3 F	U	U	NS	NS	NS	U	NS	U
barium	1,000	50	27 F	13.8 F	29.8 F	36.9 F	4.4 F	4.2 F	NS	NS	NS	2.8 F	NS	6.5 F 4.9 F
beryllium	3	4	U	U	U	U	U	U	NS	NS	NS	U	NS	U
boron, Total	1,000	110	20.7	NA	NA	NA	NA	7.4 F	NS	NS	NS	6.3 F	NS	NA NA
cadmium	5	5	U	U	U	U	U	U	NS	NS	NS	U	NS	U
calcium	--	1,100	31,600	19,100	50,200	42,800	12,200	9,000	NS	NS	NS	2,500	NS	17,000 J 13,000 J
chromium	50	10	3.1 F	1.7 F	1.6 F	1 F	U	U	NS	NS	NS	1.1 F	NS	1.9 F U
cobalt	5	60	1.4 F	U	0.9 F	U	U	U	NS	NS	NS	U	NS	U
copper	200	10	4.8 F	U	7.5 F	4.3 F	U	8.1 F	NS	NS	NS	1.7 F	NS	U U
iron	300	200	4,020	1,450	3,410	5,160	398	203	NS	NS	NS	71.3	NS	93 F 280
lead	50	25	U	U	U	U	U	U	NS	NS	NS	U	NS	U
magnesium	35,000	1,000	3,520	1,920	4,600	3,670	1,110	984 F	NS	NS	NS	370 F	NS	1,600 J 1,200 J
manganese	300	10	459	160	660	1,710	55.1	241	NS	NS	NS	13.2	NS	200 J 140 J
molybdenum	--	15	2.1 F	U	U	U	U	0.9 F	NS	NS	NS	2,260	NS	U U
nickel	100	20	2.8 F	U	1.7 F	1.8 F	U	U	NS	NS	NS	U	NS	U U
potassium	--	1,000	3,560	1,430	4,270	5,310	2,030	2,760	NS	NS	NS	U	NS	1,900 1,600
selenium	10	30	U	U	U	U	U	U	NS	NS	NS	U	NS	U U
silver	50	10	U	U	U	U	U	U	NS	NS	NS	U	NS	U U
sodium	--	1,000	892 F	840 F	1760	884 F	U	237 F	NS	NS	NS	1,100	NS	620 F 550 F
thallium	0.5	80	U	U	U	U	U	U	NS	NS	NS	U	NS	U U
vanadium	--	10	5.3 F	2.6 F	2.4 F	4 F	U	U	NS	NS	NS	U	NS	U U
zinc	2,000	20	13.4 F	U	9.3 F	10.8 F	U	6.7 F	NS	NS	NS	16.1 F	NS	U 6.3 F
mercury	0.7	1	U	NA	NA	NA	NA	U	NS	NS	NS	U	NS	NA NA
Leachate Indicators (mg/L)														
alkalinity, Total	--	10	83	42.4	107	122	36	33.6	NS	NS	NS	3.1 F	NS	50
ammonia	2	0.2	U	U	0.64	0.16	U	0.2	NS	NS	NS	0.35	NS	0.025 F
BOD5	--	2.4	3.9	2.2	4.1	4.2	U	7.6	NS	NS	NS	U	NS	2.2
bromide	2	0.5	U	U	U	U	U	U	NS	NS	NS	U	NS	0.013 F
COD	--	5	26.3	35.4	41.9	57.6	U	26.5	NS	NS	NS	U	NS	28 B
chloride	250	1	2.1	1.1	5.2	1.2	0.52 F	0.65 F	NS	NS	NS	2.4	NS	0.92 F
color	15	5	160	NA	NA	NA	NA	25 J	NS	NS	NS	15	NS	NA
cyanide, Total	200	0.02	U	NA	NA	NA	NA	U	NS	NS	NS	U	NS	NA
fluoride	1.5	1	NA	NA	NA	NA	NA	NA	NS	NS	NS	NA	NS	NA
hardness, Total	--	1	136	76	140	140	64	32	NS	NS	NS	1.5 F	NS	40
nitrate	10	1	U	U	U	U	U	0.06 F	NS	NS	NS	0.74 F	NS	0.064 F
TKN	1	1	1	0.42	1.6	1.2	0.63 B	0.76 B	NS	NS	NS	0.91	NS	0.25
sulfate	250	1	11.1	4.9	8.4	1.8	3	U	NS	NS	NS	3.5	NS	1.9
TDS	500	10	148	89	180	154	68	45	NS	NS	NS	31	NS	53
TOC	--	1	5.9	3.3	10.8	11.8	4.1	5.2	NS	NS	NS	5.2	NS	3.9
Phenolics, Total	--	0.005	U	U	U	U	U	U	NS	NS	NS	U	NS	NA

For notes, please refer to the end of the tables section.

Table 3-2
Groundwater and Surface Water Sampling Results

Location of Well	LF2SW-2														
Date of Collection	NYSDEC Class A Surface Water Standards	Reporting Limit	9/25/2007	3/31/2008	9/18/2008	4/8/2009	3/29/2010	6/13/2011	6/5/2013						
Sample ID No.			LF2SW0201MA	LF2SW0201NA	LF2SW0201OA	LF2SW0201PA	LF2SW0201QA	LF2SW0201RA	LF2SW0201SA						
Depth to Water (ft)			NS	Surface	NS	Surface	Surface	Surface	Surface	Surface					
VOCs (µg/L)															
acetone	50	10	NS	NS	NS	NS	NS	NS	NS						
2-butanone (MEK)	50	10	NS	NS	NS	NS	NS	NS	NS						
toluene	5	1	NS	NS	NS	NS	NS	NS	NS						
Metals (µg/L) [Dissolved / Total] ¹															
aluminum	100	200	NS	54 F	430 B	NS	U	U	NS	NS					
antimony	3	50	NS	U	U	NS	U	U	NS	NS					
arsenic	50	30	NS	U	U	NS	U	U	NS	NS					
barium	1,000	50	NS	9.7 F	12 F	NS	11 F	9.0 FB	NS	NS					
beryllium	3	4	NS	U	U	NS	U	U	NS	NS					
boron, Total	1,000	110	NS	11 B	11 B	NS	14	25 B	NS	NS					
cadmium	5	5	NS	U	U	NS	U	U	NS	NS					
calcium	--	1,100	NS	27,000	25,000	NS	41,000	43,000 B	NS	NS					
chromium	50	10	NS	U	U	NS	U	U	NS	NS					
cobalt	5	60	NS	U	U	NS	U	U	NS	NS					
copper	200	10	NS	U	2.3 F	NS	U	U	NS	NS					
iron	300	200	NS	180 F	800	NS	160 F	52 F	NS	NS					
lead	50	25	NS	U	U	NS	U	U	NS	NS					
magnesium	35,000	1,000	NS	2,200	2,100	NS	4,300	4,700 B	NS	NS					
manganese	300	10	NS	240	290	NS	42	30	NS	NS					
molybdenum	--	15	NS	U	U	NS	U	U	NS	NS					
nickel	100	20	NS	U	U	NS	U	U	NS	NS					
potassium	--	1,000	NS	1,500	1,600	NS	2,100	2,900 B	NS	NS					
selenium	10	30	NS	U	U	NS	U	U	NS	NS					
silver	50	10	NS	U	U	NS	U	U	NS	NS					
sodium	--	1,000	NS	590 F	540 F	NS	930 F	1,200 B	NS	NS					
thallium	0.5	80	NS	U	U	NS	U	U	NS	NS					
vanadium	--	10	NS	U	1.1 F	NS	U	U	NS	NS					
zinc	2,000	20	NS	14 F	18 F	NS	13 F	10 FB	NS	NS					
mercury	0.7	1	NS	NA	NA	NS	NS	NS	NS	NS					
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	NS	70		NS	120	130	180	NS					
ammonia	2	0.2	NS	U		NS	0.029 F	U	0.15	NS					
BOD5	--	2.4	NS	6.9		NS	U	U	U	NS					
bromide	2	0.5	NS	U		NS	0.021 F	U	U	NS					
COD	--	5	NS	44		NS	27	22 B	35	NS					
chloride	250	1	NS	0.81 F		NS	0.54 F	0.51 F	1.0 F	NS					
color	15	5	NS	30		NS	25	20	50	NS					
cyanide, Total	200	0.02	NS	NA		NS	NA	NA	NA	NS					
fluoride	1.5	1	NS	NA		NS	NA	NA	U	NS					
hardness, Total	--	1	NS	68		NS	130	130	170	NS					
nitrate	10	1	NS	0.018 F		NS	0.033 F	0.014 F	U	NS					
TKN	1	1	NS	1.2		NS	0.23	0.61 B	1.1	NS					
sulfate	250	1	NS	2.7		NS	3.1	2.7	0.67 F	NS					
TDS	500	10	NS	67		NS	69	160	210	NS					
TOC	--	1	NS	8.6		NS	6.2	8.5	12	NS					
Phenolics, Total	--	0.005	NS	NA		NS	NA	NA	NA	NS					

For notes, please refer to the end of the tables section.

Table 3-2
Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class A Surface Water Standards	Reporting Limit	LF2SW-3												
Date of Collection			12/4/2003	3/26/2004	6/25/2004	9/15/2004	12/14/2004	3/31/2005	6/21/2005	9/8/2005	12/16/2005	3/10/2006	9/13/2006	4/2/2007	
Sample ID No.			Not Sampled	LF2SW0301BA	Not Sampled	Not Sampled	LF2SW0301EA	LF2SW0301FA	Not Sampled	Not Sampled	Not Sampled	LF2SW0301JA	Not Sampled	LF2SW0301LA	
Depth to Water (ft)			Surface	Surface	NS	NS	Surface	Surface	NS	NS	NS	Surface	NS	Surface	
VOCs (µg/L)															
acetone	50	10	NS	U	NS	NS	U	1.5 F	NS	NS	NS	U	NS	NA	
2-butanone (MEK)	50	10	NS	U	U	NS	U	U	NS	NS	NS	U	NS	NA	
toluene	5	1	NS	U	NS	NS	U	U	NS	NS	NS	U	NS	NA	
Metals (µg/L) [Dissolved / Total] ¹															
aluminum	100	200	NS	1,580	NS	NS	59.8	320	NS	NS	NS	1,720	NS	U	U
antimony	3	50	NS	U	NS	NS	U	U	NS	NS	NS	U	NS	U	U
arsenic	50	30	NS	U	NS	NS	U	U	NS	NS	NS	U	NS	U	U
barium	1,000	50	NS	14.1 F	NS	NS	6.7 F	11.5 F	NS	NS	NS	23 F	NS	5.3 F	3.6 F
beryllium	3	4	NS	U	NS	NS	U	U	NS	NS	NS	U	NS	U	U
boron, Total	1,000	110	NS	NA	NS	NS	NA	18.5	NS	NS	NS	11.3	NS	NA	NA
cadmium	5	5	NS	U	NS	NS	U	U	NS	NS	NS	U	NS	U	U
calcium	--	1,100	NS	19,200	NS	NS	45,800	37,000	NS	NS	NS	29,400	NS	63,000	60,000
chromium	50	10	NS	1.5 F	NS	NS	U	U	NS	NS	NS	2.4 F	NS	5.3 F	2.8 F
cobalt	5	60	NS	U	NS	NS	U	U	NS	NS	NS	U	NS	U	U
copper	200	10	NS	U	NS	NS	U	4.1 F	NS	NS	NS	4.4 F	NS	U	U
iron	300	200	NS	1,380	NS	NS	24.8	298	NS	NS	NS	1,700	NS	29 F	25 F
lead	50	25	NS	U	NS	NS	U	2.7 F	NS	NS	NS	4.2 F	NS	U	U
magnesium	35,000	1,000	NS	2,190	NS	NS	8,700	5,900	NS	NS	NS	3,920	NS	12,000	12,000
manganese	300	10	NS	44.4	NS	NS	82.2	377	NS	NS	NS	296	NS	6,600	7,100
molybdenum	--	15	NS	U	NS	NS	U	0.6 F	NS	NS	NS	U	NS	U	U
nickel	100	20	NS	U	NS	NS	U	U	NS	NS	NS	1.9 F	NS	1.3 F	1.3 F
potassium	--	1,000	NS	1,370	NS	NS	580 F	1,090	NS	NS	NS	1,610	NS	1,200	1,100
selenium	10	30	NS	U	NS	NS	U	U	NS	NS	NS	U	NS	U	4.8 F
silver	50	10	NS	U	NS	NS	U	U	NS	NS	NS	U	NS	U	U
sodium	--	1,000	NS	929 F	NS	NS	3,910	2,450	NS	NS	NS	2,080	NS	5,800	6,200
thallium	0.5	80	NS	U	NS	NS	U	U	NS	NS	NS	U	NS	U	U
vanadium	--	10	NS	3.2 F	NS	NS	U	U	NS	NS	NS	3.2 F	NS	U	U
zinc	2,000	20	NS	6.7 F	NS	NS	U	5.2 F	NS	NS	NS	11.2 F	NS	U	U
mercury	0.7	1	NS	NA	NS	NS	NA	U	NS	NS	NS	U	NS	NA	NA
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	NS	49	NS	NS	136	116	NS	NS	NS	76	NS		200
ammonia	2	0.2	NS	U	NS	NS	0.1	0.059	NS	NS	NS	U	NS		0.19
BOD5	--	2.4	NS	U	NS	NS	U	U	NS	NS	NS	U	NS		U
bromide	2	0.5	NS	U	NS	NS	U	U	NS	NS	NS	U	NS		0.088 F
COD	--	5	NS	18.7	NS	NS	U	13.1	NS	NS	NS	15.8	NS		26 B
chloride	250	1	NS	1.4	NS	NS	6.5	3.4	NS	NS	NS	2.6	NS		9.0
color	15	5	NS	NA	NS	NS	NA	20 J	NS	NS	NS	25	NS		NA
cyanide, Total	200	0.02	NS	NA	NS	NS	NA	U	NS	NS	NS	U	NS		NA
fluoride	1.5	1	NS	NA	NS	NS	NA	NA	NS	NS	NS	NA	NS		NA
hardness, Total	--	1	NS	60	NS	NS	156	120	NS	NS	NS	75.3	NS		230
nitrate	10	1	NS	0.21 F	NS	NS	0.05 F	0.18 F	NS	NS	NS	0.4 F	NS		0.055 F
TKN	1	1	NS	0.38	NS	NS	0.35	1.4	NS	NS	NS	0.72	NS		0.41
sulfate	250	1	NS	4.7	NS	NS	10.2	7.3	NS	NS	NS	10.6	NS		9.9
TDS	500	10	NS	95	NS	NS	200	138	NS	NS	NS	118	NS		260
TOC	--	1	NS	2.9	NS	NS	2.7	3.3	NS	NS	NS	21.6	NS		2.1
Phenolics, Total	--	0.005	NS	0.0098 F	NS	NS	U	U	NS	NS	NS	U	NS		NA

For notes, please refer to the end of the tables section.

Table 3-2
Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class A Surface Water Standards	Reporting Limit	LF2SW-3									
Date of Collection			9/25/2007	3/31/2008	9/18/2008	4/8/2009	3/29/2010	6/13/2011	6/5/2013			
Sample ID No.			LF2SW0301MA	LF2SW0301NA	LF2SW0301OA	LF2SW0301PA	LF2SW0301QA	LF2SW0301RA	LF2SW0301SA			
Depth to Water (ft)			NS	Surface	NS	Surface	NS	Surface	Surface			
VOCs (µg/L)												
acetone	50	10	NA	NA	NA	NA	NA	NA	NA			
2-butanone (MEK)	50	10	NA	NA	NA	NA	NA	NA	NA			
toluene	5	1	NA	NA	NA	NA	NA	NA	NA			
Metals (µg/L) [Dissolved / Total] ¹												
aluminum	100	200	NS	160 F	280 B	NS	86 F	NS	NS	NS		
antimony	3	50	NS	U	2.1 F	NS	U	NS	NS	NS		
arsenic	50	30	NS	U	U	NS	U	NS	NS	NS		
barium	1,000	50	NS	6.3 F	7.4 F	NS	5.8 F	NS	NS	NS		
beryllium	3	4	NS	U	U	NS	U	NS	NS	NS		
boron, Total	1,000	110	NS	24 B	9.6 F	NS	16	NS	NS	NS		
cadmium	5	5	NS	U	U	NS	U	NS	NS	NS		
calcium	--	1,100	NS	22,000	22,000	NS	49,000	NS	NS	NS		
chromium	50	10	NS	U	U	NS	U	NS	NS	NS		
cobalt	5	60	NS	U	U	NS	U	NS	NS	NS		
copper	200	10	NS	U	U	NS	U	NS	NS	NS		
iron	300	200	NS	80 F	330	NS	72 F	NS	NS	NS		
lead	50	25	NS	U	U	NS	U	NS	NS	NS		
magnesium	35,000	1,000	NS	2,600	2,600	NS	7,700	NS	NS	NS		
manganese	300	10	NS	2.5 F	67	NS	29	NS	NS	NS		
molybdenum	--	15	NS	U	U	NS	U	NS	NS	NS		
nickel	100	20	NS	U	U	NS	U	NS	NS	NS		
potassium	--	1,000	NS	830 F	850 F	NS	720 F	NS	NS	NS		
selenium	10	30	NS	U	U	NS	U	NS	NS	NS		
silver	50	10	NS	U	U	NS	U	NS	NS	NS		
sodium	--	1,000	NS	890 F	830 F	NS	2,900	NS	NS	NS		
thallium	0.5	80	NS	U	U	NS	U	NS	NS	NS		
vanadium	--	10	NS	U	U	NS	U	NS	NS	NS		
zinc	2,000	20	NS	11 F	13 F	NS	17 F	NS	NS	NS		
mercury	0.7	1	NS	NA	NA	NS	NA	NS	NS	NS		
Leachate Indicators (mg/L)												
alkalinity, Total	--	10	NS	70		NS	140	NS	170	NS		
ammonia	2	0.2	NS	U		NS	0.029 F	NS	0.18	NS		
BOD5	--	2.4	NS	U		NS	2.2	NS	9.5	NS		
bromide	2	0.5	NS	U		NS	0.030 F	NS	U	NS		
COD	--	5	NS	35		NS	23	NS	29	NS		
chloride	250	1	NS	0.91 F		NS	3.3	NS	1.7 F	NS		
color	15	5	NS	25		NS	15	NS	35	NS		
cyanide, Total	200	0.02	NS	NA		NS	NA	NS	NA	NS		
fluoride	1.5	1	NS	NA		NS	NA	NS	0.061 J	NS		
hardness, Total	--	1	NS	72		NS	160	NS	180	NS		
nitrate	10	1	NS	U		NS	0.34	NS	U	NS		
TKN	1	1	NS	0.41 B		NS	0.21	NS	0.87 F	NS		
sulfate	250	1	NS	4.9		NS	8.7	NS	4.2	NS		
TDS	500	10	NS	68		NS	130	NS	200	NS		
TOC	--	1	NS	5.1		NS	3.2	NS	6.9	NS		
Phenolics, Total	--	0.005	NS	NA		NS	NA	NS	NA	NS		

For notes, please refer to the end of the tables section.

Table 3-3
Landfill 2/3 MAROS Trend Results

Well ID	Well Type	Number of Samples	Number of Detects	Mann-Kendall Statistic	Mann-Kendall Trend/ % Confidence	Linear Regression Trend/ % Confidence
Hardness [bicarbonate]						
LF2MW-100	Tail	19	19	37	NT	89.5
LF2MW-12	Tail	19	19	2	NT	51.4
LF2MW-13	Tail	19	19	-9	S	60.9
LF2MW-14	Tail	7	7	-2	S	55.7
LF2MW2-1	Source	19	19	-38	PD	90.1
LF2MW-4	Tail	19	19	-26	S	80.7
Alkalinity [Carbonate (as C03)]						
LF2MW-100	Tail	18	18	39	PI	92.4
LF2MW-12	Tail	19	19	0	S	48.6
LF2MW-13	Tail	19	19	4	NT	54.1
LF2MW-14	Tail	9	2	-11	S	84.6
LF2MW2-1	Source	19	19	-89	D	99.9
LF2MW-4	Tail	19	19	-6	S	56.9
Nitrate [nitrogen]						
LF2MW-100	Tail	15	4	0	NT	48
LF2MW-12	Tail	19	16	-116	D	100
LF2MW-13	Tail	19	6	27	NT	81.6
LF2MW-14	Tail	9	7	11	NT	84.6
LF2MW2-1	Source	19	7	51	I	96
LF2MW-4	Tail	19	18	61	I	98.3
Total Organic Carbon						
LF2MW-100	Tail	19	19	26	PI	93.6
LF2MW-12	Tail	19	19	-7	S	58.2
LF2MW-13	Tail	19	19	2	NT	51.4
LF2MW-14	Tail	8	8	18	I	98.4
LF2MW2-1	Source	18	18	-68	D	99.6
LF2MW-4	Tail	16	14	-41	D	96.5

Notes:

D = Decreasing

I = Increasing

N/A = Not applicable

NT = No trend

PD = Probably decreasing

PI = Probably increasing

S = Stable

* = One of the variables in the MAROS program is the value assigned to non-detects. This value was set at one half the detection limit, which causes a false positive for the COC's average concentration. Instead of 0 µg/L, the value of one half the detection limit was reported.

Table 3-4
Landfill 2/3 AOC LTM Network

Sampling Locations	Screen Interval Depth (ft MSL)	Sampling Rationale	Target Analytes/ Method Numbers¹	Matrix	# of Samples	Sampling Frequency	Evaluation Criteria
Groundwater LF2MW2-1 LF2MW-4 LF2MW-12 LF2MW-13 LF2MW-14 LF2MW-100 Surface Water LF2SW-1 LF2SW-2 LF2SW-3	516.28' – 506.28' 526.17' – 516.19' 521.5' – 511.5' 519.98' – 509.98' 531.35' – 521.35' 475.2' – 465.2' Depth to groundwater ranged from 3.12 to 29.79 ft bgs.	----- Downgradient from potential source Downgradient from potential source Downgradient from potential source Downgradient from potential source Upgradient from potential source Downgradient from potential source Potential contaminant receptor Potential contaminant receptor Potential contaminant receptor	<u>Landfill Leachate Indicators:</u> Anions – SW9056 Nitrogen (TKN) – 351.2 Ammonia – 350.1 COD – 410.4 BOD – 405.1 TOC – SW9060 TDS – 160.1 Alkalinity – 310.2 Phenols – SW9066 Hardness – 130.2 Color – 110.2 Boron – SW6010B	Water	9	Biennially	If downgradient wells do not exhibit exceedances of NYS Groundwater Standards or Base background levels for two successive monitoring events, evaluate monitoring frequency and number of wells.
Gas Sampling Gas monitoring probes/vents		In accordance with 6 NYCRR 360-2.17(f)	Methane (FID/CGI)	Gas	9 probes 14 vents	Semiannual	

¹ Baseline parameters based on 6 NYCRR Part 360, Subpart 2, Appendix A.

**Table 3-5
Landfill 2/3 AOC Historical LTM Network Optimization**

Sampling Locations	Sampling Rationale	Target Analytes/ Method Numbers¹	Sampling Frequency	Evaluation Criteria
Historical LTM Network Changes				
November 2011 (CERCLA Sites Optimization Plans)				
Analysis/Frequency Changes				
Groundwater LF2MW2-1 LF2MW-4 LF2MW-12 LF2MW-13 LF2MW-14 LF2MW-100 Surface Water LF2SW-1 LF2SW-2 LF2SW-3	----- Downgradient from potential source Downgradient from potential source Downgradient from potential source Downgradient from potential source Upgradient from potential source Downgradient from potential source Potential contaminant receptor Potential contaminant receptor Potential contaminant receptor	<u>Landfill Leachate Indicators:</u> Anions – SW9056 Nitrogen (TKN) – 351.2 Ammonia – 350.1 COD – 410.4 BOD – 405.1 TOC – SW9060 TDS – 160.1 Alkalinity – 310.2 Phenols – SW9066 Hardness – 130.2 Color – 110.2 Boron – SW6010B	Biennially	If downgradient wells do not exhibit exceedances of NYS Groundwater Standards or Base background levels for two successive monitoring events, evaluate monitoring frequency and number of wells.
January 2011				
Analysis/Frequency Changes				
Gas Sampling 9 Gas monitoring probes and 14 gas vents	In accordance with 6 NYCRR 360-2,17 (f)	Methane LEL Oxygen Carbon dioxide Barometric Pressure	Semi-annually	Reduce monitoring frequency to semi-annual as methane levels have stabilized throughout the site.
April 2008				
Analysis/Frequency Changes				
All groundwater monitoring wells utilizing low flow sampling	--	<u>Metals</u> – SW6010B (except Hg)	Semi-annually Annually (Baseline)	Samples collected for metals analysis will be analyzed for total concentrations only.

Table 3-5 (continued)
Landfill 2/3 AOC Historical LTM Network Optimization

April 2006				
Analysis/Frequency Changes				
Groundwater LF2MW2-1 LF2MW-4 LF2MW-12 LF2MW-13 LF2MW-100 Surface Water LF2SW-1 LF2SW-2 LF2SW-3	----- Downgradient from potential source Downgradient from potential source Downgradient from potential source Downgradient from potential source Bedrock, downgradient from potential source ----- Potential contaminant receptor Potential contaminant receptor Potential contaminant receptor	<u>Metals</u> – SW6010B (except Hg) <u>Landfill Leachate Indicators:</u> Anions –SW9056 Nitrogen (TKN) – 351.2 Ammonia – 350.1 COD – 410.4 BOD – 405.1 TOC – SW9060 TDS – 160.1 Alkalinity – 310.2 Hardness – 130.2 Color ² – 110.2 Boron ² – SW6010B	Semi-annually (Routine) Annually (Baseline)	Reduce sampling frequency from quarterly to semi-annually. Sampling frequency was reduced, due to the low concentrations of COCs.
All groundwater monitoring wells and surface water sampling locations	--	<u>Metals</u> – SW6010B (except Hg)	Semi-annually Annually (Baseline)	Samples collected for metals analysis will be analyzed for both dissolved and total concentrations.

Table 3-5 (continued)
Landfill 2/3 AOC Historical LTM Network Optimization

Historical LTM Network Changes				
April 2008				
Analysis/Frequency Changes				
All groundwater monitoring wells and surface water sampling locations	--	<u>Metals</u> – SW6010B (except Hg) <u>Landfill Leachate Indicators:</u> Anions –SW9056 Nitrogen (TKN) – 351.2 Ammonia – 350.1 COD – 410.4 BOD – 405.1 TOC – SW9060 TDS – 160.1 Alkalinity – 310.2 Hardness – 130.2 Color ² – 110.2 Boron ² – SW6010B	Quarterly (Routine) Semi-annually Annually (Baseline)	Analytes list was reduced, due to the low concentrations or absence of particular COCs. The following analytes were removed: cyanide, mercury, phenols, and VOCs.

Table 3-5 (continued)
Landfill 2/3 AOC Historical LTM Network Optimization

Historical LTM Network Changes				
January 2005				
Analysis/Frequency Changes				
All groundwater monitoring wells and surface water sampling locations	--	<u>VOCs</u> – SW8260 <u>Metals</u> – SW6010B (except Hg) <u>Mercury</u> – SW7470 <u>Cyanide</u> – SW9010 <u>Landfill Leachate Indicators:</u> Anions – SW9056 Nitrogen (TKN) – 351.2 Ammonia – 350.1 COD – 410.4 BOD – 405.1 TOC – SW9060 TDS – 160.1 Alkalinity – 310.2 Phenols – SW9066 Hardness – 130.2 Color – 110.2 Boron – SW6010B	Annually (Baseline)	It was recommended that baseline sampling be postponed until the March 2005 sampling round. By postponing the baseline sampling at the Landfill 2/3 AOC, baseline parameters were collected at all on-base landfill AOCs (Landfills 1, 2/3, 5, and 7) during a single sampling event (March/spring sampling round).
November 2004				
Added Sampling Locations				
LF2GMP-8 LF2GMP-9	POC Gas Monitoring Probes	Methane LEL Oxygen Carbon Dioxide Barometric Pressure	Quarterly	Quarterly monitoring with semi-annual evaluation and recommendations.

1 Target analytes are based on 6 NYCRR Part 360, Subpart 2, Appendix A.

2 Analyses only performed in baseline sampling. (Unless otherwise specified, parameters are analyzed on a routine/quarterly basis.)

Table 3-6
Landfill 2/3 AOC Proposed Future LTM Network Optimization

Sampling Locations	Screen Interval Depth (ft MSL)	Sampling Rationale	Target Analytes/ EPA Method Numbers ¹	Matrix	# of Samples	Sampling Frequency	Evaluation Criteria/ Modification Justification
Methane All gas monitoring probes and vents	--	In accordance with 6 NYCRR 360-2.17(f)	CGI Methane or %LEL ⁴	Gas	9 probes 14 vents	Annually	Reduce monitoring frequency to annually as methane levels have stabilized throughout the site.

Table 4-1
Groundwater and Surface Water Sampling Results

Location of Well			LF7MW-22											
			1/12/1999 [§]	2/7/2003	6/17/2003	9/10/2003	12/3/2003	3/24/2004	6/24/2004	9/15/2004	12/9/2004	3/30/2005	6/21/2005	9/7/2005
Sample ID No.	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF7M2203AA	LF7MW2210AA	LF7MW2210BB	LF7M2208CA	LF7M2208DA	LF7M2208EA	LF7M2208FA	LF7M2208GA	LF7M2208HA	LF7M2208IA	LF7M2208JA	LF7M2208KA
Depth to Water (ft)			3.23	2.89	2.54	1.61	0.41	0.00	0.54	0.98	0.55	0.00	1.37	2.05
VOCs (µg/L)														
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	NA	NA	NA	U	NA	NA
1,1-dichloroethene	5*	1	0.36 F	U	U	U	U	U	NA	NA	NA	U	NA	NA
benzene	1	0.1	0.22 F	U	U	U	U	U	NA	NA	NA	U	NA	NA
cis-1,2-dichloroethene	5*	1	3.58	0.26 F	0.69 F ♦	2.7	U	U	U	U	U	U	U	U
methylene chloride	5*	1	0.48 F	U	U	U	U	U	NA	NA	NA	U	NA	NA
trichloroethene (TCE)	5*	1	18.3	6.15	7.5 J ♦	26	0.42 F	2.5	8.5	3	1.4	0.97 F	11.8	1.9
toluene	5*	1	U	U	U	U	U	U	NA	NA	NA	U	NA	NA
trans-1,2-dichloroethene	5*	1	U	U	U	0.39 F	U	U	U	U	U	U	U	U
Metals (µg/L) [Dissolved / Total] ¹														
aluminum	2,000	200	0.83 J	U	73.3 F	180 F	97.1 F	250	U	83.4 F	U	132 F	U	50.2 F
antimony	3	50	U	U	U	U	U	U	U	U	U	U	U	U
arsenic	25	30	U	U	U	U	U	U	U	U	U	U	U	U
barium	1,000	50	0.0661	73.7	79.5	53.1	86.8	88.8	88.4	98.1	110	103	89.7	116
beryllium	3	4	U	U	U	U	U	0.6 F	U	U	U	0.3 F	U	U
boron, Total	1,000	110	287	285.6	257 B	NA	NA	288	NA	NA	NA	278	NA	NA
cadmium	5	5	1.2 F	U	U	U	U	U	U	U	U	U	U	U
calcium	--	1,100	177,210	189,058.5	166,000	133,000	177,000	186,000	185,000	177,000	177,000	197,000	156,000	180,000
chromium	50	10	1 F	U	U	U	U	U	U	U	U	U	U	U
cobalt	--	60	0.4 F	U	U	U	U	U	U	U	U	U	U	U
copper	200	10	U	U	U	U	4.5 F	6.8 F	2 F	U	1.8 F	7.3 F	2.1 F	U
iron	300	200	7,401 J	6,278.7	8,730	4,280	5,240	11,500	6,990	6,550	6,340	10,500	5,960	9,640
lead	25	25	U	U	U	U	U	U	U	U	U	U	U	U
magnesium	35,000	1,000	22,645	50,165.2	25,300	22,200	43,700	49,700	36,900	39,500	42,100	50,400	35,700	37,400
manganese	300	10	1,914	919.8	2,090	1,330	937	808	1,780	1,090	1,090	888	887	1,160
molybdenum	--	15	1	4.5 F	U	U	U	U	U	U	U	U	U	U
nickel	100	20	2 F	U	U	U	U	U	U	U	U	U	2.6 F	U
potassium	--	1,000	7,117	4,824.4	6,400	5,000	6,760	5,080	6,410	7,470	7,180	5,140	5,130	7,540
selenium	--	30	U	U	U	U	U	U	U	U	U	U	U	U
silver	50	10	3 F	U	U	U	U	U	U	U	U	U	U	U
sodium	20,000	1,000	10,670	20,185.6	9,860	5,840	18,200	19,200	14,500	15,700	16,900	19,000	13,700	14,300
thallium	0.5	80	U	U	U	U	U	U	U	U	U	U	U	U
vanadium	--	10	4 F	U	U	U	U	U	U	U	U	U	U	U
zinc	2,000	20	10 J	4.1 F	U	U	35.5	7.5 F	U	U	U	7.3 F	4 F	6.8 F
mercury	0.7	1	U	U	U	NA	NA	U	NA	NA	NA	U	NA	NA
Leachate Indicators (mg/L)														
alkalinity, Total	--	10	478	610	421	403	595	622	483	594	606	642	603	601
ammonia	2	0.2	0.700 J	0.42	0.77	0.61	0.61	0.44	0.65	0.83	0.74	0.52	0.39	0.84
BOD5	--	2.4	U	U	U	5.7	U	U	2.8	U	U	U	U	U
bromide	2	0.5	0.20 F	U	U	U	U	0.25 F	0.24 F	0.31 F	0.23 F	0.31 F	0.24 F	0.36 F
COD	--	5	U	U	23.6	U	U	10.8	6 F	U	10.5	U	5.3 F	U
chloride	250	1	7.15 F	17,9345	3.3	6.4	11.3	12.3	13.1	13.1	15.9	16.2	18.1	16.5
color	15	5	25	150 R	20	NA	NA	40	NA	NA	NA	200 J	NA	NA
cyanide, Total	200	0.02	U	0.00295 F	U	NA	NA	NA	NA	NA	NA	NA	NA	NA
fluoride	1.5	1	U	U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
hardness, Total	--	1	475 J	678.51	522	463	790	670	612	640	668	655	690	72.7
nitrate	10	1	U	U	2.0	U	U	U	0.027 F	U	U	U	U	U
TKN	1	1	U	1.68	1.1	1.1	1.6	U	1.2 B	1.3	1	1.8	1.2	1.5
sulfate	250	1	92.50 F	87,2678	4.8	55.5	82.6	83.2	85.5	69.8	72.3	79.7	72.2	55.4
TDS	500	10	623	731	306	566	716	759	677	673	696	719	693	722
TOC	--	1	3.99	3.05	1.6	U	3.1	3.1	1.6	3	3.3	2.6	3.2	4.7
phenolics, Total	--	0.005	0.0026 UJ	0.11245	U	U	U	0.0039 F	U	U	U	U	U	U

For notes, please refer to the end of the tables section.

Table 4-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well			LF7MW-22														
Date of Collection	NYSDEC Class GA Groundwater Standards	Reporting Limit	12/15/2005	3/10/2006	9/14/2006	3/28/2007	9/25/2007	3/28/2008	9/16/2008	4/21/2009	4/1/2010	6/21/2011	6/24/2013				
Sample ID No.			LF7M2208LA	LF7M2208MA	LF7M2208NA	LF7M2208OA	LF7M2208PA	LF7M2208QA	LF7M2208RA	LF7M2208SA	LF7M2208TA	LF7M2208UA	LF7M2210VA				
Depth to Water (ft)			1.66	0.00	1.37	0.00	2.63	0.00	3.20	0.44	0.00	1.60	2.25				
VOCs (µg/L)																	
1,1,1-trichloroethane	5*	1	NA	NA	NS	NS	NS	NS	NS	NS	NS	NA	NA				
1,1-dichloroethene	5*	1	NA	NA	NS	NS	NS	NS	NS	NS	NS	NA	NA				
benzene	1	0.1	NA	NA	NS	NS	NS	NS	NS	NS	NS	NA	NA				
cis-1,2-dichloroethene	5*	1	U	U	NS	NS	NS	NS	NS	NS	NS	NA	NA				
methylene chloride	5*	1	NA	NA	NS	NS	NS	NS	NS	NS	NS	NA	NA				
trichloroethene (TCE)	5*	1	0.92 F	0.93 F	NS	NS	NS	NS	NS	NS	NS	NA	NA				
toluene	5*	1	NA	NA	NS	NS	NS	NS	NS	NS	NS	NA	NA				
trans-1,2-dichloroethene	5*	1	U	U	NS	NS	NS	NS	NS	NS	NS	NA	NA				
Metals (µg/L) [Dissolved / Total] ¹																	
aluminum	2,000	200	228	637	U	160 F	52 F	95 F	U	250	U	48 F	53 F	190 F	360	NA	NA
antimony	3	50	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
arsenic	25	30	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
barium	1,000	50	132	134	127	123	110	120	130	140	110	110	150	120	120	NA	NA
beryllium	3	4	0.4 F	0.5 F	U	U	U	U	U	U	U	0.17 F	U	U	U	NA	NA
boron, Total	1,000	110	NA	288	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cadmium	5	5	U	U	U	U	0.57 F	1.0 F	U	U	U	U	U	U	U	NA	NA
calcium	--	1,100	191,000	204,000	186,000	184,000	200,000	210,000	180,000	190,000	200,000	200,000	200,000	190,000	180,000	NA	NA
chromium	50	10	1 F	2.1 F	2.9 F	4.07 F	6.9 F	8.8 F	4F	4.2F	4.4 F	5.1 F	3.5 F	5.0 F	U	NA	NA
cobalt	--	60	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
copper	200	10	3.5 F	5.6 F	U	U	U	U	U	4.6F	U	U	U	U	U	NA	NA
iron	300	200	12,900	33,100	6,610	10,800	5,100	12,000	6,700	15,000	5,400	7,500	10,000	11,000	8,100	NA	NA
lead	25	25	U	2.5 F	U	U	U	U	U	U	U	U	U	U	U	NA	NA
magnesium	35,000	1,000	43,400	51,900	37,200	36,400	52,000	53,000	36,000	36,000	51,000	50,000	39,000	45,000	47,000	NA	NA
manganese	300	10	1,130	963	1,250	1,270	840	860	1,200	1,300	870	850	1,300	1,000	880	NA	NA
molybdenum	--	15	U	1.7 F	U	U	U	U	U	U	U	U	U	U	U	NA	NA
nickel	100	20	U	2.1 F	1.13 F	U	U	U	U	1.5F	U	U	U	2.2 F	U	NA	NA
potassium	--	1,000	7,270	5,630	7,750	7,730	5,200	5,400	7,800	7,800	5,400	5,300	8,000	5,200	5,700	NA	NA
selenium	--	30	U	U	U	U	U	U	U	U	U	U	2.9 F	U	U	NA	NA
silver	50	10	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
sodium	20,000	1,000	17,300	19,700	14,700	14,400	21,000	21,000	15,000	15,000	21,000	20,000	17,000	18,000	18,000	NA	NA
thallium	0.5	80	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
vanadium	--	10	1 F	2.6 F	U	1 F	U	U	U	.92F	U	U	U	U	U	NA	NA
zinc	2,000	20	8.5 F	9.2 F	15.6 F	31.6	U	U	23.0	29.0	1.0 F	1.1 F	19 F	17 F	23	NA	NA
mercury	0.7	1	NA	U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Leachate Indicators (mg/L)																	
alkalinity, Total	--	10	605	633	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	410	510
ammonia	2	0.2	0.81	0.59	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.73	0.93
BOD5	--	2.4	U	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.8 F	2.8 B
bromide	2	0.5	0.32 F	0.49 F	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.11 F	0.24 J
COD	--	5	U	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	7.0 F	15 J
chloride	250	1	20.4	19.5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	22	34
color	15	5	NA	100	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	40	U
cyanide, Total	200	0.02	NA	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	U
fluoride	1.5	1	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	U
hardness, Total	--	1	660	588	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	480	540
nitrate	10	1	U	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	U
TKN	1	1	1.9	0.82	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.88 F	0.90 J
sulfate	250	1	79.3	82.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	38	42
TDS	500	10	698	750	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	500	640
TOC	--	1	2	3.7 B	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2.3	2.8 B
phenolics, Total	--	0.005	U	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	U

For notes, please refer to the end of the tables section.

Table 4-1
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class	Reporting Limit	LF7MW-23											
Date of Collection			1/12/1999 [§]	2/7/2003	6/17/2003	9/10/2003	12/4/2003	3/25/2004	6/24/2004	9/15/2004	12/9/2004	3/30/2005	6/21/2005	9/7/2005
Sample ID No.	GA Groundwater Standards		LF7MW2303AA	LF7MW2311AA	LF7MW2316BB	LF7M2310CA	LF7M2300DA	LF7M2312EA	LF7M2312FA	LF7M2312GA	LF7M2312HA	LF7M2312IA	LF7M2312JA	LF7M2312KA
Depth to Water (ft)			3.08	1.93	2.06	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.47
VOCs (µg/L)														
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	NA	NA	NA	U	NA	NA
1,1-dichloroethene	5*	1	U	U	U	U	U	U	NA	NA	NA	U	NA	NA
benzene	1	0.1	U	U	U	U	U	U	NA	NA	NA	U	NA	NA
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	0.63 B	U	U	U	U	U	NA	NA	NA	U	NA	NA
trichloroethene (TCE)	5*	1	U	U	U	U	U	U	U	U	U	U	U	U
toluene	5*	1	U	0.19 F	U	U	U	U	NA	NA	NA	U	NA	NA
trans-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U
Metals (µg/L) [Dissolved / Total] ¹														
aluminum	2,000	200	420	U	26.6 F ♦	636 J	296	2,110	581	616	162 F	366	360	231
antimony	3	50	U	U	U	U	U	U	U	U	U	U	U	U
arsenic	25	30	U	U	U	U	U	U	U	U	U	U	U	U
barium	1,000	50	29.6	21.1 F	18.5 F ♦	51.6	21.4 F	26.2 F	21.7 F	22.4 F	19.7 F	21.4	19.9 F	24 F
beryllium	3	4	U	U	U	U	U	0.3 F	U	U	U	U	U	U
boron, Total	1,000	110	U	U	69.3 B ♦	NA	NA	27.5	NA	NA	NA	26.2	NA	NA
cadmium	5	5	U	U	U	U	U	U	U	U	U	U	U	U
calcium	--	1,100	38,620	22,058.1	20,400	48,000	22,400	22,300	23,300	23,300	21,700	23,900	22,200	23,600
chromium	50	10	1 F	1.0 F	U	U	U	2.4 F	1.1 F	U	U	1.1 F	U	U
cobalt	--	60	U	U	U	U	U	U	U	U	U	U	U	0.9 F
copper	200	10	U	U	U	U	U	2.4 F	1.7 F	U	U	U	U	U
iron	300	200	1,409	140.9 F	62.3 F ♦	937	404	1,990	946	856	276	533	525	568
lead	25	25	U	U	U	U	U	U	U	U	U	U	U	U
magnesium	35,000	1,000	7,237.6	6,521.7	5,720	14,000	6,210	6,740	6,420	6,430	6,070	6,690	6,210	5,440
manganese	300	10	405.4	60.1	23.2 ♦	119	36.8	51.3	46.1	38.7	27.5	53.3	41.4	103
molybdenum	--	15	U	U	U	U	U	U	U	U	U	U	U	U
nickel	100	20	1 F	U	U	U	U	U	1.8 F	U	U	1.6 F	2.8 F	U
potassium	--	1,000	2,093	1,658.7	1,900 ♦	3,260	2,220	2,720	2,200	2,500	2,240	2,010	1,980	1,900
selenium	--	30	U	U	U	U	U	U	U	U	U	U	U	U
silver	50	10	U	U	U	U	U	U	U	U	U	U	U	U
sodium	20,000	1,000	8,410	11,176	9,560	7,020	10,100	9,740	9,510	10,300	9,900	9,990	9,290	8,720
thallium	0.5	80	U	U	U	U	U	U	U	U	U	U	U	U
vanadium	--	10	1 F	U	U	U	U	4.2 F	1.5 F	1.2 F	U	1 F	U	U
zinc	2,000	20	10	3.5 F	U	U	2.7 F	U	57.3	34.4	17 F	27.4	41.7	25.8
mercury	0.7	1	U	U	U	NA	NA	U	NA	NA	NA	U	NA	NA
Leachate Indicators (mg/L)														
alkalinity, Total	--	10	156	85	79.2	173	94	82.6	71.9	86.3	89.5	86	89	93
ammonia	2	0.2	0.28	U	0.26	0.34	0.32	0.3	0.32	0.38	0.36	0.3	0.31	0.32
BOD5	--	2.4	U	U	U	U	U	2	U	U	U	U	U	7.4 B
bromide	2	0.5	0.11 F	U	U	U	U	U	U	U	U	U	U	U
COD	--	5	U	U	U	U	U	U	U	U	14.1	U	U	U
chloride	250	1	2.89 F	2.1783	1.8	1.7	2.1	0.52 F	1.8	2	1.9	1.8	1.7	2.4
color	15	5	U	5 R	0	NA	NA	15	NA	NA	NA	20 J	NA	NA
cyanide, Total	200	0.02	U	U	U	NA	NA	U	NA	NA	NA	U	NA	NA
fluoride	1.5	1	U	0.1017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
hardness, Total	--	1	148	86.28	45.6 ♦	195	140	72	92	90	100	92	112	70.5
nitrate	10	1	U	U	U	U	U	0.18 F	U	U	U	U	U	U
TKN	1	1	U	U	0.41 B	0.52	U	0.4	0.60 B	0.43	0.6	0.45	0.36	0.3
sulfate	250	1	16 F	18.3229	18.7	14.2	16.4	2.7	19.4	18.9	17.7	17.5	18	16.9
TDS	500	10	200	129 ♦	100	229	136	94	112	103	117	117	128	201
TOC	--	1	U	0.59 SU	U	U	U	U	U	U	U	U	0.46 F	1.3
phenolics, Total	--	0.005	0.0026 UJ	U	U	U	U	U	U	U	U	U	0.0050 F	U

For notes, please refer to the end of the tables section.

Table 4-1
Groundwater and Surface Water Sampling Results (continued)

Location of Well			LF7MW-23														
Date of Collection	NYSDEC Class GA Groundwater Standards	Reporting Limit	12/16/2005	3/10/2006	9/13/2006	3/29/2007	9/25/2007	3/28/2008	9/17/2008	4/22/2009	3/31/2010	6/21/2011	6/24/2013				
Sample ID No.			LF7M2312LA	LF7M2312MA	LF7M2312NA	LF7M2312OA	LF7M2312PA	LF7M2312QA	LF7M2312RA	LF7M2312SA	LF7M2312TA	LF7M2312UA	LF7M2312VA				
Depth to Water (ft)			0.00	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.00	1.10	13.50				
VOCs (µg/L)																	
1,1,1-trichloroethane	5*	1	NA	NA	NS	NS	NS	NS	NS	NS	NS	NA	NA				
1,1-dichloroethene	5*	1	NA	NA	NS	NS	NS	NS	NS	NS	NS	NA	NA				
benzene	1	0.1	NA	NA	NS	NS	NS	NS	NS	NS	NS	NA	NA				
cis-1,2-dichloroethene	5*	1	U	U	NS	NS	NS	NS	NS	NS	NS	NA	NA				
methylene chloride	5*	1	NA	NA	NS	NS	NS	NS	NS	NS	NS	NA	NA				
trichloroethene (TCE)	5*	1	U	U	NS	NS	NS	NS	NS	NS	NS	NA	NA				
toluene	5*	1	NA	NA	NS	NS	NS	NS	NS	NS	NS	NA	NA				
trans-1,2-dichloroethene	5*	1	U	U	NS	NS	NS	NS	NS	NS	NS	NA	NA				
Metals (µg/L) [Dissolved / Total] ¹																	
aluminum	2,000	200	166 F	460	45.8 F	906	62 F	320	U	1,400	U	56 F	1,100	U	300	NA	NA
antimony	3	50	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
arsenic	25	30	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
barium	1,000	50	19.5 F	22.6 F	19.2 F	22.8 F	21 F	22 F	28F	35F	22 F	22 F	33 F	24 F	27 F	NA	NA
beryllium	3	4	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
boron, Total	1,000	110	NA	27.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cadmium	5	5	U	U	U	U	0.83 F	0.76 F	U	U	U	U	U	U	U	NA	NA
calcium	--	1,100	22,000	23,500	22,100	23,900	25,000	25,000	31,000	35,000	32,000	31,000	38,000	37,000	43,000	NA	NA
chromium	50	10	U	1.8 F	U	3.78 F	4.0 F	4.2 F	U	4F	U	U	15.0	U	U	NA	NA
cobalt	--	60	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
copper	200	10	1.7 F	U	U	2.95 F	U	U	U	3.9F	U	U	4.6 F	U	U	NA	NA
iron	300	200	283	635	21.1 F	1,510	19 F	510	160F	2,300	90 F	180 F	2,500	390	1,700	NA	NA
lead	25	25	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
magnesium	35,000	1,000	6,210	7,020	6,200	6,890	7,100	7,200	7,800	9,100	7,900	7,600	7,900	8,200	9,000	NA	NA
manganese	300	10	34.6	39.3	21.9	51	23	42	120	180	43	45	180	62	81	NA	NA
molybdenum	--	15	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
nickel	100	20	U	U	U	2.16 F	U	U	U	3.1	U	U	8.9 F	U	U	NA	NA
potassium	--	1,000	2,120	2,060	2,060	2,360	2,100	2,100	2,200	2,700	1,800	1,800	2,000	1,500	1,800	NA	NA
selenium	--	30	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
silver	50	10	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
sodium	20,000	1,000	10,000	10,900	9,660	9,960	11,000	11,000	9,000	9,300	11,000	10,000	9,300 B	8,200	9,200	NA	NA
thallium	0.5	80	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
vanadium	--	10	U	U	U	1.68 F	U	U	U	2.6F	U	U	3.5 F	U	U	NA	NA
zinc	2,000	20	12.6 F	14.9 F	15.3 F	47.7 B	U	25	22.0	53	12 F	12 F	62 B	15 F	10 F	NA	NA
mercury	0.7	1	NA	U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	U	NA	NA
Leachate Indicators (mg/L)																	
alkalinity, Total	--	10	89.3	89.5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	230	89
ammonia	2	0.2	0.34	0.34	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.093 F	0.37
BOD5	--	2.4	U	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	1.8 J
bromide	2	0.5	U	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	0.12 J
COD	--	5	U	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5.3 F	10 J
chloride	250	1	2.2	2.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	9.4	13
color	15	5	NA	5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	35	U
cyanide, Total	200	0.02	NA	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	U
fluoride	1.5	1	NA	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	0.074 J
hardness, Total	--	1	76.1	75.1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	240	95
nitrate	10	1	U	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	U
TKN	1	1	0.39 B	0.37	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.41 F	0.49 J
sulfate	250	1	17.4	18	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	22	19
TDS	500	10	135	132	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	280	140
TOC	--	1	U	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.1	0.68 JB
phenolics, Total	--	0.005	U	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	U

For notes, please refer to the end of the tables section.

Table 4-1
Groundwater and Surface Water Sampling Results (continued)

Location of Well			LF7MW-26											
			2/7/2003	6/17/2003	9/9/2003	12/3/2003	3/24/2004	6/23/2004	9/14/2004	12/8/2004	3/30/2005	6/21/2005	9/6/2005	12/15/2005
Sample ID No.	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF7MW2612AA	LF7MW2612BB	LF7M2613CA	LF7M2612DA	LF7M2612EA	LF7M2612FA	LF7M2613GA	LF7M2612HA	LF7M2612IA	LF7M2613JA	LF7M2614KA	LF7M2613LA
Depth to Water (ft)			12.10	12.17	13.16	11.70	11.50	12.39	12.75	12.17	11.73	13.15	14.22	12.68
VOCs (µg/L)														
1,1,1-trichloroethane	5*	1	U	U	U	U	U	NA	NA	NA	U	NA	NA	NA
1,1-dichloroethene	5*	1	U	U	U	U	U	NA	NA	NA	U	NA	NA	NA
benzene	1	0.1	U	U	U	U	U	NA	NA	NA	U	NA	NA	NA
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	U	U	U	U	U	NA	NA	NA	U	NA	NA	NA
trichloroethene (TCE)	5*	1	2.41	3	1.3	0.42 F	1.8	1.9	0.76 F	0.73 F	1.3	2.2	1.6	0.72 F
toluene	5*	1	0.08 F	U	U	U	U	NA	NA	NA	U	NA	NA	NA
trans-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U
Metals (µg/L) [Dissolved / Total]¹														
aluminum	2,000	200	12,441.8	1,850	218	4,180	8,020	2,590	5,380	3,620	1,180	2,650	2,580	2,520
antimony	3	50	U	U	U	U	U	U	U	U	U	U	U	U
arsenic	25	30	U	U	U	U	U	U	U	U	U	3.1 F	U	U
barium	1,000	50	77.3	35.6 F	18.3 F	30.8 F	47.7 F	29.3 F	34.5 F	36.5 F	25.7 F	25.4 F	31.1 F	38.4 F
beryllium	3	4	0.65 F	U	U	0.3 F	0.5 F	U	U	U	U	U	U	U
boron, Total	1,000	110	U	75.4 B	NA	NA	19.5	NA	NA	NA	27.6	NA	NA	NA
cadmium	5	5	U	U	U	U	U	U	U	U	U	U	U	U
calcium	--	1,100	122,758.4	123,000	84,000	70,100	84,600	94,800	71,500	111,000	103,000	77,200	94,400	126,000
chromium	50	10	17.8	3.0 F	U	6.2 F	11.5	4.7 F	7.7 F	5.2 F	2.6 F	3.7 F	6.6 F	48.9
cobalt	--	60	6.2 F	U	U	U	2.7 F	1.6 F	1.5 F	U	U	1.4 F	1.3 F	1.1 F
copper	200	10	44.7	6.1 F	U	7.4 F	16.7	6.3 F	11.2	6.6 F	4 F	4.6 F	6.6 F	8.9 F
iron	300	200	23,658.7	2,860	193 F	4,250	7,910	2,580	4,860	2,900	1,100	2,260	2,290	2,060
lead	25	25	12.3 F	U	U	3.8 F	5.6 F	U	4.1 F	U	2.5 F	U	U	U
magnesium	35,000	1,000	19,330.4	14,000	10,400	9,550	11,500	11,500	9,700	12,900	11,400	9,180	10,400	13,400
manganese	300	10	1,751.5	1,200	661	456	1,050	1,180	1,050	1,100	635	836	2,130	1,330
molybdenum	--	15	4.3 F	U	U	U	U	U	U	U	U	U	U	U
nickel	100	20	13.6 F	3.8 F	U	4.8 F	9.1 F	4 F	6.1 F	4.5 F	2.3 F	5.8 F	10.4 F	50.4
potassium	--	1,000	3,621.7	2,230	1,700	2,230	3,260	2,170	2,310	2,270	1,690	1,640	1,810	2,360
selenium	--	30	U	U	U	U	U	U	U	U	U	U	U	U
silver	50	10	U	U	U	U	U	U	U	U	U	U	U	U
sodium	20,000	1,000	1,939.3	1,900	996 F	667 F	948 F	1,330	368 F	2,310	2,930	916 F	2,880	16,800
thallium	0.5	80	U	U	U	U	U	U	U	U	U	U	U	U
vanadium	--	10	19.4	3.8 F	U	5.9 F	11.8	3.5 F	6.6 F	4.1 F	1.9 F	3.4 F	3.3 F	3.1 F
zinc	2,000	20	55.7	U	U	18.4 F	19.1 F	13.5 F	14.1 F	8.1 F	5.2 F	5.4 F	7.7 F	7.3 F
mercury	0.7	1	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA
Leachate Indicators (mg/L)														
alkalinity, Total	--	10	304	252	228	215	225	234 B	47.3	239	283	293	296	239
ammonia	2	0.2	U	0.090	U	U	U	0.035 F	0.130	0.1	0.032 F	U	0.19	U
BOD5	--	2.4	U	U	U	U	U	U	U	U	U	U	U	3.4
bromide	2	0.5	U	U	U	U	U	U	U	U	U	U	U	U
COD	--	5	9.77	U	U	U	U	U	11.6	U	U	U	U	U
chloride	250	1	U	7.0	2.1	1.9	2.6	1.8	5.2	6.1	6.3	4.4	17.2	40.6
color	15	5	250 R	70	NA	NA	120	NA	NA	NA	160 J	NA	NA	NA
cyanide, Total	200	0.02	0.00179 F	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA
fluoride	1.5	1	0.0501 F	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
hardness, Total	--	1	364.75	372	224	380	320	280	225	348	312	236	300	450
nitrate	10	1	1.3269	U	2.3	1.5	1.4	1	1	1.7	1.7	0.48 F	0.93 F	0.54 F
TKN	1	1	U	0.46 B	U	U	0.23	0.44 B	0.48	U	0.39	0.28	0.55	1 B
sulfate	250	1	7.3051	122	5.8	5.3	4.6	5.2	7.4	10.1	6.2	4	5.6	7.2
TDS	500	10	314	614	287	246	242	225	289	370	297	245	361	369
TOC	--	1	2.57	U	U	1.2	1.7	U	0.93 F	1.4	1.9	2.8	1.8	0.69 F
phenolics, Total	--	0.005	U	U	U	U	U	U	U	0.0075 F	0.006 F	0.0040 F	U	U

For notes, please refer to the end of the tables section.

Table 4-1
Groundwater and Surface Water Sampling Results (continued)

Location of Well		NYSDEC Class GA Groundwater Standards	Reporting Limit	LF7MW-26														
Date of Collection	3/10/2006			9/12/2006	3/29/2007	9/24/2007	3/28/2008	9/16/2008	4/22/2009	3/25/2010	6/20/2011	6/20/2013						
Sample ID No.	LF7M2612MA			LF7M2612NA	LF7M2610OA	LF7M2614PA	LF7M2611QA	LF7M2613RA	LF7M2612SA	LF7M2612TA	LF7M2612UA	LF7M2612VA						
Depth to Water (ft)	11.75			13.32	10.17	13.95	10.70	13.39	11.57	11.91	11.74	12.41						
VOCs (µg/L)																		
1,1,1-trichloroethane	5*	1	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	
1,1-dichloroethene	5*	1	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	
benzene	1	0.1	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	
cis-1,2-dichloroethene	5*	1	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	
methylene chloride	5*	1	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	
trichloroethene (TCE)	5*	1	0.98 F	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	
toluene	5*	1	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	
trans-1,2-dichloroethene	5*	1	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA	
Metals (µg/L) [Dissolved / Total] ¹																		
aluminum	2,000	200	2,470	U	2,020	58 F	4,300	U	3,600	U	2,200	67 F	10,000	U	2,900	3,500	NA	NA
antimony	3	50	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
arsenic	25	30	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
barium	1,000	50	28.7 F	18.7 F	26 F	18 F	38 F	18 F	38 F	16 F	28 F	16 F	59	13 F	36 F	34 F	NA	NA
beryllium	3	4	U	U	U	U	U	U	U	U	0.11 F	U	4.6 F	U	U	U	NA	NA
boron, Total	1,000	110	22.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA
cadmium	5	5	U	U	U	0.61 F	0.53 F	U	U	U	U	U	U	U	U	U	NA	NA
calcium	--	1,100	88,600	96,000	84,400	92,000	90,000	99,000	96,000	89,000	96,000	82,000	88,000	70,000	93,000	89,000	NA	NA
chromium	50	10	13.7	U	49.1	4.5 F	52	1.7F	120	U	15	1.7 F	63	U	86	15	NA	NA
cobalt	--	60	1 F	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
copper	200	10	4.3 F	U	5.06 F	U	13	U	9.5F	U	7.2 F	U	17	U	9.6 F	4.5 F	NA	NA
iron	300	200	1,960	U	2,350	5.9 F	5,300	U	3,700	U	2,900	U	9,500	U	3,700	3,000	NA	NA
lead	25	25	U	U	U	U	U	U	U	U	U	8.2 F	U	U	U	U	NA	NA
magnesium	35,000	1,000	10,600	10,500	10,000	11,000	12,000	11,000	12,000	11,000	12,000	9,500	12,000	8,900	12,000	12,000	NA	NA
manganese	300	10	459	1,720 J	1,170	310	1,100	1,400	2,100	47	540	640	1,500	12	2,200	520	NA	NA
molybdenum	--	15	U	U	U	U	U	U	3.5F	U	U	U	U	U	U	U	NA	NA
nickel	100	20	7.1 F	12.9 F	12.6 F	10 F	25	3.7F	29	U	7.8 F	2.7 F	19 F	U	17 F	5.6 F	NA	NA
potassium	--	1,000	1,960	1,530	1,580	1,300	2,000	1,700	2,000	1,200	1,700	1,400	3,000	830 F	1,700	2,200	NA	NA
selenium	--	30	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
silver	50	10	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
sodium	20,000	1,000	5,060	15,400 J	8,430 J	7,100 J	5,400 J	4,000J	1,900J	10,000	11,000	10,000 B	7,000 B	4,000	12,000	5,800	NA	NA
thallium	0.5	80	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
vanadium	--	10	3.1 F	U	2.94 F	U	6.3 F	U	4.9F	U	3.5 F	U	13	U	5.3 F	5.6 F	NA	NA
zinc	2,000	20	7.4 F	30.2 B	35.9 B	U	15 F	40.0	49.0	11 F	17 F	13 F	30.0	11 F	21 B	21	NA	NA
mercury	0.7	1	U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Leachate Indicators (mg/L)																		
alkalinity, Total	--	10	285	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	310	240
ammonia	2	0.2	0.1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.46	0.13
BOD5	--	2.4	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	U
bromide	2	0.5	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	U
COD	--	5	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4.3 F	8.0 J
chloride	250	1	23.1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	8.5	4.0
color	15	5	20	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	15	U
cyanide, Total	200	0.02	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	U
fluoride	1.5	1	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.088 J	0.096 J
hardness, Total	--	1	242	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	350	280
nitrate	10	1	1.1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.090 F	0.33 J
TKN	1	1	0.39	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.79 F	0.48 J
sulfate	250	1	5.9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	3.3 F	2.8 J
TDS	500	10	311	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	360	270
TOC	--	1	1.2 B	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2.2	1.6 B
phenolics, Total	--	0.005	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	U

For notes, please refer to the end of the tables section.

Table 4-1
Groundwater and Surface Water Sampling Results (continued)

Location of Well			LF7MW-27											
			2/7/2003	6/18/2003	9/9/2003	12/3/2003	3/25/2004	6/23/2004	9/14/2004	12/8/2004	3/30/2005	6/21/2005	9/7/2005	12/15/2005
Sample ID No.	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF7MW2713AA	LF7MW2707BB	LF7M2713CA	LF7M2713DA	LF7M2713EA	LF7M2713FA	LF7M2713GA	LF7M2713HA	LF7M2713IA	LF7M2713JA	LF7M2713KA	LF7M2713LA
Depth to Water (ft)			6.29	6.59	7.91	5.82	6.12	7.44	7.74	6.86	5.75	8.39	10.83	7.65
VOCs (µg/L)														
1,1,1-trichloroethane	5*	1	U	U	U	U	U	NA	NA	NA	U	NA	NA	NA
1,1-dichloroethene	5*	1	U	U	U	U	UM	NA	NA	NA	U	NA	NA	NA
benzene	1	0.1	U	U	U	U	UM	NA	NA	NA	U	NA	NA	NA
cis-1,2-dichloroethene	5*	1	U	U	U	U	UM	U	U	U	U	U	U	U
methylene chloride	5*	1	U	U	U	U	UM	NA	NA	NA	U	NA	NA	NA
trichloroethene (TCE)	5*	1	0.69 F	0.47 F♦	1.1	0.84 F	0.53 M	0.69 F	0.94 F	0.64 F	U	0.77 F	0.83 F	0.68 F
toluene	5*	1	0.29 F	U	U	U	UM	NA	NA	NA	U	NA	NA	NA
trans-1,2-dichloroethene	5*	1	U	U	U	U	UM	U	U	U	U	U	U	U
Metals (µg/L) [Dissolved / Total]¹														
aluminum	2,000	200	34.5 F	58.7 F	62.4 F	246	U	U	69.7 F	U	77.8 F	U	101 F	36.4 F
antimony	3	50	U	U	U	U	U	U	U	U	U	U	U	U
arsenic	25	30	U	U	U	U	U	U	U	U	U	U	U	U
barium	1,000	50	18.0 F	18.4 F♦	18.4 F	17.9 F	17.5 F	16.6 F	18.2 F	16.6 F	20 F	16.1 F	16.9 F	15.7 F
beryllium	3	4	U	U	U	U	U	U	U	U	U	U	U	U
boron, Total	1,000	110	U	56 ♦	NA	NA	11.7	NA	NA	NA	11.2	NA	NA	NA
cadmium	5	5	U	U	U	U	U	U	U	U	U	U	U	U
calcium	--	1,100	81,375.5	75,900 ♦	75,800.0	74,500	74,600	74,500	76,200	76,900	57,200	72,600	77,200	77,100
chromium	50	10	2.0 F	1.7 F	U	1.9 F	U	0.9 F	0.9 F	U	1 F	U	U	0.9 F
cobalt	--	60	U	U	U	U	U	U	U	U	U	U	U	U
copper	200	10	1.9 F	U	U	U	U	U	3 F	U	2.2 F	U	U	U
iron	300	200	72.4 F	38.8 F	44.8 F	273 M	62.6 F	U	80.2 F	U	89.2 F	U	124 F	43.4
lead	25	25	U	U	U	U	U	U	U	U	U	U	U	U
magnesium	35,000	1,000	10,190.9	9,120	8,840	9,060	9,080	8,580	9,110	8,890	6,470	8,560	8,910	9,310
manganese	300	10	13	8.4 F	7.4 F	43.4	1.7 F	1.1 F	8.3 F	0.7 F	7.3 F	2.2 F	11.1	3.2 F
molybdenum	--	15	3.1 F	U	U	U	U	U	U	U	U	U	U	U
nickel	100	20	U	9.3 F	6.0 F	21.6	2.6 F	9.4 F	11.3 F	6.2 F	5.2 F	14.8 F	13.9 F	14.1 F
potassium	--	1,000	1,575.2	2,140	2,490	2,360	1,950	2,150	2,470	2,060	2,730	2,070	2,130	1,890
selenium	--	30	6.7 F	U	U	U	U	U	U	U	U	U	U	U
silver	50	10	U	U	U	U	U	U	U	U	U	U	U	U
sodium	20,000	1,000	6,648.1	5,420 ♦	5,910	6,290	5,990	5,890	5,630	4,080	3,960	4,220	3,590	3,550
thallium	0.5	80	U	U	U	U	U	U	U	U	U	U	U	U
vanadium	--	10	U	U	U	U	U	U	U	U	U	U	U	U
zinc	2,000	20	7.3 F	U	U	3.1 F	U	U	U	U	U	U	U	2.8 F
mercury	0.7	1	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA
Leachate Indicators (mg/L)														
alkalinity, Total	--	10	234	220 ♦	210	219	217 M	177 B	224	246	172	233	230	230
ammonia	2	0.2	U	U	U	U	U	U	U	0.027 F	U	U	U	U
BOD5	--	2.4	U	U	U	U	U	U	U	U	U	U	U	U
bromide	2	0.5	U	U	U	U	U	U	U	UM	U	U	U	U
COD	--	5	U	U	U	UM	U	3.7 UM	U	U	U	5.3 F	U	U
chloride	250	1	3,7045	2	2.8	3.1 M	2.5	1.9	2	1.6 M	1.1	1.6	1.6	1.8
color	15	5	5 R	0	NA	NA	U	NA	NA	NA	10 J	NA	NA	NA
cyanide, Total	200	0.02	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA
fluoride	1.5	1	U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
hardness, Total	--	1	243.16	297	216	250	220	208	235	248	166	240	251	159
nitrate	10	1	1.5298	1.4	2	2	1.9	1.8	1.4	1.2 M	0.21 F	1.2	0.99 F	0.98 F
TKN	1	1	U	U	U	UM	U	0.20 B	0.34	0.47	0.26	0.27	0.31	0.66 B
sulfate	250	1	11.5627	14.3	11	12	12.7	10.4	9.2	8.9 M	2.9	7.3	7.1	10
TDS	500	10	247	302	239	257	231	238	275	271	167	257	300	236
TOC	--	1	0.81 F	U	U	U	0.85 F	U	0.87 F	0.86 F	1.6	1	1.8	U
phenolics, Total	--	0.005	U	U	U	UM	U	U	U	0.0044 F	U	0.0050 F	U	U

For notes, please refer to the end of the tables section.

Table 4-1
Groundwater and Surface Water Sampling Results (continued)

Location of Well			LF7MW-27													
Date of Collection	NYSDEC Class GA Groundwater Standards	Reporting Limit	3/10/2006	9/13/2006	3/29/2007	9/25/2007	3/27/2008	9/16/2008	4/21/2009	3/25/2010	6/20/2011	6/20/2013				
Sample ID No.			LF7M2713MA	LF7M2713NA	LF7M2713OA	LF7M2713PA	LF7M2713QA	LF7M2713RA	LF7M2713SA	LF7M2713TA	LF7M2713UA	LF7M2713VA				
Depth to Water (ft)			6.57	8.67	4.99	9.28	5.56	8.90	6.62	7.01	6.56	7.13				
VOCs (µg/L)																
1,1,1-trichloroethane	5*	1	NA	NS	NS	NS	NS	NS	NS	NS	NA	NA				
1,1-dichloroethene	5*	1	NA	NS	NS	NS	NS	NS	NS	NS	NA	NA				
benzene	1	0.1	NA	NS	NS	NS	NS	NS	NS	NS	NA	NA				
cis-1,2-dichloroethene	5*	1	U	NS	NS	NS	NS	NS	NS	NS	NA	NA				
methylene chloride	5*	1	NA	NS	NS	NS	NS	NS	NS	NS	NA	NA				
trichloroethene (TCE)	5*	1	0.48 F	NS	NS	NS	NS	NS	NS	NS	NA	NA				
toluene	5*	1	NA	NS	NS	NS	NS	NS	NS	NS	NA	NA				
trans-1,2-dichloroethene	5*	1	U	NS	NS	NS	NS	NS	NS	NS	NA	NA				
Metals (µg/L) [Dissolved / Total] ¹																
aluminum	2,000	200	U	50.2 F	96.4 F	62 F	160 F	U	170F	U	190 F	400 B♦	U	160 F♦	NA	NA
antimony	3	50	U	U	U	U	U	U	U	U	1.7 F	U	U	U	NA	NA
arsenic	25	30	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
barium	1,000	50	15 F	15.9 F	15.4 F	19 F	20 F	16F	17F	14 F	15 F	17 F♦	14 F	14 F	NA	NA
beryllium	3	4	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
boron, Total	1,000	110	8.9 F	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cadmium	5	5	U	U	U	0.67 F	0.49 F	U	U	U	U	U	U	U	NA	NA
calcium	--	1,100	81,600	70,700	70,500	65,000	68,000	70,000	73,000	74,000	76,000	76,000♦	73,000	73,000	NA	NA
chromium	50	10	1.3 F	1.47 F	2.11 F	4.1 F	4.3 F	1.9F	3.4F	U	3.6 F	3.3 F♦	U	U	NA	NA
cobalt	--	60	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
copper	200	10	U	U	U	U	U	U	U	U	U	2.9 F♦	U	U	NA	NA
iron	300	200	U	U	74.6 F	U	110 F	6.1F	150F	U	210	390♦	U	110 F♦	NA	NA
lead	25	25	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
magnesium	35,000	1,000	9,350	8,250	8,100	7,200	7,500	8,400	8,900	9,100	9,400	9,000 B	8,900	9,000	NA	NA
manganese	300	10	0.6 F	U	5.3 F	U	6.5 F	U	12	U	16	32 J♦	U	7.0 F♦	NA	NA
molybdenum	--	15	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
nickel	100	20	13.3 F	17 F	13.9 F	2.6 F	4.0 F	25.0	29.0	30	40	38♦	24	29	NA	NA
potassium	--	1,000	1,610	1,920	1,910	3,000	3,100	2,200	2,300	1,700	1,800	2,000♦	1,400	1,800	NA	NA
selenium	--	30	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
silver	50	10	U	U	U	U	U	U	U	U	U	0.99 F♦	U	U	NA	NA
sodium	20,000	1,000	4,330	2,920	2,930	2,800	3,000	3,800	4,000	3,400	3,500	3,000 B♦	2,600	2,700	NA	NA
thallium	0.5	80	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
vanadium	--	10	U	U	U	U	U	U	U	U	U	1.2 F♦	U	U	NA	NA
zinc	2,000	20	U	16.7 F	23.3 B	U	U	26J	21J	11 F	11 F	14 F	13 F	6.0 F♦	NA	NA
mercury	0.7	1	U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Leachate Indicators (mg/L)																
alkalinity, Total	--	10	231	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	210	220	
ammonia	2	0.2	0.016 F	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.21 ♦	0.076 J ♦	
BOD5	--	2.4	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	U	
bromide	2	0.5	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	U	
COD	--	5	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	8.3 J	
chloride	250	1	1.3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.34 F	0.65 J	
color	15	5	3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	10	U	
cyanide, Total	200	0.02	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	U	
fluoride	1.5	1	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	0.062 J	
hardness, Total	--	1	214	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	200	230 ♦	
nitrate	10	1	1.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.36 F	0.6	
TKN	1	1	0.26	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.39 F♦	0.45 J ♦	
sulfate	250	1	10.5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5.5 ♦	7.6	
TDS	500	10	241	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	230 ♦	220	
TOC	--	1	0.56 F	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.78 F	0.94 JB	
phenolics, Total	--	0.005	UJ	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	U	

For notes, please refer to the end of the tables section.

Table 4-1
Groundwater and Surface Water Sampling Results (continued)

Location of Well			LF7MW-28											
			3/18/2003	6/17/2003	9/10/2003	12/4/2003	3/25/2004	6/24/2004	9/15/2004	12/9/2004	3/30/2005	6/21/2005	9/7/2005	12/15/2005
Sample ID No.	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF7MW2802AA	LF7MW2807BB	LF7M2806CA	LF7M2810DA	LF7M2806EA	LF7M2806FA	LF7M2810GA	LF7M2810HA	LF7M2810IA	LF7M2810JA	LF7M2810KA	LF7M2810LA
Depth to Water (ft)			2.15	3.32	1.31	0.42	0.00	0.44	0.67	0.00	0.00	1.00	1.07	0.64
VOCs (µg/L)														
1,1,1-trichloroethane	5*	1	U	U	U	U	U	NA	NA	NA	U	NA	NA	NA
1,1-dichloroethene	5*	1	U	U	U	U	U	NA	NA	NA	U	NA	NA	NA
benzene	1	0.1	U	U	U	U	U	NA	NA	NA	U	NA	NA	NA
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	U	U	U	U	U	NA	NA	NA	U	NA	NA	NA
trichloroethene (TCE)	5*	1	U	U	U	U	U	U	U	U	U	U	U	U
toluene	5*	1	0.08 F	U	U	U	U	NA	NA	NA	U	NA	NA	NA
trans-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U
Metals (µg/L) [Dissolved / Total]¹														
aluminum	2,000	200	128.9 F	62.4 F	480	695	347	U	149 F	232	143 F	800	222	125 F
antimony	3	50	U	U	U	U	U	U	U	U	U	U	U	U
arsenic	25	30	3.9 F	U	U	U	U	U	U	U	U	U	U	U
barium	1,000	50	15.9 F	17.7 F	25.1 F	24.9 F	14 F	50.2	22.5 F	19.4 F	18.1 F	26.4 F	28.3 F	21.9 F
beryllium	3	4	U	U	U	U	U	U	U	U	U	U	U	U
boron, Total	1,000	110	36.7 F	102 B	NA	NA	U	NA	NA	NA	27.4	NA	NA	NA
cadmium	5	5	U	U	U	U	U	U	U	U	U	U	U	U
calcium	--	1,100	71,228.7	64,400	62,300	54,700	44,300	85,900	62,700	56,400	50,900	55,300	75,800	63,300
chromium	50	10	1.0 F	1.4 F	U	1.4 F	1.5 F	U	U	U	U	1 F	U	U
cobalt	--	60	U	U	U	U	U	U	U	U	U	U	U	U
copper	200	10	2.0 F	U	2.4 F	2.8 F	U	5.2 F	U	U	1.7 F	2.2 F	U	2.3 F
iron	300	200	249.3	U	512	693	411	57.2 F	138 F	275	169 F	750	227	148 F
lead	25	25	U	U	U	U	U	U	U	U	U	U	U	U
magnesium	35,000	1,000	7,315.6	6,440	6,360	5,610	5,180	9,540	6,500	6,040	5,660	5,690	7,960	6,870
manganese	300	10	63.4	11	58	62.9	44.3	61	77	71.9	53.8	122	47.4	51.1
molybdenum	--	15	5.0 F	U	U	U	U	U	U	U	U	U	U	U
nickel	100	20	U	U	U	U	U	U	U	1.6 F	U	3.4 F	U	U
potassium	--	1,000	2,332	2,820	3,330	2,540	1,780	3,700	3,280	2,900	2,350	3,430	3,070	2,160
selenium	--	30	7.1 F	U	U	U	U	U	U	U	U	U	U	U
silver	50	10	U	U	U	U	U	U	U	U	U	U	U	U
sodium	20,000	1,000	851.5 F	917 F	950	1,100	616 F	1,300	1,190	536 F	507 F	370	943 F	430 F
thallium	0.5	80	8.2 F	U	U	U	U	U	U	U	U	U	U	U
vanadium	--	10	1.6 F	U	U	U	U	U	U	U	U	U	U	U
zinc	2,000	20	5.8 F	U	U	50.7	8.4 F	19.5 F	11.6 F	15.1 F	11.8 F	16.2	11 F	13 F
mercury	0.7	1	U	U	NA	NA	U	NA	NA	NA	NA	NA	NA	NA
Leachate Indicators (mg/L)														
alkalinity, Total	--	10	213	189	179	159	140	210	184	168	146	168	206	220
ammonia	2	0.2	U	U	0.086	U	U	U	0.065	0.027 F	U	U	U	U
BOD5	--	2.4	7	U	U	U	U	U	U	U	U	U	U	U
bromide	2	0.5	U	U	U	U	U	U	U	U	U	U	U	U
COD	--	5	U	U	U	U	U	8.1 F	U	U	U	U	U	3.4 F
chloride	250	1	0.7607	U	U	U	1.8	0.86 F	0.75 F	39.6	0.49 F	U	0.95 F	0.63 F
color	15	5	U	0	NA	NA	U	NA	NA	NA	2.5 J	NA	NA	NA
cyanide, Total	200	0.02	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA
fluoride	1.5	1	0.07 F	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
hardness, Total	--	1	235.7	U	195	240	164	252	195	172	U	192	223	136
nitrate	10	1	0.2659	U	2.2	U	U	0.034 F	0.09 F	0.56 F	0.17 F	0.14 F	0.67 F	0.12 F
TKN	1	1	0.73	0.25 B	U	U	0.11 F	0.37 B	0.084 F	U	0.6	0.17 F	0.4	0.29 B
sulfate	250	1	5.285	9.2	5.1	3.8	17.8	5.4	6	20.5	3	3.6	20.8	6.7
TDS	500	10	206	215	203	174	127	212	156	152	144	190	309	242
TOC	--	1	1.36	U	U	U	0.55 F	U	0.81 F	0.9 F	0.82 F	0.91	1.4	U
phenolics, Total	--	0.005	0.00408 F	U	U	U	0.0065 F	0.012	U	U	U	0.0040 F	U	U

For notes, please refer to the end of the tables section.

Table 4-1
Groundwater and Surface Water Sampling Results (continued)

Location of Well			LF7MW-28														
Date of Collection	NYSDEC Class GA Groundwater Standards	Reporting Limit	3/10/2006	9/13/2006	3/29/2007	9/25/2007	3/28/2008	9/17/2008	4/22/2009	4/1/2010	6/20/2011	6/24/2013					
Sample ID No.			LF7M2810MA	LF7M2810NA	LF7M2810OA	LF7M2810PA	LF7M2810QA	LF7M2810RA	LF7M2810SA	LF7M2810TA	LF7M2810SA	LF7M2805VA					
Depth to Water (ft)			0.00	0.30	0.00	1.48	0.00	0.80	0.33	0.00	NS	1.31					
VOCs (µg/L)																	
1,1,1-trichloroethane	5*	1	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA				
1,1-dichloroethene	5*	1	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA				
benzene	1	0.1	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA				
cis-1,2-dichloroethene	5*	1	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA				
methylene chloride	5*	1	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA				
trichloroethene (TCE)	5*	1	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA				
toluene	5*	1	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA				
trans-1,2-dichloroethene	5*	1	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA				
Metals (µg/L) [Dissolved / Total] ¹																	
aluminum	2,000	200	199 F	43.7 F	722	U	270	U	250	U	230	240 B	77 F	1,700	NS	NA	
antimony	3	50	U	U	U	U	U	U	U	1.9 F	U	U	U	U	NS	NA	
arsenic	25	30	U	U	U	U	U	U	U	U	U	U	U	U	NS	NA	
barium	1,000	50	22.5 F	52.4	67.8	19 F	21 F	26 F	28 F	14 F	19 F	64	30 F	47 F	NS	NA	
beryllium	3	4	U	U	U	U	U	U	U	U	U	0.39 F	U	U	NS	NA	
boron, Total	1,000	110	34.5	NA	NA	NA	NA	NA	NA	NA	NA	U	NA	NA	NS	NA	
cadmium	5	5	U	U	U	U	0.53 F	U	U	U	U	NA	U	U	NS	NA	
calcium	--	1,100	69,600	76,900	84,600	53,000	54,000	63,000	62,000	63,000	65,000	71,000	71,000	98,000	NS	NA	
chromium	50	10	1.5 F	U	6.25 F	U	4.8 F	U	2.8 F	U	1.9 F	11	U	31	NS	NA	
cobalt	--	60	U	U	U	U	U	U	U	U	U	U	U	U	NS	NA	
copper	200	10	U	U	4.06 F	U	U	U	U	U	U	2.7 F	U	5.1 F	NS	NA	
iron	300	200	290	U	970	U	290	6.8F	280	U	360	440	270	3,100	NS	NA	
lead	25	25	U	U	U	U	U	U	U	U	U	U	U	U	NS	NA	
magnesium	35,000	1,000	7,370	8,110	8,690	6,000	6,000	7,400	7,200	7,500	7,700	7,800	7,800	12,000	NS	NA	
manganese	300	10	61.7	2.99 F	345	U	98	U	140	U	140	150	170	520	NS	NA	
molybdenum	--	15	U	4.55 F	U	U	U	U	U	U	U	U	U	U	NS	NA	
nickel	100	20	U	2.48 F	6.29 F	U	2.1 F	1.3 F	2.5 F	U	2.4 F	11 F	U	19 F	NS	NA	
potassium	--	1,000	2,250	3,420	3,650	1,800	1,900	2,300	2,200	1,800	1,800	2,500	1,700	2,600	NS	NA	
selenium	--	30	U	U	U	U	U	U	U	U	U	U	U	U	NS	NA	
silver	50	10	U	U	U	U	U	U	U	U	U	U	U	U	NS	NA	
sodium	20,000	1,000	889 F	1,380	1,520	720 F	750 F	810 F	780 F	1,600	1,600	4,900 B	8,100	5,900	NS	NA	
thallium	0.5	80	U	U	U	U	U	U	U	U	U	U	U	U	NS	NA	
vanadium	--	10	U	U	1.26 F	U	U	U	U	U	U	1.2 F	U	3.4 F	NS	NA	
zinc	2,000	20	12.8 F	56.1 B	76.9 B	U	17 F	36.0	63.0	14 F	26	30 B	29 B	47	NS	NA	
mercury	0.7	1	U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	U	NS	NA	
Leachate Indicators (mg/L)																	
alkalinity, Total	--	10	190	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	440	
ammonia	2	0.2	0.013 F	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.059 J	
BOD5	--	2.4	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2.8 B	
bromide	2	0.5	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	
COD	--	5	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	9.0 J	
chloride	250	1	0.19 F	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4.8	
color	15	5	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	
cyanide, Total	200	0.02	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	
fluoride	1.5	1	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	
hardness, Total	--	1	176	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	330	
nitrate	10	1	0.097 F	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.097 J	
TKN	1	1	0.25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.55 J	
sulfate	250	1	4.3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4.2 J	
TDS	500	10	190	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	360	
TOC	--	1	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2.4 B	
phenolics, Total	--	0.005	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	

For notes, please refer to the end of the tables section.

Table 4-1
Groundwater and Surface Water Sampling Results (continued)

Location of Well			LF7MW-29											
			2/6/2003	6/17/2003	9/9/2003	12/3/2003	3/25/2004	6/23/2004	9/14/2004	12/8/2004	3/30/2005	6/21/2005	9/6/2005	12/14/2005
Sample ID No.	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF7MW2923AA	LF7MW2920BB	LF7M2923CA	LF7M2923DA	LF7M2923EA	LF7M2923FA	LF7M2923GA	LF7M2923HA	LF7M2923IA	LF7M2923JA	LF7M2923KA	LF7M2923LA
Depth to Water (ft)			17.71	16.17	17.21	16.59	16.57	16.45	17.40	18.17	17.25	17.28	19.21	18.37
VOCs (µg/L)														
1,1,1-trichloroethane	5*	1	U	U	U	U	U	NA	NA	NA	U	NA	NA	NA
1,1-dichloroethene	5*	1	U	U	U	U	U	NA	NA	NA	U	NA	NA	NA
benzene	1	0.1	U	U	U	U	U	NA	NA	NA	U	NA	NA	NA
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	U	U	U	U	U	NA	NA	NA	U	NA	NA	NA
trichloroethene (TCE)	5*	1	U	U	U	U	U	U	U	U	U	U	U	U
toluene	5*	1	0.16 F	U	U	U	U	NA	NA	NA	U	NA	NA	NA
trans-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U
Metals (µg/L) [Dissolved / Total]¹														
aluminum	2,000	200	22.5 F	43.5 F	U	31.8 F	54.4 F	U	U	U	U	U	60.5 F	U
antimony	3	50	U	U	U	U	U	U	U	U	U	U	U	U
arsenic	25	30	U	U	U	U	U	U	U	U	U	U	U	U
barium	1,000	50	4.8 F	5.8 F	4.3 F	5.3 F	5.6 F	5.3 F	4.3 F	3.5 F	3.9 F	3.5 F	3.1 F	35.4 F
beryllium	3	4	U	U	U	U	U	U	U	U	U	U	U	U
boron, Total	1,000	110	U	48.9 B	NA	NA	4.9 F	NA	NA	NA	5.7 F	NA	NA	NA
cadmium	5	5	U	U	U	U	U	U	U	U	U	U	0.9 F	U
calcium	--	1,100	4,498.5	3,060	4,000	3,600	3,240	3,290	3,920	4,030	3,620	3,120	4,110	112,000
chromium	50	10	0.9 F	U	U	U	U	U	U	U	U	U	U	8.9 F
cobalt	--	60	U	U	U	U	U	U	U	U	U	U	U	U
copper	200	10	U	U	U	U	U	U	2.4 F	U	U	U	1.9 F	1.6 F
iron	300	200	32.8 F	U	U	U	70.4 F	50.9 F	U	U	24.7 F	U	U	46 F
lead	25	25	U	U	U	U	U	U	U	U	U	U	U	U
magnesium	35,000	1,000	1,224.9	773 F	1,040.0	938 F	842 F	835 F	1,040.0	1,040	954 F	850	1,000	14,000
manganese	300	10	5.9 F	3.3 F	2.9 F	3.4 F	4.7 F	2.5 F	2.2 F	1.2 F	1.3 F	0.90 F	6.6 F	379
molybdenum	--	15	U	U	U	U	U	U	U	U	U	U	U	U
nickel	100	20	U	U	U	U	U	U	U	U	U	2.4 F	U	1.8 F
potassium	--	1,000	210.2 F	446 F	612 F	558 F	445 F	447 F	570 F	585 F	476 F	430 F	544 F	1,570
selenium	--	30	U	U	U	U	U	U	U	U	U	U	U	U
silver	50	10	U	U	U	U	U	U	U	U	U	U	U	U
sodium	20,000	1,000	2,229.1	1,490	1,680	1,750	1,530	1,480	1,720	1,800	1,680	1,100	1,750	59,800
thallium	0.5	80	U	U	U	U	U	U	U	U	U	U	U	U
vanadium	--	10	U	U	U	U	U	U	U	U	U	U	U	U
zinc	2,000	20	5.7 F	U	U	3.5 F	U	U	U	U	U	U	9.9 F	3.5 F
mercury	0.7	1	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA
Leachate Indicators (mg/L)														
alkalinity, Total	--	10	13	U	U	U	6.7 F	313 B	7.2 F	9.2 F	5.2 F	7.7 F	10	10.4
ammonia	2	0.2	U	U	U	U	U	0.023 F	0.011 F	U	U	0.76	0.012 F	U
BOD5	--	2.4	U	U	U	U	U	U	U	U	U	U	U	U
bromide	2	0.5	U	U	U	U	U	U	U	U	U	U	U	U
COD	--	5	5.43	U	U	U	U	U	11.9	U	U	U	U	U
chloride	250	1	1.5687	1.1	1.5	1.7	2.5	1.4	1.5	1.5	1.3	1.2	1.8	80.9
color	15	5	U	0	NA	NA	U	NA	NA	NA	12 J	NA	NA	NA
cyanide, Total	200	0.02	0.00183 F	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA
fluoride	1.5	1	0.0397 F	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
hardness, Total	--	1	19.61	U	28	68	16	48	30	24	18	36	8	321
nitrate	10	1	0.2163	U	U	U	1.9	0.029 F	U	U	U	U	0.03 F	0.33 F
TKN	1	1	U	0.25 B	U	U	U	0.24 B	0.42	0.25	0.8	0.098 F	U	0.076 F
sulfate	250	1	7.7013	7.2	7.3	7.5	12.7	7.2	7.3	7.2	7.4	7.1	7.2	32
TDS	500	10	10.0 SU	40	21	33	221	17 F	27	46	27	47	30	95
TOC	--	1	0.59 SU	U	U	U	U	U	U	U	U	U	U	U
phenolics, Total	--	0.005	U	U	U	U	U	U	U	0.0062 F	U	0.01	U	U

For notes, please refer to the end of the tables section.

Table 4-1
Groundwater and Surface Water Sampling Results (continued)

Location of Well			LF7MW-29													
Date of Collection	NYSDEC Class GA Groundwater Standards	Reporting Limit	3/10/2006	9/12/2006	3/28/2007	9/24/2007	3/27/2008	9/16/2008	4/17/2009	3/25/2010	6/20/2011	6/20/2013				
Sample ID No.			LF7M2923MA	LF7M2923NA	LF7M2923OA	LF7M2923PA	LF7M2923QA	LF7M2923RA	LF7M2923SA	LF7M2923TA	LF7M2923UA	LF7M2923VA				
Depth to Water (ft)			16.52	17.48	15.30	18.50	14.14	18.04	14.96	17.95	14.37	16.68				
VOCs (µg/L)																
1,1,1-trichloroethane	5*	1	NA	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA			
1,1-dichloroethene	5*	1	NA	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA			
benzene	1	0.1	NA	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA			
cis-1,2-dichloroethene	5*	1	U	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA			
methylene chloride	5*	1	NA	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA			
trichloroethene (TCE)	5*	1	U	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA			
toluene	5*	1	NA	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA			
trans-1,2-dichloroethene	5*	1	U	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA			
Metals (µg/L) [Dissolved / Total] ¹																
aluminum	2,000	200	29.6 F	U	77 F	77 F	180 F	U	180 F	53 F	60 F	260 B	U	190 F	NA	NA
antimony	3	50	U	U	U	U	U	U	U	U	1.7 F	U	U	U	NA	NA
arsenic	25	30	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
barium	1,000	50	5.8 F	3.28 F	4.1 F	12 F	13 F	5.7F	6.5F	29 F	29 F	11 F	21 F	4.4 F	NA	NA
beryllium	3	4	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
boron, Total	1,000	110	3.6 F	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cadmium	5	5	U	U	U	1.0 F	1.5 F	U	U	U	U	U	U	U	NA	NA
calcium	--	1,100	3,150	3,520 B	3,580 B	2,800	2,900	3,900	4,200	2,300	2,200	4,000 B	2,100	4,100	NA	NA
chromium	50	10	0.8 F	U	U	3.5 F	6.3 F	U	U	U	3.4 F	U	U	U	NA	NA
cobalt	--	60	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
copper	200	10	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
iron	300	200	29.8 F	U	33 F	7.6 F	110 F	39F	130F	U	23 F	160 F	U	76 F	NA	NA
lead	25	25	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
magnesium	35,000	1,000	862 F	924 F	940	730	780 F	1,000	1,100	380 F	390 F	1,100	510 F	1,100	NA	NA
manganese	300	10	3.2 F	2.89 F	2.18 F	4.4 F	9.2 F	U	4.9F	14	14	6.2 F	7.3 F	3.2 F	NA	NA
molybdenum	--	15	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
nickel	100	20	U	U	U	U	U	U	U	U	2.7 F	U	U	U	NA	NA
potassium	--	1,000	358	400 F	410 F	U	480 F	580F	590F	320 F	310 F	480 F	240 F	630 F	NA	NA
selenium	--	30	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
silver	50	10	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
sodium	20,000	1,000	1,830	1,480 B	1,450	1,400	1,300	1,800	1,800	1,500	1,800	1,700 B	1,200	2,000	NA	NA
thallium	0.5	80	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
vanadium	--	10	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA
zinc	2,000	20	3.2 F	18.3 F	26.5 B	U	U	30J	23J	15 F	14 F	23	14 F	14 F	NA	NA
mercury	0.7	1	U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Leachate Indicators (mg/L)																
alkalinity, Total	--	10	8.7 F	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2.2 F	6.7	
ammonia	2	0.2	0.023 F	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.17 F	0.029 J	
BOD5	--	2.4	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	U	
bromide	2	0.5	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	U	
COD	--	5	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	5.4 J	
chloride	250	1	1.1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.70 F	0.90 J	
color	15	5	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	U	
cyanide, Total	200	0.02	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	U	
fluoride	1.5	1	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	U	
hardness, Total	--	1	4.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	7.6	12	
nitrate	10	1	0.033 F	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	U	
TKN	1	1	0.22	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.27 F	0.24 J	
sulfate	250	1	6.9	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	6.6	5.7	
TDS	500	10	44	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	30	20	
TOC	--	1	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.60 F	0.60 JB	
phenolics, Total	--	0.005	0.045	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	U	

For notes, please refer to the end of the tables section.

Table 4-1
Groundwater and Surface Water Sampling Results (continued)

Location of Well			LF7MW-30											
			2/6/2003	6/17/2003	9/10/2003	12/3/2003	3/24/2004	6/23/2004	9/14/2004	12/9/2004	3/30/2005	6/21/2005	9/7/2005	12/14/2005
Sample ID No.	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF7MW3011AA	LF7MW3011BB	LF7M3007CA	LF7M3011DA	LF7M3008EA	LF7M3008FA	LF7M3004GA	LF7M3004HA	LF7M3004IA	LF7M3004JA	LF7M3004KA	LF7M3004LA
Depth to Water (ft)			2.99	3.49	3.82	3.02	2.90	3.40	3.64	3.11	2.94	3.88	4.32	3.61
VOCs (µg/L)														
1,1,1-trichloroethane	5*	1	0.17 F	U	U	U	U	NA	NA	NA	U	NA	NA	NA
1,1-dichloroethene	5*	1	U	U	U	U	U	NA	NA	NA	U	NA	NA	NA
benzene	1	0.1	U	U	U	U	U	NA	NA	NA	U	NA	NA	NA
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	U	U	U	U	U	NA	NA	NA	U	NA	NA	NA
trichloroethene (TCE)	5*	1	U	U	U	U	U	U	U	U	U	U	U	U
toluene	5*	1	0.20 F	U	U	U	U	NA	NA	NA	U	NA	NA	NA
trans-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U
Metals (µg/L) [Dissolved / Total]¹														
aluminum	2,000	200	55.2 F	108 F	40.2 F	U	32.6 F	U	U	U	U	U	U	167 F
antimony	3	50	U	U	U	U	U	U	U	U	U	U	U	U
arsenic	25	30	U	U	U	U	U	U	U	U	U	U	U	U
barium	1,000	50	23.6 F	29.4 F	31.3 F	22.5 F	30 F	28.8 F	31.2 F	32.1 F	33 F	32.3 F	32.8 F	4.3 F
beryllium	3	4	U	U	U	U	0.4 F	U	U	U	U	U	U	U
boron, Total	1,000	110	U	52.2 B	NA	NA	8.9 F	NA	NA	NA	9.2 F	NA	NA	NA
cadmium	5	5	U	U	U	U	U	U	U	U	U	U	U	U
calcium	--	1,100	93,405.9	97,600	96,300	96,800	114,000	113,000	118,000	125,000	134,000	123,000	89,300	4,210
chromium	50	10	4.5 F	88.1	7.7 F	5.6 F	510	214	38.3	2.4 F	53.8	5.4 F	1.7 F	2.1 F
cobalt	--	60	U	U	U	U	U	U	U	U	U	U	U	U
copper	200	10	U	3.5 F	U	U	16.4	6.3 F	3.9 F	U	2.8 F	U	U	2.9 F
iron	300	200	275.6	496	114 F	41.5 F	2,630	696	175 F	U	463	26.9 F	U	166 F
lead	25	25	U	U	U	U	U	U	U	U	U	U	U	U
magnesium	35,000	1,000	12,774.6	13,600	13,500	13,300	15,600	14,700	15,400	15,700	16,600	15,700	10,300	1,130
manganese	300	10	355.6	314	198	85.6	196	350	461	248	268	89.6	391	9.4 F
molybdenum	--	15	4.3 F	U	U	U	8.9 F	3.6 F	U	U	0.9 F	U	U	U
nickel	100	20	6.2 F	13.5 F	26.3	16.6 F	54	12.5 F	10.9 F	2.5 F	11.2 F	3.9 F	3 F	U
potassium	--	1,000	735.8 F	1,500	1,710	1,500	1,600	1,430	1,740	1,630	1,460	1,540	1,420	594 F
selenium	--	30	U	U	U	U	U	U	U	U	U	U	U	U
silver	50	10	U	U	U	U	U	U	U	U	U	U	U	U
sodium	20,000	1,000	4,621.1	12,300	14,700	5,110	34,300	14,600	23,700	24,300	24,400	37,100	52,800	1,690
thallium	0.5	80	U	U	U	U	U	U	U	U	U	U	U	U
vanadium	--	10	U	U	U	U	U	U	U	U	U	U	U	U
zinc	2,000	20	7.3 F	U	U	U	3.6 F	U	U	U	2.7 F	U	U	6.7 F
mercury	0.7	1	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA
Leachate Indicators (mg/L)														
alkalinity, Total	--	10	226	264	261	240	282	266 B	66.6 F	380	332	381	264	336
ammonia	2	0.2	U	U	0.072	U	U	U	U	U	U	0.12	0.17	U
BOD5	--	2.4	U	U	U	U	U	U	U	U	U	U	U	U
bromide	2	0.5	U	U	U	U	U	U	U	U	U	U	U	U
COD	--	5	U	U	U	U	U	7 F	52	14.8	U	U	U	U
chloride	250	1	41.5736	27.3	33.7	47.2	76.6	31.7	48.8	0.51 F	62.4	52.5	77.4	1.9
color	15	5	U	0	NA	NA	40	NA	NA	NA	UJ	NA	NA	NA
cyanide, Total	200	0.02	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA
fluoride	1.5	1	U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
hardness, Total	--	1	286.31	30.4	341	320	400	328	370	484	384	384	285	24.7
nitrate	10	1	1.0192	3.6	U	2.6	2.2	1.8	0.74 F	0.25 F	1.9	0.96 F	0.09 F	U
TKN	1	1	U	0.27 B	0.22	U	0.09 F	0.49 B	0.37	0.17 F	0.34	0.5	0.37	0.097 F
sulfate	250	1	10.4815	15.3	12.8	13.2	21.8	27.7	15.5	5	35.3	29.8	22.6	8.1
TDS	500	10	276	379	353	398	476	395	469	438	451	500	462	542
TOC	--	1	1.15	U	U	U	1.2	U	1.1	1.6	1.1	1.6	1.4	0.91 F
phenolics, Total	--	0.005	U	U	U	U	U	U	U	0.0069 F	U	0.0070 F	U	U

For notes, please refer to the end of the tables section.

Table 4-1
Groundwater and Surface Water Sampling Results (continued)

Location of Well			LF7MW-30													
Date of Collection	NYSDEC Class GA Groundwater Standards	Reporting Limit	3/10/2006	9/13/2006	3/29/2007	9/24/2007	3/27/2008	9/16/2008	4/17/2009	3/25/2010	6/20/2011	6/20/2013				
Sample ID No.			LF7M3004MA	LF7M3004NA	LF7M3004OA	LF7M3004PA	LF7M3001QA	LF7M3001RA	LF7M3004SA	LF7M3010TA	LF7M3010UA	LF7M3010VA				
Depth to Water (ft)			2.66	3.60	2.28	4.13	2.57	3.79	3.20	3.09	3.40	3.55				
VOCs (µg/L)																
1,1,1-trichloroethane	5*	1	NA	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA			
1,1-dichloroethene	5*	1	NA	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA			
benzene	1	0.1	NA	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA			
cis-1,2-dichloroethene	5*	1	U	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA			
methylene chloride	5*	1	NA	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA			
trichloroethene (TCE)	5*	1	U	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA			
toluene	5*	1	NA	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA			
trans-1,2-dichloroethene	5*	1	U	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA			
Metals (µg/L) [Dissolved / Total] ¹																
aluminum	2,000	200	U	U	U	48 F	66 F	U	U	U	U	150 F	NA	NA		
antimony	3	50	U	U	U	U	U	U	U	U	U	U	NA	NA		
arsenic	25	30	U	U	U	U	U	U	U	U	U	U	NA	NA		
barium	1,000	50	37.9 F	41.1 F	40.1 F	33 F	32 F	57	58	31 F	32 F	59	43 F	NA		
beryllium	3	4	U	U	U	U	U	U	U	U	U	U	NA	NA		
boron, Total	1,000	110	8.3 F	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
cadmium	5	5	U	U	U	U	U	U	U	U	U	U	NA	NA		
calcium	--	1,100	143,000	157,000	161,000	140,000	140,000	190,000	200,000	130,000	130,000	210,000	130,000	140,000		
chromium	50	10	8.7 F	2.7 F	4.76 F	4.8 F	14	3F	7.8F	2.3 F	8.5 F	4.7 F	18	43		
cobalt	--	60	U	U	U	U	U	U	U	U	U	U	U	NA		
copper	200	10	U	U	U	U	U	U	U	U	U	U	U	NA		
iron	300	200	70.4 F	U	13.1 F	6.7 F	49 F	U	29F	U	67 F	47 F	140 F	390		
lead	25	25	U	U	U	U	U	U	U	U	U	U	U	NA		
magnesium	35,000	1,000	19,600	20,600	21,000	18,000	18,000	23,000	24,000	19,000	19,000	28,000	19,000	23,000		
manganese	300	10	302	116	129	38	180	190	480	57	340	500	580	2,300		
molybdenum	--	15	U	U	U	U	U	U	U	U	U	U	U	NA		
nickel	100	20	1.9 F	U	U	U	1.7 F	2F	2.7F	U	1.2 F	1.7 F	2.9 F	6.0 F		
potassium	--	1,000	1,360	1,550	1,570	1,400	1,500	1,700	1,800	1,400	1,400	1,900	1,400	1,700		
selenium	--	30	U	U	U	U	U	U	U	U	U	U	U	NA		
silver	50	10	U	U	U	U	U	U	U	U	U	U	U	NA		
sodium	20,000	1,000	31,300	18,200	18,900	18,000	18,000	12,000	12,000	18,000	18,000	13,000	24,000	6,000		
thallium	0.5	80	U	U	U	U	U	U	U	U	U	U	U	NA		
vanadium	--	10	U	U	U	U	U	U	U	U	U	U	U	NA		
zinc	2,000	20	5.8 F	17 F	24.7 B	U	U	49J	22J	10 F	10 F	11 F	11 F	6.9 F		
mercury	0.7	1	U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Leachate Indicators (mg/L)																
alkalinity, Total	--	10	358	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	320		
ammonia	2	0.2	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.27		
BOD5	--	2.4	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U		
bromide	2	0.5	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U		
COD	--	5	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U		
chloride	250	1	51.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5.4		
color	15	5	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U		
cyanide, Total	200	0.02	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA		
fluoride	1.5	1	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U		
hardness, Total	--	1	381	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	380		
nitrate	10	1	1.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.4		
TKN	1	1	0.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.33 F		
sulfate	250	1	44.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	63		
TDS	500	10	482	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	440		
TOC	--	1	0.78 F	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1.5		
phenolics, Total	--	0.005	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA		

For notes, please refer to the end of the tables section.

Table 4-1
Groundwater and Surface Water Sampling Results (continued)

Location of Well			LF7MW-100											
			2/7/2003	6/18/2003	9/10/2003	12/4/2003	3/25/2004	6/24/2004	9/15/2004	12/9/2004	3/30/2005	6/22/2005	9/7/2005	12/15/2005
Date of Collection	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF7MW10046AA	LF7MW1004SBB	NS	LF7M10045DA	LF7M10045EA	LF7M10045FA	LF7M10045GA	LF7M10045HA	LF7M10045IA	NS	LF7M10044KA	LF7M10045LA
Sample ID No.														
Depth to Water (ft)			45.40	45.18	NS	44.85	44.75	44.85	44.93	45.00	44.95	44.93	44.85	44.85
VOCs (µg/L)														
1,1,1-trichloroethane	5*	1	U	U	NS	U	U	NA	NA	NA	U	NS	NA	NA
1,1-dichloroethene	5*	1	U	U	NS	U	U	NA	NA	NA	U	NS	NA	NA
benzene	1	0.1	0.56	U	NS	U	U	NA	NA	NA	U	NS	NA	NA
cis-1,2-dichloroethene	5*	1	U	U	NS	U	U	U	U	U	U	NS	U	U
methylene chloride	5*	1	U	U	NS	U	U	NA	NA	NA	U	NS	NA	NA
trichloroethene (TCE)	5*	1	U	U	NS	U	U	U	U	U	U	NS	U	U
toluene	5*	1	U	2.9	NS	U	U	NA	NA	NA	U	NS	NA	NA
trans-1,2-dichloroethene	5*	1	U	U	NS	U	U	U	U	U	U	NS	U	U
Metals (µg/L) [Dissolved / Total]¹														
aluminum	2,000	200	NA	NA	NS	NA	NA	NS	NA	NA	NA	NS	NS	NS
antimony	3	50	NA	NA	NS	NA	NA	NS	NA	NA	NA	NS	NS	NS
arsenic	25	30	NA	NA	NS	NA	NA	NS	NA	NA	NA	NS	NS	NS
barium	1,000	50	NA	NA	NS	NA	NA	NS	NA	NA	NA	NS	NS	NS
beryllium	3	4	NA	NA	NS	NA	NA	NS	NA	NA	NA	NS	NS	NS
boron, Total	1,000	110	NA	NA	NS	NA	NA	NS	NA	NA	NA	NS	NS	NS
cadmium	5	5	NA	NA	NS	NA	NA	NS	NA	NA	NA	NS	NS	NS
calcium	--	1,100	NA	NA	NS	NA	NA	NS	NA	NA	NA	NS	NS	NS
chromium	50	10	NA	NA	NS	NA	NA	NS	NA	NA	NA	NS	NS	NS
cobalt	--	60	NA	NA	NS	NA	NA	NS	NA	NA	NA	NS	NS	NS
copper	200	10	NA	NA	NS	NA	NA	NS	NA	NA	NA	NS	NS	NS
iron	300	200	NA	NA	NS	NA	NA	NS	NA	NA	NA	NS	NS	NS
lead	25	25	NA	NA	NS	NA	NA	NS	NA	NA	NA	NS	NS	NS
magnesium	35,000	1,000	NA	NA	NS	NA	NA	NS	NA	NA	NA	NS	NS	NS
manganese	300	10	NA	NA	NS	NA	NA	NS	NA	NA	NA	NS	NS	NS
molybdenum	--	15	NA	NA	NS	NA	NA	NS	NA	NA	NA	NS	NS	NS
nickel	100	20	NA	NA	NS	NA	NA	NS	NA	NA	NA	NS	NS	NS
potassium	--	1,000	NA	NA	NS	NA	NA	NS	NA	NA	NA	NS	NS	NS
selenium	--	30	NA	NA	NS	NA	NA	NS	NA	NA	NA	NS	NS	NS
silver	50	10	NA	NA	NS	NA	NA	NS	NA	NA	NA	NS	NS	NS
sodium	20,000	1,000	NA	NA	NS	NA	NA	NS	NA	NA	NA	NS	NS	NS
thallium	0.5	80	NA	NA	NS	NA	NA	NS	NA	NA	NA	NS	NS	NS
vanadium	--	10	NA	NA	NS	NA	NA	NS	NA	NA	NA	NS	NS	NS
zinc	2,000	20	NA	NA	NS	NA	NA	NS	NA	NA	NA	NS	NS	NS
mercury	0.7	1	NA	NA	NS	NA	NA	NS	NA	NA	NA	NS	NS	NS
Leachate Indicators (mg/L)														
alkalinity, Total	--	10	NA	NA	NS	NA	NA	NS	NA	NA	NA	NS	NS	NS
ammonia	2	0.2	NA	NA	NS	NA	NA	NS	NA	NA	NA	NS	NS	NS
BOD5	--	2.4	NA	NA	NS	NA	NA	NS	NA	NA	NA	NS	NS	NS
bromide	2	0.5	NA	NA	NS	NA	NA	NS	NA	NA	NA	NS	NS	NS
COD	--	5	NA	NA	NS	NA	NA	NS	NA	NA	NA	NS	NS	NS
chloride	250	1	NA	NA	NS	NA	NA	NS	NA	NA	NA	NS	NS	NS
color	15	5	NA	NA	NS	NA	NA	NS	NA	NA	NA	NS	NS	NS
cyanide, Total	200	0.02	NA	NA	NS	NA	NA	NS	NA	NA	NA	NS	NS	NS
fluoride	1.5	1	NA	NA	NS	NA	NA	NS	NA	NA	NA	NS	NS	NS
hardness, Total	--	1	NA	NA	NS	NA	NA	NS	NA	NA	NA	NS	NS	NS
nitrate	10	1	NA	NA	NS	NA	NA	NS	NA	NA	NA	NS	NS	NS
TKN	1	1	NA	NA	NS	NA	NA	NS	NA	NA	NA	NS	NS	NS
sulfate	250	1	NA	NA	NS	NA	NA	NS	NA	NA	NA	NS	NS	NS
TDS	500	10	NA	NA	NS	NA	NA	NS	NA	NA	NA	NS	NS	NS
TOC	--	1	NA	NA	NS	NA	NA	NS	NA	NA	NA	NS	NS	NS
phenolics, Total	--	0.005	NA	NA	NS	NA	NA	NS	NA	NA	NA	NS	NS	NS

For notes, please refer to the end of the tables section.

Table 4-1
Groundwater and Surface Water Sampling Results (continued)

Location of Well			LF7MW-100													
Date of Collection	NYSDEC Class GA Groundwater Standards	Reporting Limit	3/10/2006	9/13/2006	3/29/2007	9/24/2007	3/27/2008	9/16/2008	4/17/2009	3/25/2010	6/21/2011	6/25/2013				
Sample ID No.			LF7M10045MA	LF7M10045NA	LF7M10045OA	LF7M10044PA	LF7M10045QA	LF7M10045RA	LF7M10045SA	LF7M10044TA	LF7M10044UA	LF7M10044VA				
Depth to Water (ft)			44.70	44.59	44.59	44.65	44.68	44.81	44.53	45.45	44.28	43.60				
VOCs (µg/L)																
1,1,1-trichloroethane	5*	1	NA	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA			
1,1-dichloroethene	5*	1	NA	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA			
benzene	1	0.1	NA	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA			
cis-1,2-dichloroethene	5*	1	U	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA			
methylene chloride	5*	1	NA	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA			
trichloroethene (TCE)	5*	1	U	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA			
toluene	5*	1	NA	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA			
trans-1,2-dichloroethene	5*	1	U	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA			
Metals (µg/L) [Dissolved / Total] ¹																
aluminum	2,000	200	NS	NS	4,620	63 F	3,400	U	3,500	NS	4,100	8,400	8,800	5,500	NA	NA
antimony	3	50	NS	NS	U	U	U	U	U	NS	U	11 F	U	U	NA	NA
arsenic	25	30	NS	NS	U	U	U	U	U	NS	U	U	4.7 F	10 F	NA	NA
barium	1,000	50	NS	NS	51.9	36 F	53	35F	44F	NS	48 F	97	67	69	NA	NA
beryllium	3	4	NS	NS	U	U	U	U	U	NS	U	U	U	U	NA	NA
boron, Total	1,000	110	NS	NS	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA
cadmium	5	5	NS	NS	2.29 F	10 F	2.3 F	U	U	NS	2.8 F	0.67 F	4.8 F	U	NA	NA
calcium	--	1,100	NS	NS	57,000	55,000	55,000	47,000	48,000	NS	42,000	48,000	43,000	47,000	NA	NA
chromium	50	10	NS	NS	26.1	2.0 F	28	U	18	NS	11,000	4,300	20,000	21,000	NA	NA
cobalt	--	60	NS	NS	U	U	U	U	U	NS	46 F	U	72	34 F	NA	NA
copper	200	10	NS	NS	50.3	7.6 F	44	6.7F	31	NS	130	98	200	180	NA	NA
iron	300	200	NS	NS	1,600	U	1,400	U	920	NS	25,000	11,000	18,000	21,000	NA	NA
lead	25	25	NS	NS	U	U	U	U	U	NS	9.3 F	7.0 F	12 F	4.2 F	NA	NA
magnesium	35,000	1,000	NS	NS	13,900	13,000	14,000	12,000	12,000	NS	11,000	12,000	11,000	11,000	NA	NA
manganese	300	10	NS	NS	300	210	250	150	180	NS	670	240	1,400	680	NA	NA
molybdenum	--	15	NS	NS	16	17	17	16	17	NS	260	150	350	370	NA	NA
nickel	100	20	NS	NS	44.3	15 F	38	13F	31	NS	4,900	860	5,900	4,100	NA	NA
potassium	--	1,000	NS	NS	20,800	21,000	21,000	19,000	19,000	NS	19,000	18,000	19,000	20,000	NA	NA
selenium	--	30	NS	NS	4.39 F	4.2 F	5.0 F	U	3.2	NS	5.5 F	9.4 F	5.8 F	U	NA	NA
silver	50	10	NS	NS	U	U	U	U	U	NS	U	U	U	U	NA	NA
sodium	20,000	1,000	NS	NS	1,020,000	1,100,000	1,100,000	990,000	990,000	NS	990,000	950,000	1,000,000	910,000	NA	NA
thallium	0.5	80	NS	NS	U	U	1.7 F	U	U	NS	U	U	U	U	NA	NA
vanadium	--	10	NS	NS	2.42 F	U	U	U	1.5F	NS	43.0	22.0	61	76	NA	NA
zinc	2,000	20	NS	NS	401	26	61	30	110	NS	110	69	90 B	46	NA	NA
mercury	0.7	1	NS	NS	NA	NA	NA	NA	NA	NS	NA	NA	NA	NS	NA	NA
Leachate Indicators (mg/L)																
alkalinity, Total	--	10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	530	510
ammonia	2	0.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.56	NA
BOD5	--	2.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U	NA
bromide	2	0.5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2.5 F	2.4
COD	--	5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	84	NA
chloride	250	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	200	210
color	15	5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	25	NA
cyanide, Total	200	0.02	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA
fluoride	1.5	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.73 J	0.86 J
hardness, Total	--	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	180	NA
nitrate	10	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.78 F	1.0
TKN	1	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.18 F	NA
sulfate	250	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	500	450
TDS	500	10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	3,000	2,700
TOC	--	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	33	29
phenolics, Total	--	0.005	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA	NA

For notes, please refer to the end of the tables section.

Table 4-1
Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class A Surface Water Standards	Reporting Limit	LF7WL-3												
Date of Collection			2/7/2003	6/17/2003	9/10/2003	12/3/2003	3/24/2004	6/23/2004	9/14/2004	12/8/2004	3/30/2005	6/21/2005	9/7/2005	12/15/2005	3/10/2006
Sample ID No.			NS	LF7WL0300BB	LF7WL0301CA	NS	LF7WL0301EA	LF7WL0301FA	LF7WL0301GA	LF7WL0301HA	LF7WL0301IA	LF7WL0301JA	NS	LF7WL0301LA	LF7WL0301MA
Depth to Water (ft)			surface	surface	surface	NS	surface	surface	surface	surface	surface	surface	NS	surface	surface
VOCs in (µg/L)															
cis-1,2-dichloroethene	5	1	NS	U	U	NS	U	U	U	U	U	U	NS	U	U
trichloroethylene	5	1	NS	U	U	NS	U	U	U	U	U	U	NS	0.61 F	U
trans-1,2-dichloroethene	5	1	NS	U	U	NS	U	U	U	U	U	U	NS	U	U
vinyl chloride	0.3	1	NS	U	U	NS	U	U	U	U	U	U	NS	U	U
Metals (µg/L) [Dissolved / Total] ¹															
aluminum	100	200	NS	34.4 F	349	NS	U	U	222	U	U	1,860	NS	236	74.1 F
antimony	3	50	NS	U	U	NS	U	U	U	U	U	U	NS	U	U
arsenic	50	30	NS	U	52.9	NS	U	U	5.9 F	4.2 F	U	5 F	NS	5.5 F	U
barium	1,000	50	NS	188	234	NS	17.4 F	106	95.1	U	50.1	146	NS	59	30.2 F
beryllium	3	4	NS	U	0.3 F	NS	U	U	U	U	U	U	NS	U	U
boron, Total	1,000	110	NS	124 B	NA	NS	15.9	NA	NA	NA	21.8	NA	NS	NA	17.6
cadmium	5	5	NS	U	U	NS	U	U	U	U	U	0.4 F	NS	U	U
calcium	--	1,100	NS	96,900	77,800	NS	43,700	63,600	74,400	43,400	24,800	38,500	NS	111,000	20,600
chromium	50	10	NS	U	U	NS	U	U	U	U	U	2 F	NS	1 F	1.1 F
cobalt	5	60	NS	U	3.7 F	NS	U	U	1.8 F	U	U	3.3 F	NS	U	U
copper	200	10	NS	U	8.2 F	NS	U	U	4.2 F	U	U	6.6 F	NS	3.9 F	U
iron	300	200	NS	4,680	99,100	NS	58.9 F	1,990	32,700	2,600	362	12,400	NS	8,200	170 F
lead	50	25	NS	5.0 F	9.4 F	NS	U	U	U	U	U	4.4 F	NS	U	U
magnesium	35,000	1,000	NS	14,600	14,100	NS	6,280	5,680	9,110	5,850	2,450	5,810	NS	17,800	2,920
manganese	300	10	NS	7,050	7,780	NS	32.6	214	1,690	448	400	3,540	NS	436	73.7
nickel	100	20	NS	U	4.4 F	NS	U	U	1.8 F	U	U	6.4 F	NS	U	U
potassium	--	1,000	NS	125 F	243 F	NS	1,250	499 F	136 F	1,660	1,350	433 F	NS	2,190	1,400
selenium	10	30	NS	U	8.5 F	NS	U	U	U	U	U	U	NS	U	U
sodium	--	1,000	NS	2,660	4,580	NS	1,210	U	583 F	377 F	553 F	1,210	NS	9,540	1,690
thallium	0.5	80	NS	5.8 F	14.9 F	NS	U	U	U	U	U	U	NS	U	U
vanadium	--	10	NS	U	7.6 F	NS	U	U	1.8 F	U	U	4.4 F	NS	1 F	U
zinc	2,000	20	NS	U	46.8	NS	2.8 F	11.5 F	12.5 F	U	U	40.1	NS	14.3 F	5.2 F
mercury	0.7	1	NS	U	NA	NS	U	NA	NA	NA	U	NA	NS	NA	U
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	NS	304	210	NS	132	142 B	35	133	78.5	179	NS	321	61.5
ammonia	2	0.2	NS	U	U	NS	U	0.02 F	0.025 F	U	U	U	NS	U	U
BOD5	--	2.4	NS	U	8.7	NS	U	3	U	2.2	U	4.2	NS	4	U
bromide	2	0.5	NS	U	U	NS	U	U	U	U	U	U	NS	U	U
COD	--	5	NS	27.4	276	NS	U	34.9	32.5	15.8	U	44.7	NS	21.4	U
chloride	250	1	NS	U	9.4	NS	2	0.65 F	0.44 F	0.94 F	0.9 F	0.35 F	NS	27.5	2.1
color	15	5	NS	70	NA	NS	7.5	NA	NA	NA	25 J	NA	NS	NA	13
cyanide, Total	200	0.02	NS	U	NA	NS	U	NA	NA	NA	U	NA	NS	NA	U
Fluoride	1.5	1	NS	NA	NA	NS	NA	NA	NA	NA	NA	NA	NS	NA	NA
hardness, Total	--	1	NS	209	268	NS	330	190	250	136	78	236	NS	430	53.3
nitrate	10	1	NS	U	U	NS	0.16 F	U	U	U	U	U	NS	0.11 F	0.087 F
nitrite-N	1	1	NS	U	NA	NS	NA	NA	NA	NA	NA	NA	NS	NA	NA
TKN	1	1	NS	0.87 B	7.1	NS	U	0.75 B	1	0.67	0.42	0.89	NS	1 B	U
sulfate	250	1	NS	1	1.6	NS	4.7	U	U	5.7	0.86 F	32.5	NS	6.8	3.8
TDS	500	10	NS	330	257	NS	154	199	240	146	81	241	NS	382	76
TOC	--	1	NS	9.3	5.3	NS	1.8	8.4	6.2	2.2	2.2	9.0	NS	3.9	2.4 B
phenolics, Total	--	0.005	NS	U	U	NS	U	U	U	U	U	0.0090 F	NS	0.004 F	U

For notes, please refer to the end of the tables section.

Table 4-1
Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class A Surface Water Standards	Reporting Limit	LF7WL-3													
Date of Collection			9/12/2006	3/29/2007	9/24/2007	3/27/2008	9/16/2008	4/21/2009	4/1/2010	6/20/2011	6/25/2013					
Sample ID No.			LF7WL0301NA	LF7WL0301OA	LF7WL0301PA	LF7WL0301QA	LF7WL0301RA	LF7WL0301SA	LF7WL0301TA	LF7WL0301UA	LF7WL0301VA					
Depth to Water (ft)			surface	surface	surface	surface	surface	surface	surface	surface	surface	surface	surface			
VOCs in (µg/L)																
cis-1,2-dichloroethene	5	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
trichloroethylene	5	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
trans-1,2-dichloroethene	5	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
vinyl chloride	0.3	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Metals (µg/L) [Dissolved / Total] ¹																
aluminum	100	200	U	18,200	56 F	180 F	NS	U	110 F	U	64 F	U	U	NS	NS	
antimony	3	50	U	U	U	U	NS	U	1.9 F	U	U	U	U	NS	NS	
arsenic	50	30	U	755	U	U	NS	U	U	U	U	U	U	NS	NS	
barium	1,000	50	108	11,900	21 F	50	NS	19 F	29 F	51	55	33 F	18 F	NS	NS	
beryllium	3	4	U	U	U	U	NS	U	U	U	U	U	U	NS	NS	
boron, Total	1,000	110	NA	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NS	NS	
cadmium	5	5	U	26.3 F	U	0.55 F	NS	U	U	U	U	U	U	NS	NS	
calcium	--	1,100	88,600	418,000	48,000	48,000	NS	66,000	67,000	71,000	79,000	7,400	62,000	NS	NS	
chromium	50	10	U	U	2.1 F	3.5 F	NS	U	U	U	U	U	U	NS	NS	
cobalt	5	60	U	388 F	U	U	NS	U	U	U	U	U	U	NS	NS	
copper	200	10	U	145	U	2.3 F	NS	U	2.4 F	U	U	U	U	NS	NS	
iron	300	200	250	4,050,000	5.4 F	520	NS	U	550	69 F	440	1,200	82 F	NS	NS	
lead	50	25	U	147 F	U	U	NS	U	U	U	U	U	U	NS	NS	
magnesium	35,000	1,000	12,300	33,500	5,900	5,900	NS	8,400	8,600	8,800	9,900	10,000	8,000	NS	NS	
manganese	300	10	2,880	218,000	3.0 F	960	NS	U	250	570	650	310	10	NS	NS	
nickel	100	20	U	88.9 F	U	U	NS	U	U	U	U	U	U	NS	NS	
potassium	--	1,000	2,480	5,680 F	1,300	1,400	NS	970 F	1,000	2,000	2,000	1,400	1,600	NS	NS	
selenium	10	30	U	U	U	U	NS	U	U	U	U	U	U	NS	NS	
sodium	--	1,000	4,070 B	5,070 F	4,600	4,600	NS	3,000	3,100	7,200 B	7,800 B	6,000	4,000	NS	NS	
thallium	0.5	80	U	U	U	U	NS	U	U	U	U	U	U	NS	NS	
vanadium	--	10	U	167	U	U	NS	U	U	U	U	U	U	NS	NS	
zinc	2,000	20	18.8 F	1,100	U	9.3 F	NS	10 F	23	14 F	18 F	18 F	6.2 F	NS	NS	
mercury	0.7	1	NA	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NS	NS	
Leachate Indicators (mg/L)																
alkalinity, Total	--	10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
ammonia	2	0.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BOD5	--	2.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
bromide	2	0.5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
COD	--	5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
chloride	250	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
color	15	5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
cyanide, Total	200	0.02	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Fluoride	1.5	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
hardness, Total	--	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
nitrate	10	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
nitrite-N	1	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
TKN	1	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
sulfate	250	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
TDS	500	10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
TOC	--	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
phenolics, Total	--	0.005	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	

For notes, please refer to the end of the tables section.

Table 4-1
Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class A Surface Water Standards	Reporting Limit	LF7WL-4												
Date of Collection			2/7/2003	6/17/2003	9/10/2003	12/3/2003	3/24/2004	6/23/2004	9/14/2004	12/8/2004	3/30/2005	6/21/2005	9/7/2005	12/15/2005	3/10/2006
Sample ID No.			NS	LFWL0400BB	LF7WL0401CA	NS	LF7WL0401EA	LF7WL0401FA	LF7WL0401GA	LF7WL0401HA	LF7WL0401IA	LF7WL0401JA	NS	NS	LF7WL0401MA
Depth to Water (ft)			surface	surface	surface	NS	surface	surface	surface	surface	surface	surface	NS	NS	surface
VOCs in (µg/L)															
cis-1,2-dichloroethene	5	1	NS	U	U	NS	U	U	U	U	U	U	NS	NS	U
trichloroethylene	5	1	NS	0.24 F	U	NS	U	U	U	U	U	U	NS	NS	U
trans-1,2-dichloroethene	5	1	NS	U	U	NS	U	U	U	U	U	U	NS	NS	U
vinyl chloride	0.3	1	NS	U	U	NS	U	U	U	U	U	U	NS	NS	U
Metals (µg/L) [Dissolved / Total] ¹															
aluminum	100	200	NS	83.4 F	3,490	NS	U	43.5 F	U	113 F	402	1,600	NS	NS	155 F
antimony	3	50	NS	U	29.6 F	NS	U	U	U	U	U	U	NS	NS	U
arsenic	50	30	NS	U	491	NS	U	U	U	4.1 F	U	5.5 F	NS	NS	U
barium	1,000	50	NS	44.7 F	2,110	NS	17.9 F	123	90.1	398	159	88.3	NS	NS	25.9 F
beryllium	3	4	NS	U	1.2 F	NS	U	U	U	U	U	U	NS	NS	U
boron, Total	1,000	110	NS	151 B	NA	NS	28.8	NA	NA	NA	U	NA	NS	NS	19.1
cadmium	5	5	NS	U	U	NS	U	U	U	U	U	U	NS	NS	U
calcium	--	1,100	NS	164,000	415,000	NS	57,300	66,300	70,000	57,400	166,000	167,000	NS	NS	22,100
chromium	50	10	NS	U	6.6 F	NS	U	U	U	U	U	2.5 F	NS	NS	1.4 F
cobalt	5	60	NS	U	16.6 F	NS	U	U	U	4.5 F	1.5 F	3.4 F	NS	NS	U
copper	200	10	NS	U	50.7	NS	U	3.3 F	2.7 F	2.7 F	15.2	10.4	NS	NS	2.3 F
iron	300	200	NS	1,690	1,240,000	NS	104 F	122 F	66.2 F	20,300	22,400	29,200	NS	NS	260
lead	50	25	NS	U	84	NS	U	U	U	U	8.2 F	7.8 F	NS	NS	U
magnesium	35,000	1,000	NS	14,300	20,100	NS	7,080	8,930	11,000	6,320	8,530	8,680	NS	NS	2,650
manganese	300	10	NS	602	27,300	NS	20.5	40.5	44.5	9,530	4,850	3,540	NS	NS	9.5 F
nickel	100	20	NS	U	28	NS	U	U	U	U	3.8 F	8.3 F	NS	NS	U
potassium	--	1,000	NS	8,130	7,090	NS	2,730	1,760	2,700	3,330	2,360	4,580	NS	NS	1,590
selenium	10	30	NS	U	55.1	NS	U	U	U	5.1 F	U	U	NS	NS	U
sodium	--	1,000	NS	3,790	4,930	NS	1,720	1,800	3,220	1,030	1,720	1,650	NS	NS	1,580
thallium	0.5	80	NS	U	138	NS	U	U	U	U	U	U	NS	NS	U
vanadium	--	10	NS	U	63	NS	U	U	U	U	4 F	4.8 F	NS	NS	U
zinc	2,000	20	NS	U	339	NS	3.5 F	8.1 F	U	23	60.9	27.4	NS	NS	5.7 F
mercury	0.7	1	NS	U	NA	NS	U	NA	NA	NA	U	NA	NS	NS	U
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	NS	370	309	NS	153	155 B	53.4	234	208	390	NS	NS	63.2
ammonia	2	0.2	NS	U	70.4	NS	U	0.011 F	0.012 F	0.044 F	0.075	0.070	NS	NS	0.059
BOD5	--	2.4	NS	2.1	41.3	NS	U	U	U	3.8	6.9	8.4	NS	NS	U
bromide	2	0.5	NS	U	U	NS	U	U	U	U	U	U	NS	NS	U
COD	--	5	NS	24.9	U	NS	18	22	16.5	28	21.5	26.2	NS	NS	U
chloride	250	1	NS	3.6	4.9	NS	2	U	2.2	1.8	1	2.9	NS	NS	1.2
color	15	5	NS	40	NA	NS	7.5	NA	NA	NA	15 J	NA	NS	NS	15
cyanide, Total	200	0.02	NS	U	NA	NS	U	NA	NA	NA	U	NA	NS	NS	U
Fluoride	1.5	1	NS	NA	NA	NS	NA	NA	NA	NA	NA	NA	NS	NS	NA
hardness, Total	--	1	NS	422	1,460	NS	310	192	230	216	425	670	NS	NS	53.5
nitrate	10	1	NS	U	U	NS	0.1 F	U	U	U	0.06 F	U	NS	NS	0.16 F
nitrite-N	1	1	NS	U	NA	NS	NA	NA	NA	NA	NA	NA	NS	NS	NA
TKN	1	1	NS	0.84 B	30.2	NS	0.15 F	0.71 B	0.54	1.4	0.79	2.5	NS	NS	0.3
sulfate	250	1	NS	34.5	U	NS	22.3	16.4	0.81 F	25.7	16.3	18.6	NS	NS	7
TDS	500	10	NS	480	334	NS	189	216	258	283	179	422	NS	NS	72
TOC	--	1	NS	4.2	4	NS	2.4	6.3	4.6	5.3	2.1	5	NS	NS	2.1 B
phenolics, Total	--	0.005	NS	U	0.064	NS	U	U	U	0.0087 F	U	0.0050 F	NS	NS	U

For notes, please refer to the end of the tables section.

Table 4-1
Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class A Surface Water Standards	Reporting Limit	LF7WL-4													
Date of Collection			9/12/2006	3/29/2007	9/24/2007	3/27/2008	9/16/2008	4/21/2009	4/1/2010	6/20/2011	6/25/2013					
Sample ID No.			LF7WL0401MA	LF7WL0401OA	LF7WL0401PA	LF7WL0401QA	LF7WL0401RA	LF7WL0401SA	LF7WL0401TA	LF7WL0401UA	LF7WL0401VA					
Depth to Water (ft)			surface	surface	surface	surface	surface	surface	surface	surface	surface					
VOCs in (µg/L)																
cis-1,2-dichloroethene	5	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
trichloroethylene	5	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
trans-1,2-dichloroethene	5	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
vinyl chloride	0.3	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Metals (µg/L) [Dissolved / Total]¹																
aluminum	100	200	U	173 F	50 F	52 F	NS	U	47 F	U	U	U	U	NS	NS	
antimony	3	50	U	U	U	U	NS	U	U	U	U	U	U	NS	NS	
arsenic	50	30	U	46.2	U	U	NS	U	U	U	U	U	U	NS	NS	
barium	1,000	50	59.8	229	11 F	11 F	NS	15 F	14 F	23 F	90	13 F	43 F	NS	NS	
beryllium	3	4	U	U	U	U	NS	U	U	U	U	U	U	NS	NS	
boron, Total	1,000	110	NA	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NS	NS	
cadmium	5	5	U	U	U	0.47 F	NS	U	U	U	U	U	U	NS	NS	
calcium	--	1,100	87,700	101,000	61,000	63,000	NS	80,000	76,000	79,000	92,000	63,000	68,000	NS	NS	
chromium	50	10	U	U	1.7 F	3.2 F	NS	U	U	U	1.5 F	U	U	NS	NS	
cobalt	5	60	U	U	U	U	NS	U	U	U	U	U	U	NS	NS	
copper	200	10	U	3.07 F	U	U	NS	U	U	U	3.0 F	U	U	NS	NS	
iron	300	200	8,490	119,000	U	65 F	NS	5.9 F	69 F	U	3,800	39 F	26 F	NS	NS	
lead	50	25	U	U	U	U	NS	U	U	U	U	U	U	NS	NS	
magnesium	35,000	1,000	12,100	12,500	7,500	7,900	NS	8,900	8,600	12,000	13,000	10,000	8,700	NS	NS	
manganese	300	10	2,150	2,880	U	12	NS	U	2.4 F	16	3,400	12	4.9 F	NS	NS	
nickel	100	20	U	2.52 F	U	U	NS	U	U	U	2.1 F	2.9 F	U	NS	NS	
potassium	--	1,000	2,800	3,020	1,700	1,700	NS	2,100	2,000	2,700	2,800	1,200	5,800	NS	NS	
selenium	10	30	U	U	U	U	NS	U	U	U	U	U	U	NS	NS	
sodium	--	1,000	3,940 B	3,940	1,500	1,500	NS	2,400	2,200	4,500	4,100	1,500	4,300	NS	NS	
thallium	0.5	80	U	U	U	U	NS	U	U	U	U	U	U	NS	NS	
vanadium	--	10	0.93 F	8.65 F	U	U	NS	U	U	U	U	U	U	NS	NS	
zinc	2,000	20	21.8 B	43.3 B	U	U	NS	9.7 F	11 F	14 F	27	12 F	5.3 F	NS	NS	
mercury	0.7	1	NA	NA	NA	NA	NS	NA	NA	NA	NA	NA	NA	NS	NS	
Leachate Indicators (mg/L)																
alkalinity, Total	--	10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
ammonia	2	0.2	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
BOD5	--	2.4	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
bromide	2	0.5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
COD	--	5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
chloride	250	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
color	15	5	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
cyanide, Total	200	0.02	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
Fluoride	1.5	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
hardness, Total	--	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
nitrate	10	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
nitrite-N	1	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
TKN	1	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
sulfate	250	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
TDS	500	10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
TOC	--	1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
phenolics, Total	--	0.005	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	

For notes, please refer to the end of the tables section.

Table 4-2
Landfill 7 MAROS Trend Results

Well ID	Well Type	Number of Samples	Number of Detects	Mann-Kendall Statistic	Mann -Kendall Trend/ % Confidence	Linear Regression Trend/ % Confidence		
Hardness [bicarbonate]								
LF7MW-22	Source	14	14	-13	S	74.1	S	60.1
LF7MW-23	Tail	14	14	10	NT	68.6	NT	88.2
LF7MW-26	Tail	14	14	-2	S	52.2	I	100
LF7MW-27	Tail	14	14	-23	S	88.3	S	73.8
LF7MW-28	Tail	13	11	10	NT	70.5	NT	82
LF7MW-29	Tail	14	13	-15	NT	77.5	NT	67.6
LF7MW-30	Tail	14	14	18	NT	82.1	NT	75.4
Alkalinity [Carbonate (as C03)]								
LF7MW-22	Source	14	14	17	NT	80.6	S	76
LF7MW-23	Tail	14	14	27	PI	92.1	PI	90.4
LF7MW-26	Tail	14	14	42	I	98.9	NT	75.4
LF7MW-27	Tail	14	14	14	NT	75.8	I	100
LF7MW-28	Tail	13	13	23	PI	90.8	I	100
LF7MW-29	Tail	14	11	-24	NT	89.4	NT	89.6
LF7MW-30	Tail	14	14	36	I	97.3	NT	81.9
Nitrate [nitrogen]								
LF7MW-22	Source	14	2	-7	S	62.6	NT	62.4
LF7MW-23	Tail	14	1	9	NT	66.6	NT	72.7
LF7MW-26	Tail	14	13	-43	D	99	D	100
LF7MW-27	Tail	14	14	-60	D	100	D	98.8
LF7MW-28	Tail	13	10	-32	D	97.1	PD	90.9
LF7MW-29	Tail	14	5	-15	S	77.5	NT	59.2
LF7MW-30	Tail	14	12	-25	PD	90.4	S	53.2
Total Organic Carbon								
LF7MW-22	Source	14	13	23	NT	88.3	NT	72.6
LF7MW-23	Tail	14	4	0	S	47.8	S	77.7
LF7MW-26	Tail	14	11	25	PI	90.4	PI	90.3
LF7MW-27	Tail	14	9	-14	S	75.8	S	72.4
LF7MW-28	Tail	13	8	18	NT	84.7	I	99.7
LF7MW-29	Tail	14	2	-24	S	89.4	D	100
LF7MW-30	Tail	14	10	25	PI	90.4	I	97.6

Notes:

D = Decreasing

I = Increasing

NA = Not applicable

NS = Not sampled

NT = No trend

PD = Probably decreasing

PI = Probably increasing

S = Stable

* = One of the variables in the MAROS program is the value assigned to non-detects. This value was set at one half the detection which causes a false positive for the COC's average concentration. Instead of 0 µg/L, the value of one half the detection limit was

**Table 4-3
Landfill 7 AOC LTM Network**

Sampling Locations	Screen Interval Depth (ft MSL)	Sampling Rationale	Target Analytes/ Method Numbers¹	Matrix	# of Samples	Sampling Frequency	Evaluation Criteria
Groundwater LF7MW-22 LF7MW-23 LF7MW-26 LF7MW-27 LF7MW-28 LF7MW-29 LF7MW-30 LF7MW-100	479.12' – 474.19' 482.03' – 472.01' 495.53' – 485.53' 500.91' – 490.91' 484.31' – 474.31' 514.56' – 504.56' 494.67' – 484.67' 470.57' – 460.57' -----	----- Downgradient from source, within plume Downgradient from source, cross-gradient from plume Downgradient from source, within plume Downgradient from source POC well Upgradient from source Downgradient from source Downgradient from source, within plume, Bedrock well -----	<u>Landfill Leachate Indicators:</u> Anions – SW9056 Nitrogen (TKN) – 351.2 Ammonia – 350.2 COD – 410.4 BOD – 405.1 TOC – SW9060 TDS – 160.1 Alkalinity – 310.1 Phenols – SW9066 Hardness – 130.2 Color – 110.2 Boron – SW6010B	Water	10	Biennially	If downgradient wells do not exhibit exceedances of NYS Groundwater Standards or Base background levels for two successive monitoring events, evaluate monitoring frequency and number of wells.
Surface Water LF7WL-3 LF7WL-4	Depth to groundwater ranged from less than 1 ft to 17.71 ft bgs.	Potential contaminant receptor Potential contaminant receptor					

1 Baseline parameters based on 6 NYCRR Part 360, Subpart 2, Appendix A.

Table 4-4
Landfill 7 AOC Historical LTM Network Optimization

Sampling Locations	Sampling Rationale	Target Analytes/ Method Numbers¹	Sampling Frequency	Evaluation Criteria
Historical LTM Network Changes				
November 2011 (CERCLA Sites Optimization Plans)				
Analysis/Frequency Changes				
Groundwater LF7MW-22 LF7MW-23 LF7MW-26 LF7MW-27 LF7MW-28 LF7MW-29 LF7MW-30 LF7MW-100 Surface Water LF7WL-3 LF7WL-4	----- Downgradient from source, within plume Downgradient from source, cross-gradient from plume Downgradient from source, within plume Downgradient from source POC well Upgradient from source Downgradient from source Downgradient from source, within plume, Bedrock well -----	<u>Landfill Leachate Indicators:</u> Anions – SW9056 Nitrogen (TKN) – 351.2 Ammonia – 350.2 COD – 410.4 BOD – 405.1 TOC – SW9060 TDS – 160.1 Alkalinity – 310.1 Phenols – SW9066 Hardness – 130.2 Color – 110.2 Boron – SW6010B	Biennially	If downgradient wells do not exhibit exceedances of NYS Groundwater Standards or Base background levels for two successive monitoring events, evaluate monitoring frequency and number of wells.
November 2007				
Analysis/Frequency Changes				
All groundwater monitoring wells utilizing low flow sampling (except for LF7MW-23)	--	Metals – SW6010B (except Hg)	Semi-annually Annually (Baseline)	Samples collected for metals analysis will be analyzed for total concentrations only.

Table 4-4 (continued)
Landfill 7 AOC Historical LTM Network Optimization

April 2006				
Analysis/Frequency Changes				
Groundwater	-----	Same as above	Semi-annually	Reduce sampling frequency from quarterly to semi-annually for metals. Sampling frequency was reduced, due to the low concentrations of COCs.
LF7MW-22	Downgradient from source, within TCE plume			
LF7MW-23	Downgradient from source			
LF7MW-26	Downgradient from source, within TCE plume			
LF7MW-27	Downgradient from source			
LF7MW-28	Downgradient from source, POC well			
LF7MW-29	Upgradient from source			
LF7MW-30	Downgradient from source			
LF7MW-100	Bedrock, downgradient from source, within TCE plume			
Leachate Samples	If encountered -----			
Surface Water				
LF7WL-3	Potential contaminant receptor			
LF7WL-4	Potential contaminant receptor			

Table 4-4 (continued)
Landfill 7 AOC Historical LTM Network Optimization

Historical LTM Network Changes				
April 2006				
Analysis/Frequency Changes				
All groundwater monitoring wells and surface water sampling locations	--	<u>Metals</u> – SW6010B (except Hg)	Semi-annually	Samples collected for metals analysis will be analyzed for both dissolved and total concentrations.
All groundwater monitoring wells and surface water sampling locations	--	<u>Metals</u> – SW6010B (except Hg)	Semi-annually	Analytes list was reduced, due to the low concentrations or absence of particular COCs. The following analytes were removed: all leachate indicators, mercury, PCBs, and VOCs.

1 Target analytes are based on 6 NYCRR Part 360, Subpart 2, Appendix A.

2 Analyses only performed in baseline sampling.

Table 5-1
Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF5MW-1A												
Date of Collection			2/3/2003	6/16/2003	9/8/2003	12/1/2003	3/26/2004	6/21/2004	9/13/2004	12/10/2004	3/30/2005	6/20/2005	9/6/2005	12/13/2005	3/9/2006
Sample ID No.			LF5M1A22AA	LF5M1A21BB	LF5M1A22CA	LF5M1A21DA	LF5M1A21EA	LF5M1A21FA	LF5M1A21GA	LF5M1A22HA	LF5M1A22IA	LF5M1A22JA	LF5M1A22KA	LF5M1A22LA	LF5M1A23MA
Depth to Water (ft)			21.80	20.99	21.59	21.16	20.98	21.10	21.33	21.81	21.84	21.80	22.46	21.78	22.53
VOCs (µg/L)															
1,2,3-trichlorobenzene	5	1	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U
1,2,4-trichlorobenzene	5*	1	U	UM	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U
1,2,4-trimethylbenzene	5*	1	U	UM	NA	NA	U	NA	NA	NA	UM	NA	NA	NA	UM
1,3,5-trimethylbenzene	5*	1	U	UM	NA	NA	U	NA	NA	NA	UM	NA	NA	NA	U
4-chlorotoluene	5*	1	U	0.20 M	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U
acetone	50	10	U	U	NA	NA	U	NA	NA	NA	1.7 F	NA	NA	NA	U
carbon disulfide	1,000	0.5	U	U	NA	NS	U	NA	NA	NA	U	NA	NA	NA	U
chlorobenzene	5*	0.5	U	UM	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U
chloroform	7	0.3	0.35 B	UM	NA	NA	0.26 F	NA	NA	NA	0.33 F	NA	NA	NA	U
naphthalene	10	1	U	UM	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U
o-xylene	5*	1	U	UM	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U
styrene	50*	1	U	UM	NA	NA	U	NA	NA	NA	UM	NA	NA	NA	UM
toluene	5*	1	0.16 F	UM	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U
vinyl acetate	--	5	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U
Metals (µg/L) [Dissolved / Total]¹															
aluminum	2,000	200	33,118.6	11,000 M	10,400	23,500	15,600 M	12,200 M	3,990	6,020	8,370 M	9,220 M	3,530 F	1,900 J	1,520
antimony	3	50	21.8 F	21.0 F	17.5 F	14.3 F	U	U	U	U	U	U	U	U	U
arsenic	25	30	29.5 F	6.1 F	8.7 F	20.9 F	10.3 F	8.1 F	U	5.2 F	3.1 F	3.8 F	U	U	U
barium	1,000	50	233.1	91.7	92.9	152	117	108	68	74.8	99.1 M	98.2	80.4	70.2	54.2
beryllium	3	4	1.79 F	0.50 F	0.6 F	1.2 F	0.8 F	U	U	U	0.5 F	0.5 F	U	U	U
boron, Total	1,000	10	35.5 F	60.6 B	NA	NS	24.4	NA	NA	NA	17.8	NA	NA	NA	15.1
cadmium	5	5	U	U	U	U	0.5 F	U	U	U	U	U	U	U	U
calcium	--	1,100	99,808.9	65,000	86,500	75,800	90,700	118,000 M	106,000	145,000	140,000	126,000	191,000	139,000	101,000
chromium	50	10	14,712.7	1,160	1,100 M	749 J	346 M	1,000 M	240 M	394 F	447 M	965 M	458 M	219 M	610 M
cobalt	--	60	52.5	10.1 F	11.2 F	22.8 F	12.7 F	11.3 F	2.6 F	4.5 F	7.7 F	11.5 F	4.5 F	2.2 F	1.9 F
copper	200	10	328.6	45.7	47.2	93.6	52.8 M	56.4	15.5	22 J	38.3 J	37.6	18.1 J	9 F	13
iron	300	200	134,816.7	19,500	23,600 M	51,400	29,500	26,000 M	7,610	11,000	14,700 M	18,600 M	7,980 F	3,480 F	3,590 M
lead	25	25	22 F	8.0 F	9.2 F	22.5 F	12.6 F	8.9 F	U	3.9 F	5.1 F	4.1 F	U	U	U
magnesium	35,000	1,000	19,850.2	6,510	6,890	11,600	9,270	9,600 M	6,300	9,000	8,060	8,810 M	9,590	7,050	5,020
manganese	300	10	4,461.8	1,000	941 M	2,360	1,450	1,180 M	310	419	620 M	869 M	340 M	136 M	124 M
molybdenum	--	15	151.1	13.1 F	14.1 F	8.8 F	4.6 F	11.4 F	2.9 F	2.9 F	3.1 F	9.8 F	5.4 F	2.7 F	9.9 F
nickel	100	20	757.2	80.9	82.4	127	72.2 M	81	33.1 J	84.5	107 M	109 M	122	59.8 J	45.3 M
potassium	--	1,000	6,355.4	4,850 M	4,450.0	7,710	6,190	5,040	2,750	3,260	3,720	4,390	2,560	2,260	1,530
selenium	10	30	U	U	U	U	U	U	U	U	U	U	U	U	U
silver	50	10	2.2 F	U	U	U	U	U	U	U	U	U	U	U	U
sodium	20,000	1,000	70,416.3	32,400	79,900 M	74,000	47,400	47,600 M	71,500	92,200	126,000	111,000	135,000	166,000 M	104,000
thallium	0.5	80	U	U	U	U	U	U	U	U	U	U	U	U	U
vanadium	--	10	107.8	26.1	24.4	46.8	31.3	25.7	7.3 F	11.4	16.4 J	18.8	7.5 F	4 F	4.9 F
zinc	2,000	20	171.3	42.7	59	116	69.1	55.2 M	17 F	24.9	34.9	37.7 M	17.2 F	7.3 F	7.4 F
PCBs (µg/L) [Filtered/Unfiltered]															
aroclor 1242	0.09	0.5	U	U	U	U	U	U	U	U	U	NA	NA	NA	U
aroclor 1248	0.09	0.5	U	U	U	U	U	U	U	U	U	NA	NA	NA	U
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	247	180	252 M	219	205	168	212	379	356	249	342 M	252	240
ammonia	2	0.2	U	0.15	UM	0.11 F	0.078	U	0.03 F	0.14	U	U	0.029 F	U	U
BOD5	--	2.4	U	6.1 B	UM	U	U	U	UM	U	UM	U	U	U	U
bromide	2	0.5	U	UM	UM	U	UM	UM	U	U	U	U	U	U	U
COD	--	5	12.54	19.1 M	UM	U	U	U	U	U	U	6.3 M	U	19.4 M	UM
chloride	250	1	74,323 R	27.9	71.3 M	83.2	126	184	231	147	184	262	325	363 M	203 M
color	15	5	50	100	NA	NA	250	NA	NA	NA	400 F	NA	NA	NA	20
cyanide	200	0.02	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	0.0071 F
fluoride	1	1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
hardness, Total	--	1	1.94	221	269	300	272	308	320	444	290	384	U	80.3 M	300 M
nitrate	10	1	5,631.5	5 M	14.5 F	U	3.8 F	UM	3.7 M	3.4	3.3 M	3.3 M	3.3 M	3.1 M	2.6
TKN	1	1	1.12	0.43	0.79 M	0.45	0.34 J	0.36	0.17 F	0.73 B	0.34	0.22	0.36 M	0.89 M	0.91 M
sulfate	250	1	16.6555	14	15.9 M	16	10.7	12	11	15.1	19.1 M	15.2	14.9	23.4 M	14
TDS	500	10	275.6	325	451	434	494	608	626	667	649	707	1,040	848	577
TOC	--	1	5.99	2.7	3.1	3.7	2.5	0.95 F	2.7	4.2	3.9	3.5	3.2	2.2	2.3
phenolics, Total	--	0.005	0.0062	0.019 B	U	0.014 J	U	U	U	U	0.0069 F	U	U	U	U

For notes, please refer to the end of the tables section.

Table 5-1
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF5MW-3												
Date of Collection			1/8/1999 [§]	2/5/2003	6/16/2003	9/8/2003	12/1/2003	3/29/2004	6/18/2004	9/16/2004	12/29/2004	3/30/2005	6/20/2005	9/6/2005	12/13/2005
Sample ID No.			LF5M0308AB	LF5M0314AA	LF5M0314BA	LF5M0315CA	LF5M0315DA	LF5M0315EA	LF5M0315FA	LF5M0315GA	LF5M0315HA	LF5M0315IA	LF5M0315JA	LF5M0315KA	LF5M0315LA
Depth to Water (ft)			8.11	7.83	7.62	7.46	6.16	5.67	7.00	8.11	7.28	5.21	7.28	7.69	7.08
VOCs (µg/L)															
1,2,3-trichlorobenzene	5	1	NA	0.10 F	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA
1,2,4-trichlorobenzene	5*	1	NA	0.07 F	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA
1,2,4-trimethylbenzene	5*	1	U	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA
1,3,5-trimethylbenzene	5*	1	NA	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA
4-chlorotoluene	5*	1	NA	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA
acetone	50	10	U	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA
carbon disulfide	1,000	0.5	U	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA
chlorobenzene	5*	0.5	U	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA
chloroform	7	0.3	U	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA
naphthalene	10	1	U	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA
o-xylene	5*	1	U	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA
styrene	50*	1	NA	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA
toluene	5*	1	U	0.43 F	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA
vinyl acetate	--	5	NA	UJ	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA
Metals (µg/L) [Dissolved / Total] ¹															
aluminum	2,000	200	570 J	3,154.6	10,600	992	17,300	6,390	4,610	1,580	568	318	256	192 F	195 F
antimony	3	50	U	U	U	U	U	U	U	U	U	U	U	U	U
arsenic	25	30	U	U	U	U	6.3 F	U	U	U	U	U	U	U	U
barium	1,000	50	13.98	58.1	113	45.6 F	170	63.1	63.1	43.9 F	50.6	66.4	42.3 F	51.7	67
beryllium	3	4	U	U	0.60 F	0.40 F	0.9 F	0.3 F	U	U	U	U	U	U	U
boron, Total	1,000	10	U	6.2 F	68.5 B	NA	NS	17.6	NA	NA	NA	22.7	NA	NA	NA
cadmium	5	5	U	U	U	U	U	U	U	U	U	0.4 F	0.3 F	U	U
calcium	--	1,100	209,400 M	84,004	58,000	83,900	56,800	37,700	64,400	61,600	128,000	118,000	122,000	134,000	183,000
chromium	50	10	1.0 F	4.4 F	14.3	2.3 F	22	8.9 F	7.3 F	5.1 F	1.9 F	1.6 F	0.9 F	U	U
cobalt	--	60	0.7 F	0.5 F	3.7 F	U	7.6 F	2.4 F	2.2 F	U	U	U	U	U	U
copper	200	10	U	21.8	47.8	34.9	59.1	32.7	41.2	28.1	16	11.8	14	13	13.6
iron	300	200	607.8 F	2,929.5	8,990	958	14,900	5,180	3,980	1,390	527	222	217	188 F	188 F
lead	25	25	3.0 F	2.7 F	4.9 F	U	7.3 F	U	U	U	U	U	U	U	U
magnesium	35,000	1,000	25,945	10,255.1	6,120	6,130	7,650	3,940	5,680	5,140	12,900	11,100	12,600	13,400	17,800
manganese	300	10	1,766.3	389.9	85.9	188	144	48.7	90.1	32.4	335	77.2	151	294	661
molybdenum	--	15	U	4.3 F	U	2.2 F	U	U	U	U	U	0.7 F	U	U	U
nickel	100	20	6.0 F	3.7 F	12.6 F	5.1 F	18.9 F	8.7 F	8.0 F	5.8 F	3.6 F	3.5 F	2.3 F	2.5 F	2.6 F
potassium	--	1,000	4,638	21,330	3,090	1,340	4,480	1,770	1,560	975 F	1,440	1,070	1,460	1,490	1,780
selenium	10	30	U	U	U	U	U	U	U	U	U	U	U	U	U
silver	50	10	U	U	U	U	U	U	U	U	U	U	U	U	U
sodium	20,000	1,000	13,570	4,088.7	2,580	4,190	4,240	3,570	3,980	2,680	1,410	2,210	1,440	1,240	8,370
thallium	0.5	80	U	U	10 F	U	U	U	U	U	U	U	U	U	U
vanadium	--	10	U	4.5 F	18.0	2.8 F	29.4	11.7	8.5 F	3.2 F	1.6 F	1.1 F	U	U	U
zinc	2,000	20	U	13.4 F	29.8	U	50.1	18.6 F	14.5 F	5.8 F	U	7.1 F	U	3.7 F	U
PCBs (µg/L) [Filtered/Unfiltered]															
aroclor 1242	0.09	0.5	NA	U	UJ	U	U	U	U	U	U	U	NA	NA	NA
aroclor 1248	0.09	0.5	NA	U	UJ	U	U	U	U	U	U	U	NA	NA	NA
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	362	186	142	202	89.6	63.6	162	140	326	111	232	247	247
ammonia	2	0.2	U	U	U	U	U	U	0.071	0.13	0.14 B	0.1	U	0.015 F	U
BOD5	--	2.4	2.4 F	U	6.5 B	U	U	U	U	U	U	U	U	U	U
bromide	2	0.5	U	U	U	U	U	U	U	0.28 F	U	0.21 F	U	U	U
COD	--	5	27.5 M	47.74	58.4	67.8	77.8	54.2	64.9	64.5	32.6	22.9	19.8	16.2	32.8
chloride	250	1	84 F	9,904.7	1.7	1.2	U	1.5	1.4	1.2	1.4	6.6	4.1	8	18.8
color	15	5	60	90	160	NA	NA	280	NA	NA	NA	50 F	NA	NA	NA
cyanide	200	0.02	U	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA
fluoride	1	1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
hardness, Total	--	1	752 F	247.09	198	368	230	104	204	350	400	344	352	480	221
nitrate	10	1	0.02 M	3,640.9	U	U	8.9	6.8	0.83 F	7.2	0.98 F	5.8	0.38 F	0.2 F	2.5
TKN	1	1	U	1.26	1	1.4	3	4	2	6	0.89	1.2	0.48	0.86	0.66
sulfate	250	1	175 F	30,299.2	15	13.3	35.8	9.6	12	14.5	36.3	236	141	146	334
TDS	500	10	854	396	355	325	463	200	319	276	440	450	445	524	705
TOC	--	1	20.8	21.55	21.2	27.6	27.8	19.4	23.4	22.6	11.9	11.3	9.8	10.1	9.6
phenolics, Total	--	0.005	U	0.00595	0.015 B	U	U	U	U	U	U	U	0.0040 F	U	U

For notes, please refer to the end of the tables section.

Table 5-1
Groundwater and Surface Water Sampling Results (continued)

Location of Well			LF5MW-3																	
Date of Collection	NYSDEC Class GA Groundwater Standards	Reporting Limit	3/9/2006	9/12/2006	3/28/2007	9/24/2007	3/27/2008	9/15/2008	4/6/2009	3/24/2010	6/8/2011	6/4/2013								
Sample ID No.			LF5M0315MA	LF5M0315NA	LF5M0315OA	LF5M0315PA	LF5M0315QA	LF5M0315RA	LF5M0315SA	LF5M0315TA	LF5M0315UA	LF5M0315VA								
Depth to Water (ft)			7.01	7.61	3.97	7.93	5.25	7.14	5.51	5.76	6.34	6.04								
VOCs (µg/L)																				
1,2,3-trichlorobenzene	5	1	U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
1,2,4-trichlorobenzene	5*	1	U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
1,2,4-trimethylbenzene	5*	1	U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
1,3,5-trimethylbenzene	5*	1	U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
4-chlorotoluene	5*	1	U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
acetone	50	10	U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
carbon disulfide	1,000	0.5	U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
chlorobenzene	5*	0.5	U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
chloroform	7	0.3	U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
naphthalene	10	1	U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
o-xylene	5*	1	U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
styrene	50*	1	U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
toluene	5*	1	U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
vinyl acetate	--	5	U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
Metals (µg/L) [Dissolved / Total]¹																				
aluminum	2,000	200	498	44.5 F	107 F	190 F	920	44F	210	180 F	320	62 F	250	120 F	420	U	220	NA	NA	
antimony	3	50	U	U	U	U	U	U	U	U	U	1.8 F	U	U	U	U	U	NA	NA	
arsenic	25	30	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA	
barium	1,000	50	62.3	67.7	68.9	97	100	69	70	100	120	65	70	100	110	82	79	NA	NA	
beryllium	3	4	U	U	U	U	U	U	U	0.17 F	0.16 F	U	U	U	U	U	U	NA	NA	
boron, Total	1,000	10	47.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	U	U	U	NA	NA	NA	
cadmium	5	5	1 F	U	U	U	U	U	U	U	U	U	U	NA	NA	U	U	NA	NA	
calcium	--	1,100	188,000	201,000	199,000	200,000	200,000	210,000	200,000	320,000	350,000	190,000	210,000	420,000	440,000	320,000	300,000	NA	NA	
chromium	50	10	2.1 F	3.04 F	4.3 F	6.5 F	7.7 F	3.1F	3.2F	2.6 F	4.0 F	2.1 F	5.4 F	3.9 F	6.7 F	U	U	NA	NA	
cobalt	--	60	1 F	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA	
copper	200	10	12.2	12.7	12.4	15	17	14	15	15	17	6.4 F	10	22	25	13	13	NA	NA	
iron	300	200	502	16.6 F	70.7 F	80 F	690	47F	200	71 F	180 F	330	710	65 F	370	160 F	290	NA	NA	
lead	25	25	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA	
magnesium	35,000	1,000	18,100	21,100	20,900	23,000	23,000	21,000	21,000	36,000	39,000	21,000	22,000	43,000	45,000	36,000	35,000	NA	NA	
manganese	300	10	452	251	255	56	190	290	320	38	77	2,200	2,300	38	110	150	130	NA	NA	
molybdenum	--	15	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA	
nickel	100	20	3.4 F	3.33 F	3.54 F	6.8 F	7.1 F	3.6F	4.1F	6.5 F	7.3 F	4.8 F	11 F	60 F	7.2 F	4.5 F	4.1 F	NA	NA	
potassium	--	1,000	1,600	1,910	1,910	1,400	1,600	1,700	1,700	1,500	1,700	1,800	1,900	2,100	2,400	1,700	1,800	NA	NA	
selenium	10	30	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA	
silver	50	10	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA	
sodium	20,000	1,000	3,250	2,850 B	2,840 B	3,300	3,200	2,700	2,600	5,800	6,300	2,100 B	2,600B	7,100	7,300	5,100	4,700	NA	NA	
thallium	0.5	80	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA	
vanadium	--	10	1.3 F	U	U	U	1.8 F	U	U	U	U	1.2 F	U	U	U	U	U	NA	NA	
zinc	2,000	20	5.8	16 F	20.9 B	6.9 F	13 F	U	5.2F	17 F	20 B	16 F	14 F	24	25	8.3 F	12 F	NA	NA	
PCBs (µg/L) [Filtered/Unfiltered]																				
aroclor 1242	0.09	0.5	U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
aroclor 1248	0.09	0.5	U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Leachate Indicators (mg/L)																				
alkalinity, Total	--	10	323	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	230	190			
ammonia	2	0.2	U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.093 F	0.079 J			
BOD5	--	2.4	U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.3	34 J			
bromide	2	0.5	U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.1	U			
COD	--	5	15.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	59	75			
chloride	250	1	4.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5	3.5			
color	15	5	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	50	40			
cyanide	200	0.02	0.01 F	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	U			
fluoride	1	1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	U	U			
hardness, Total	--	1	560	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,400	1400			
nitrate	10	1	2.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.5	U			
TKN	1	1	0.79 B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.4	1.4			
sulfate	250	1	188	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,000	1,100			
TDS	500	10	626	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,700	2,000 B ♦			
TOC	--	1	8.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25	29			
phenolics, Total	--	0.005	U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	U			

For notes, please refer to the end of the tables section.

Table 5-1
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF5MW-5												
Date of Collection			2/5/2003	6/16/2003	9/8/2003	12/1/2003	3/29/2004	6/21/2004	9/14/2004	12/10/2004	3/30/2005	6/20/2005	9/6/2005	12/12/2005	3/9/2006
Sample ID No.			LF5M0512AA	LF5M0505BB	LF5M0513CA	LF5M0512DA	LF5M0512EA	LF5M0512FA	LF5M0512GA	LF5M0512HA	LF5M0512IA	LF5M0512JA	LF5M0512KA	LF5M0512LA	LF5M0512MA
Depth to Water (ft)			5.60	4.92	5.53	4.75	4.35	5.17	5.42	5.03	5.33	5.66	6.17	5.61	5.52
VOCs (µg/L)															
1,2,3-trichlorobenzene	5	1	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U
1,2,4-trichlorobenzene	5*	1	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U
1,2,4-trimethylbenzene	5*	1	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U
1,3,5-trimethylbenzene	5*	1	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U
4-chlorotoluene	5*	1	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U
acetone	50	10	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U
carbon disulfide	1,000	0.5	U	U	NS	NS	U	NA	NA	NA	U	NA	NA	NA	U
chlorobenzene	5*	0.5	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U
chloroform	7	0.3	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U
naphthalene	10	1	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U
o-xylene	5*	1	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U
styrene	50*	1	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U
toluene	5*	1	0.15 F	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U
vinyl acetate	--	5	UF	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U
Metals (µg/L) [Dissolved / Total] ¹															
aluminum	2,000	200	2,162.1	2,420	195 F	1,720	1,470	536	3,880	1,660	1,080	1,130	824	1,830	1,710
antimony	3	50	U	U	U	U	U	U	U	U	U	U	U	U	U
arsenic	25	30	U	U	U	U	U	U	U	U	U	U	U	U	U
barium	1,000	50	59	50.0	62.3	45.2 F	41.6 F	54	51.5	54.6	39.5 F	46.1 F	50.1	58.4	49.6 F
beryllium	3	4	U	0.30 F	U	0.50 F	U	U	U	U	U	U	U	0.3 F	U
boron, Total	1,000	10	U	51.2 B	NA	NS	10.3	NA	NA	NA	13.3	NA	NA	NA	14.6
cadmium	5	5	U	U	U	U	U	U	U	U	U	U	U	U	0.3 F
calcium	--	1,100	38,853.6	21,300	97,600	25,700	19,400	53,400	27,800	20,000	18,600	36,500	54,600	35,500	33,300
chromium	50	10	2.9 F	4.1 F	U	3.1 F	2 F	1.2 F	4.1 F	U	1.8 F	1.7 F	U	2.1 F	3.4 F
cobalt	--	60	6.8 F	4.9 F	1.7 F	7 F	7.1 F	5.2 F	9.9 F	1.8 F	4.9 F	6.6 F	2.6 F	5 F	6.9 F
copper	200	10	30.7	38.1	13.8	35	33	27	40.9	34.4	31.8	31.4	35.3	35.2	32.6 F
iron	300	200	2,389.8	2,380	519	1,940	1,900	1,410	3,500	1,800	1,110	1,440	1,290	1,730	2,400
lead	25	25	U	U	U	U	U	U	U	U	U	U	2 F	U	2.7 F
magnesium	35,000	1,000	6,631.1	5,450	15,200	6,240	4,470	13,300	6,600	4,340	3,780	6,600	10,300	6,740	7,630
manganese	300	10	315.1	146	534	267	231	655	490	202	151	506	444	212	277
molybdenum	--	15	1.9 F	U	U	U	U	U	U	U	U	U	U	U	U
nickel	100	20	11.0 F	10.2 F	3.5 F	9.9 F	11.1 F	8.6 F	11.8 F	10.7 F	8.6 F	10.7 F	6.4 F	10.9 F	12 F
potassium	--	1,000	1,322.9	1,620	1,660	1,540	1,200	1,270	2,270	1,340	1,060	1,110	1,900	1,870	980 F
selenium	10	30	U	U	U	U	U	U	U	U	U	U	U	U	U
silver	50	10	U	U	U	U	U	U	U	U	U	U	U	U	U
sodium	20,000	1,000	2,290.3	1,820	2,270	1,750	1,370	1,820	1,250	2,080	2,340	2,030	6,980	3,460	2,560
thallium	0.5	80	U	5.9 F	U	U	U	U	U	U	U	U	U	U	U
vanadium	--	10	U	4.6 F	U	3.2 F	2 F	0.9 F	6.1 F	2.1 F	1.7 F	1.6 F	1.2 F	3 F	3.5 F
zinc	2,000	20	23	U	U	18.9 F	19.5 F	10.3 F	18.8 F	20.6	18.2 F	12.7	8.6 F	15.6 F	17.2 F
PCBs (µg/L) [Filtered/Unfiltered]															
aroclor 1242	0.09	0.5	U	U	U	U	U	U	U	U	U	NA	NA	NA	U
aroclor 1248	0.09	0.5	U	U	U	U	U	U	U	U	U	NA	NA	NA	U
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	90	60	274	78	48.6	148	27.5	62.9	52.8	102	161	90.7	93.5
ammonia	2	0.2	U	0.093	0.052 B	U	U	0.024 F	0.059	0.026 F	U	U	0.014 F	U	U
BOD5	--	2.4	U	6.6 B	U	U	U	U	U	U	U	U	U	U	U
bromide	2	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
COD	--	5	19.53	66.4	33.7	56.1	52.5	49.6	63.8	35.6	21.5	40.6	29	39.6	48.2
chloride	250	1	3.7745	2	1.6	U	1.4	2.1	1.2	2.5	2.3	2.2	2.7	1.5	1.5
color	15	5	50	70	NA	NA	70	NA	NA	NA	100 F	NA	NA	NA	70
cyanide	200	0.02	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	0.01 F
fluoride	1	1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
hardness, Total	--	1	121.58	96.6	495	300	192	170	68	84	128	220	220	200	180
nitrate	10	1	1.7616	U	U	U	0.12 F	U	0.03 F	0.14 F	0.19 F	0.040 F	0.03 F	0.34 F	0.19 F
TKN	1	1	0.64	0.94	0.55	1.4	0.59	0.7	0.9	0.84 B	0.42	0.37	0.59	1.3 B	0.52 B
sulfate	250	1	14.9267	9.1	18.5	11.9	U	13.8	10.1	13.8	14.8	19.5	35.5	22	21.6
TDS	500	10	85	191	350	161	124	245	163	126	123	195	277	172	170
TOC	--	1	15.72	17.2	13.3	20.2	16.8	15.6	22.3	18.3	16.2	16.1	17	15.3	13.9
phenolics, Total	--	0.005	0.0144	U	U	U	0.0039 F	U	U	U	U	U	U	U	U

For notes, please refer to the end of the tables section.

Table 5-1
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF5MW-5																	
Date of Collection			9/12/2006	3/27/2007	9/24/2007	3/27/2008	9/15/2008	4/7/2009	3/24/2010	6/9/2011	6/4/2013									
Sample ID No.			LF5M0512NA	LF5M0512OA	LF5M0512PA	LF5M0512QA	LF5M0512RA	LF5M0512SA	LF5M0512TA	LF5M0512UA	LF5M0512VA									
Depth to Water (ft)			5.86	3.45	6.01	3.71	5.46	3.74	4.30	4.56	4.65									
VOCs (µg/L)																				
1,2,3-trichlorobenzene	5	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA								
1,2,4-trichlorobenzene	5*	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA								
1,2,4-trimethylbenzene	5*	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA								
1,3,5-trimethylbenzene	5*	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA								
4-chlorotoluene	5*	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA								
acetone	50	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA								
carbon disulfide	1,000	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA								
chlorobenzene	5*	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA								
chloroform	7	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA								
naphthalene	10	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA								
o-xylene	5*	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA								
styrene	50*	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA								
toluene	5*	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA								
vinyl acetate	--	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA								
Metals (µg/L) [Dissolved / Total]¹																				
aluminum	2,000	200	293 B	1,140	510	2,200	170F	230	450 B	1,600	1,500	3,700	410	1,500	540	4,000	NA	NA		
antimony	3	50	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA		
arsenic	25	30	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA		
barium	1,000	50	41.7 F	47.3 F	28 F	43 F	57	58	20 F	31 F	54	80	25 F	34 F	26 F	49 F	NA	NA		
beryllium	3	4	U	U	U	U	.12F	U	U	0.11 F	0.20 F	0.27 F	U	U	U	0.29 F	NA	NA		
boron, Total	1,000	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	U	NA	NA	NA		
cadmium	5	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA		
calcium	--	1,100	39,800	39,000	14,000	14,000	93,000	92,000	13,000	14,000	22,000	22,000	13,000	13,000	12,000	11,000	NA	NA		
chromium	50	10	U	2.15 F	2.0 F	4.1 F	5F	4F	U	2.3 F	3.8 F	U	U	U	U	5.9 F	NA	NA		
cobalt	--	60	U	U	U	7.4 F	7.6F	6.4F	U	U	U	U	U	U	U	13 F	NA	NA		
copper	200	10	27.8	32.2	27	33	7.6F	9.7F	16	20	37	47	15	17	22	29	NA	NA		
iron	300	200	476	1,390	310	1,900	2,300	2,400	330	1,300	1,400	3,500	260	1,200	400	3,500	NA	NA		
lead	25	25	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA		
magnesium	35,000	1,000	8,650	8,510	2,600	2,900	26,000	26,000	1,800	2,100	4,800	5,300	2,100	2,200	1,800	2,200	NA	NA		
manganese	300	10	266	272	81	190	2,000	2,000	19	33	110	170	20	37	9.8 F	290	NA	NA		
molybdenum	--	15	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA		
nickel	100	20	9.3 F	10.5 F	7.3 F	12	9.1F	9.7F	4.2 F	5.8 F	11 F	14 F	3.9 F	4.7 F	6.0 F	9.4 F	NA	NA		
potassium	--	1,000	950 F	1,200	680 F	1,100	1,400	1,400	970 F	1,300	1,500	2,100	1,200	1,400	790 F	1,900	NA	NA		
selenium	10	30	2.79 F	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA		
silver	50	10	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA		
sodium	20,000	1,000	4,180 B	3,930 B	2,200	2,200	3,300	3,200	2,000	2,100 B	3,600B	4,100 B	2,200	2,100	2,200	2,000	NA	NA		
thallium	0.5	80	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA		
vanadium	--	10	U	2.18 F	0.95 F	3.5 F	1.8F	2F	1.8 F	3.6 F	2.4 F	6.2 F	U	3.7 F	U	8.9 F	NA	NA		
zinc	2,000	20	27 B	24 B	16 F	U	8.5F	11F	21 B	40 B	28	70	28	33	15 F	30	NA	NA		
PCBs (µg/L) [Filtered/Unfiltered]																				
aroclor 1242	0.09	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
aroclor 1248	0.09	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Leachate Indicators (mg/L)																				
alkalinity, Total	--	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	47	31				
ammonia	2	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.22	0.11				
BOD5	--	2.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	U				
bromide	2	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	U				
COD	--	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	54	62				
chloride	250	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 F	0.88 J				
color	15	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5	50				
cyanide	200	0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	U				
fluoride	1	1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	U	0.062 J				
hardness, Total	--	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	65	37				
nitrate	10	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	U	0.15 J				
TKN	1	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.1	1.4				
sulfate	250	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5	2.8 J				
TDS	500	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	110	120 B				
TOC	--	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22	24				
phenolics, Total	--	0.005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	U				

For notes, please refer to the end of the tables section.

Table 5-1
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF5MW-100				LF5MW-100R								
Date of Collection			2/5/2003	6/17/2003	9/8/2003	12/1/2003	3/29/2004	6/21/2004	9/14/2004	12/10/2004	3/30/2005	6/20/2005	9/6/2005	12/12/2005	3/9/2006
Sample ID No.			LF5M10009AA	LF5M10009BB	NS	NS	LF5M100R08EA	LF5M100R68FA	LF5M100R10GA	LF5M100R11HA	LF5M100R10IA	LF5M100R10JA	LF5M100R10KA	LF5M100R10LA	LF5M100R10MA
Depth to Water (ft)			9.50	9.08	NS	NS	8.47	19.48	9.79	11.16	9.73	9.85	10.26	9.78	9.79
VOCs (µg/L)															
1,2,3-trichlorobenzene	5	1	U	U	NS	NS	U	NA	NA	NA	U	NA	NA	NA	U
1,2,4-trichlorobenzene	5*	1	U	U	NS	NS	U	NA	NA	NA	U	NA	NA	NA	U
1,2,4-trimethylbenzene	5*	1	U	U	NS	NS	U	NA	NA	NA	U	NA	NA	NA	U
1,3,5-trimethylbenzene	5*	1	U	U	NS	NS	U	NA	NA	NA	U	NA	NA	NA	U
4-chlorotoluene	5*	1	U	U	NS	NS	U	NA	NA	NA	U	NA	NA	NA	U
acetone	50	10	U	U	NS	NS	3.3 F	NA	NA	NA	U	NA	NA	NA	U
carbon disulfide	1,000	0.5	U	U	NS	NS	U	NA	NA	NA	0.42 F	NA	NA	NA	U
chlorobenzene	5*	0.5	0.52	U	NS	NS	U	NA	NA	NA	U	NA	NA	NA	U
chloroform	7	0.3	U	U	NS	NS	2.0 B	NA	NA	NA	U	NA	NA	NA	U
naphthalene	10	1	U	U	NS	NS	U	NA	NA	NA	U	NA	NA	NA	U
o-xylene	5*	1	0.08 F	U	NS	NS	U	NA	NA	NA	U	NA	NA	NA	U
styrene	50*	1	U	U	NS	NS	U	NA	NA	NA	U	NA	NA	NA	U
toluene	5*	1	0.20 F	0.27 F	NS	NS	U	NA	NA	NA	U	NA	NA	NA	U
vinyl acetate	--	5	UJ	U	NS	NS	U	NA	NA	NA	U	NA	NA	NA	U
Metals (µg/L) [Dissolved / Total]¹															
aluminum	2,000	200	1,882	2,020	NS	NS	9,790	28,200	2,020	2,260	7,520	4,970	5,910	2,140	6,360
antimony	3	50	U	6.4 F	NS	NS	U	U	U	U	U	U	U	U	U
arsenic	25	30	U	U	NS	NS	U	12.1 F	U	U	3.5 F	U	U	U	U
barium	1,000	50	13,480.7	266	NS	NS	511	9,620	7,850	7,890	8,390	7,510	8,990	6,850	7,590
beryllium	3	4	U	U	NS	NS	0.7 F	1.7 F	1.4 F	U	1.4 F	0.6 F	0.4 F	0.6 F	0.8 F
boron, Total	1,000	10	U	67.1	NS	NS	24	NA	NA	NA	565	NA	NA	NA	500
cadmium	5	5	U	U	NS	NS	U	0.6 F	U	U	U	U	U	U	0.4 F
calcium	--	1,100	532,223.6	87,600	NS	NS	518,000	482,000	44,900	411,000	455,000	397,000	390,000	386,000	434,000
chromium	50	10	23.6 F	3.1 F	NS	NS	89.9	50.7	12.2	22	55.2	25.9	15	10.8	28.5
cobalt	--	60	U	U	NS	NS	6.4 F	25.1 F	2.9 F	3.1 F	9.4	3.8 F	5.3 F	2 F	4.8 F
copper	200	10	8.0 F	U	NS	NS	34.5	88.1	7.7 F	7.2 F	49	14.5	25.2	7 F	17.8
iron	300	200	4,215.7	21,900	NS	NS	14,300	52,900	3,610	3,760	22,900	7,820	9,680	3,090	10,300
lead	25	25	U	U	NS	NS	5.3 F	16.8 F	U	U	22.4 F	2.2 F	2.5 F	U	3.8 F
magnesium	35,000	1,000	115,200.5	23,700	NS	NS	4,160	122,000	14,600	19,400	92,200	45,000	77,600	18,700	42,600
manganese	300	10	754	1,320	NS	NS	259	1,620	133	109	2,840	313	307	110	325
molybdenum	--	15	U	U	NS	NS	19.7	5.5 F	5.2 F	5 F	4.4 F	5 F	5 F	4.6 F	4.8 F
nickel	100	20	24.6 F	U	NS	NS	20.4	49.8	6.6 F	13 F	42.2	16.1 F	14.7 F	5.9 F	18.1 F
potassium	--	1,000	68,473	1,770	NS	NS	40,100	59,300 F	5,300	48,700 F	87,400	86,400	101,000	79,500	82,900
selenium	10	30	U	U	NS	NS	U	U	U	U	U	U	U	U	U
silver	50	10	U	U	NS	NS	U	U	U	U	U	U	U	U	U
sodium	20,000	1,000	4,607,994	1,380	NS	NS	138,000	3,460,000	286,000	2,810,000	3,520,000	2,950,000	3,270,000	2,540,000	2,850,000
thallium	0.5	80	U	7.2 F	NS	NS	U	U	U	U	U	U	U	U	U
vanadium	--	10	11.1 F	5.5 F	NS	NS	17.5	45.8	4.1 F	3.3 F	16.6	7.8 F	9.4 F	3.7 F	11
zinc	2,000	20	48.4 F	U	NS	NS	47.6	141.0	12.5 F	16.5	63	23.4 B	33.3	10.2 F	38.5
PCBs (µg/L) [Filtered/Unfiltered]															
aroclor 1242	0.09	0.5	UJ	U	NS	NS	U	U	U	U	0.45 F	NA	NA	NA	U
aroclor 1248	0.09	0.5	UJ	U	NS	NS	U	U	U	U	U	NA	NA	NA	U
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	76	149	NS	NS	1,080	39.1	10.4	81.1	36.2	76	80.4	96.8	90.8
ammonia	2	0.2	18.34	8.7	NS	NS	1.9	18.6	18.5	14.2	20.1	15.4	17.2	13.5	15.5
BOD5	--	2.4	U	15.7	NS	NS	U	U	U	U	3.2	U	U	U	U
bromide	2	0.5	160.4726	46.8	NS	NS	4.3	252	83	80.4	116	134	130	57.2	72
COD	--	5	119.35	16	NS	NS	16	664	16	U	118	94.5	54.3	112	132
chloride	250	1	8,821.04	2,920	NS	NS	375	13,500	9,110	7,820	12,900	8,370	5,840	10,200	6,560
color	15	5	10	15	NS	NS	250	NA	NA	NA	2,000 F	NA	NA	NA	5
cyanide	200	0.02	U	U	NS	NS	U	NA	NA	NA	U	NA	NA	NA	0.0059 F
fluoride	1	1.5	NA	NA	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
hardness, Total	--	1	1,882.56	308	NS	NS	1,210	1,800	1,270	1,210	430	1,210	1,510	3,200	1,600
nitrate	10	1	U	U	NS	NS	U	U	U	U	U	U	U	U	U
TKN	1	1	18.68	10.4	NS	NS	2.2	17.9	14.8	12.9	19.2	15	16.1	9.6	15.9
sulfate	250	1	11.2708	33.9	NS	NS	3.2	U	U	U	U	1.3	U	0.87 F	1.1
TDS	500	10	13.874	5,850	NS	NS	1,640	11,400	11,300	10,100	10,400	8,750	8,810	7,090	8,360
TOC	--	1	U	U	NS	NS	13.2	U	U	U	1.5	U	U	U	U
phenolics, Total	--	0.005	0.09368	U	NS	NS	U	U	U	U	0.008 F	0.0050 F	U	0.013	0.004 F

For notes, please refer to the end of the tables section.

Table 5-1
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF5MW-100R																			
Date of Collection			9/12/2006		3/27/2007***		9/25/2007		3/27/2008		9/15/2008		4/7/2009		3/25/2010		6/9/2011		6/3/2013			
Sample ID No.			LF5M100R10NA		LF5M100R08OA		LF5M100R10PA		LF5M100R08QA		LF5M100R08RA		LF5M100R09SA		LF5M100R09TA		LF5M100R09UA		LF5M100R08VA			
Depth to Water (ft)			10.00		8.09		10.17		8.47		9.81		8.55		8.95		8.59		8.25			
VOCs (µg/L)																						
1,2,3-trichlorobenzene	5	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
1,2,4-trichlorobenzene	5*	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
1,2,4-trimethylbenzene	5*	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
1,3,5-trimethylbenzene	5*	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
4-chlorotoluene	5*	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
acetone	50	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
carbon disulfide	1,000	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
chlorobenzene	5*	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
chloroform	7	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
naphthalene	10	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
o-xylene	5*	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
styrene	50*	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
toluene	5*	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
vinyl acetate	--	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
Metals (µg/L) [Dissolved / Total]†																						
aluminum	2,000	200	U	3,620	U	850	U	160F	U	690	U	240	U	2,500	760	840	NA	NA	NA			
antimony	3	50	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA	NA			
arsenic	25	30	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA	NA			
barium	1,000	50	5,970	6,050	6,700	5,700	8,500J	4,000J	10,000 J	1,700 J	3,900	4,100	4,300	4,800	360	360	NA	NA	NA			
beryllium	3	4	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA	NA			
boron, Total	1,000	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
cadmium	5	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA	NA			
calcium	--	1,100	309,000	311,000	370,000	360,000	330,000	290,000	420,000 J	300,000 J	270,000	290,000	290,000	300,000	210,000	210,000	NA	NA	NA			
chromium	50	10	U	12.6	6.9 F	11	U	6.2F	U	13	U	5.1 F	U	24	U	5.6 F	NA	NA	NA			
cobalt	--	60	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA	NA			
copper	200	10	U	19.4	U	U	U	U	U	U	U	U	U	9.5 F	U	U	NA	NA	NA			
iron	300	200	U	7,770	U	1,200	U	240	U	660	U	110 F	U	4,300	U	170 F	NA	NA	NA			
lead	25	25	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA	NA			
magnesium	35,000	1,000	30,000	32,900	45,000	37,000	70,000F	19,000F	85,000 F	4,100 J	2,300	9,300	26,000	37,000	U	250 F	NA	NA	NA			
manganese	300	10	5.68 F	170	U	140	140J	79J	190 J	30 J	U	19	U	310	U	4.2 F	NA	NA	NA			
molybdenum	--	15	3.63 F	5.01 F	U	U	U	3.1F	U	3.9 F	3.4 F	3.8 F	U	U	U	U	NA	NA	NA			
nickel	100	20	U	11.9 F	U	3.4 F	U	2.2F	U	6.1 F	U	2.0 F	U	17 F	U	U	NA	NA	NA			
potassium	--	1,000	62,800	61,700	65,000	54,000	62,000F	37,000F	74,000 F	21,000 F	42,000	46,000	39,000	43,000	9,200	9,000	NA	NA	NA			
selenium	10	30	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA	NA			
silver	50	10	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA	NA			
sodium	20,000	1,000	2,920,000	2,890,000	3,300,000	2,800,000	3,800,000J	1,800,000J	4,400,000 J	760,000 J	1,900,000	2,100,000	1,900,000	2,100,000 *	170,000	160,000	NA	NA	NA			
thallium	0.5	80	16.8 F	24.7 F	U	U	U	U	U	U	U	6.0 F	U	U	U	U	NA	NA	NA			
vanadium	--	10	U	6.94 F	U	2.0 F	U	U	U	1.3 F	U	U	U	5.2 F	U	U	NA	NA	NA			
zinc	2,000	20	24.7 B	62.6 B	U	U	26F	43	U	13 F	15 F	15 F	11 F	25	11 F	6.5 F	NA	NA	NA			
PCBs (µg/L) [Filtered/Unfiltered]																						
aroclor 1242	0.09	0.5	UJ	U	U	NA	U	U	U	U	NA	NA	NA	NA	NA	NA	NA	NA	NA			
aroclor 1248	0.09	0.5	0.255 F	U	U	NA	U	U	U	U	NA	NA	NA	NA	NA	NA	NA	NA	NA			
Leachate Indicators (mg/L)																						
alkalinity, Total	--	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	38	320						
ammonia	2	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	23	13						
BOD5	--	2.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	U	13						
bromide	2	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	67	10						
COD	--	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	120	32						
chloride	250	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6,500	940						
color	15	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	U	U						
cyanide	200	0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	U						
fluoride	1	1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	U	0.13 J						
hardness, Total	--	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,400	790						
nitrate	10	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	U	U						
TKN	1	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	18	11						
sulfate	250	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.4 F	1.6 J						
TDS	500	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10,000	2,600 B						
TOC	--	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.55 F	0.37 J						
phenolics, Total	--	0.005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	U						

For notes, please refer to the end of the tables section.

Table 5-1
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	MW49D07												
Date of Collection			1/9/1999 [§]	2/3/2003	6/17/2003	9/8/2003	12/1/2003	3/29/2004	6/21/2004	9/14/2004	12/10/2004	3/31/2005	6/20/2005	9/6/2005	12/12/2005
Sample ID No.			MW49D0706AB	MW49D0709AA	MW49D0705BB	LF5M49D0707C A	MW49D0704DA	MW49D0704EA	M49D0705FA	M49D0705GA	M49D0705HA	M49D0705IA	M49D0705JA	M49D0705KA	M49D0705LA
Depth to Water (ft)			5.55	4.90	4.87	7.48	4.08	3.85	4.47	4.88	4.91	5.80	4.79	5.11	4.65
VOCs (µg/L)															
1,2,3-trichlorobenzene	5	1	NA	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA
1,2,4-trichlorobenzene	5*	1	NA	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA
1,2,4-trimethylbenzene	5*	1	NA	0.06 M	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA
1,3,5-trimethylbenzene	5*	1	NA	0.06 M	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA
4-chlorotoluene	5*	1	NA	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA
acetone	50	10	5.5 F	U	U	NA	NA	U	NA	NA	NA	1.9 F	NA	NA	NA
carbon disulfide	1,000	0.5	U	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA
chlorobenzene	5*	0.5	U	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA
chloroform	7	0.3	U	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA
naphthalene	10	1	0.06 F	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA
o-xylene	5*	1	NA	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA
styrene	50*	1	NA	0.05 M	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA
toluene	5*	1	U	0.40 F	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA
vinyl acetate	--	5	NA	1.06 M	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA
Metals (µg/L) [Dissolved / Total] ¹															
aluminum	2,000	200	13,220	U	368	1,300	2,100	1,270	5,640	11,100	4,630	1,080	2,580	5,100	13,200
antimony	3	50	U	U	U	U	U	U	U	U	U	U	U	U	U
arsenic	25	30	9 F	U	U	U	U	U	U	U	U	3 F	U	U	5 F
barium	1,000	50	192.3	151.8	6,410	171	208	192	199	236	198	164	172	186	230
beryllium	3	4	0.4 F	U	0.60 F	U	U	U	U	U	U	U	U	U	0.7 F
boron, Total	1,000	10	78 F	U	438	NA	NS	19.9	NA	NA	NA	19.5	NA	NA	NA
cadmium	5	5	2.8 F	U	U	U	U	U	U	U	U	U	U	U	U
calcium	--	1,100	103,330	91,608.3	266,000	97,700	97,200	95,200	102,000	114,000	101,000	89,500	93,200	95,900	115,000
chromium	50	10	18	2.2 F	17.7	U	2.8 F	U	7.5 F	12.9	6 F	1.5 F	2.7 F	5.8 F	15.4
cobalt	--	60	6.5	U	2.8 F	U	U	U	3.2 F	6.1 F	1.5 F	U	1.2 F	3.4 F	7.5 F
copper	200	10	14	U	15.5	U	4.1 F	U	15.8	20.7	6.1 F	1.8 F	U	10.3	24.9
iron	300	200	18,178	3,634.1	646	1,420	8,310	7,330	8,620	15,000	8,110	3,190	1,840	7,760	18,700
lead	25	25	10.0 F	U	U	U	U	U	3.8 F	6.1 F	U	U	U	2.6 F	6.5 F
magnesium	35,000	1,000	31,652	27,269.3	60,800	26,300	26,900	25,800	30,000	35,200	26,900	21,800	23,600	23,600	30,500
manganese	300	10	1,147.7	318.3	407	264	833	645	542	747	564	830	305	446	700
molybdenum	--	15	U	4.9 F	9.2 F	U	U	U	U	U	U	0.8 F	U	U	U
nickel	100	20	14	U	59.3	U	U	U	5.4 F	13.4 F	4.4 F	1.5 F	1.8 F	7 F	17 F
potassium	--	1,000	31,652	843.5 F	38,200	1,760	1,990	1,530	2,950	4,920	2,500	1,460	1,960	2,480	5,100
selenium	10	30	U	10.6 F	U	U	U	U	U	U	U	U	U	U	U
silver	50	10	U	U	U	U	U	U	U	U	U	U	U	U	U
sodium	20,000	1,000	7,950	1,660.6	2,440,000	1,510	1,800	1,230	3,200	2,500	2,420	2,390	2,980	1,930	2,380
thallium	0.5	80	U	U	6.2 F	U	U	U	U	U	U	U	U	U	U
vanadium	--	10	28	1.7 F	U	3 F	4.5 F	2.8 F	10	19	7.7 F	2 F	4.3 F	8.2 F	22.2
zinc	2,000	20	45	8.2 F	28	U	13.1 F	7.3 F	20.3	40.1	18.6 F	8.1 F	4.9 F	25.1	37.5
PCBs (µg/L) [Filtered/Unfiltered]															
aroclor 1242	0.09	0.5	NA	U	U	U	U	U	U	U	U	U	NA	NA	NA
aroclor 1248	0.09	0.5	NA	U	U	U	U	U	U	U	U	U	NA	NA	NA
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	296	295	273	296	331	288	264	90.2	181	270	270	280	299
ammonia	2	0.2	U	U	U	U	U	U	0.029 F	0.064	0.046 F	0.062	U	0.052	U
BOD5	--	2.4	2.40 UJ	U	U	U	U	U	U	U	U	U	U	U	U
bromide	2	0.5	U	U	U	U	U	U	U	U	U	U	U	U	0.19 F
COD	--	5	8.7	19.38	24.2	U	12 B	40	16.4	U	U	37.3	U	13.3	3.1 F
chloride	250	1	6.78 F	3.0623	1.8	1.9	2.3	0.41 F	2.1	5.4	4.8	1.9	2.3	4	7.5
color	15	5	10 J	10	120	NA	NA	80	NA	NA	NA	400 F	NA	NA	NA
cyanide	200	0.02	U	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA
fluoride	1	1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
hardness, Total	--	1	12	271.88	960	421	430	352	348	480	360	308	328	390	620
nitrate	10	1	0.19 UJ	U	U	U	U	U	0.027 F	U	0.030 F	U	U	U	U
TKN	1	1	U	U	0.46	0.74	0.29	0.50	U	0.56	0.58 B	0.46 B	0.2	0.62	0.91 B
sulfate	250	1	29.60 F	26.8659	30.4	27.9	29.8	27.6	30.2	35.9	43.3	44.2	39.7	33.1	40.7
TDS	500	10	355	278	353	358	364	333	372	411	372	317	346	370	419
TOC	--	1	5.09	4.53	2.9	3.7	4	2.7	2.7	3.8	5.2	4.8	5.3	4.6	3.5
phenolics, Total	--	0.005	0.00236 UJ	U	U	U	U	U	U	U	0.0097 F	U	0.0070 F	U	U

For notes, please refer to the end of the tables section.

Table 5-1
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	MW49D07																	
Date of Collection			3/9/2006	9/12/2006	3/28/2007	9/24/2007	3/27/2008	9/15/2008	4/7/2009	3/25/2010	6/9/2011	6/3/2013								
Sample ID No.			M49D0705MA	M49D0705NA	M49D0703OA	MW49D0705PA	MW49D0705QA	MW49D0705RA	MW49D0704SA	MW49D0704TA	MW49D0704UA	MW49D0703VA								
Depth to Water (ft)			4.78	4.89	3.32	5.15	3.69	4.79	3.71	4.07	3.93	3.24								
VOCs (µg/L)																				
1,2,3-trichlorobenzene	5	1	U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
1,2,4-trichlorobenzene	5*	1	U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
1,2,4-trimethylbenzene	5*	1	U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
1,3,5-trimethylbenzene	5*	1	U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
4-chlorotoluene	5*	1	U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
acetone	50	10	U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
carbon disulfide	1,000	0.5	U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
chlorobenzene	5*	0.5	U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
chloroform	7	0.3	U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
naphthalene	10	1	U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
o-xylene	5*	1	U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
styrene	50*	1	U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
toluene	5*	1	U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
vinyl acetate	--	5	U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
Metals (µg/L) [Dissolved / Total] ¹																				
aluminum	2,000	200	4,150	U	2,180	U	3,300	U	3,400	44 F	940	U	900	U	440	U	610	NA	NA	
antimony	3	50	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA	
arsenic	25	30	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA	
barium	1,000	50	184	155	172	150	170	170	210	190	220	210	240	200	240	190	190	NA	NA	
beryllium	3	4	U	U	U	U	U	U	U	0.11 F	U	U	U	U	U	U	U	NA	NA	
boron, Total	1,000	10	24.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
cadmium	5	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA	
calcium	--	1,100	99,400	90,700	92,100	93,000	99,000	100,000	120,000	110,000	110,000	130,000	150,000	100,000	110,000	96,000	96,000	NA	NA	
chromium	50	10	5.3 F	U	3.85 F	2.9 F	7.2 F	3F	6.7F	2.5 F	3.1 F	2.9 F	4.3 F	U	2.9 F	U	U	NA	NA	
cobalt	--	60	2.1 F	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA	
copper	200	10	5.9 F	U	3.05 F	U	5.3 F	U	4.9F	U	U	U	U	U	U	U	U	NA	NA	
iron	300	200	4,840	65.8 F	2,890	U	3,900	10F	5,100	13 F	3,900	420	2,000	8.4 F	2,100	27 F	1,100	NA	NA	
lead	25	25	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA	
magnesium	35,000	1,000	23,800	20,600	20,900	20,000	22,000	22,000	26,000	25,000	25,000	28,000	32,000	22,000	24,000	22,000	22,000	NA	NA	
manganese	300	10	379	242	316	180	550	330	440	310	970	590	870	290	590	260	390	NA	NA	
molybdenum	--	15	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA	
nickel	100	20	4.3 F	U	2.78 F	U	3.0 F	U	4.6F	U	U	U	1.4 F	U	U	U	U	NA	NA	
potassium	--	1,000	2,390	924 F	1,740	1,100	2,300	1,200	2,300	1,200	1,400	1,300	1,700	1,200	1,400	1,400	1,600	NA	NA	
selenium	10	30	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA	
silver	50	10	U	U	U	U	U	U	U	U	U	0.97 F	U	U	U	U	U	NA	NA	
sodium	20,000	1,000	3,190	3,250 B	3,120 B	3,900	4,200	4,400	5,000	7,500	7,000	7,100	8,000	20,000	25,000	22,000	22,000	NA	NA	
thallium	0.5	80	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA	
vanadium	--	10	7.1 F	U	4.18 F	U	5.9 F	U	5.8F	U	1.9 F	U	1.8 F	U	U	U	U	NA	NA	
zinc	2,000	20	13.5 F	35.8 B	35.2 B	U	12 F	U	15F	9.5 F	14 F	15 F	14 F	13 F	15 F	42 F	6.4 F	NA	NA	
PCBs (µg/L) [Filtered/Unfiltered]																				
aroclor 1242	0.09	0.5	U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
aroclor 1248	0.09	0.5	U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Leachate Indicators (mg/L)																				
alkalinity, Total	--	10	267	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	370	310			
ammonia	2	0.2	0.023 F	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.14	0.10			
BOD5	--	2.4	U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	U	12			
bromide	2	0.5	U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	U	U			
COD	--	5	22.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.3 F	14 J			
chloride	250	1	4.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13	39			
color	15	5	140	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	U	U			
cyanide	200	0.02	0.0052 F	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	U			
fluoride	1	1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	U	U			
hardness, Total	--	1	370	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	360	470			
nitrate	10	1	U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	U	U			
TKN	1	1	0.58 B	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.79 F	0.55 J			
sulfate	250	1	39.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	18	27			
TDS	500	10	334	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	390	450 B			
TOC	--	1	4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.3	4.1			
phenolics, Total	--	0.005	U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	U			

For notes, please refer to the end of the tables section.

Table 5-1
Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class A Surface Water Standards	Reporting Limit	LF5SW-1												
Date of Collection			2/6/2003	6/16/2003	9/8/2003	12/1/2003	3/26/2004	6/18/2004	9/13/2004	12/13/2004	3/30/2005	6/20/2005	9/6/2005	12/12/2005	3/9/2006
Sample ID No.			LF5SW0101AA	LF5SW0100BA	LF5SW0101CA	LF5SW0101DA	LF5SW0101EA	LF5SW0101FA	LF5SW0101GA	LF5SW0101HA	LF5SW0101IA	LF5SW0101JA	LF5SW0101KA	LF5SW0101LA	LF5SW0101MA
Depth to Water (ft)			Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface
VOCs (µg/L)															
1,2,4-trimethylbenzene	5	1	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U
1,2-dichlorobenzene	3	1	U	U	NA	NA	U	NA	NA	NA	1.7	NA	NA	NA	U
1,3,5-trimethylbenzene	5	1	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U
1,4-dichlorobenzene	3	0.5	U	U	NA	NA	U	NA	NA	NA	0.96	NA	NA	NA	U
acetone	50	10	U	U	NA	NA	U	NA	NA	NA	3.5 F	NA	NA	NA	U
benzene	1	0.1	0.13 F	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U
chlorobenzene	5	0.5	0.45 F	0.52	NA	NA	0.26 F	NA	NA	NA	6.7	NA	NA	NA	0.53
chloroform	7	0.3	0.17 F	U	NA	NA	0.29 F	NA	NA	NA	0.29 F	NA	NA	NA	U
naphthalene	10	1	U	U	NA	NA	U	NA	NA	NA	0.21 F	NA	NA	NA	U
trichloroethene	5	1	0.31 F	U	NA	NA	0.26 F	NA	NA	NA	0.27 F	NA	NA	NA	U
toluene	5	1	0.10 F	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U
vinyl acetate	--	5	UJ	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U
Metals (µg/L) [Dissolved / Total] ¹															
aluminum	100	200	U	508	42.9 F	111 F	202	U	U	379	102	137 F	U	441	50.2 F
antimony	3	50	U	U	U	U	U	U	U	U	U	U	U	U	U
arsenic	50	30	U	U	U	U	U	U	U	U	U	U	U	U	U
barium	1,000	50	44.5 F	60.2	57.8	37.6 F	34.6 F	49.9 F	48.2 F	32.7 F	41.7 F	46.5 F	49.8 F	48.8 F	48.3 F
beryllium	3	4	U	U	0.3 F	U	U	U	U	U	U	U	U	U	U
boron, Total	1,000	110	U	67.5 B	NA	NS	17.8	NA	NA	NA	24.2	NA	NA	NA	25.8
cadmium	5	5	U	U	U	U	U	U	U	U	U	U	U	U	U
calcium	--	1,100	95,594.8	101,000	112,000	68,800	85,900	111,000	102,000	77,800	120,000	142,000	131,000	117,000	117,000
chromium	50	10	U	2.5 F	U	U	U	1.1 F	U	U	0.8 F	U	U	U	0.9 F
cobalt	5	60	U	U	U	U	U	U	U	U	U	U	U	U	U
copper	200	10	U	3.9 F	U	2.5 F	U	4.2 F	2 F	3.1 F	U	3.3 F	U	2.4 F	U
iron	300	200	78.6 F	991	58.4 F	232	298	98.1 F	139 F	442	166 F	472	237	622	241
lead	50	25	U	6.2 F	U	U	U	U	U	U	U	U	U	U	U
magnesium	35,000	1,000	15,486.9	16,500	18,500	9,380	11,800	16,900	15,500	9,510	14,900	18,900	20,100	16,500	17,200
manganese	300	10	62.8	164	71.8	68.3	64.9	65.2	71.4	139	326	758	559	446	432
molybdenum	--	15	3.9 F	U	U	U	U	2.1 F	U	2.6 F	2 F	6.2 F	U	U	U
nickel	100	20	U	U	U	U	U	U	U	U	U	1.7 F	U	U	U
potassium	--	1,000	1,492.5	2,180	2,050	2,080	1,880	2,210	2,230	1,980 F	2,500	3,370	2,440	2,680	2,280
selenium	10	30	U	U	U	U	U	U	U	U	U	U	U	U	U
silver	50	10	U	U	U	U	U	U	U	U	U	U	U	U	U
sodium	--	1,000	90,342	76,300	94,000	199,000	88,200	98,400	92,400	98,500	110,000	101,000	109,000	102,000	110,000
thallium	0.5	80	U	U	U	U	U	U	U	U	U	U	U	U	U
vanadium	--	10	U	3.9 F	U	U	U	U	U	3.3 F	2.5 F	1.9 F	U	1.7 F	U
zinc	2,000	20	14.5 F	U	U	27.3	10.7 F	12.1 F	U	12.4 F	10 F	7.4 F	5.1 F	9.4 F	6.6 F
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	232	222	254	166	172	222	241	163	207	262	285	241	230
ammonia	2	0.2	U	U	0.092 B	U	U	U	0.037	0.13	U	0.076 F	0.024 F	0.029 F	0.025 F
BOD5	--	2.4	U	7.1 B	U	U	U	U	U	U	U	U	U	2.5	U
bromide	2	0.5	U	U	U	U	U	U	U	U	U	U	U	6.6	U
COD	--	5	U	U	U	U	U	U	U	U	U	9.3 F	U	U	U
chloride	250	1	160.3862	148	163	300	195	192	172	209	274	250	218	180	224
color	15	5	U	10	NA	NA	20	NA	NA	NA	15 J	NA	NA	NA	5
cyanide	200	0.02	0.00173 F	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	0.0084 F
fluoride	1	1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
hardness, Total	--	1	298.07	451	295	280	276	300	340	288	344	432	470	410	440
nitrate	10	1	1.4562	1	1.2	1.6	1.2	1.4	1.1	0.96 F	1.1	0.5 F	0.35 F	U	1.1
TKN	1	1	0.56	0.43	0.37	0.5	0.16 F	0.34 B	U	0.74	0.32	0.72	0.55	0.63 B	U
sulfate	250	1	42.954	48.8	46.8	29.3	33	43	0.14 F	53.1	62.6	99	67.8	58.6	53.6
TDS	500	10	559	577	641	712	536	657	598	535	665	813	771	684	677
TOC	--	1	1.01	1.2	1.1	1.4	1.1	0.85 F	0.75 F	2.3	1.8	3.4	2	0.57 F	0.85 F
phenolics, Total	--	0.005	U	U	U	U	0.0048 F	U	U	U	U	0.011	0.017	U	U

For notes, please refer to the end of the tables section.

Table 5-1
Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class A Surface Water Standards	Reporting Limit	LF5SW-1																			
Date of Collection			9/12/2006		3/28/2007		9/24/2007		3/27/2008		9/15/2008		4/7/2009		3/25/2010		6/10/2011		6/4/2013			
Sample ID No.			LF5SW0101NA		LF5SW0101OA		LF5SW0101PA		LF5SW0101QA		LF5SW0101RA		LF5SW0101SA		LF5SW0101TA		LF5SW0101UA		LF5SW0101VA			
Depth to Water (ft)			Surface		Surface		Surface		Surface		Surface		Surface		Surface		Surface		Surface			
VOCs (µg/L)																						
1,2,4-trimethylbenzene	5	1	NA		NA		NA		NA		NA		NA		NA		NA		NA			
1,2-dichlorobenzene	3	1	NA		NA		NA		NA		NA		NA		NA		NA		NA			
1,3,5-trimethylbenzene	5	1	NA		NA		NA		NA		NA		NA		NA		NA		NA			
1,4-dichlorobenzene	3	0.5	NA		NA		NA		NA		NA		NA		NA		NA		NA			
acetone	50	10	NA		NA		NA		NA		NA		NA		NA		NA		NA			
benzene	1	0.1	NA		NA		NA		NA		NA		NA		NA		NA		NA			
chlorobenzene	5	0.5	NA		NA		NA		NA		NA		NA		NA		NA		NA			
chloroform	7	0.3	NA		NA		NA		NA		NA		NA		NA		NA		NA			
naphthalene	10	1	NA		NA		NA		NA		NA		NA		NA		NA		NA			
trichloroethene	5	1	NA		NA		NA		NA		NA		NA		NA		NA		NA			
toluene	5	1	NA		NA		NA		NA		NA		NA		NA		NA		NA			
vinyl acetate	--	5	NA		NA		NA		NA		NA		NA		NA		NA		NA			
Metals (µg/L) [Dissolved / Total] ¹																						
aluminum	100	200	U	51.1 F	U	70 F	U	110 F	200 B	U	48 F	96 F	U	170 F	U	96 F	NA		NA			
antimony	3	50	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA		NA			
arsenic	50	30	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA		NA			
barium	1,000	50	36.4 F	37 F	37 F	37 F	53	56	37 F	38 F	68	85	38 F	41 F	48 F	50	NA		NA			
beryllium	3	4	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA		NA			
boron, Total	1,000	110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA			
cadmium	5	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA		NA			
calcium	--	1,100	109,000	107,000	96,000	95,000	110,000	110,000	97,000	100,000	110,000	120,000	91,000	90,000	100,000	100,000	NA		NA			
chromium	50	10	U	U	3.2 F	2.0 F	2.1 F	1.5 F	U	U	2.2 F	U	U	U	U	U	NA		NA			
cobalt	5	60	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA		NA			
copper	200	10	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA		NA			
iron	300	200	25.8	319	6.3 F	180 F	24 F	280	13 F	160 F	29 F	510	120 F	500	93 F	330	NA		NA			
lead	50	25	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA		NA			
magnesium	35,000	1,000	17,600	17,600	13,000	12,000	17,000	18,000	14,000	14,000	18,000	19,000	13,000	12,000	15,000	16,000	NA		NA			
manganese	300	10	250	249	120	130	370	390	120	120	470	500	180	160	150	210	NA		NA			
molybdenum	--	15	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA		NA			
nickel	100	20	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA		NA			
potassium	--	1,000	1,910	1,970	2,000	2,000	2,000	2,000	2,000	2,000	2,200	2,300	1,900	1,900	2,000	2,200	NA		NA			
selenium	10	30	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA		NA			
silver	50	10	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA		NA			
sodium	--	1,000	97,700	99,200	110,000	110,000	110,000	110,000	99,000	100,000	98,000	110,000	90,000	90,000	98,000	96,000	NA		NA			
thallium	0.5	80	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA		NA			
vanadium	--	10	U	U	U	U	U	U	U	U	U	1.1 F	U	U	U	U	NA		NA			
zinc	2,000	20	25.8 B	22.5 B	6.3 F	7.6 F	2.7 B	5.2 F	16 F	24 B	17 F	17 F	19 F	23	12 F	14 F	NA		NA			
Leachate Indicators (mg/L)																						
alkalinity, Total	--	10	NA		NA		NA		NA		NA		NA		NA		200		210			
ammonia	2	0.2	NA		NA		NA		NA		NA		NA		NA		0.14		0.094 J			
BOD5	--	2.4	NA		NA		NA		NA		NA		NA		NA		U		19			
bromide	2	0.5	NA		NA		NA		NA		NA		NA		NA		U		U			
COD	--	5	NA		NA		NA		NA		NA		NA		NA		9.0 F		15 J			
chloride	250	1	NA		NA		NA		NA		NA		NA		NA		140		190			
color	15	5	NA		NA		NA		NA		NA		NA		NA		U		U			
cyanide	200	0.02	NA		NA		NA		NA		NA		NA		NA		NA		U			
fluoride	1	1.5	NA		NA		NA		NA		NA		NA		NA		0.086 F		0.061 J			
hardness, Total	--	1	NA		NA		NA		NA		NA		NA		NA		260		290			
nitrate	10	1	NA		NA		NA		NA		NA		NA		NA		0.8		0.25 J			
TKN	1	1	NA		NA		NA		NA		NA		NA		NA		0.53 F		0.69 J			
sulfate	250	1	NA		NA		NA		NA		NA		NA		NA		33		36			
TDS	500	10	NA		NA		NA		NA		NA		NA		NA		500		580 B			
TOC	--	1	NA		NA		NA		NA		NA		NA		NA		1.6		3.1			
phenolics, Total	--	0.005	NA		NA		NA		NA		NA		NA		NA		NA		U			

For notes, please refer to the end of the tables section.

Table 5-1
Groundwater and Surface Water Sampling Results

Location of Well			LF5SW-2													
Date of Collection	NYSDEC Class A Surface Water Standards	Reporting Limit	2/6/2003	6/16/2003	9/8/2003	12/1/2003	3/26/2004	6/18/2004	9/13/2004	12/13/2004	3/30/2005	6/20/2005	9/6/2005	12/12/2005	3/9/2006	
Sample ID No.			LF5SW0201AA	LF5SW0201BA	LF5SW0201CA	LF5SW0201DA	LF5SW0201EA	LF5SW0201FA	LF5SW0201GA	LF5SW0201HA	LF5SW0201IA	LF5SW0201JA	LF5SW0201KA	LF5SW0201LA	LF5SW0201MA	
Depth to Water (ft)			Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface
VOCs (µg/L)																
1,2,4-trimethylbenzene			5	1	U	U	NA	NA	U	NA	NA	NA	0.47 F	NA	NA	NA
1,2-dichlorobenzene	3	1	U	U	NA	NA	U	NA	NA	NA	4.3	NA	NA	NA	0.82 F	
1,3,5-trimethylbenzene	5	1	U	U	NA	NA	U	NA	NA	NA	0.78 F	NA	NA	NA	U	
1,4-dichlorobenzene	3	0.5	U	U	NA	NA	U	NA	NA	NA	2.1	NA	NA	NA	0.41 F	
acetone	50	10	U	U	NA	NA	U	NA	NA	NA	12	NA	NA	NA	2.8 F	
benzene	1	0.1	2.79	0.34 F	NA	NA	2.2	NA	NA	NA	3.5	NA	NA	NA	0.62	
chlorobenzene	5	0.5	2.55	1.3	NA	NA	1.8	NA	NA	NA	22	NA	NA	NA	5.5	
chloroform	7	0.3	0.15 F	U	NA	NA	0.29 F	NA	NA	NA	U	NA	NA	NA	U	
naphthalene	10	1	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	
trichloroethene	5	1	0.25 F	U	NA	NA	0.28 F	NA	NA	NA	U	NA	NA	NA	U	
toluene	5	1	0.13 F	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	
vinyl acetate	--	5	UJ	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U	
Metals (µg/L) [Dissolved / Total] ¹																
aluminum	100	200	U	70.4 F	25.5 F	139 F	229	U	115 F	290	786	224	U	166 F	37.8 F	
antimony	3	50	U	U	U	U	U	U	U	U	U	U	U	U	U	
arsenic	50	30	U	U	U	U	U	U	U	U	U	U	U	U	U	
barium	1,000	50	44.8 F	51.1	58.3	37.6 F	34.6 F	48.0 F	57.2	43.5 F	50.5	43.7 F	45.4 F	42.5 F	47.7 F	
beryllium	3	4	U	U	U	U	U	U	U	U	U	U	U	U	U	
boron, Total	1,000	110	U	63.6 B	NA	NS	18.3	NA	NA	NA	74.2	NA	NA	NA	23	
cadmium	5	5	U	U	U	U	U	U	U	U	U	U	U	U	U	
calcium	--	1,100	95,166.7	98,200	113,000	69,900	84,300	104,000	112,000	91,000	203,000	127,000	123,000	110,000	114,000	
chromium	50	10	1.0 F	U	U	U	U	U	U	U	1 F	U	U	U	1.1 F	
cobalt	5	60	U	U	U	U	U	U	U	U	1.4 F	U	U	U	U	
copper	200	10	U	U	U	2.8 F	U	3.4 F	2.8 F	3.2 F	8.3 F	3.7 F	U	1.7 F	U	
iron	300	200	128.0 F	109 F	50.3 F	215	382	119 F	382	540	1,320	457	214	288	205	
lead	50	25	U	U	U	U	U	U	U	U	U	U	U	U	U	
magnesium	35,000	1,000	15,931.8	15,500	19,200	9,510	11,500	16,200	15,900	11,400	12,800	19,200	19,500	15,600	16,900	
manganese	300	10	82.3	76.9	82.5	63.6	66.7	67.2	185	244	495	556	502	340	346	
molybdenum	--	15	4.0 F	U	U	U	U	U	3.5 F	3.5 F	19.8	4 F	U	2.9 F	U	
nickel	100	20	U	U	U	U	U	U	1.7 F	1.5 F	6.7 F	1.7 F	U	U	U	
potassium	--	1,000	1,356.3	2,030	1,990	2,040	1,820	2,070	2,660	2,270	4,540	2,790	2,380	2,650	2,010	
selenium	10	30	U	U	U	U	U	U	U	U	U	U	U	U	U	
silver	50	10	U	U	U	U	U	U	U	U	U	U	U	U	U	
sodium	--	1,000	86,248.3	83,000	94,800	185,000	82,700	90,200	89,400	98,500	34,100	102,000	105,000	102,000	113,000	
thallium	0.5	80	U	U	U	U	U	U	U	U	U	U	U	U	U	
vanadium	--	10	U	1.7 F	U	U	1.9 F	1.1 F	2.4 F	3.6 F	23.8	1.5 F	U	U	U	
zinc	2,000	20	13.5 F	U	U	19 F	11.6 F	11.0 F	7.3 F	11.5 F	6.6 F	8.4 F	4.4 F	6.7 F	8.7 F	
Leachate Indicators (mg/L)																
alkalinity, Total	--	10	240	229	258	170	172	224	246	161	184	253	274	233	233	
ammonia	2	0.2	U	U	U	U	U	0.1	0.079	0.068	0.2	0.069	0.013 F	U	0.057	
BOD5	--	2.4	U	6.9 B	U	U	U	U	U	U	7.5	U	U	U	U	
bromide	2	0.5	U	U	U	U	U	U	U	U	0.6	U	U	6.6	U	
COD	--	5	U	U	U	U	U	U	U	10.8	29.6	17.1	5.6 F	U	U	
chloride	250	1	154,286	155	170	234	178	184	177	195	79.1	241	217	180	230	
color	15	5	U	5	NA	NA	20	NA	NA	NA	70.1	NA	NA	NA	5	
cyanide	200	0.02	U	U	NA	NA	0.0086 F	NA	NA	NA	U	NA	NA	NA	U	
fluoride	1	1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
hardness, Total	--	1	298.07	300	400	250	268	296	350	312	594	424	440	460	370	
nitrate	10	1	1,106.1	1.1	1.1	1.7	1.3	1.3	0.99 F	0.94 F	1.6	0.55 F	0.32 F	U	0.99 F	
TKN	1	1	U	0.44	0.43	0.59	0.24	0.40 B	0.21	0.72	1.3	0.47	0.51	0.42 B	0.57 B	
sulfate	250	1	43,083.4	44	46.5	29.6	32.3	42.1	57.6	67.6	573	79.1	66.9	61	62	
TDS	500	10	550	583	633	707	516	631	618	586	874	764	748	706	657	
TOC	--	1	1.57	1	1.1	1.5	2.3	0.87 F	2.2	2.9	13.8	2.9	2	0.47 F	1.2	
phenolics, Total	--	0.005	U	0.011 B	U	U	U	U	U	U	0.0047 F	0.01	U	U	U	

For notes, please refer to the end of the tables section.

Table 5-1
Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class A Surface Water Standards	Reporting Limit	LF5SW-2																			
Date of Collection			9/12/2006		3/28/2007		9/24/2007		3/27/2008		9/15/2008		4/7/2009		3/25/2010		6/10/2011		6/4/2013			
Sample ID No.			LF5SW0201NA		LF5SW0201OA		LF5SW0201PA		LF5SW0201QA		LF5SW0201RA		LF5SW0201SA		LF5SW0201TA		LF5SW0201UA		LF5SW0201VA			
Depth to Water (ft)			Surface		Surface		Surface		Surface		Surface		Surface		Surface		Surface		Surface			
VOCs (µg/L)																						
1,2,4-trimethylbenzene	5	1	NA		NA		NA		NA		NA		NA		NA		NA		NA			
1,2-dichlorobenzene	3	1	NA		NA		NA		NA		NA		NA		NA		NA		NA			
1,3,5-trimethylbenzene	5	1	NA		NA		NA		NA		NA		NA		NA		NA		NA			
1,4-dichlorobenzene	3	0.5	NA		NA		NA		NA		NA		NA		NA		NA		NA			
acetone	50	10	NA		NA		NA		NA		NA		NA		NA		NA		NA			
benzene	1	0.1	NA		NA		NA		NA		NA		NA		NA		NA		NA			
chlorobenzene	5	0.5	NA		NA		NA		NA		NA		NA		NA		NA		NA			
chloroform	7	0.3	NA		NA		NA		NA		NA		NA		NA		NA		NA			
naphthalene	10	1	NA		NA		NA		NA		NA		NA		NA		NA		NA			
trichloroethene	5	1	NA		NA		NA		NA		NA		NA		NA		NA		NA			
toluene	5	1	NA		NA		NA		NA		NA		NA		NA		NA		NA			
vinyl acetate	--	5	NA		NA		NA		NA		NA		NA		NA		NA		NA			
Metals (µg/L) [Dissolved / Total] ¹																						
aluminum	100	200	U	96.6 F	U	87 F	U	63 F	46 F	51 F	42 F	72 F	U	68 F	U	U	NA		NA			
antimony	3	50	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA		NA			
arsenic	50	30	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA		NA			
barium	1,000	50	43.5 F	44.9 F	36 F	37 F	54	56	3.7 F	40 F	63	71	36 F	36 F	49 F	49 F	NA		NA			
beryllium	3	4	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA		NA			
boron, Total	1,000	110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA			
cadmium	5	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA		NA			
calcium	--	1,100	111,000	110,000	96,000	95,000	110,000	110,000	99,000	100,000	110,000	120,000	89,000	88,000	100,000	100,000	NA		NA			
chromium	50	10	U	2.12 F	3.3 F	2.5 F	1.8 F	1.8 F	U	U	2.3 F	3.0 F	U	U	U	U	NA		NA			
cobalt	5	60	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA		NA			
copper	200	10	U	U	U	U	U	2.2 F	U	U	U	U	U	U	U	U	NA		NA			
iron	300	200	29.8 F	167 F	8.4 F	190 F	26 F	290	8.7 F	160 F	28 F	400	19 F	160 F	67 F	180 F	NA		NA			
lead	50	25	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA		NA			
magnesium	35,000	1,000	17,600	17,700	12,000	12,000	19,000	19,000	14,000	15,000	19,000	20,000	12,000	12,000	16,000	16,000	NA		NA			
manganese	300	10	198	201	120	120	280	300	130	140	350	410	100	100	160	160	NA		NA			
molybdenum	--	15	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA		NA			
nickel	100	20	1.58 F	U	U	U	U	U	U	U	U	U	U	U	U	U	NA		NA			
potassium	--	1,000	1,850	1,960	2,100	2,000	2,000	2,100	2,100	2,100	2,200	2,300	1,900	1,900	2,100	2,100	NA		NA			
selenium	10	30	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA		NA			
silver	50	10	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA		NA			
sodium	--	1,000	101,000	102,000	110,000	110,000	100,000	100,000	95,000	99,000	100,000	110,000	92,000	90,000	97,000	97,000	NA		NA			
thallium	0.5	80	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA		NA			
vanadium	--	10	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA		NA			
zinc	2,000	20	30.5 B	2.62 B	6.2 F	7.6 F	15 F	7.0 F	13 F	22 B	18 F	15 F	19 F	18 F	15 F	13 F	NA		NA			
Leachate Indicators (mg/L)																						
alkalinity, Total	--	10	NA		NA		NA		NA		NA		NA		NA		180		170			
ammonia	2	0.2	NA		NA		NA		NA		NA		NA		NA		0.16		0.17			
BOD5	--	2.4	NA		NA		NA		NA		NA		NA		NA		U		10			
bromide	2	0.5	NA		NA		NA		NA		NA		NA		NA		U		U			
COD	--	5	NA		NA		NA		NA		NA		NA		NA		U		23			
chloride	250	1	NA		NA		NA		NA		NA		NA		NA		120		130			
color	15	5	NA		NA		NA		NA		NA		NA		NA		U		45			
cyanide	200	0.02	NA		NA		NA		NA		NA		NA		NA		NA		U			
fluoride	1	1.5	NA		NA		NA		NA		NA		NA		NA		U		U			
hardness, Total	--	1	NA		NA		NA		NA		NA		NA		NA		230		230			
nitrate	10	1	NA		NA		NA		NA		NA		NA		NA		0.71		U			
TKN	1	1	NA		NA		NA		NA		NA		NA		NA		0.49 F		0.85 J			
sulfate	250	1	NA		NA		NA		NA		NA		NA		NA		32		25			
TDS	500	10	NA		NA		NA		NA		NA		NA		NA		450		460 B			
TOC	--	1	NA		NA		NA		NA		NA		NA		NA		1.8		7.3			
phenolics, Total	--	0.005	NA		NA		NA		NA		NA		NA		NA		NA		U			

For notes, please refer to the end of the tables section.

Table 5-1
Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class A Surface Water Standards	Reporting Limit	LF5SW-3												
Date of Collection			2/6/2003	6/16/2003	9/8/2003	12/1/2003	3/26/2004	6/18/2004	9/13/2004	12/13/2004	3/30/2005	6/20/2005	9/6/2005	12/12/2005	3/9/2006
Sample ID No.			LF5SW0301AA	LF5SW0301BA	LF5SW0301CA	LF5SW0301DA	LF5SW0301EA	LF5SW0301FA	LF5SW0301GA	LF5SW0301HA	LF5SW0301IA	LF5SW0301JA	LF5SW0301KA	LF5SW0301LA	LF5SW0301MA
Depth to Water (ft)			Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface
VOCs (µg/L)															
1,2,4-trimethylbenzene	5	1	U	U	NA	NA	U	NA	NA	NA	0.27 F	NA	NA	NA	U
1,2-dichlorobenzene	3	1	U	U	NA	NA	U	NA	NA	NA	2.3	NA	NA	NA	0.44 F
1,3,5-trimethylbenzene	5	1	U	U	NA	NA	U	NA	NA	NA	0.37 F	NA	NA	NA	U
1,4-dichlorobenzene	3	0.5	U	U	NA	NA	U	NA	NA	NA	1.1	NA	NA	NA	U
acetone	50	10	U	U	NA	NA	U	NA	NA	NA	8.4 F	NA	NA	NA	2.7 F
benzene	1	0.1	1.43	0.22 F	NA	NA	1.1	NA	NA	NA	1.6	NA	NA	NA	0.49 F
chlorobenzene	5	0.5	1.35	0.96	NA	NA	1.1	NA	NA	NA	11	NA	NA	NA	3.4
chloroform	7	0.3	0.10 F	U	NA	NA	0.22 F	NA	NA	NA	U	NA	NA	NA	U
naphthalene	10	1	U	U	NA	NA	U	NA	NA	NA	0.2 F	NA	NA	NA	U
trichloroethene	5	1	0.18 F	U	NA	NA	0.21 F	NA	NA	NA	U	NA	NA	NA	U
toluene	5	1	0.22 F	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U
vinyl acetate	--	5	UJ	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	U
Metals (µg/L) [Dissolved / Total] ¹															
aluminum	100	200	U	153 F	52.3 F	247	196 F	U	164 F	4,280	551	152 F	U	136 F	63.3 F
antimony	3	50	U	U	U	U	U	U	U	U	U	U	U	U	U
arsenic	50	30	U	U	U	U	U	U	U	U	U	U	U	U	U
barium	1,000	50	48.1 F	59.3	61.8	40.9 F	31.5 F	52.5	64.3	63.9	39.9	42.9 F	45.3 F	40.1 F	49.2 F
beryllium	3	4	U	U	U	U	U	U	U	U	U	U	U	U	U
boron, Total	1,000	110	U	61.1 B	NA	NS	15.7	NA	NA	NA	48.7	NA	NA	NA	26.2
cadmium	5	5	U	U	U	U	U	U	U	0.6 F	0.4 F	U	U	U	U
calcium	--	1,100	91,794.4	95,700	110,000	68,000	66,000	102,000	109,000	92,400	129,000	127,000	123,000	105,000	119,000
chromium	50	10	U	U	U	1.8 F	1.8 F	1.0 F	U	5.6 F	1.2 F	U	U	U	1.3 F
cobalt	5	60	U	U	U	U	U	U	U	2.2 F	0.9 F	U	U	U	U
copper	200	10	U	U	U	4.7 F	5.1 F	4.1 F	2.6 F	12.4	5.5 F	2.9 F	U	1.9 F	U
iron	300	200	171.0 F	295	60 F	528	540	165 F	516	4,320	896	352	179	242	260
lead	50	25	U	U	U	33.3	U	U	U	13.2	2.5 F	U	U	U	U
magnesium	35,000	1,000	16,006.9	16,200	19,100	9,670	9,440	16,500	16,500	10,700	11,700	19,400	19,800	15,700	17,400
manganese	300	10	90.6	87.4	67.8	87.5	56.9	70.5	184	293	347	572	487	271	408
molybdenum	--	15	4.5 F	U	U	U	U	2.1 F	U	3 F	10.7 F	4.4 F	U	U	1.7 F
nickel	100	20	U	U	U	U	U	U	U	7.2 F	4.6 F	1.6 F	U	U	U
potassium	--	1,000	1,335.1	1,980	2,170	1,940	1,290	2,080	2,500	3,150 F	2,740	2,690	2,380	2,440	2,240
selenium	10	30	U	U	U	U	U	U	U	U	U	U	U	U	U
silver	50	10	U	U	U	U	U	U	U	U	U	U	U	U	U
sodium	--	1,000	82,992.5	79,000	97,400	182,000	55,800	88,000	85,100	323,000	23,600	101,000	106,000	103,000	132,000
thallium	0.5	80	U	U	U	U	U	U	U	U	U	U	U	U	U
vanadium	--	10	U	2.3 F	U	2.2	2.2 F	1.4 F	1.8 F	19.8	13.3	1.4 F	U	U	0.9 F
zinc	2,000	20	13.3 F	U	U	20	10.9 F	9.9 F	5.8	41	11.4 F	7.7 F	4.4 F	7.2 F	10.1 F
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	203	219	246	157	142	223	245	161	146	250	270	228	229
ammonia	2	0.2	U	U	U	0.05	U	0.024 F	0.11	0.062	0.18	U	0.022 F	0.023 F	0.028 F
BOD5	--	2.4	U	7.2 B	U	U	1.8 F	U	U	U	4.4	U	U	U	U
bromide	2	0.5	U	U	U	U	U	U	U	U	0.62	U	U	6.9	U
COD	--	5	9.77	U	U	12 B	35.4	U	22	U	28.6	U	U	U	U
chloride	250	1	142.9855	148	110	293	114	184	172	726	59.5	243	216	187	254
color	15	5	30	20	NA	NA	60	NA	NA	NA	100 J	NA	NA	NA	3
cyanide	200	0.02	U	U	NA	NA	U	NA	NA	NA	U	NA	NA	NA	0.0072 F
fluoride	1	1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
hardness, Total	--	1	298.07	345	358	400	212	308	335	320	414	396	420	340	430
nitrate	10	1	1.3597	U	1	1.7	1.9	1.3	0.97 F	1.2	2.4	0.53 F	0.28 F	U	1
TKN	1	1	U	0.45	0.49	0.75	0.63	0.51 B	0.14 F	0.16 F	1.3	0.36	0.58	0.77 B	0.91 B
sulfate	250	1	41.4313	42.9	45.8	28.9	25.1	43.2	49.7	80.8	319	79	65.8	53.2	58.6
TDS	500	10	532	577	599	666	388	615	627	1,170	634	711	731	670	660
TOC	--	1	4.42	1.9	1.3	4	5.6	1.1	2	2.4	17.6	2.9	2	0.62 F	1.1
phenolics, Total	--	0.005	U	U	U	U	0.0093 F	U	U	0.0091 F	U	0.014	0.009 F	U	U

For notes, please refer to the end of the tables section.

Table 5-1
Groundwater and Surface Water Sampling Results

Location of Well			LF5SW-3																			
Date of Collection	NYSDEC Class A Surface Water Standards	Reporting Limit	9/12/2006		3/28/2007		9/24/2007		3/27/2008		9/15/2008		4/7/2009		3/25/2010		6/10/2011		6/4/2013			
Sample ID No.			LF5SW0301NA	LF5SW0301OA	LF5SW0301PA	LF5SW0301QA	LF5SW0301RA	LF5SW0301SA	LF5SW0301TA	LF5SW0301UA	LF5SW0301VA											
Depth to Water (ft)			Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface		
VOCs (µg/L)																						
1,2,4-trimethylbenzene	5	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
1,2-dichlorobenzene	3	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
1,3,5-trimethylbenzene	5	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
1,4-dichlorobenzene	3	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
acetone	50	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
benzene	1	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
chlorobenzene	5	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
chloroform	7	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
naphthalene	10	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
trichloroethene	5	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
toluene	5	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
vinyl acetate	--	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
Metals (µg/L) [Dissolved / Total] ¹																						
aluminum	100	200	U	62.4 F	U	170 F	U	74 F	45 F	200	41 F	93 F	U	120 F	U	57 F	NA	NA				
antimony	3	50	U	U	U	U	1.7 F	U	U	U	U	U	U	U	U	U	NA	NA				
arsenic	50	30	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA				
barium	1,000	50	42.2 F	44.1 F	36 F	37 F	54	55	36 F	37 F	64	71	35 F	38 F	51	51	NA	NA				
beryllium	3	4	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA				
boron, Total	1,000	110	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
cadmium	5	5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA				
calcium	--	1,100	108,000	109,000	93,000	90,000	110,000	110,000	95,000	97,000	110,000	120,000	84,000	88,000	100,000	100,000	NA	NA				
chromium	50	10	U	3.18 F	2.9 F	2.3 F	2.3 F	2.5 F	U	U	2.1 F	2.8 F	U	U	U	U	NA	NA				
cobalt	5	60	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA				
copper	200	10	U	U	2.3 F	2.5 F	U	U	U	U	U	U	U	U	U	U	NA	NA				
iron	300	200	22.9 F	162 F	31 F	300	23 F	260	19 F	150 F	33 F	390	U	240	61 F	200	NA	NA				
lead	50	25	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA				
magnesium	35,000	1,000	17,400	17,700	12,000	12,000	19,000	19,000	14,000	14,000	19,000	20,000	12,000	13,000	17,000	17,000	NA	NA				
manganese	300	10	193	198	140	140	270	280	130	140	390	430	95	110	170	170	NA	NA				
molybdenum	--	15	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA				
nickel	100	20	U	U	U	U	U	U	U	U	U	1.4 F	U	U	U	U	NA	NA				
potassium	--	1,000	1,800	1,950	2,000	2,000	2,000	2,000	1,900	1,900	2,200	2,300	1,800	1,900	2,100	2,200	NA	NA				
selenium	10	30	U	U	U	U	U	U	U	U	2.8 F	U	U	U	U	U	NA	NA				
silver	50	10	U	U	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA				
sodium	--	1,000	100,000	103,000	100,000	100,000	100,000	100,000	94,000	96,000	98,000	110,000	89,000	91,000	97,000	97,000	NA	NA				
thallium	0.5	80	U	6.01 F	U	U	U	U	U	U	U	U	U	U	U	U	NA	NA				
vanadium	--	10	U	U	0.71 F	0.94 F	U	U	U	U	U	U	U	U	U	U	NA	NA				
zinc	2,000	20	49.9 B	29 B	U	9.4 F	26 B	U	16 F	21 B	18 F	65	16 F	19 F	20	87	NA	NA				
Leachate Indicators (mg/L)																						
alkalinity, Total	--	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	190	190					
ammonia	2	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.15	0.12					
BOD5	--	2.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	U	21					
bromide	2	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	U	U					
COD	--	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.3	21					
chloride	250	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	140	150					
color	15	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	U	U					
cyanide	200	0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	U					
fluoride	1	1.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	U	U					
hardness, Total	--	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	250	260					
nitrate	10	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.76	U					
TKN	1	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.51 F	1.0					
sulfate	250	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33	29					
TDS	500	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	490	530 B					
TOC	--	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.8	5.2					
phenolics, Total	--	0.005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	U					

For notes, please refer to the end of the tables section.

Table 5-2
Landfill 5 MAROS Trend Results

Well ID	Well Type	Number of Samples	Number of Detects	Mann-Kendall Statistic	Mann -Kendall Trend/ % Confidence		Linear Regression Trend/ % Confidence	
Bicarbonate								
LF5MW-100R	Tail	11	11	2	NT	53	S	69.8
LF5MW-1A	Source	14	14	8	NT	64.6	S	68.3
LF5MW-3	Tail	14	14	52	I	99.8	I	100
LF5MW-5	Tail	13	13	-28	D	95	D	99.5
MW49D07	Tail	14	14	-8	S	64.6	S	64.3
Carbonate (As C03)								
LF5MW-100R	Tail	11	11	11	NT	77.7	NT	68.7
LF5MW-1A	Source	14	14	18	NT	82.1	NT	64.3
LF5MW-3	Tail	14	14	30	PI	94.4	NT	85.1
LF5MW-5	Tail	14	14	-13	S	74.1	PD	94
MW49D07	Tail	14	14	14	NT	75.8	NT	84.4
Nitrogen								
LF5MW-100R	Tail	11	0	-26	ND	97.5	ND	87.8
LF5MW-1A	Source	14	12	-48	D	99.6	D	100
LF5MW-3	Tail	14	11	-20	NT	84.8	D	98.1
LF5MW-5	Tail	14	9	-22	NT	87.2	NT	86.2
MW49D07	Tail	14	2	-64	D	100	D	95.5
Total Organic Carbon								
LF5MW-100R	Tail	4	4	-6	D	95.8	PD	93.9
LF5MW-1A	Source	14	14	20	NT	84.8	I	95.8
LF5MW-3	Tail	14	14	-29	PD	93.7	NT	74
LF5MW-5	Tail	14	14	5	NT	58.5	I	98.6
MW49D07	Tail	14	14	33	I	96	PI	91.6

Notes:

D = Decreasing

I = Increasing

NA = Not applicable

NT = No trend

PD = Probably decreasing

PI = Probably increasing

S = Stable

* = One of the variables in the MAROS program is the value assigned to non-detects. This value was set at one half the detection limit, which causes a false positive for the COC's average concentration. Instead of 0 µg/L, the value of one half the detection limit was reported.

**Table 5-3
Landfill 5 AOC LTM Network**

Sampling Locations	Screen Interval Depth (ft MSL)	Sampling Rationale	Target Analytes/ Method Numbers¹	Matrix	# of Samples	Sampling Frequency	Evaluation Criteria
Groundwater LF5MW-3 MW49D07 LF5MW-5 LF5MW-100 LF5MW-1A Leachate Samples Surface Water LF5SW-1 LF5SW-2 LF5SW-3	459.25' – 449.25' 455.51' – 445.51' 459.49' – 449.49' 405.92' – 395.92' 465.6' – 455.6' ----- Depth to groundwater ranged from 4.90 to 21.80 ft bgs.	----- Downgradient of potential source and between landfill and hardfill Downgradient from potential source Downgradient from potential source Bedrock, downgradient Upgradient from potential None encountered ----- Potential contaminant receptor Potential contaminant receptor Potential contaminant receptor	<u>Landfill Leachate Indicators:</u> Anions – SW9056 Nitrogen (TKN) – 351.2 Ammonia – 350.2 COD – 410.4 BOD – 405.1 TOC – SW9060 TDS – 160.1 Alkalinity – 310.1 Phenols – SW9066 Hardness – 130.2 Color – 110.2 Boron – SW6010B	Water	8	Biennially	If downgradient wells do not exhibit exceedances of NYS Groundwater Standards or Base background levels for two successive monitoring events, evaluate monitoring frequency and number of wells.

1 Baseline parameters based on 6 NYCRR Part 360, Subpart 2, Appendix A.

Table 5-4
Landfill 5 AOC Historical LTM Network Optimization

Sampling Locations	Sampling Rationale	Target Analytes/ Method Numbers ¹	Sampling Frequency	Evaluation Criteria
Historical LTM Network Changes				
November 2011 (CERCLA Sites Optimization Plans)				
Analysis/Frequency Changes				
Groundwater LF5MW-3 MW49D07 LF5MW-5 LF5MW-100 LF5MW-1A Leachate Samples Surface Water LF5SW-1 LF5SW-2 LF5SW-3	----- Downgradient of potential source and between landfill and hardfill Downgradient from potential source Downgradient from potential source Bedrock, downgradient Upgradient from potential None encountered ----- Potential contaminant receptor Potential contaminant receptor Potential contaminant recept	<u>Landfill Leachate Indicators:</u> Anions – SW9056 Nitrogen (TKN) – 351.2 Ammonia – 350.2 COD – 410.4 BOD – 405.1 TOC – SW9060 TDS – 160.1 Alkalinity – 310.1 Phenols – SW9066 Hardness – 130.2 Color – 110.2 Boron – SW6010B	Biennially	If downgradient wells do not exhibit exceedances of NYS Groundwater Standards or Base background levels for two successive monitoring events, evaluate monitoring frequency and number of wells.
April 2009				
Analysis/Frequency Changes				
LF5MW-100R	Bedrock, downgradient	<u>PCBs</u> – SW8082	Semi-annually (Routine) Annually (Baseline)	Remove PCB analysis. No PCBs have been detected for several sampling rounds.

Table 5-4 (continued)
Landfill 5 AOC Historical LTM Network Optimization

June 2007				
Analysis/Frequency Changes				
LF5MW-100R	Bedrock, downgradient	<u>PCBs</u> – SW8082	Semi-annually (Routine) Annually (Baseline)	Semi-annual monitoring with semi-annual evaluation and recommendations. Samples collected for PCB analysis will be analyzed for both dissolved and total concentrations.

Table 5-4 (continued)
Landfill 5 AOC Historical LTM Network Optimization

Historical LTM Network Changes				
April 2006				
Analysis/Frequency Changes				
Groundwater LF5MW-3 MW49D07 LF5MW-5 LF5MW-100R LF5MW-1A Leachate Samples Surface Water LF5SW-1 LF5SW-2 LF5SW-3	----- Downgradient of potential source and between landfill and hardfill Downgradient from potential source Downgradient from potential source Bedrock, downgradient Upgradient from potential source If encountered Potential contaminant receptor Potential contaminant receptor Potential contaminant receptor	<u>Metals</u> – SW6010B (except Hg)	Semi-annually	Reduce sampling frequency from quarterly to semi-annually. Sampling frequency was reduced, due to the low concentrations of COCs.
All groundwater monitoring wells and surface water sampling locations	--	<u>Metals</u> – SW6010B (except Hg)	Semi-annually	Samples collected for metals analysis will be analyzed for both dissolved and total concentrations.

Table 5-4 (continued)
Landfill 5 AOC Historical LTM Network Optimization

Historical LTM Network Changes				
April 2006				
Analysis/Frequency Changes				
LF5MW-100R	Bedrock, downgradient	<u>PCBs</u> – SW8082	Semi-annually	Continued semi-annual sampling.
All groundwater monitoring wells and surface water sampling locations	--	<u>Metals</u> – SW6010B (except Hg)	Semi-annually	Analytes list was reduced, due to the low concentrations or absence of particular COCs. The following analytes were removed: all leachate indicators, mercury, PCBs, and VOCs.
March 2005				
Added Sampling Locations				
LF5MW-100R	Bedrock, downgradient	Same as above	Same as above	Quarterly monitoring with semi-annual evaluation and recommendations. Replaced bedrock monitoring well LF5MW-100.
Removed Sampling Locations				
LF5MW-100	Bedrock, downgradient	--	--	Removed from LTM network, the well's integrity was compromised when the concrete pad settled.

1 Target analytes are based on 6 NYCRR Part 360, Subpart 2, Appendix A.

Table 6-1
Landfill 6 Landfill Gas Monitoring Results

Sample Location	21-Dec-04				17-Jan-05				17-Feb-05				24-Mar-05				26-Apr-05			
	Barometric Pressure (in.) =			29.39	Barometric Pressure (in.) =			29.77	Barometric Pressure (in.) =			29.34	Barometric Pressure (in.) =			30.00	Barometric Pressure (in.) =			29.28
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF6GMP-01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF6GMP-02	NI	NI	NI	NI	NI	NI	NI	NI	---	---	---	---	---	---	---	---	0	0.0	19.6	0.4
LF6GMP-03	NI	NI	NI	NI	NI	NI	NI	NI	0	0.0	20.5	0.1	0	0.0	20.8	0.0	0	0.0	20.7	0.0
LF6GMP-04	NI	NI	NI	NI	NI	NI	NI	NI	0	0.0	20.3	0.1	0	0.0	20.2	0.3	0	0.0	20.4	0.0
LF6GMP-05	NI	NI	NI	NI	NI	NI	NI	NI	0	0.0	19.7	0.6	0	0.0	20.8	0.0	0	0.0	20.4	0.1
LF6GMP-06	NI	NI	NI	NI	NI	NI	NI	NI	0	0.0	19.5	0.5	0	0.0	19.1	0.5	0	0.0	19.6	0.5
LF6GMP-07	NI	NI	NI	NI	NI	NI	NI	NI	0	0.0	20.7	0.0	0	0.0	16.6	2.7	0	0.0	15.9	3.6
LF6GMP-08	NI	NI	NI	NI	NI	NI	NI	NI	---	---	---	---	---	---	---	---	4	0.2	11.3	8.1
LF6GMP-09	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF6GMP-10	NI	NI	NI	NI	NI	NI	NI	NI	---	---	---	---	---	---	---	---	0	0.0	20.4	0.1
LF6GMP-11	NI	NI	NI	NI	NI	NI	NI	NI	---	---	---	---	---	---	---	---	0	0.0	19.1	1.0
LF6GMP-12	NI	NI	NI	NI	NI	NI	NI	NI	---	---	---	---	---	---	---	---	0	0.0	16.7	3.5
LF6GMP-13	NI	NI	NI	NI	NI	NI	NI	NI	---	---	---	---	---	---	---	---	0	0.0	19.6	0.6
LF6GMP-14	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF6GMP-15S	NI	NI	NI	NI	NI	NI	NI	NI	0	0.0	20.7	0.0	0	0.0	20.9	0.0	0	0.0	20.7	0.0
LF6GMP-15D	NI	NI	NI	NI	NI	NI	NI	NI	0	0.0	20.8	0.0	0	0.0	20.9	0.0	0	0.0	20.6	0.0
LF6GMP-16S	NI	NI	NI	NI	NI	NI	NI	NI	0	0.0	20.6	0.0	0	0.0	20.8	0.0	0	0.0	20.5	0.0
LF6GMP-16D	NI	NI	NI	NI	NI	NI	NI	NI	0	0.0	20.1	0.2	0	0.0	20.9	0.0	0	0.0	20.7	0.0
LF6GMP-17S	NI	NI	NI	NI	NI	NI	NI	NI	0	0.0	20.6	0.0	0	0.0	21.0	0.0	0	0.0	20.6	0.0
LF6GMP-17D	NI	NI	NI	NI	NI	NI	NI	NI	0	0.0	20.5	0.0	0	0.0	21.1	0.0	0	0.0	20.7	0.0
LF6VENT-01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF6VENT-02	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF6VENT-03	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF6VENT-04	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF6VENT-05	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF6VENT-06	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF6VENT-07	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF6VENT-08	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF6VENT-09	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF6VENT-10	0	0.0	20.9	0.0	0	0.0	20.5	0.1	---	---	---	---	---	---	---	---	0	0.0	20.2	0.2
LF6VENT-11	0	0.0	18.2	1.8	0	0.0	17.4	2.1	---	---	---	---	---	---	---	---	0	0.0	18.7	0.9
LF6VENT-12	0	0.0	19.6	0.8	0	0.0	16.1	1.4	---	---	---	---	---	---	---	---	0	0.0	18.9	1.2
LF6VENT-13	0	0.0	20.6	0.3	0	0.0	14.7	3.4	---	---	---	---	---	---	---	---	0	0.0	17.6	1.0
LF6VENT-14	4	0.2	21.4	0.0	0	0.0	18.7	0.8	---	---	---	---	---	---	---	---	0	0.0	18.5	1.1
LF6VENT-15	2	0.1	21.4	0.0	0	0.0	17.6	0.9	---	---	---	---	---	---	---	---	0	0.0	17.6	1.4
LF6VENT-16	4	0.2	21.5	0.0	0	0.0	17.4	1.7	---	---	---	---	---	---	---	---	0	0.0	15.5	2.7

Notes:

NI = Not Installed.

NS = Not Sampled.

--- = Not Monitored.

Table 6-1
Landfill 6 Landfill Gas Monitoring Results

Sample Location	26-May-05				24-Jun-05				2-Aug-05				30-Aug-05				10-Oct-05			
	Barometric Pressure (in.) =			29.23	Barometric Pressure (in.) =			29.61	Barometric Pressure (in.) =			29.55	Barometric Pressure (in.) =			29.38	Barometric Pressure (in.) =			29.55
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF6GMP-01	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	0	0.0	15.1	1.0
LF6GMP-02	0	0.0	18.0	1.8	0	0.0	49.1	0.6	---	---	---	---	0	0.0	15.1	4.2	2	0.1	20.7	0.0
LF6GMP-03	0	0.0	20.7	0.1	0	0.0	20.2	0.1	---	---	---	---	0	0.0	18.4	1.0	0	0.0	20.7	0.0
LF6GMP-04	0	0.0	19.6	0.9	0	0.0	19.3	0.6	---	---	---	---	0	0.0	17.4	2.4	0	0.0	20.5	0.1
LF6GMP-05	2	0.1	20.3	0.5	0	0.0	19.6	0.5	---	---	---	---	0	0.0	18.8	1.6	0	0.0	20.4	0.1
LF6GMP-06	2	0.1	19.9	0.5	0	0.0	19.3	0.6	---	---	---	---	0	0.0	19.1	1.5	0	0.0	19.1	1.2
LF6GMP-07	0	0.0	20.9	0.1	0	0.0	19.4	0.7	---	---	---	---	0	0.0	14.4	5.9	0	0.0	20.8	0.0
LF6GMP-08	6	0.3	13.6	7.5	42	2.1	6.4	18.6	---	---	---	---	98	4.9	2.8	28.5	94	4.7	5.7	17.5
LF6GMP-09	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	2	0.1	18.7	0.5
LF6GMP-10	2	0.1	20.9	0.0	0	0.0	18.9	1.6	---	---	---	---	0	0.0	18.5	2.3	2	0.1	18.5	2.1
LF6GMP-11	2	0.1	18.8	2.1	0	0.0	18.1	2.5	---	---	---	---	0	0.0	15.9	5.2	2	0.1	20.6	0.1
LF6GMP-12	0	0.0	14.1	6.7	0	0.0	17.6	3.7	---	---	---	---	0	0.0	15.3	4.3	0	0.0	17.4	2.7
LF6GMP-13	2	0.1	19.8	0.9	0	0.0	18.3	1.9	---	---	---	---	0	0.0	16.9	3.5	2	0.1	16.6	3.7
LF6GMP-14	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF6GMP-15S	0	0.0	20.8	0.0	0	0.0	20.7	0.0	0	0.0	20.6	0.0	0	0.0	20.3	0.3	0	0.0	20.6	0.0
LF6GMP-15D	0	0.0	21.0	0.0	0	0.0	20.6	0.0	0	0.0	20.5	0.0	0	0.0	20.6	0.1	0	0.0	20.7	0.0
LF6GMP-16S	0	0.0	20.6	0.0	0	0.0	20.2	0.2	0	0.0	20.1	0.2	0	0.0	20.0	0.4	0	0.0	20.2	0.2
LF6GMP-16D	0	0.0	20.3	0.2	0	0.0	20.7	0.0	0	0.0	20.6	0.0	0	0.0	20.0	0.4	0	0.0	20.2	0.2
LF6GMP-17S	0	0.0	20.7	0.1	0	0.0	20.3	0.1	0	0.0	20.3	0.1	0	0.0	20.3	0.3	0	0.0	20.2	0.2
LF6GMP-17D	0	0.0	20.8	0.0	0	0.0	20.6	0.0	0	0.0	20.4	0.0	0	0.0	20.4	0.2	0	0.0	20.2	0.1
LF6VENT-01	NI	NI	NI	NI	NI	NI	NI	NI	---	---	---	---	14	0.7	5.1	2.2	0	0.0	19.5	0.2
LF6VENT-02	NI	NI	NI	NI	NI	NI	NI	NI	---	---	---	---	>100	9.6	2.5	0.0	0	0.0	20.7	0.0
LF6VENT-03	NI	NI	NI	NI	NI	NI	NI	NI	---	---	---	---	>100	23.8	0.0	15.2	0	0.0	20.4	0.4
LF6VENT-04	NI	NI	NI	NI	NI	NI	NI	NI	---	---	---	---	>100	8.5	10.7	3.7	>100	14.5	4.9	9.4
LF6VENT-05	NI	NI	NI	NI	NI	NI	NI	NI	---	---	---	---	>100	7.4	0.4	19.8	0	0.0	16.2	2.8
LF6VENT-06	NI	NI	NI	NI	NI	NI	NI	NI	---	---	---	---	>100	6.3	5.4	1.1	0	0.0	20.7	0.0
LF6VENT-07	NI	NI	NI	NI	NI	NI	NI	NI	---	---	---	---	0	0.0	6.4	13.7	0	0.0	20.7	0.0
LF6VENT-08	NI	NI	NI	NI	NI	NI	NI	NI	---	---	---	---	80	4.0	1.2	20.6	0	0.0	20.7	0.0
LF6VENT-09	NI	NI	NI	NI	NI	NI	NI	NI	---	---	---	---	0	0.0	15.6	4.4	0	0.0	20.8	0.0
LF6VENT-10	0	0.0	21.0	0.0	0	0.0	20.3	0.2	---	---	---	---	18	0.9	1.8	18.8	0	0.0	20.8	0.0
LF6VENT-11	0	0.0	21.0	0.0	0	0.0	18.4	1.6	---	---	---	---	0	0.0	12.0	7.8	0	0.0	20.7	0.0
LF6VENT-12	0	0.0	13.5	5.1	0	0.0	18.9	1.5	---	---	---	---	46	2.3	0.9	22.3	0	0.0	20.8	0.0
LF6VENT-13	0	0.0	17.2	2.6	0	0.0	16.2	2.8	---	---	---	---	0	0.0	7.8	11.1	0	0.0	20.7	0.0
LF6VENT-14	0	0.0	21.2	0.0	0	0.0	17.6	2.0	---	---	---	---	0	0.0	11.4	7.7	0	0.0	20.8	0.0
LF6VENT-15	0	0.0	21.1	0.0	0	0.0	10.6	8.1	---	---	---	---	>100	5.1	0.0	26.0	0	0.0	20.7	0.0
LF6VENT-16	0	0.0	21.2	0.0	0	0.0	11.9	6.2	---	---	---	---	38	1.9	0.3	19.5	0	0.0	20.7	0.0

Notes:
 NI = Not Installed.
 NS = Not Sampled.
 --- = Not Monitored.

Table 6-1
Landfill 6 Landfill Gas Monitoring Results

Sample Location	14-Nov-05				1-Dec-05				9-Jan-06				13-Jul-06				9-Oct-06			
	Barometric Pressure (in.) =			30.32	Barometric Pressure (in.) =			29.94	Barometric Pressure (in.) =			29.79	Barometric Pressure (in.) =			29.77-30.04	Barometric Pressure (in.) =			29.51-29.65
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF6GMP-01	0	0.0	14.0	0.8	0	0.0	19.2	0.3	0	0.0	17.2	0.5	0.0	0.0	16.5	11.2	0	0.0	9.6	3.0
LF6GMP-02	0	0.0	20.6	0.0	0	0.0	12.3	5.2	0	0.0	16.7	2.7	0.0	0.0	20.6	0.0	0	0.0	20.2	0.2
LF6GMP-03	0	0.0	20.6	0.0	0	0.0	18.3	0.7	0	0.0	19.3	0.4	0.0	0.0	20.6	0.0	0	0.0	21.0	0.1
LF6GMP-04	0	0.0	20.5	0.0	0	0.0	20.6	0.2	0	0.0	19.2	1.1	0.0	0.0	20.4	0.0	0	0.0	15.9	4.1
LF6GMP-05	0	0.0	20.6	0.0	0	0.0	18.2	1.9	0	0.0	20.5	0.0	0.0	0.0	20.6	0.0	0	0.0	18.1	2.1
LF6GMP-06	0	0.0	19.6	0.4	0	0.0	18.5	1.6	0	0.0	19.2	0.8	0.0	0.0	20.6	0.0	0	0.0	21.0	0.3
LF6GMP-07	0	0.0	20.5	0.0	0	0.0	13.6	6.1	0	0.0	20.2	0	0.0	0.0	20.6	0.0	0	0.0	13.7	6.1
LF6GMP-08	50	2.5	13.7	7.1	>100	9.1	0.1	24.0	>100	7.5	0.0	22.2	72.0	3.6	0.0	29.8	20	1.0	1.8	15.2
LF6GMP-09	0	0.0	20.5	0	0	0	15.5	4.1	0	0	18.2	1.3	0.0	0.0	20.7	0.0	0	0	20.3	0.6
LF6GMP-10	0	0.0	20.2	0.2	0	0.0	20.7	0.3	0	0.0	20.1	0.4	0.0	0.0	20.3	0.0	0	0.0	19.7	1.8
LF6GMP-11	0	0.0	20.5	0.0	0	0.0	16.0	3.3	0	0.0	20.5	0	0.0	0.0	20.6	0.0	0	0.0	14.8	5.5
LF6GMP-12	0	0.0	19.8	0.4	0	0.0	16.40	3.6	0	0.0	18.00	2.0	0.0	0.0	20.6	0.0	0	0.0	13.40	6.2
LF6GMP-13	0	0.0	16.0	3.4	0	0.0	16.5	3.4	0	0.0	16.6	3.3	0.0	0.0	20.4	0.1	0	0.0	15.6	4.0
LF6GMP-14	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF6GMP-15S	0	0.0	20.4	0.0	0	0.0	20.4	0.2	0	0.0	20.3	0.1	---	---	---	---	---	---	---	---
LF6GMP-15D	0	0.0	20.5	0.0	0	0.0	20.6	0.0	0	0.0	20.4	0.1	---	---	---	---	---	---	---	---
LF6GMP-16S	0	0.0	20.2	0.0	0	0.0	20.2	0.2	0	0.0	19.8	0.4	---	---	---	---	---	---	---	---
LF6GMP-16D	0	0.0	20.4	0.0	0	0.0	19.9	0.3	0	0.0	20.5	0.0	---	---	---	---	---	---	---	---
LF6GMP-17S	0	0.0	20.3	0.0	0	0.0	20.5	0.2	0	0.0	20.2	0.2	---	---	---	---	---	---	---	---
LF6GMP-17D	0	0.0	20.4	0.0	0	0.0	20.6	0.0	0	0.0	20.4	0.0	---	---	---	---	---	---	---	---
LF6VENT-01	0	0.0	20.5	0.0	0	0.0	15.8	0.2	0	0.0	20.5	0.0	0.0	0.0	19.1	0.3	1	0.1	14.6	1.2
LF6VENT-02	0	0.0	20.6	0.0	30	1.5	11.6	0.0	0	0.0	20.5	0.0	0.0	0.0	20.5	0.0	15	0.8	16.8	0.1
LF6VENT-03	0	0.0	20.5	0.0	34	1.7	4.4	7.1	0	0.0	20.3	0.0	0.0	0.0	18.4	1.3	18	0.9	15.6	2.8
LF6VENT-04	0	0.0	20.5	0.0	>100	5.9	4.2	4.5	0	0.0	20.4	0.0	62.0	3.1	12.9	4.4	>100	5.1	14.3	2.2
LF6VENT-05	0	0.0	20.4	0.0	0	0.0	9.8	6.7	0	0.0	20.3	0.0	0.0	0.0	19.9	0.3	0	0.0	19.3	1.4
LF6VENT-06	0	0.0	20.5	0.0	52	2.6	11.6	0.0	0	0.0	20.4	0.0	0.0	0.0	19.2	0.0	7	0.4	14.5	0.5
LF6VENT-07	0	0.0	20.5	0.0	0	0.0	15.4	3.7	0	0.0	20.4	0.0	0.0	0.0	18.6	1.4	0	0.0	12.6	5.2
LF6VENT-08	0	0.0	20.6	0.0	0	0.0	16.6	2.5	0	0.0	20.4	0.0	0.0	0.0	19.0	1.0	0	0.0	17.9	1.7
LF6VENT-09	0	0.0	20.5	0.0	0	0.0	17.8	1.9	0	0.0	20.6	0.0	0.0	0.0	19.3	0.4	0	0.0	16.2	3.1
LF6VENT-10	0	0.0	20.5	0.0	0	0.0	15.5	3.2	0	0.0	20.5	0.0	0.0	0.0	18.7	2.2	0	0.0	9.4	6.5
LF6VENT-11	0	0.0	20.5	0.0	0	0.0	16.1	3.2	0	0.0	20.2	0.0	0.0	0.0	19.1	0.8	0	0.0	6.2	7.3
LF6VENT-12	0	0.0	20.5	0.0	0	0.0	15.5	3.5	0	0.0	20.4	0.0	0.0	0.0	18.4	2.7	0	0.0	16.6	3.1
LF6VENT-13	0	0.0	20.5	0.0	0	0.0	13.4	4.8	0	0.0	20.5	0.0	0.0	0.0	16.4	2.6	0	0.0	12.7	5.4
LF6VENT-14	0	0.0	20.5	0.0	0	0.0	13.6	4.3	0	0.0	20.2	0.0	0.0	0.0	16.4	2.7	0	0.0	14.0	3.9
LF6VENT-15	0	0.0	20.5	0.0	0	0.0	8.9	7.3	0	0.0	20.3	0.0	0.0	0.0	13.8	7.1	5	0.3	9.7	7.4
LF6VENT-16	0	0.0	19.7	0.4	48	2.4	1.3	13.5	0	0.0	20.2	0.0	16.0	0.8	3.3	16.2	0	0.0	10.3	5.3

Notes:

NI = Not Installed.

NS = Not Sampled.

--- = Not Monitored.

Table 6-1
Landfill 6 Landfill Gas Monitoring Results

Sample Location	4-Jan-07				1-Jun-07				31-Jul-07				6-Oct-07				29-Jan-08			
	Barometric Pressure (in.) =			29.35-29.40	Barometric Pressure (in.) =			29.41-29.52	Barometric Pressure (in.) =			29.36-29.48	Barometric Pressure (in.) =			29.94	Barometric Pressure (in.) =			29.06-29.42
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF6GMP-01	0	0.0	19.4	0.4	0	0.0	14.9	1.7	0	0.0	16.1	2.5	0	0.0	13.1	3.3	0	0.0	18.0	1.3
LF6GMP-02	0	0.0	10.0	6.4	0	0.0	8.9	6.7	0	0.0	11.1	6.3	0	0.0	18.2	1.9	0	0.0	10.3	7.0
LF6GMP-03	0	0.0	13.9	2.5	0	0.0	14.9	1.7	0	0.0	15.4	2.1	0	0.0	17.2	1.7	0	0.0	19.0	1.0
LF6GMP-04	0	0.0	12.9	7.1	0	0.0	13.9	6.0	0	0.0	13.1	6.3	0	0.0	14.1	5.9	0	0.0	14.7	5.9
LF6GMP-05	0	0.0	20.5	0.4	0	0.0	18.2	1.7	0	0.0	18.8	1.8	0	0.0	18.4	2.0	0	0.0	18.2	2.3
LF6GMP-06	0	0.0	18.3	2.3	0	0.0	18.2	1.7	0	0.0	19.2	1.6	0	0.0	17.9	2.5	0	0.0	18.3	2.2
LF6GMP-07	0	0.0	20.9	0.1	0	0.0	15.2	5.2	0	0.0	15.7	5.0	0	0.0	15.8	4.8	0	0.0	15.7	5.2
LF6GMP-08	0	0.0	20.6	0.4	0	0.0	3.6	19.1	0	0.0	9.2	11.3	0	0.0	5.1	16.0	0	0.0	5.4	11.5
LF6GMP-09	0	0.0	20.2	0.6	0	0.0	18.3	3.4	0	0.0	19.1	1.6	0	0.0	14.1	6.5	0	0.0	16.8	4.0
LF6GMP-10	0	0.0	20.6	1.0	0	0.0	20.0	0.4	0	0.0	20.0	1.0	0	0.0	20.0	0.7	0	0.0	19.9	1.1
LF6GMP-11	0	0.0	18.6	2.6	0	0.0	18.5	2.4	0	0.0	17.9	3.2	0	0.0	17.7	3.2	0	0.0	19.0	2.3
LF6GMP-12	0	0.0	19.5	1.3	0	0.0	18.1	3.1	0	0.0	17.4	3.5	0	0.0	17.4	7.5	0	0.0	18.3	2.7
LF6GMP-13	0	0.0	18.3	2.2	0	0.0	19.2	1.3	0	0.0	19.3	1.7	0	0.0	19.7	1.1	0	0.0	19.6	1.9
LF6GMP-14	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF6GMP-15S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
LF6GMP-15D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
LF6GMP-16S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
LF6GMP-16D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
LF6GMP-17S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
LF6GMP-17D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
LF6VENT-01	12	0.6	10.8	0.8	0	0.0	17.1	1.2	0	0.0	12.6	1.0	6	0.3	12.6	1.4	7	0.4	9.5	1.4
LF6VENT-02	83	4.2	4.2	0.1	38	1.9	11.6	0.2	32	1.6	10.6	0.4	>100	6.1	1.3	0.5	>100	5.8	0.6	0.2
LF6VENT-03	99	5.0	3.2	7.9	0	0.0	13.2	4.8	18	0.9	8.4	7.7	>100	5.3	6.7	9.2	>100	6.8	2.7	10.3
LF6VENT-04	>100	9.5	0.4	4.0	>100	9.4	9.1	5.7	>100	12.1	4.5	7.3	>100	15.7	6.2	6.0	>100	14.6	0.5	5.5
LF6VENT-05	3	0.2	6.7	6.1	0	0.0	19.1	1.4	0	0.0	14.2	4.5	0	0.0	13.4	5.5	32	1.6	3.0	11.9
LF6VENT-06	66	3.3	8.4	0.5	0	0.0	16.1	0.2	7	0.3	9.7	0.3	30	1.5	11.4	0.4	84	4.2	2.3	0.5
LF6VENT-07	0	0.0	13.4	5.1	0	0.0	19.5	1.4	0	0.0	15.2	4.2	0	0.0	13.8	5.3	>100	0.0	9.9	8.6
LF6VENT-08	0	0.0	13.5	3.9	0	0.0	17.9	2.5	0	0.0	17.8	2.4	0	0.0	10.3	6.7	0	0.0	8.8	7.8
LF6VENT-09	0	0.0	19.8	0.7	0	0.0	19.8	0.6	0	0.0	17.6	1.9	0	0.0	16.6	3.1	0	0.0	15.4	4.8
LF6VENT-10	0	0.0	13.2	4.1	0	0.0	17.7	2.9	0	0.0	13.7	4.9	0	0.0	6.2	10.1	0	0.0	5.9	9.4
LF6VENT-11	0	0.0	16.4	3.3	0	0.0	19.0	1.0	0	0.0	15.8	3.3	0	0.0	14.1	5.0	0	0.0	6.3	8.0
LF6VENT-12	0	0.0	18.0	1.5	0	0.0	18.3	2.5	0	0.0	14.5	5.3	0	0.0	3.8	12.8	0	0.0	14.8	5.2
LF6VENT-13	0	0.0	14.9	4.3	0	0.0	16.8	3.0	0	0.0	12.0	6.0	0	0.0	10.9	7.9	0	0.0	11.5	8.1
LF6VENT-14	0	0.0	15.7	3.4	0	0.0	17.2	2.8	0	0.0	15.9	3.8	0	0.0	14.4	4.6	0	0.0	12.3	7.8
LF6VENT-15	0	0.0	19.7	0.8	0	0.0	5.0	13.5	0	0.0	4.6	12.2	8	0.4	1.4	17.3	0	0.0	5.0	12.5
LF6VENT-16	0	0.0	20.9	0.2	0	0.0	3.0	13.6	1	0.0	15.2	4.7	0	0.0	4.0	12.3	0	0.0	4.8	10.1

Notes:
 NI = Not Installed.
 NS = Not Sampled.
 --- = Not Monitored.

Table 6-1
Landfill 6 Landfill Gas Monitoring Results

Sample Location	17-Apr-08				16-Jul-08				18-Nov-08				14-Jan-09				28-Apr-09			
	Barometric Pressure (in.) =			30.01-30.02	Barometric Pressure (in.) =			NA	Barometric Pressure (in.) =			29.60-29.63	Barometric Pressure (in.) =			29.17-29.66	Barometric Pressure (in.) =			29.41-29.47
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF6GMP-01	0	0.0	18.5	0.4	0	0.0	19.4	0.7	0	0.0	20.1	0.4	0	0.0	19.2	1.4	0	0.0	20.7	0.0
LF6GMP-02	0	0.0	13.5	4.2	0	0.0	12.7	4.3	0	0.0	21.5	0.1	0	0.0	12.5	6.4	0	0.0	11.5	4.8
LF6GMP-03	0	0.0	16.6	1.5	0	0.0	15.5	1.8	0	0.0	20.8	0.0	0	0.0	16.8	2.5	0	0.0	16.0	2.0
LF6GMP-04	0	0.0	16.7	3.6	0	0.0	19.6	4.9	0	0.0	21.0	0.0	0	0.0	16.0	5.0	0	0.0	21.0	0.0
LF6GMP-05	0	0.0	19.3	1.4	0	0.0	18.9	1.1	0	0.0	21.3	0.0	0	0.0	19.3	2.2	0	0.0	18.8	1.8
LF6GMP-06	0	0.0	19.3	1.2	0	0.0	18.6	1.3	0	0.0	21.2	0.0	0	0.0	19.8	1.8	0	0.0	18.9	1.5
LF6GMP-07	2	0.1	16.5	4.2	0	0.0	16.3	4.0	0	0.0	21.2	0.1	0	0.0	16.4	4.9	0	0.0	16.3	4.3
LF6GMP-08	0	0.0	14.1	3.8	0	0.0	5.1	13.6	0	0.0	21.3	0.0	0	0.0	11.4	7.2	0	0.0	5.2	10.6
LF6GMP-09	0	0	17.7	1.8	0	0	15.8	4.1	0	0	21.7	0.1	0	0	19.4	2.3	0	0	17.2	2.7
LF6GMP-10	0	0.0	21.0	0.1	0	0.0	19.4	0.9	2	0.1	21.7	0.0	0	0.0	21.4	0.4	0	0.0	20.3	0.0
LF6GMP-11	0	0.0	19.4	1.3	0	0.0	18.3	2.1	0	0.0	21.5	0.4	0	0.0	20.5	1.8	0	0.0	19.0	1.7
LF6GMP-12	0	0.0	18.5	2.0	0	0.0	18.4	2.0	0	0.0	21.6	0.1	0	0.0	19.5	2.4	0	0.0	17.9	2.1
LF6GMP-13	0	0.0	20.4	0.8	0	0.0	18.3	2.1	0	0.0	21.4	0.2	0	0.0	20.3	1.8	0	0.0	19.2	1.4
LF6GMP-14	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF6GMP-15S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
LF6GMP-15D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
LF6GMP-16S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
LF6GMP-16D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
LF6GMP-17S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
LF6GMP-17D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
LF6VENT-01	0	0.0	20.4	0.4	0	0.0	16.1	0.6	0	0.0	16.9	2.0	0	0.0	19.5	0.5	0	0.0	20.7	0.1
LF6VENT-02	0	0.0	19.9	0.2	4	0.2	12.1	0.2	0	0.0	19.9	0.1	0	0.0	19.2	0.2	0	0.0	21.0	0.0
LF6VENT-03	0	0.0	19.8	0.9	0	0	13.3	3	0	0.0	18.8	1.1	0	0.0	18.8	1.1	0	0.0	21.0	0.0
LF6VENT-04	6	0.3	15.2	2.3	60	2.9	11.1	4.8	1	0.0	17.7	1.4	0	0.0	18.8	1.5	1	0.0	19.9	0.6
LF6VENT-05	0	0.0	19.6	1.1	0	0	12.8	3.8	0	0.0	20.5	0.4	0	0.0	20.5	1.0	0	0.0	19.3	0.6
LF6VENT-06	0	0.0	20.9	0.2	0	0	12	0.2	1	0.0	20.7	0.3	0	0.0	17.7	1.9	1	0.0	15.8	1.0
LF6VENT-07	0	0.0	20.8	0.5	0	0	20.5	0.2	0	0.0	20.9	0.2	0	0.0	20.0	0.4	0	0.0	21.0	0.0
LF6VENT-08	0	0.0	20.7	0.5	0	0	19.5	0.5	2	0.1	20.1	1.1	0	0.0	21.6	0.3	0	0.0	19.5	0.9
LF6VENT-09	0	0.0	20.2	0.7	0	0	20	0.5	2	0.1	18.5	1.9	0	0.0	20.7	0.2	0	0.0	20.9	0.1
LF6VENT-10	0	0.0	20.3	0.8	0	0.0	18.4	1.2	0	0.0	20.0	0.6	0	0.0	20.4	0.9	0	0.0	20.3	0.5
LF6VENT-11	0	0.0	19.7	1.0	0	0.0	18.4	1.1	0	0.0	20.6	0.1	0	0.0	20.9	0.2	0	0.0	20.7	0.0
LF6VENT-12	0	0.0	20.4	0.7	0	0.0	19.3	1.1	0	0.0	20.2	0.5	0	0.0	20.6	1.2	0	0.0	20.8	0.0
LF6VENT-13	0	0.0	18.1	2.0	0	0.0	15.7	2.5	0	0.0	19.9	0.5	0	0.0	20.6	0.7	0	0.0	20.3	0.2
LF6VENT-14	2	0.1	19.1	1.6	0	0.0	17.3	1.8	2	0.1	20.3	0.3	0	0.0	21.4	0.4	0	0.0	20.5	0.1
LF6VENT-15	0	0.0	17.5	2.2	0	0.0	13.7	4.4	2	0.1	19.6	0.8	0	0.0	21.3	0.3	0	0.0	18.8	1.7
LF6VENT-16	0	0.0	16.5	2.8	0	0.0	10.4	5.8	0	0.0	17.2	2.0	0	0.0	20.9	0.4	0	0.0	17.9	3.4

Notes:
NI = Not Installed.
NS = Not Sampled.
--- = Not Monitored.

Table 6-1
Landfill 6 Landfill Gas Monitoring Results

Sample Location	13-Jul-09				22-Oct-09				2-Feb-10				7-May-10				26-Oct-10			
	Barometric Pressure (in.) =			29.28-29.31	Barometric Pressure (in.) =			29.28-29.36	Barometric Pressure (in.) =			NS	Barometric Pressure (in.) =			29.18-29.38	Barometric Pressure (in.) =			29.19-29.20
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF6GMP-01	0	0.0	19.6	0.1	0	0.0	12.3	4.0	NS	NS	NS	NS	0	0.0	20.6	0.1	0	0.0	19.4	0.5
LF6GMP-02	2	0.1	10.5	6.0	0	0.0	10.6	7.2	NS	NS	NS	NS	0	0.0	20.9	0.1	0	0.0	11.8	6.6
LF6GMP-03	2	0.1	16.7	2.5	0	0.0	14.3	2.9	NS	NS	NS	NS	0	0.0	20.9	0.0	0	0.0	15.6	2.7
LF6GMP-04	2	0.1	19.4	1.6	0	0.0	12.6	6.9	NS	NS	NS	NS	0	0.0	20.9	0.0	0	0.0	19.4	1.0
LF6GMP-05	2	0.1	19.5	1.4	0	0.0	17.4	2.4	NS	NS	NS	NS	0	0.0	20.9	0.0	0	0.0	20.6	0.2
LF6GMP-06	2	0.1	19.6	1.2	0	0.0	17.6	2.4	NS	NS	NS	NS	0	0.0	19.7	0.9	0	0.0	20.4	0.4
LF6GMP-07	0	0.0	20.5	0.0	0	0.0	15.3	5.3	NS	NS	NS	NS	0	0.0	17.6	3.4	0	0.0	16.3	4.6
LF6GMP-08	0	0.0	20.2	0.3	0	0.0	4.2	14.2	NS	NS	NS	NS	0	0.0	10.2	9.2	0	0.0	5.4	13.8
LF6GMP-09	2	0.1	18.6	2.4	0	0.0	13.2	6.8	NS	NS	NS	NS	0	0.0	17.4	3.1	0	0.0	14.2	5.9
LF6GMP-10	2	0.1	19.7	1.1	0	0.0	19.5	1.3	NS	NS	NS	NS	0	0.0	19.8	1.0	0	0.0	19.7	1.0
LF6GMP-11	2	0.1	19.5	1.3	0	0.0	17.8	2.9	NS	NS	NS	NS	0	0.0	19.9	1.1	0	0.0	18.0	2.7
LF6GMP-12	2	0.1	18.8	2.3	0	0.0	17.1	3.2	NS	NS	NS	NS	0	0.0	20.3	0.6	0	0.0	18.8	1.9
LF6GMP-13	0	0.0	19.6	0.7	0	0.0	16.8	3.5	NS	NS	NS	NS	0	0.0	20.2	0.7	0	0.0	18.9	1.5
LF6GMP-14	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF6GMP-15S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
LF6GMP-15D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
LF6GMP-16S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
LF6GMP-16D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
LF6GMP-17S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
LF6GMP-17D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
LF6VENT-01	0	0.0	14.3	2.1	5	0.2	8.1	1.6	NS	NS	NS	NS	0	0.0	19.7	0.7	0	0.0	20.7	0.1
LF6VENT-02	38	1.9	4.0	0.6	94	4.7	0.0	0.4	NS	NS	NS	NS	0	0.0	20.4	0.1	0	0.0	20.6	0.0
LF6VENT-03	7	0.3	8.0	6.4	>100	5.3	0.9	11.3	NS	NS	NS	NS	0	0.0	20.2	0.5	0	0.0	20.6	0.1
LF6VENT-04	>100	7.2	6.5	5.6	>100	14.7	0.2	6.4	NS	NS	NS	NS	0	0.0	18.5	1.6	0	0.0	20.7	0.0
LF6VENT-05	2	0.1	15.6	3.3	4	0.2	2.5	10.9	NS	NS	NS	NS	0	0.0	20.1	0.8	0	0.0	20.2	0.2
LF6VENT-06	9	0.4	10.0	0.6	39	1.9	1.1	0.7	NS	NS	NS	NS	0	0.0	20.2	0.4	0	0.0	20.7	0.0
LF6VENT-07	2	0.1	14.2	4.4	0	0.0	10.2	7.4	NS	NS	NS	NS	0	0.0	19.4	0.8	0	0.0	20.2	0.0
LF6VENT-08	2	0.1	16.5	3.2	0	0.0	9.8	5.7	NS	NS	NS	NS	0	0.0	19.8	0.6	0	0.0	20.3	0.0
LF6VENT-09	1	0.1	19.4	1.3	0	0.0	15.8	3.4	NS	NS	NS	NS	0	0.0	19.5	0.7	0	0.0	20.4	0.0
LF6VENT-10	2	0.1	16.0	3.4	0	0.0	4.9	9.6	NS	NS	NS	NS	0	0.0	19.6	0.9	0	0.0	20.4	0.1
LF6VENT-11	2	0.1	18.2	2.4	0	0.0	15.4	4.3	NS	NS	NS	NS	0	0.0	19.5	0.9	0	0.0	20.6	0.0
LF6VENT-12	2	4.1	17.2	3.2	0	0.0	8.0	7.8	NS	NS	NS	NS	0	0.0	20.1	0.7	0	0.0	20.5	0.0
LF6VENT-13	2	0.1	15.2	4.4	0	0.0	11.6	7.5	NS	NS	NS	NS	0	0.0	17.3	2.0	0	0.0	20.6	0.0
LF6VENT-14	2	0.1	16.9	3.5	0	0.0	14.8	4.1	NS	NS	NS	NS	0	0.0	19.2	1.4	0	0.0	20.6	0.0
LF6VENT-15	2	0.1	7.5	9.7	0	0.0	4.4	13.0	NS	NS	NS	NS	0	0.0	18.7	1.5	0	0.0	20.6	0.0
LF6VENT-16	2	0.1	13.4	5.7	0	0.0	11.2	5.9	NS	NS	NS	NS	0	0.0	15.7	4.1	0	0.0	20.7	0.0

Notes:
NI = Not Installed.
NS = Not Sampled.
--- = Not Monitored.

Table 6-1
Landfill 6 Landfill Gas Monitoring Results

Sample Location	16-May-11				19-Oct-11				10-May-12				5-Oct-12				2-May-13			
	Barometric Pressure (in.) =			29.14-29.19	Barometric Pressure (in.) =			29.11-29.14	Barometric Pressure (in.) =			28.99-29.32	Barometric Pressure (in.) =			29.44	Barometric Pressure (in.) = 29.73-29.85			
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)
LF6GMP-01	0	0.0	19.4	0.3	0	0.0	12.0	7.0	0	0.0	19.3	0.8	0	0.0	11.0	2.4	0	0.0	20.6	0.0
LF6GMP-02	0	0.0	20.9	0.1	0	0.0	19.7	0.8	0	0.0	22.8	0.1	0	0.0	12.4	6.7	0	0.0	20.3	0.0
LF6GMP-03	0	0.0	20.6	0.1	0	0.0	16.1	3.0	0	0.0	22.2	0.1	0	0.0	16.3	2.7	0	0.0	20.6	0.0
LF6GMP-04	0	0.0	20.8	0.0	0	0.0	14.8	5.7	0	0.0	22.4	0.1	0	0.0	15.3	5.4	0	0.0	20.6	0.0
LF6GMP-05	0	0.0	20.8	0.0	0	0.0	18.8	2.7	0	0.0	22.7	0.1	0	0.0	18.8	2.0	0	0.0	20.6	0.0
LF6GMP-06	0	0.0	20.8	0.1	0	0.0	19.0	2.6	0	0.0	22.8	0.2	0	0.0	18.6	2.4	0	0.0	20.5	0.1
LF6GMP-07	0	0.0	20.8	0.0	0	0.0	16.6	5.2	0	0.0	23.0	0.1	0	0.0	17.0	4.2	0	0.0	20.0	0.5
LF6GMP-08	0	0.0	12.7	5.5	0	0.0	4.6	14.7	0	0.0	23.0	0.1	0	0.0	11.4	8.5	0	0.0	12.2	5.8
LF6GMP-09	0	0.0	14.6	5.2	0	0.0	14.1	6.2	0	0.0	20.2	1.8	0	0.0	15.3	5.2	0	0.0	18	1.7
LF6GMP-10	0	0.0	20.8	0.0	0	0.0	20.5	1.4	0	0.0	22.9	0.1	0	0.0	19.5	1.2	0	0.0	20.3	0.0
LF6GMP-11	0	0.0	18.9	2.1	0	0.0	18.5	3.0	0	0.0	23.0	0.1	0	0.0	18.5	2.5	0	0.0	20.0	0.7
LF6GMP-12	0	0.0	18.2	2.1	0	0.0	18.4	3.4	0	0.0	22.8	0.2	0	0.0	18.3	2.6	0	0.0	18.6	1.3
LF6GMP-13	0	0.0	18.5	2.5	0	0.0	18.3	3.4	0	0.0	22.2	0.7	0	0.0	17.8	3.0	0	0.0	19.0	1.3
LF6GMP-14	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI
LF6GMP-15S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
LF6GMP-15D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
LF6GMP-16S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
LF6GMP-16D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
LF6GMP-17S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
LF6GMP-17D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
LF6VENT-01	0	0.0	20.3	0.6	0	0.0	14.0	2.2	0	0.0	21.9	0.2	0	0.0	11.0	2.4	0	0.0	20.1	0.3
LF6VENT-02	0	0.0	20.7	0.0	24	1.2	6.2	0.4	0	0.0	21.4	0.7	35	1.7	4.1	0.6	0	0.0	19.6	0.0
LF6VENT-03	0	0.0	20.7	0.2	14	0.7	4.7	8.1	0	0.0	20.5	1.0	16	0.8	4.4	9.2	5	0.2	17.8	1.1
LF6VENT-04	0	0.0	20.8	0.1	>100	10.7	0.3	6.0	0	0.0	19.4	1.6	>100	8.1	0.7	7.4	0	0.0	19.6	0.7
LF6VENT-05	0	0.0	20.9	0.0	0	0.0	9.9	6.8	0	0.0	21.6	0.6	0	0.0	8.1	8.7	0	0.0	19.9	0.6
LF6VENT-06	0	0.0	20.8	0.0	2	0.0	8.9	1.3	0	0.0	22.4	0.0	0	0.0	8.5	0.8	0	0.0	20.0	0.2
LF6VENT-07	0	0.0	20.4	0.0	0	0.0	14.5	5.9	0	0.0	20.6	0.7	0	0.0	13.6	5.3	0	0.0	20.5	0.5
LF6VENT-08	0	0.0	20.4	0.0	0	0.0	16.2	4.5	0	0.0	19.7	1.8	0	0.0	15.5	3.7	0	0.0	20.7	0.4
LF6VENT-09	0	0.0	19.9	0.6	0	0.0	17.7	2.9	0	0.0	21.5	0.9	0	0.0	16.7	3.0	0	0.0	20.4	0.4
LF6VENT-10	0	0.0	20.5	0.0	0	0.0	14.6	5.2	0	0.0	21.1	0.8	0	0.0	11.0	6.4	0	0.0	20.3	0.6
LF6VENT-11	0	0.0	20.7	0.0	0	0.0	16.7	3.7	0	0.0	22.5	0.1	0	0.0	16.0	3.8	0	0.0	20.5	0.5
LF6VENT-12	0	0.0	20.3	0.5	0	0.0	14.6	5.2	0	0.0	22.2	0.2	0	0.0	11.6	5.7	0	0.0	19.0	1.3
LF6VENT-13	0	0.0	20.4	0.3	0	0.0	13.8	6.4	0	0.0	20.3	1.5	0	0.0	12.1	7.1	0	0.0	20.4	0.6
LF6VENT-14	0	0.0	20.5	0.4	0	0.0	16.3	4.0	0	0.0	22.2	0.1	0	0.0	16.4	3.3	0	0.0	20.2	0.5
LF6VENT-15	0	0.0	18.3	2.8	0	0.0	10.7	7.0	0	0.0	21.9	0.4	0	0.0	5.8	9.7	0	0.0	19.4	1.1
LF6VENT-16	0	0.0	13.4	5.7	0	0.0	10.0	7.7	0	0.0	16.4	3.0	0	0.0	8.3	7.3	0	0.0	18.2	1.9

Notes:

NI = Not Installed.

NS = Not Sampled.

--- = Not Monitored.

Table 6-1
Landfill 6 Landfill Gas Monitoring Results

Sample Location	15-Oct-13																			
	Barometric Pressure (in.) =				Barometric Pressure (in.) =				Barometric Pressure (in.) =				Barometric Pressure (in.) =				Barometric Pressure (in.) =			
	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)	LEL (%)	Methane (%)	Oxygen (%)	Carbon Dioxide (%)				
LF6GMP-01	0	0.0	14.4	4.4																
LF6GMP-02	0	0.0	11.6	7.1																
LF6GMP-03	0	0.0	16.5	2.7																
LF6GMP-04	0	0.0	15.6	5.4																
LF6GMP-05	0	0.0	19.0	2.0																
LF6GMP-06	0	0.0	18.7	2.5																
LF6GMP-07	0	0.0	17.1	4.6																
LF6GMP-08	0	0.0	7.3	12.7																
LF6GMP-09	0	0.0	16.5	4.6																
LF6GMP-10	0	0.0	19.4	2.2																
LF6GMP-11	0	0.0	19.2	2.2																
LF6GMP-12	0	0.0	18.3	2.9																
LF6GMP-13	0	0.0	18.5	2.9																
LF6GMP-14	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI				
LF6GMP-15S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---				
LF6GMP-15D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---				
LF6GMP-16S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---				
LF6GMP-16D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---				
LF6GMP-17S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---				
LF6GMP-17D	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---				
LF6VENT-01	0	0.0	12.3	2.5																
LF6VENT-02	58	2.9	4.5	0.4																
LF6VENT-03	58	2.9	5.4	9.2																
LF6VENT-04	>100	10.5	4.8	4.5																
LF6VENT-05	0	0.0	10.1	6.8																
LF6VENT-06	17	0.9	5.2	1.1																
LF6VENT-07	0	0.0	13.4	5.8																
LF6VENT-08	0	0.0	12.4	6.1																
LF6VENT-09	0	0.0	17.2	3.0																
LF6VENT-10	0	0.0	9.2	8.5																
LF6VENT-11	0	0.0	17.3	3.3																
LF6VENT-12	0	0.0	8.4	9.4																
LF6VENT-13	0	0.0	13.8	6.7																
LF6VENT-14	0	0.0	16.6	3.5																
LF6VENT-15	0	0.0	18.6	2.5																
LF6VENT-16	0	0.0	12.5	6.6																

Notes:
 NI = Not Installed.
 NS = Not Sampled.
 --- = Not Monitored.

Table 6-2
Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	775VMW-10												
Date of Collection			6/28/2006	9/15/2006	12/11/2006	4/11/2007	6/19/2007	9/27/2007	12/10/2007	4/3/2008	6/12/2008	9/30/2008	12/9/2008	4/15/2009	6/29/2009
Sample ID No.			775VM1095AA	775VM1095BB	775VM1095CA	775VM1095DA	775VM1095EA	775VM1095FA	775VM1095GA	775VM1095HA	775VM1095IA	775VM1095JA	775VM1095KA	775VM1095LA	775VM1095MA
Depth to Water (ft)			60.25	60.18	59.27	58.15	57.97	59.37	59.63	58.43	58.32	49.46	59.53	59.07	59.13
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	1.1	1	0.820 F	0.720 F	0.700 F	0.510 F	0.750 F	U	U	0.540 F	0.540 F	0.400 F	0.340 F
1,1-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
acetone	50	10	1.4 F	U	U	U	U	U	U	U	U	U	U	U	U
benzene	1	0.1	U	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
chloroform	7	0.3	U	0.140 F	U	U	U	U	U	U	U	0.150 F	U	U	U
chloromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
dichlorodifluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
hexachlorobutadiene	0.5*	0.6	U	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	U	U	U	U	0.475 F	U	0.130 F	U	1.00 F	U	U	U	U
trichloroethene (TCE)	5*	1	96	83.6	84.3 F	68.2	68.4	58.8	65.6	60.4	59.0	46.9	43.4	43.5	34.6
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
vinyl chloride	2	1	U	U	U	U	U	U	U	U	U	U	U	U	U
xylenes, Total	~	1.5	U	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs (µg/L)			98.5	84.6	85.26	68.92	69.45	59.31	66.48	60.4	60.0	47.44	44.09	43.90	34.94
Leachate Indicators (mg/L)															
alkalinity, Total	~	10	148 B	120	120	110	110	100	100	98	100	94	110	100	98
ammonia	2	0.2	U	U	U	U	0.023 F	U	0.024 F	U	0.11 B	U	U	U	U
BOD5	~	2.4	U	U	U	U	U	U	U	U	U	U	U	U	U
bromide	2	0.5	U	0.011 F	U	U	U	U	0.044 F	U	0.045 F	0.043 F	U	0.046 F	U
COD	~	5	U	U	U	13	15 B	U	4.1 F	4.1 F	U	15	3.7 F	U	U
chloride	250	1	35.3 B	44	34	52	86	110	120	120	150	150	120	100	90.1
color	15	5	50	NA	NA	NA	U	NA	NA	NA	U	NA	NA	U	NA
cyanide, Total	200	0.02	U	NA	NA	NA	U	NA	NA	U	0.0063 F	NA	NA	NA	NA
Fluoride	1.5	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
hardness, Total	~	1	260	210	150	190	240	220	260	260	300	270	290	220	210
nitrate	10	1	4.7	3.3	3.0	2.7	2.5	2.6	2.6	2.4	2.0	1.7	1.6	1.3	1.1
TKN	1	0.2	U	U	U	0.14 F	0.063 F	0.22	0.058 F	0.058 F	U	U	0.11 F	U	0.36
sulfate	250	1	7 B	6.3	6.4	5.6	6.2	9.9	11	9.5	12	14	13	10	8.9
TDS	500	10	254	260	250	260	390	510	340	480	710	490	400	330	320
TOC	~	1	1	0.46 F	0.54 F	U	U	0.79 F	0.95 F	0.51 F	U	U	0.67 F	U	U

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	775VMW-10											
Date of Collection			9/14/2009	3/22/2010	9/23/2010	6/8/2011	6/19/2012	6/17/2013						
Sample ID No.			775VM1095NA	775VM1095OA	775VM1095PA	775VM1095PA	775VM1095QA	775VM1095RA						
Depth to Water (ft)			60.05	60.57	61.55	59.20	59.80	60.50						
VOCs (µg/L)														
1,1,1-trichloroethane	5*	1	0.380 F	0.410 F	0.460 F	0.50 F	0.36 J	0.47 J						
1,1-dichloroethene	5*	1	U	U	U	U	U	U						
1,2-dichloroethane	0.6	1	U	U	U	U	U	U						
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U						
acetone	50	10	U	U	2.54 FB	U	U	U						
benzene	1	0.1	U	U	U	U	U	U						
carbon disulfide	1,000	0.5	U	U	U	U	U	U						
chloroform	7	0.3	U	U	U	0.17 F	U	0.35 J						
chloromethane	5*	1	U	U	U	U	U	U						
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U						
dichlorodifluoromethane	5*	1	U	U	U	U	U	U						
hexachlorobutadiene	0.5*	0.6	U	U	U	U	U	U						
methylene chloride	5*	1	U	U	U	U	0.33 J	U						
trichloroethene (TCE)	5*	1	43.2	41.2	43.3	45.0	42.0	37						
toluene	5*	1	U	U	U	U	U	U						
trans-1,2-dichloroethene	5*	1	U	U	U	U	U	U						
trichlorofluoromethane	5*	1	U	U	U	U	U	U						
vinyl chloride	2	1	U	U	U	U	U	U						
xylenes, Total	--	1.5	U	U	U	U	U	U						
Total VOCs (µg/L)			43.58	41.61	46.3	45.67	42.69	37.82						
Inorganic Indicators (mg/L)														
alkalinity, Total	--	10	100	130	120	310	160	140						
ammonia	2	0.2	U	U	U	0.18	0.062 JB	U						
BOD5	--	2.4	U	U	U	U	U	U						
bromide	2	0.5	0.035 F	U	U	U	U	U						
COD	--	5	U	U	U	U	U	U						
chloride	250	1	100	61	73	200	150	130						
color	15	5	NA	U	NA	U	U	U						
cyanide, Total	200	0.02	NA	0.0088 F	U	U	U	U						
Fluoride	1.5	1	NA	NA	NA	NA	NA	U						
hardness, Total	--	1	210	180	190	310	190	180						
nitrate	10	1	1.1	1.0 B	1.1	1.7	1.5	1.1						
TKN	1	0.2	U	0.24 B	0.21 B	0.34 F	0.67 JB	0.43 J						
sulfate	250	1	9.4	9.2 B	9.0	24	22	19						
TDS	500	10	380	220	270	600	430	390						
TOC	--	1	0.52 F	U	0.82 F	0.82 F	0.81 J	1.2						

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	775VMW-18R												
Date of Collection			6/28/2006	9/15/2006	12/11/2006	4/11/2007	6/19/2007	9/27/2007	12/10/2007	4/7/2008	6/12/2008	9/30/2008	12/9/2008	4/14/2009	6/29/2009
Sample ID No.			775VM18R90AA	775VM18R90BB	775VM18R90CA	775VM18R90DA	775VM18R90EA	775VM18R90FA	775VM18R90GA	775VM18R90HA	775VM18R90IA	775VM18R90JA	775VM18R90KA	775VM18R90LA	775VM18R90MA
Depth to Water (ft)			52.65	52.63	51.77	50.57	50.15	51.68	52.26	51.10	51.57	51.84	52.1	51.52	51.33
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	6	5.01	5.50	5.09	4.7	3.91	5.17	4.37	4.92	4.11	3.96	4.25	4.29
1,1-dichloroethene	5*	1	0.4 F	0.37 F	0.280 F	0.230 F	0.250 F	0.240 F	0.840 F	U	U	U	0.180 F	U	U
1,2-dichloroethane	0.6	1	1.3	1.3	1.07	0.91	0.85	0.670	0.840	0.650	0.700	0.630	0.580	0.590	0.510
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
acetone	50	10	U	U	U	U	U	U	U	U	U	U	U	U	U
benzene	1	0.1	U	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U	U	U	U	UF	U
chloroform	7	0.3	0.52	0.49 F	0.500	U	0.370 F	0.230 F	0.720	0.260 F	0.280 F	0.280 F	0.360 F	0.290	0.290 F
chloromethane	5*	1	U	U	UJ	U	U	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
dichlorodifluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
hexachlorobutadiene	0.5*	0.6	U	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
vinyl chloride	2	1	U	U	U	U	U	UJ	U	U	U	U	U	U	U
xylenes, Total	~	1.5	U	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs (µg/L)			7.22	7.17	7.35	6.23	6.17	5.05	6.85	5.28	5.90	5.02	5.08	5.13	5.09
Leachate Indicators (mg/L)															
alkalinity, Total	~	10	142	140	150	120	110	130	130	140	150	140	130	150	140
ammonia	2	0.2	U	U	U	U	0.024 F	U	0.025 F	0.020 F	0.056 B	U	U	U	U
BOD5	~	2.4	U	U	UJ	U	U	U	U	U	U	U	U	U	U
bromide	2	0.5	U	0.092 F	0.043 F	0.18 F	0.20 F	0.20 F	0.25 F	0.20 F	0.19 F	0.14 F	UJ	0.17 F	0.11 F
COD	~	5	27.4	7.1 F	9.4 F	17	15 B	6.3 F	8.5 F	4.1 F	26	22	26	26	20
chloride	250	1	873	550	450	710	880	880	860	790	680	720	760	810	630 F
color	15	5	18	NA	NA	NA	U	NA	NA	U	U	NA	NA	U	NA
cyanide, Total	200	0.02	0.0076 F	NA	NA	NA	U	NA	NA	0.0096 F	0.0078 F	NA	NA	NA	NA
Fluoride	1.5	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
hardness, Total	~	1	680	520	450	720	770	610	650	600	470	500	600	590	480
nitrate	10	1	4.4	3.4	3.0	4.1	3.3	3.4	3.5	3.2	3.2	3.5	3.5	3.7	3.6
TKN	1	0.2	U	U	0.084 F	0.18 F	0.21 B	0.12 F	U	U	U	U	0.16 F	0.11 F	0.15 F
sulfate	250	1	63	41	34	40	50	40	41	36	35	35	35	43	39
TDS	500	10	1,770	1,500	1,300	1,900	2,600	2,300	1,700	1,900	2,000	1,400	1,800	1,200	1,600
TOC	~	1	0.83 F	0.63 F	0.66 F	0.45 F	0.61 F	0.83 F	0.69 F	0.80 F	0.50 F	0.53 F	1.0	0.48 F	0.59 F

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	775VMW-18R									
Date of Collection			9/14/2009	3/22/2010	9/23/2010	6/7/2011	6/19/2012	6/17/2013				
Sample ID No.			775VM18R90NA	775VM18R90OA	775VM18R90PA	775VM18R90PA	775VM18R9QA	775VM18R90RA				
Depth to Water (ft)			52.29	53.04	53.74	51.50	52.02	52.71				
VOCs (µg/L)												
1,1,1-trichloroethane	5*	1	3.96	4.00	4.03	NA	NA	NA				
1,1-dichloroethene	5*	1	U	U	0.170 F	NA	NA	NA				
1,2-dichloroethane	0.6	1	0.500	0.460 F	0.430 F	NA	NA	NA				
1,4-dichlorobenzene	3	0.5	U	U	U	NA	NA	NA				
acetone	50	10	U	U	1.71 FB	NA	NA	NA				
benzene	1	0.1	U	U	U	NA	NA	NA				
carbon disulfide	1,000	0.5	U	U	U	NA	NA	NA				
chloroform	7	0.3	0.270 F	0.360 F	0.530	NA	NA	NA				
chloromethane	5*	1	U	U	U	NA	NA	NA				
cis-1,2-dichloroethene	5*	1	U	U	U	NA	NA	NA				
dichlorodifluoromethane	5*	1	U	U	U	NA	NA	NA				
hexachlorobutadiene	0.5*	0.6	U	U	U	NA	NA	NA				
methylene chloride	5*	1	U	U	U	NA	NA	NA				
trichloroethene (TCE)	5*	1	U	U	U	NA	NA	NA				
toluene	5*	1	U	U	U	NA	NA	NA				
trans-1,2-dichloroethene	5*	1	U	U	U	NA	NA	NA				
trichlorofluoromethane	5*	1	U	U	U	NA	NA	NA				
vinyl chloride	2	1	U	U	U	NA	NA	NA				
xylenes, Total	--	1.5	U	U	U	NA	NA	NA				
Total VOCs (µg/L)			4.73	4.82	6.87	NA	NA	NA				
Inorganic Indicators (mg/L)												
alkalinity, Total	--	10	150	160	160	160	190	160				
ammonia	2	0.2	0.35	U	U	0.094 F	0.81	U				
BOD5	--	2.4	U	U	U	U	U	U				
bromide	2	0.5	0.12 F	U	U	0.11 F	0.14	U				
COD	--	5	6.7 F	5.6 FB	U	U	8.0 J	22 J				
chloride	250	1	560	640	510	550	460	470				
color	15	5	NA	U	NA	U	U	U				
cyanide, Total	200	0.02	NA	0.0080 F	U	NA	U	U				
Fluoride	1.5	1	NA	NA	NA	NA	NA	U				
hardness, Total	--	1	410	500	440	480	310	380				
nitrate	10	1	3.9	3.7	4.5	3.2	3.4	2.0				
TKN	1	0.2	0.4	0.22 B	0.20 B	0.30 F	0.61 JB	0.55 J				
sulfate	250	1	29	35	35	45	42	42				
TDS	500	10	1,400	1,500	1,200	1,200	1,000	1000				
TOC	--	1	0.61 F	0.65 FB	0.88 F	0.80 F	0.81 J	1.3				

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	775VMW-20R												
Date of Collection			6/28/2006	9/18/2006	12/11/2006	4/11/2007	6/20/2007	9/28/2007	12/10/2007	4/8/2008	6/12/2008	10/1/2008	12/9/2008	4/14/2009	6/29/2009
Sample ID No.			775VM20R110AA	775VM20R110BB	775VM20R110CA	775VM20R110DA	775VM20R110EA	775VM20R110FA	775VM20R110GA	775VM20R110HA	775VM20R110IA	775VM20R110JA	775VM20R110KA	775VM20R110LA	775VM20R110MA
Depth to Water (ft)			65.15	65.20	64.22	63.22	62.95	64.40	64.61	63.34	63.31	64.42	64.54	63.99	64.01
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
acetone	50	10	U	U	U	U	U	U	U	U	U	U	U	U	U
benzene	1	0.1	U	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U	U	U	U
chloromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
dichlorodifluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
hexachlorobutadiene	0.5*	0.6	U	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	U	U	0.180 F	U	U	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichlorofluoromethane	5*	1	U	U	U	U	0.140 F	U	U	U	U	U	U	U	U
vinyl chloride	2	1	U	U	U	U	U	U	U	U	U	U	U	U	U
xylenes, Total	~	1.5	U	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs (µg/L)			0	0	0.18	0	0.14	0	0	0	0	0	0	0	0
Leachate Indicators (mg/L)															
alkalinity, Total	~	10	219	180	180	180	180	180	170	170	180	180	170	170	170
ammonia	2	0.2	0.012 F	0.035 F	U	0.020 F	0.039 F	0.013 F	0.045 F	0.034 F	0.055 B	0.033 F	0.020 F	0.047 F	0.026 F
BOD5	~	2.4	U	U	U	U	U	U	U	U	U	U	U	U	U
bromide	2	0.5	U	0.011 F	U	U	U	0.022 F	0.046 F	0.051 F	0.037 F	0.039 F	U	0.048 F	0.027 F
COD	~	5	17.8	16 B	U	13	17	U	4.1 F	8.5 F	U	3.7 F	U	6.0 F	U
chloride	250	1	51.1	59	57	58	71	83	84	89	110	110	92	92	98.1
color	15	5	15	NA	NA	NA	U	NA	NA	U	U	NA	NA	U	NA
cyanide, Total	200	0.02	0.0076 F	NA	NA	NA	U	NA	NA	U	0.018 F	NA	NA	NA	NA
Fluoride	1.5	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
hardness, Total	~	1	213	260	230	220	230	220	260	260	270	300	270	270	280
nitrate	10	1	U	U	0.013 F	0.21	0.041 F	0.015	U	0.040 F	U	U	U	U	U
TKN	1	0.2	0.12 F	0.084 F	0.42	0.12 F	U	U	U	0.12 F	U	U	U	U	U
sulfate	250	1	39.4	42	39	39	40	37	37	38	38	38	35	36	34
TDS	500	10	348	360	370	320	410	290	300	360	480	380	390	350	330
TOC	~	1	0.75 F	U	0.55 F	0.44 F	1.6	0.61 F	0.45 F	1.1 B	U	0.85 F	0.53 F	U	U

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	775VMW-20R									
Date of Collection			9/14/2009	3/22/2010	9/23/2010	6/7/2011	6/19/2012	6/17/2013				
Sample ID No.			775VM20R110NA	775VM20R110OA	775VM20R110PA	775VM20R110PA	775VM20R11QA	775VM20R110RA				
Depth to Water (ft)			64.97	65.51	66.65	64.50	64.72	65.60				
VOCs (µg/L)												
1,1,1-trichloroethane	5*	1	U	U	U	NA	NA	NA				
1,1-dichloroethene	5*	1	U	U	U	NA	NA	NA				
1,2-dichloroethane	0.6	1	U	U	U	NA	NA	NA				
1,4-dichlorobenzene	3	0.5	U	U	U	NA	NA	NA				
acetone	50	10	U	U	1.61 FB	NA	NA	NA				
benzene	1	0.1	U	U	U	NA	NA	NA				
carbon disulfide	1,000	0.5	U	U	U	NA	NA	NA				
chloroform	7	0.3	U	U	U	NA	NA	NA				
chloromethane	5*	1	U	U	U	NA	NA	NA				
cis-1,2-dichloroethene	5*	1	U	U	U	NA	NA	NA				
dichlorodifluoromethane	5*	1	U	U	U	NA	NA	NA				
hexachlorobutadiene	0.5*	0.6	U	U	U	NA	NA	NA				
methylene chloride	5*	1	U	U	U	NA	NA	NA				
trichloroethene (TCE)	5*	1	U	U	U	NA	NA	NA				
toluene	5*	1	U	U	U	NA	NA	NA				
trans-1,2-dichloroethene	5*	1	U	U	U	NA	NA	NA				
trichlorofluoromethane	5*	1	U	U	U	NA	NA	NA				
vinyl chloride	2	1	U	U	U	NA	NA	NA				
xylenes, Total	—	1.5	U	U	U	NA	NA	NA				
Total VOC's (µg/L)			0	0	1.61	NA	NA	NA				
Leachate Indicators (mg/L)												
alkalinity, Total	—	10	180	170	170	160	180	140				
ammonia	2	0.2	0.22 F	0.35 F	U	0.2	0.075 JB	0.070 J				
BOD5	—	2.4	U	U	U	1.4 F	U	U				
bromide	2	0.5	0.037 F	U	U	U	U	0.12 J				
COD	—	5	U	U	U	U	U	8.7 J				
chloride	250	1	110	120	130	73	57	51				
color	15	5	NA	U	NA	U	U	U				
cyanide, Total	200	0.02	NA	0.0080 F	U	NA	U	U				
Fluoride	1.5	1	NA	NA	NA	NA	NA	0.067 J				
hardness, Total	—	1	300	280	280	200	200	210				
nitrate	10	1	0.017 F	0.055 F	U	U	0.048 J	0.10 J				
TKN	1	0.2	0.13 F	0.30 B	0.18 FB	0.45 F	1 B	0.56 J				
sulfate	250	1	35	34	37	29	39	31				
TDS	500	10	410	410	530	330	300	270				
TOC	—	1	0.39 F	U	0.71 F	0.61 F	0.62 J	1.3				

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6MW-1												
Date of Collection			6/28/2006	9/18/2006	12/11/2006	4/9/2007	6/20/2007	9/27/2007	12/10/2007	4/2/2008	6/17/2008	9/30/2008	12/9/2008	4/14/2009	6/29/2009
Sample ID No.			LF6M0168AA	LF6M0168BB	LF6M0168CA	LF6M0168DA	LF6M0168EA	LF6M0168FA	LF6M0168GA	LF6M0168HA	LF6M0168IA	LF6M0168JA	LF6M0168KA	LF6M0168LA	LF6M0168MA
Depth to Water (ft)			63.18	63.21	62.19	61.18	60.97	62.46	62.59	61.55	61.24	62.39	62.52	62.00	62.03
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
acetone	50	10	1.1 F	U	U	1.00 F	U	U	U	U	U	U	U	U	U
benzene	1	0.1	U	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	1,000	0.5	U	U	U	U	U	U	0.170 F	U	U	U	U	U	U
chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U	U	U	U
chloromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
dichlorodifluoromethane	5*	1	U	U	U	UM	U	U	U	U	U	U	U	U	U
hexachlorobutadiene	0.5*	0.6	U	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	U	U	0.330 F	U	U	U	0.120 F*	U	U	U	U	U	U
trichloroethene (TCE)	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	0.180 F
vinyl chloride	2	1	U	U	U	U	U	U	U	U	U	U	U	U	U
xylenes, Total	—	1.5	U	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs (µg/L)			1.1	0	0.33	1	0	0	0.290	0	0	0	0	0	0.180
Leachate Indicators (mg/L)															
alkalinity, Total	—	10	251	250 F	330	360	400*	340	320*	270	330	390	340	270	280
ammonia	2	0.2	0.039 F	U	U	U	0.028 F*	U	0.049 F*	0.016 F	0.057 B*	U	U	U	U
BOD5	—	2.4	U	U	UF	U	U	U	U	U	U	U	U	U	U
bromide	2	0.5	U	0.25 F	0.12 F	0.24 F	0.18 F*	0.26 F	U	U	U	0.18 F	U	0.064 F*	0.077 F
COD	—	5	U	14 B	24 B	19 F	20 F	28 F	13 B	6.3 F*	6.3 F	17	3.7 F	6.0 F	U
chloride	250	1	3.6	1,300 M	970 M	1,100 M	740 M*	1,200	740	340*	390	870	280	270	430
color	15	5	80	NA	NA	NA	NA	NA	NA	U	U	NA	NA	U	NA
cyanide, Total	200	0.02	0.0076 F	NA	NA	NA	0.012 F	NA	NA	0.0090 F	0.015 F*	NA	NA	NA	NA
Fluoride	1.5	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
hardness, Total	—	1	444	740	520	530	260	360	240	100	190 F	370*	130 F*	140	180*
nitrate	10	1	0.77 F	0.95 F	0.87	1.6	0.94 F	1.0	0.97 F*	0.82 F*	0.81 F	1.2	0.75	0.82 F	1.0
TKN	1	0.2	0.49	U	0.11 F	0.23	0.10 F*	0.10 F*	0.12 F	0.068 F*	U	0.070 F	0.077 F*	U	0.14 F
sulfate	250	1	6.1	45	50	55 M	49*	72*	65 M	39*	52	78 M	34	32	50
TDS	500	10	156	3,000	2,100	2,300	1,700*	4,700 F*	1,700*	900	1,100*	1,900*	940	810	1,000
TOC	—	1	1.1	1.6	2.5 B	2.1	2.5	2.6 B*	2.4	1.7	1.8	2.2*	2.0	0.79 F	1.1

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6MW-1									
Date of Collection			9/15/2009	3/22/2010	9/23/2010	6/6/2011	6/19/2012	6/17/2013				
Sample ID No.			LF6M0168NA	LF6M0168OA	LF6M0168PA	LF6M0168PA	LF6M0168QA	LF6M0168RA				
Depth to Water (ft)			63.02	63.52	64.47	62.09	62.72	63.56				
VOCs (µg/L)												
1,1,1-trichloroethane	5*	1	U	U	U	NA	NA	NA				
1,1-dichloroethene	5*	1	U	U	U	NA	NA	NA				
1,2-dichloroethane	0.6	1	U	U	U	NA	NA	NA				
1,4-dichlorobenzene	3	0.5	U	U	U	NA	NA	NA				
acetone	50	10	U	U	1.66 FB	NA	NA	NA				
benzene	1	0.1	U	U	U	NA	NA	NA				
carbon disulfide	1,000	0.5	U	U	U	NA	NA	NA				
chloroform	7	0.3	U	U	U	NA	NA	NA				
chloromethane	5*	1	U	U	U	NA	NA	NA				
cis-1,2-dichloroethene	5*	1	U	U	U	NA	NA	NA				
dichlorodifluoromethane	5*	1	U	U	U	NA	NA	NA				
hexachlorobutadiene	0.5*	0.6	U	U	U	NA	NA	NA				
methylene chloride	5*	1	U	U	U	NA	NA	NA				
trichloroethene (TCE)	5*	1	U	U	U	NA	NA	NA				
toluene	5*	1	U	U	U	NA	NA	NA				
trans-1,2-dichloroethene	5*	1	U	U	U	NA	NA	NA				
trichlorofluoromethane	5*	1	U	U	U	NA	NA	NA				
vinyl chloride	2	1	U	U	U	NA	NA	NA				
xylenes, Total	--	1.5	U	U	U	NA	NA	NA				
Total VOCs (µg/L)			0	0	1.66	NA	NA	NA				
Leachate Indicators (mg/L)												
alkalinity, Total	--	10	280	320	310	360	230	210 ♦				
ammonia	2	0.2	0.019 F♦	U	U	0.10 F	0.13♦ JB	U				
BOD5	--	2.4	U	U	U	U	U	U				
bromide	2	0.5	0.14 F	U	U	0.12 F	U	U				
COD	--	5	6.7 F	5.2 FB♦	8.1 FB♦	10 F♦	16 J♦	30 J				
chloride	250	1	290 M♦	320	310	480	1,300	1100				
color	15	5	NA	U	NA	U	U	U				
cyanide, Total	200	0.02	NA	0.013 F	0.0063 F	U	U	U				
Fluoride	1.5	1	NA	NA	NA	NA	NA	NA				
hardness, Total	--	1	160	170	160	240	410 J	530				
nitrate	10	1	1.0 ♦	0.86 FB ♦	0.98 F♦	0.9	2.0♦	1.0				
TKN	1	0.2	U	0.19 FB♦	0.29 BF♦	0.49 F	1.0 B	0.57 J				
sulfate	250	1	61 M♦	42	65♦	50	56	39				
TDS	500	10	870♦	840	850	1,200	2,400	2100				
TOC	--	1	1.3♦	1.4 B	2.0	1.5	1.4	1.7 ♦				

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6VMW-10R2												
Date of Collection			6/29/2006	9/19/2006	12/13/2006	4/13/2007	6/21/2007	10/1/2007	12/12/2007	4/7/2008	6/18/2008	10/1/2008	12/11/2008	4/16/2009	6/30/2009
Sample ID No.			LF6VM10R230AA	LF6VM10R230BB	LF6VM10R230CA	LF6VM10R230DA	LF6VM10R230EA	LF6VM10R230FA	LF6VM10R230GA	LF6VM10R230HA	LF6VM10R230IA	LF6VM10R230JA	LF6VM10R230KA	LF6VM10R230LA	LF6VM10R230MA
Depth to Water (ft)			12.92	13.33	12.27	11.40	12.15	13.22	12.61	11.47	12.27	13.01	12.49	12.02	12.46
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
acetone	50	10	U	U	U	U	U	U	U	U	U	U	U	U	1.31 F
benzene	1	0.1	U	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	1,000	0.5	U	U	U	U	U	U	0.120 F	U	U	U	U	U	U
chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U	U	U	U
chloromethane	5*	1	0.18 F	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
dichlorodifluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
hexachlorobutadiene	0.5*	0.6	U	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	U	U	U	U	U	U	0.110 F	U	U	U	U	U	U
trichloroethene (TCE)	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
vinyl chloride	2	1	U	U	U	U	U	U	U	U	U	U	U	U	U
xylenes, Total	--	1.5	U	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs (µg/L)			0.18	0	0	0	0	0	0.230	0	0	0	0	0	1.31
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	93.8	84	86	82	82	80	86	92	80	88	80	80	78
ammonia	2	0.2	U	0.023 F	U	U	0.025 F	0.011 F	U	0.014 F	0.047 F	0.019 F	U	0.029 F	U
BOD5	--	2.4	U	U	U	U	U	U	U	U	U	U	U	U	U
bromide	2	0.5	U	U	U	U	U	U	U	0.018 F	0.024 F	0.016 F	U	0.033 F	0.037 F
COD	--	5	12 B	9.2 F	U	19	11 B	U	6.3 F	8.5 F	6.3 F	U	8.2 F	8.2 F	6.7 F
chloride	250	1	2.7	2.5	2.1	2.1	2.4	2.4	2.3	3.4	5.0	3.6	4.1	4.1	5.0
color	15	5	140	NA	NA	NA	U	NA	NA	U	NA	NA	NA	U	NA
cyanide, Total	200	0.02	U	NA	NA	NA	U	NA	NA	0.010 F	0.0050 F	NA	NA	NA	NA
Fluoride	1.5	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
hardness, Total	--	1	86.7	130	100	96	92	92	120	92	420	120	120	110	100
nitrate	10	1	0.29 F	0.24 F	0.47	0.17	0.16 B	0.16 B	0.055 F	0.23	0.39	0.19	0.14	0.77	0.90
TKN	1	0.2	0.076 F	U	U	0.076 F	U	0.38 B	U	U	U	U	U	U	U
sulfate	250	1	10.9	12	11	12	13	12	12	13	15	14	13	14	14
TDS	500	10	148	120	140	70	130	120	130	120	120	130	93	130	140
TOC	--	1	0.45 F	U	0.73 F	U	0.76 F	0.54 F	0.59 F	1.3	U	0.49 F	U	U	0.51 F

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6VMW-10R2											
Date of Collection			9/15/2009	3/24/2010	9/16/2010	6/7/2011	6/18/2012	6/18/2013						
Sample ID No.			LF6VM10R230NA	LF6VM10R2300A	LF6VM10R230PA	LF6VM10R230PA	LF6VM10R230QA	LF6VM10R230RA						
Depth to Water (ft)			13.29	12.78	14.11	11.97	13.20	12.75						
VOCs (µg/L)														
1,1,1-trichloroethane	5*	1	U	U	U	NA	NA	NA						
1,1-dichloroethene	5*	1	U	U	U	NA	NA	NA						
1,2-dichloroethane	0.6	1	U	U	U	NA	NA	NA						
1,4-dichlorobenzene	3	0.5	U	U	U	NA	NA	NA						
acetone	50	10	U	U	1.51 FB	NA	NA	NA						
benzene	1	0.1	U	U	U	NA	NA	NA						
carbon disulfide	1,000	0.5	U	U	U	NA	NA	NA						
chloroform	7	0.3	U	U	U	NA	NA	NA						
chloromethane	5*	1	U	U	U	NA	NA	NA						
cis-1,2-dichloroethene	5*	1	U	U	U	NA	NA	NA						
dichlorodifluoromethane	5*	1	U	U	U	NA	NA	NA						
hexachlorobutadiene	0.5*	0.6	U	U	U	NA	NA	NA						
methylene chloride	5*	1	U	U	U	NA	NA	NA						
trichloroethene (TCE)	5*	1	U	U	U	NA	NA	NA						
toluene	5*	1	U	U	U	NA	NA	NA						
trans-1,2-dichloroethene	5*	1	U	U	U	NA	NA	NA						
trichlorofluoromethane	5*	1	U	U	U	NA	NA	NA						
vinyl chloride	2	1	U	U	U	NA	NA	NA						
xylenes, Total	--	1.5	U	U	U	NA	NA	NA						
Total VOCs (µg/L)			0	0	1.51	NA	NA	NA						
Leachate Indicators (mg/L)														
alkalinity, Total	--	10	80	82	80	88	100	94						
ammonia	2	0.2	U	U	U	0.25 F	0.22 JB	0.025 J						
BOD5	--	2.4	U	U	U	U	U	1.7 J						
bromide	2	0.5	0.044 F	0.067 F	U	0.12 F	U	0.13 J						
COD	--	5	U	U	U	U	6.0 J	8.3 J						
chloride	250	1	4.6	3.5	7.4	7.0	5.2 J	9.9						
color	15	5	NA	U	NA	U	U	U						
cyanide, Total	200	0.02	NA	NA	U	NA	U	U						
Fluoride	1.5	1	NA	NA	NA	NA	NA	NA						
hardness, Total	--	1	110	100	120	120	130	140						
nitrate	10	1	0.68	0.6	0.64 F	0.89	0.86	2.7						
TKN	1	0.2	U	0.20 B	0.16 FB	0.42 F	0.69 JB	0.52 J						
sulfate	250	1	14	14	19	22	19	18						
TDS	500	10	130	110	110	150	140	140						
TOC	--	1	0.48 F	U	1.1	8	0.5 J	0.92 J						

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6MW-12												
Date of Collection			6/29/2006	9/19/2006	12/13/2006	4/17/2007	6/25/2007	10/1/2007	12/12/2007	4/7/2008	6/18/2008	10/2/2008	12/11/2008	4/16/2009	7/1/2009
Sample ID No.			LF6M1246AA	LF6M1246BB	LF6M1246CA	LF6M1246DA	LF6M1246EA	LF6M1246FA	LF6M1246GA	LF6M1246HA	LF6M1246IA	LF6M1246JA	LF6M1246KA	LF6M1246LA	LF6M1246MA
Depth to Water (ft)			4.48	4.91	3.90	2.90	3.89	4.85	4.2	3.29	3.91	4.06	4.12	3.74	4.15
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1	U	0.63 F	U	0.490 F	U	0.530 F	U	0.490 F	U	U	U	U	U
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
acetone	50	10	0.76 F	U	U	U	U	U	U	U	U	66.0 F	U	U	U
benzene	1	0.1	0.62	0.47 F	U	0.360 F	U	0.390 F	U	0.310 F	U	U	U	U	U
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U	U	6.00 F	U	U	U
chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U	U	U	U
chloromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1	470	264	275	192 J	175	179	163	158	138	160	266	120	117
dichlorodifluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
hexachlorobutadiene	0.5*	0.6	U	U	U	U	6.00 F	U	U	U	U	U	U	U	U
methylene chloride	5*	1	U	U	U	U	U	U	U	U	U	4.50 F	U	U	U
trichloroethene (TCE)	5*	1	1,500	942	1,060 J	851 J	702	741	791	767	727	664	523	653	709
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-dichloroethene	5*	1	16	12.8	8.75 F	4.68	9.00 F	14.9	20.2 F	5.31	8.25	28.5	11 F	4.75 F	6.00 F
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
vinyl chloride	2	1	2.7	2.4	U	1.27	U	1.57	U	U	U	U	U	U	U
xylenes, Total	--	1.5	U	U	2.50 F	U	U	U	U	U	U	U	U	U	U
Total VOCs (µg/L)			1,990.08	1,222.30	1,348.75	1,049.80	892.00	937.39	974.2	931.11	873.25	929.00	800	777.75	832
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	431	350	340	330	320	290	310	330	350	120	210	290	310
ammonia	2	0.2	0.013 F	0.051 B	0.041 F	0.073	0.078	0.068	0.062	0.065	0.10 B	0.11 B	0.098	0.12 B	0.085
BOD5	--	2.4	U	U	U	U	U	U	U	U	U	63 F	28	U	U
bromide	2	0.5	U	0.09 F	U	0.15	0.10 F	0.12	0.21	0.24	0.16	0.17 F	U	0.17 F	0.18 F
COD	--	5	U	U	16	13 B	24 B	8.5 F	13 B	11	8.5 F	110	35	10	14
chloride	250	1	38	44	49	49	55	52	66	75	58	63	75	70	64
color	15	5	13	NA	NA	NA	U	NA	NA	U	U	NA	NA	U	NA
cyanide, Total	200	0.02	U	NA	NA	NA	U	NA	NA	0.0087 F	0.0093 F	NA	NA	NA	NA
Fluoride	1.5	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
hardness, Total	--	1	212	470	420	410	400	380	550	24	110	96	310	400	420
nitrate	10	1	0.05 F	U	U	U	U	U	U	0.015	0.016 F	U	U	U	0.030 F
TKN	1	0.2	U	0.082 F	0.059 F	U	0.058 F	0.14 F	0.071 F	0.092 F	0.14 F	0.64	0.28	0.18 F	0.22
sulfate	250	1	56.9	59	55	53	60	68	72	82	82	23	55	79	70
TDS	500	10	564	520	540	510	510	1000	530	540	530	310	430	550	570
TOC	--	1	2.2	1.7	2.0	1.6	1.5	1.8	1.7	1.8	1.6	33	8.3	1.6	1.7

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well Date of Collection	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6MW-12											
			9/16/2009	3/24/2010	9/16/2010	6/8/2011	6/20/2012	6/19/2013						
Sample ID No.			LF6M1246NA	LF6M1246OA	LF6M1246PA	LF6M1246PA	LF6M1246QA	LF6M1246RA						
Depth to Water (ft)			4.77	4.20	6.55	3.75	4.32	4.20						
VOCs (µg/L)														
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U						
1,1-dichloroethene	5*	1	U	U	U	2.1	0.59 J	1.8						
1,2-dichloroethane	0.6	1	U	U	U	U	U	U						
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U						
acetone	50	10	U	U	226 FB	55	U	5.4 JQ						
benzene	1	0.1	U	U	U	0.28 F	U	0.28 J						
carbon disulfide	1,000	0.5	U	U	3.50 F	U	U	U						
chloroform	7	0.3	U	U	U	U	U	U						
chloromethane	5*	1	U	U	U	U	U	U						
cis-1,2-dichloroethene	5*	1	174	241	972	530	380	430						
dichlorodifluoromethane	5*	1	U	U	U	U	U	U						
hexachlorobutadiene	0.5*	0.6	U	U	U	U	U	U						
methylene chloride	5*	1	U	U	U	U	U	U						
trichloroethene (TCE)	5*	1	711	655	14.5 F	220	300	470						
toluene	5*	1	U	U	U	U	U	U						
trans-1,2-dichloroethene	5*	1	9.25 F	7.25 F	5.00 F	6.2	7.9	13						
trichlorofluoromethane	5*	1	U	U	U	U	U	U						
vinyl chloride	2	1	U	U	U	4.7	4.1	7.1						
xylenes, Total	--	1.5	U	U	U	U	U	U						
Total VOCs (µg/L)			894.25	903.25	1,221	818.28	692.59	927.89						
Leachate Indicators (mg/L)														
alkalinity, Total	--	10	300	310	430	420	400	410						
ammonia	2	0.2	0.068	0.034 F	U	0.20 F	0.084 JB	0.097 J						
BOD5	--	2.4	U	10	550 F	U	59 D	6.5						
bromide	2	0.5	0.12 F	0.4	U	0.20 F	0.12 J	0.29 J						
COD	--	5	14	22	1,300	54	15 J	20 J						
chloride	250	1	68	110	78	85	67	100						
color	15	5	NA	U	NA	U	U	U						
cyanide, Total	200	0.02	NA	NA	U	U	U	U						
Fluoride	1.5	1	NA	NA	NA	3.1	0.68 J	U						
hardness, Total	--	1	420	450	580	460	460	550						
nitrate	10	1	U	U	U	U	U	U						
TKN	1	0.2	U	0.63 B	0.73	0.60 F	0.83 JB	0.63 J						
sulfate	250	1	62	66	14	50	47	43						
TDS	500	10	510	540	770	640	580	650						
TOC	--	1	3	4.5	270	12	3.1	3.2						

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6VMW-17D												
Date of Collection			6/28/2006	9/18/2006	12/12/2006	4/13/2007	6/21/2007	9/28/2007	12/10/2007	4/3/2008	6/18/2008	10/1/2008	12/9/2008	4/14/2009	6/29/2009
Sample ID No.			LF6VM17D48AA	LF6VM17D48BB	LF6VM17D48CA	LF6VM17D48DA	LF6VM17D48EA	LF6VM17D48FA	LF6VM17D48GA	LF6VM17D48HA	LF6VM17D48IA	LF6VM17D48JA	LF6VM17D48KA	LF6VM17D48LA	LF6VM17D48MA
Depth to Water (ft)			13.00	13.41	11.22	9.30	12.18	14.25	12.92	9.88	12.15	13.68	12.05	10.29	12.11
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U	U	0.180 F	U	U	U	U	U
acetone	50	10	1.1 F	1.12 F	U	U	U	U	U	U	U	U	U	U	5.06 F
benzene	1	0.1	U	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U	U	U	U
chloromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
dichlorodifluoromethane	5*	1	U	U	UF	U	U	U	U	U	U	U	U	U	U
hexachlorobutadiene	0.5*	0.6	U	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	U	0.42 F	U	U	U	U	0.170 F	U	U	U	U	U	U
trichloroethene (TCE)	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	0.190 F
trans-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
vinyl chloride	2	1	U	U	U	U	U	U	U	U	U	U	U	U	U
xylenes, Total	--	1.5	U	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs (µg/L)			1.1	1.54	0	0	0	0	0.170	0.180	0	0	0	0	5.25
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	110	120	150	150	110	100	120	130	120	92	110	110	96
ammonia	2	0.2	U	U	U	U	0.026 F	U	0.025 F	U	0.043 F	0.027 F	U	U	0.13
BOD5	--	2.4	U	U	U	U	U	U	U	U	U	U	U	U	U
bromide	2	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
COD	--	5	U	U	9.4 F	19	8.5 F	U	4.1 F	8.5 F	U	U	U	28	U
chloride	250	1	2.9	3	2.5	2.3	2.4	2.1	2.0	2.0	1.9	1.7	3.4	1.7	1.6
color	15	5	50	NA	NA	NA	U	NA	NA	U	U	NA	NA	U	NA
cyanide, Total	200	0.02	0.0076 F	NA	NA	NA	U	NA	NA	0.0043 F	0.0047 F	NA	NA	NA	NA
Fluoride	1.5	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
hardness, Total	--	1	99.5	130.0	130	160	120	76	140	140	120	120	120	120	110
nitrate	10	1	0.13 F	0.18 F	0.18	0.21	0.16 B	0.15 B	0.22	0.19	0.16	0.14	0.17	0.18	0.15
TKN	1	0.2	0.38	U	U	U	U	U	0.060 F	U	U	0.12 F	U	U	0.16 F
sulfate	250	1	7.8	8.3	8.2	8.6	8.5	8.2	8.2	8.6	8.3	8.3	8.5	8.9	8.5
TDS	500	10	135	150	150	170	150	140	130	140	99	100	140	81	120
TOC	--	1	0.44 F	0.72 F	0.87 F	0.97 F	0.54 F	0.71 F	0.80 F	0.86 F	U	0.44 F	0.64 F	U	U

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6VMW-17D											
Date of Collection			9/14/2009	3/22/2010	9/15/2010	6/7/2011	6/20/2012	6/13/2013						
Sample ID No.			LF6VM17D48NA	LF6VM17D48OA	LF6VM17D48PA	LF6VM17D48PA	LF6VM17D48QA	LF6VM17D48RA						
Depth to Water (ft)			14.00	12.06	15.05	9.86	12.58	12.72						
VOCs (µg/L)														
1,1,1-trichloroethane	5*	1	U	U	U	NA	NA	NA						
1,1-dichloroethene	5*	1	U	U	U	NA	NA	NA						
1,2-dichloroethane	0.6	1	U	U	U	NA	NA	NA						
1,4-dichlorobenzene	3	0.5	U	U	U	NA	NA	NA						
acetone	50	10	U	U	1.97 FB	NA	NA	NA						
benzene	1	0.1	U	U	U	NA	NA	NA						
carbon disulfide	1,000	0.5	U	U	U	NA	NA	NA						
chloroform	7	0.3	U	U	U	NA	NA	NA						
chloromethane	5*	1	U	U	U	NA	NA	NA						
cis-1,2-dichloroethene	5*	1	U	U	U	NA	NA	NA						
dichlorodifluoromethane	5*	1	U	U	U	NA	NA	NA						
hexachlorobutadiene	0.5*	0.6	U	U	U	NA	NA	NA						
methylene chloride	5*	1	U	U	U	NA	NA	NA						
trichloroethene (TCE)	5*	1	U	U	U	NA	NA	NA						
toluene	5*	1	U	U	U	NA	NA	NA						
trans-1,2-dichloroethene	5*	1	U	U	U	NA	NA	NA						
trichlorofluoromethane	5*	1	U	U	U	NA	NA	NA						
vinyl chloride	2	1	U	U	U	NA	NA	NA						
xylenes, Total	--	1.5	U	U	U	NA	NA	NA						
Total VOCs (µg/L)			0	0	1.97	NA	NA	NA						
Leachate Indicators (mg/L)														
alkalinity, Total	--	10	86	98	84	91	86	94						
ammonia	2	0.2	U	U	U	0.079 F	0.090 JB	0.023 J						
BOD5	--	2.4	U	U	U	U	U	U						
bromide	2	0.5	1.6	U	U	U	U	U						
COD	--	5	U	U	U	U	U	6.7 J						
chloride	250	1	1.6	1.5	1.5	1.3 F	1.3 J	1.1 J						
color	15	5	NA	U	NA	U	U	U						
cyanide, Total	200	0.02	NA	0.0083 F	U	NA	U	U						
Fluoride	1.5	1	NA	NA	NA	U	U	0.063 J						
hardness, Total	--	1	110	110	85	100	93	9.0						
nitrate	10	1	0.15 B	0.16 B	U	0.16 F	0.28 J	0.35 J						
TKN	1	0.2	U	0.23 B	0.16 FB	0.38 F	0.64 JB	0.35 J						
sulfate	250	1	8.7	9.3 B	9.5	10	11	11						
TDS	500	10	100	98 B	100	110	98	110						
TOC	--	1	0.52 F	0.60 FB	U	0.49 F	0.50 J	0.33 J						

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6VMW-17S												
Date of Collection			6/28/2006	9/18/2006	12/15/2006	4/13/2007	6/21/2007	9/28/2007	12/10/2007	4/3/2008	6/18/2008	10/2/2008	12/9/2008	4/15/2009	6/29/2009
Sample ID No.			LF6VM17S13AA	LF6VM17S12BB	LF6VM17S12CA	LF6VM17S12DA	LF6VM17S12EA	LF6VM17S12FA	LF6VM17S12GA	LF6VM17S15HA	LF6VM17S15IA	LF6VM17S13JA	LF6VM17S13KA	LF6VM17S15LA	LF6VM17S15MA
Depth to Water (ft)			--	12.26	9.27	7.77	11.08	13.40	12.07	6.38	11.08	12.78	10.60	8.77	10.89
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
acetone	50	10	1.3 F	U	U	1.70 F	U	U	2.07	U	U	U	U	1.37 F	4.61 F
benzene	1	0.1	U	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U	U	U	U
chloromethane	5*	1	U	U	U	U	U	U	U	U	U	0.340 F	U	U	U
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
dichlorodifluoromethane	5*	1	U	U	UF	U	UF	UF	U	U	U	U	U	U	U
hexachlorobutadiene	0.5*	0.6	U	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	0.190 F
trans-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
vinyl chloride	2	1	U	U	U	U	U	U	U	U	U	U	U	U	U
xylenes, Total	--	1.5	U	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs (µg/L)			1.3	0	0	1.7	0	0	2.07	0	0	0	0.34	1.37	4.8
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	3.9 F	U	U	U	U	U	U	U	U	U	U	U	U
ammonia	2	0.2	U	U	0.10	0.014 F	0.041 F	0.034 F	0.038 F	0.038 F	0.050 B	0.014 F	U	0.036 F	U
BOD5	--	2.4	U	U	U	U	U	U	U	U	U	U	U	U	U
bromide	2	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
COD	--	5	12.3	14 B	24 B	26	17 B	20	28 B	6.3 F	17	15	6.0 F	U	9.0 F
chloride	250	1	1.9	0.66 F	0.46 F	0.78 F	0.72 F	0.77 F	0.74 F	0.62 F	0.52 F	0.62 F	2.4	0.52 F	0.63 F
color	15	5	U	NA	NA	NA	U	NA	NA	U	NA	NA	NA	U	NA
cyanide, Total	200	0.02	0.0076 F	NA	NA	NA	U	NA	NA	0.012 F	U	NA	NA	NA	NA
Fluoride	1.5	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
hardness, Total	--	1	31.9	80 B	36	72	28	U	150.0	28	40	32	44	56	44
nitrate	10	1	1	1.1	1.3	1.3	1.6	1.0	1.3	1.9	3.0	1.5	3.3	4.2	3.5 J
TKN	1	0.2	0.058 F	0.19 F	0.31 F	0.16 F	0.11 F	0.33	0.63	0.42	0.078 F	0.36	0.13 F	0.45 B	0.21
sulfate	250	1	33.9	33	30	25	25	24	25	22	20	21	18	20	16
TDS	500	10	87	100	87	50	60	63	36	74	82	59	57	62	62
TOC	--	1	2.5	3.9	5.5	4.3	3.7 B	5.5	4.7	8.9	5.1	4.5	3.9	8.4	3.7

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6VMW-17S											
Date of Collection			9/15/2009	3/22/2010	9/15/2010	6/7/2011	6/20/2012	6/18/2013						
Sample ID No.			LF6VM17S13NA	LF6VM17S15OA	LF6VM17S15PA	LF6VM17S15PA	LF6VM17S15QA	LF6VM17S15RA						
Depth to Water (ft)			13.03	10.60	14.12	8.27	11.41	10.81						
VOCs (µg/L)														
1,1,1-trichloroethane	5*	1	U	U	U	NA	NA	NA						
1,1-dichloroethene	5*	1	U	U	U	NA	NA	NA						
1,2-dichloroethane	0.6	1	U	U	U	NA	NA	NA						
1,4-dichlorobenzene	3	0.5	U	U	U	NA	NA	NA						
acetone	50	10	U	U	2.48 FB	NA	NA	NA						
benzene	1	0.1	U	U	U	NA	NA	NA						
carbon disulfide	1,000	0.5	U	U	U	NA	NA	NA						
chloroform	7	0.3	U	U	U	NA	NA	NA						
chloromethane	5*	1	U	U	U	NA	NA	NA						
cis-1,2-dichloroethene	5*	1	U	U	U	NA	NA	NA						
dichlorodifluoromethane	5*	1	U	U	U	NA	NA	NA						
hexachlorobutadiene	0.5*	0.6	U	U	U	NA	NA	NA						
methylene chloride	5*	1	U	U	U	NA	NA	NA						
trichloroethene (TCE)	5*	1	U	U	U	NA	NA	NA						
toluene	5*	1	U	U	U	NA	NA	NA						
trans-1,2-dichloroethene	5*	1	U	U	U	NA	NA	NA						
trichlorofluoromethane	5*	1	U	U	U	NA	NA	NA						
vinyl chloride	2	1	U	U	U	NA	NA	NA						
xylenes, Total	--	1.5	U	U	U	NA	NA	NA						
Total VOCs (µg/L)			0	0	2.48	NA	NA	NA						
Leachate Indicators (mg/L)														
alkalinity, Total	--	10	80	U	U	1.8 F	3.8 J	4.7 J						
ammonia	2	0.2	0.018 F	U	U	0.20	0.076 JB	U						
BOD5	--	2.4	U	U	U	U	U	U						
bromide	2	0.5	U	U	U	U	U	U						
COD	--	5	25	12 B	17	34 F	25	22						
chloride	250	1	0.70 F	0.95 F	1.4	0.46 F	0.54 J	0.79 J						
color	15	5	NA	U	NA	U	U	U						
cyanide, Total	200	0.02	NA	0.0081 F	U	NA	U	U						
fluoride	1.5	1	NA	NA	NA	0.063 F	0.20 J	U						
hardness, Total	--	1	24	31	30	47	74	24						
nitrate	10	1	3.0	4.4	4.5 F	3.4	2.2	1.1						
TKN	1	0.2	0.56	0.27 B	0.72 B	0.58 F	0.85 JB	0.53 J						
sulfate	250	1	15	15 B	11	21	13	11						
TDS	500	10	65	52 B	78	67	34	34						
TOC	--	1	4.8	3.2 B	3.1 B	8.6	4.3	3.1						

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6VMW-18												
Date of Collection			6/28/2006	9/18/2006	12/12/2006	4/13/2007	6/21/2007	9/28/2007	12/12/2007	4/3/2008	6/18/2008	9/30/2008	12/9/2008	4/14/2009	6/29/2009
Sample ID No.			LF6VM1850AA	LF6VM1850BB	LF6VM1850CA	LF6VM1850DA	LF6VM1850EA	LF6VM1850FA	LF6VM1850GA	LF6VM1850HA	LF6VM1850IA	LF6VM1850JA	LF6VM1850KA	LF6VM1850LA	LF6VM1850MA
Depth to Water (ft)			11.28	11.67	10.58	9.61	10.31	11.43	9.97	9.78	10.50	11.29	10.97	10.28	10.70
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U	U	0.200 F	U	U	U	U	U
acetone	50	10	U	U	U	U	U	U	U	U	U	U	U	U	7.00 F
benzene	1	0.1	U	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U	U	U	U	UF	U
chloroform	7	0.3	U	U	U	U	U	U	U	0.120 F	U	U	U	U	U
chloromethane	5*	1	U	U	U	U	U	U	U	U	U	U	0.400 F	U	U
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
dichlorodifluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
hexachlorobutadiene	0.5*	0.6	U	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	U	U	U	U	U	U	0.110 F	U	U	U	U	U	U
m,p-xylene	5*	2	U	U	U	U	U	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	0.210 F
trans-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
vinyl chloride	2	1	U	U	U	U	U	U	U	U	U	U	U	U	U
xylenes, Total	—	1.5	U	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs (µg/L)			0	0	0	0	0	0	0.110	0.320	0	0	0.400	0	8.350
Leachate Indicators (mg/L)															
alkalinity, Total	—	10	274	260	250	260	270	270	250	220	240	250	230	210	220
ammonia	2	0.2	U	U	U	0.016 F	0.036 F	U	U	U	0.052 B	0.014 F	U	U	U
BOD5	—	2.4	U	U	U	U	U	U	U	U	U	U	U	U	U
bromide	2	0.5	U	0.044 F	U	U	0.038 F	0.049 F	0.050 F	0.038 F	0.052 F	0.047 F	U	0.047 F	0.039 F
COD	—	5	14	U	9.4 F	13	8.5 F	4.1 F	6.3 F	4.1 F	20	8.2 F	U	6.0 F	U
chloride	250	1	64.7	67	63	63	62	52	51	88	100	95	95	110	100 F
color	15	5	20	NA	NA	NA	U	NA	NA	U	U	NA	NA	U	NA
cyanide, Total	200	0.02	0.0076 F	NA	NA	NA	U	NA	NA	0.0098 F	U	NA	NA	NA	NA
Fluoride	1.5	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
hardness, Total	—	1	315	410	380	360	370	320	340	340	410	380	330	340	360
nitrate	10	1	0.655	0.14 F	0.092 F	0.11	0.24	0.21 B	0.27	0.058 F	0.082 F	0.046 F	U	U	U
TKN	1	0.2	0.15 F	0.081 F	0.070 F	U	U	0.062 F	U	U	U	U	U	U	U
sulfate	250	1	46.5	56	52	49	54	50	44	39	41	43	38	38	39
TDS	500	10	420	480	470	420	520	330	410	290	420	480	450	430	490
TOC	—	1	U	0.72 F	1.1	0.56 F	1.3 B	0.92 F	3.0	1.6	0.48 F	0.53 F	0.86 F	U	0.65 F

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6VMW-18										
Date of Collection			9/14/2009	3/22/2010	9/14/2010	6/6/2011	6/18/2012	6/13/2013					
Sample ID No.			LF6VM1850NA	LF6VM1850OA	LF6VM1850PA	LF6VM1850PA	LF6VM1850QA	LF6VM1850RA					
Depth to Water (ft)			11.81	11.41	13.58	10.34	11.44	11.23					
VOCs (µg/L)													
1,1,1-trichloroethane	5*	1	U	U	U	NA	NA	NA					
1,1-dichloroethene	5*	1	U	U	U	NA	NA	NA					
1,2-dichloroethane	0.6	1	U	U	U	NA	NA	NA					
1,4-dichlorobenzene	3	0.5	U	U	U	NA	NA	NA					
acetone	50	10	U	U	2.30 F	NA	NA	NA					
benzene	1	0.1	U	U	U	NA	NA	NA					
carbon disulfide	1,000	0.5	U	U	U	NA	NA	NA					
chloroform	7	0.3	U	U	U	NA	NA	NA					
chloromethane	5*	1	U	U	U	NA	NA	NA					
cis-1,2-dichloroethene	5*	1	U	U	U	NA	NA	NA					
dichlorodifluoromethane	5*	1	U	U	U	NA	NA	NA					
hexachlorobutadiene	0.5*	0.6	U	U	U	NA	NA	NA					
methylene chloride	5*	1	U	U	U	NA	NA	NA					
m,p-xylene	5*	2	U	U	U	NA	NA	NA					
trichloroethene (TCE)	5*	1	U	U	U	NA	NA	NA					
toluene	5*	1	U	U	U	NA	NA	NA					
trans-1,2-dichloroethene	5*	1	U	U	U	NA	NA	NA					
trichlorofluoromethane	5*	1	U	U	U	NA	NA	NA					
vinyl chloride	2	1	U	U	U	NA	NA	NA					
xylenes, Total	—	1.5	U	U	U	NA	NA	NA					
Total VOCs (µg/L)			0	0	2.30	NA	NA	NA					
Leachate Indicators (mg/L)													
alkalinity, Total	—	10	260	240	240	230	260	220					
ammonia	2	0.2	0.038 F	U	U	0.064 F	0.096 JB	U					
BOD5	—	2.4	U	U	U	U	U	U					
bromide	2	0.5	0.053 F	U	U	U	U	U					
COD	—	5	U	5.4 FB	U	U	7.3 J	U					
chloride	250	1	110	110	120	120	92	120					
color	15	5	NA	U	NA	U	U	U					
cyanide, Total	200	0.02	NA	0.0083 F	U	NA	U	U					
Fluoride	1.5	1	NA	NA	NA	NA	NA	U					
hardness, Total	—	1	360	350	340	320	310	34					
nitrate	10	1	0.030 F	U	U	U	U	U					
TKN	1	0.2	U	0.19 FB	0.27 B	0.47 F	0.74 JB	0.49 J					
sulfate	250	1	42	39	42	39	42	39 J					
TDS	500	10	470	460	480	460	430	440					
TOC	—	1	0.62 F	0.67 FB	0.82 F	0.80 F	0.67 J	0.51 J					

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6VMW-19												
Date of Collection			6/28/2006	9/18/2006	12/12/2006	4/13/2007	6/20/2007	9/28/2007	12/10/2007	4/7/2008	6/18/2008	9/30/2008	12/9/2008	4/14/2009	6/29/2009
Sample ID No.			LF6VM1926AA	LF6VM1926BB	LF6VM1926CA	LF6VM1926DA	LF6VM1926EA	LF6VM1926FA	LF6VM1926GA	LF6VM1926HA	LF6VM1926IA	LF6VM1926JA	LF6VM1926KA	LF6VM1926LA	LF6VM1926MA
Depth to Water (ft)			9.03	9.37	8.31	7.02	7.65	9.03	8.78	7.38	7.95	8.90	8.68	7.96	9.30
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U	U	0.180 F	U	U	U	U	U
acetone	50	10	1 F	U	U	U	U	U	U	U	U	U	U	U	2.49 F
benzene	1	0.1	U	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
chloroform	7	0.3	U	1.07	0.290 F	0.100 F	0.850	1.450	0.640	0.150 F	0.470 F	1.57	0.570	0.130 F	0.770
chloromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
dichlorodifluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
hexachlorobutadiene	0.5*	0.6	U	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	U	U	U	U	U	0.120 F	U	U	U	U	U	U	U
m,p-xylene	5*	2	U	U	U	U	U	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
vinyl chloride	2	1	U	U	U	U	U	U	U	U	U	U	U	U	U
xylenes, Total	—	1.5	U	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs (µg/L)			1	1.07	0.29	0.1	0.850	1.570	0.640	0.330	0.470	1.570	0.570	0.130	3.260
Leachate Indicators (mg/L)															
alkalinity, Total	—	10	106	110	130	140	92	120	150	250	150	110	180	290	190
ammonia	2	0.2	U	U	U	U	0.027 F	U	0.025 F	0.061	0.059 B	0.012 F	U	U	U
BOD5	—	2.4	U	U	U	U	U	U	U	U	U	U	U	U	U
bromide	2	0.5	U	0.014 F	U	U	U	0.044 F	U	U	0.036 F	0.042 F	U	0.015 F	0.016 F
COD	—	5	0.0076 F	5 F	9.4 F	19	8.5 F	U	U	6.3 F	4.1 F	58	U	3.7 F	U
chloride	250	1	3.4	40	10	6.0	90	100	23	7.9	76	120	24	7.5	44 J
color	15	5	50	NA	NA	NA	U	NA	NA	U	U	NA	NA	U	NA
cyanide, Total	200	0.02	0.0076 F	NA	NA	NA	U	NA	NA	0.014 F	U	NA	NA	NA	NA
Fluoride	1.5	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
hardness, Total	—	1	115	160	190	200	180	170	190	280	240	260	300	340	250
nitrate	10	1	0.55 F	1.6	0.95	0.87	1.4	1.6	0.68	0.49	1.2	1.5	0.65	0.82	1.4
TKN	1	0.2	0.16 F	U	U	U	0.089 F	0.078 F	U	NA	U	0.076 F	3.3	0.12	U
sulfate	250	1	15.6	23	42	42	20	17	17	27	24	20	23	28	23
TDS	500	10	158	230	250	220	370	390	170	310	350	350	280	330	340
TOC	—	1	0.65 F	0.5 F	1.2	1.7	U	0.47 F	1.2	1.2	0.69 F	0.43 F	0.85 F	U	0.60 F

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6VMW-19											
Date of Collection			9/14/2009	3/22/2010	9/14/2010	6/6/2011	6/18/2012	6/13/2013						
Sample ID No.			LF6VM1926NA	LF6VM1926OA	LF6VM1926PA	LF6VM1926PA	LF6VM1926QA	LF6VM1926RA						
Depth to Water (ft)			9.31	9.34	10.55	8.05	9.15	9.43						
VOCs (µg/L)														
1,1,1-trichloroethane	5*	1	U	U	U	NA	NA	NA						
1,1-dichloroethene	5*	1	U	U	U	NA	NA	NA						
1,2-dichloroethane	0.6	1	U	U	U	NA	NA	NA						
1,4-dichlorobenzene	3	0.5	U	U	U	NA	NA	NA						
acetone	50	10	U	U	2.20 F	NA	NA	NA						
benzene	1	0.1	U	U	U	NA	NA	NA						
carbon disulfide	1,000	0.5	U	U	U	NA	NA	NA						
chloroform	7	0.3	1.87	0.5	1.97	NA	NA	NA						
chloromethane	5*	1	U	U	U	NA	NA	NA						
cis-1,2-dichloroethene	5*	1	U	U	U	NA	NA	NA						
dichlorodifluoromethane	5*	1	U	U	U	NA	NA	NA						
hexachlorobutadiene	0.5*	0.6	U	U	U	NA	NA	NA						
methylene chloride	5*	1	U	U	U	NA	NA	NA						
m,p-xylene	5*	2	U	U	U	NA	NA	NA						
trichloroethene (TCE)	5*	1	U	U	U	NA	NA	NA						
toluene	5*	1	U	U	U	NA	NA	NA						
trans-1,2-dichloroethene	5*	1	U	U	U	NA	NA	NA						
trichlorofluoromethane	5*	1	U	U	U	NA	NA	NA						
vinyl chloride	2	1	U	U	U	NA	NA	NA						
xylenes, Total	–	1.5	U	U	U	NA	NA	NA						
Total VOCs (µg/L)			1.87	0.5	4.17	NA	NA	NA						
Leachate Indicators (mg/L)														
alkalinity, Total	–	10	140	320	160	160	190	280						
ammonia	2	0.2	0.042 F	U	U	0.054 F	0.099 JB	U						
BOD5	–	2.4	U	U	U	U	U	U						
bromide	2	0.5	0.037 F	U	U	U	U	U						
COD	–	5	U	U	U	U	5.0 J	U						
chloride	250	1	77	21	78	24	82	30						
color	15	5	NA	U	NA	U	U	U						
cyanide, Total	200	0.02	NA	0.0089 F	U	NA	U	U						
Fluoride	1.5	1	NA	NA	NA	NA	NA	U						
hardness, Total	–	1	200	360	250	190	250	33						
nitrate	10	1	2.0	1.4	1.8	4.9	3.4	5.8						
TKN	1	0.2	U	0.24 B	0.28 B	0.36 F	0.58 JB	0.50 J						
sulfate	250	1	17	23 B	18	11	18	12						
TDS	500	10	320	370	290	250	340	380						
TOC	–	1	0.44 F	1.3 B	0.78 F	1.1	0.91 J	1.2						

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6VMW-20												
Date of Collection			6/28/2006	9/18/2006	12/12/2006	4/11/2007	6/20/2007	9/27/2007	12/10/2007	4/7/2008	6/17/2008	9/30/2008	12/9/2008	4/14/2009	6/29/2009
Sample ID No.			LF6VM2068AA	LF6VM2068BB	LF6VM2068CA	LF6VM2068DA	LF6VM2068EA	LF6VM2068FA	LF6VM2068GA	LF6VM2068HA	LF6VM2068IA	LF6VM2068JA	LF6VM2068KA	LF6VM2068LA	LF6VM2068MA
Depth to Water (ft)			11.04	11.40	10.25	8.97	9.20	4.78	10.85	9.28	9.54	10.74	10.73	9.95	10.10
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
acetone	50	10	U	U	U	U	U	U	U	U	U	U	U	U	U
benzene	1	0.1	U	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U	U	U	U
chloromethane	5*	1	U	U	U	U	U	U	U	U	U	U	0.340 F	U	U
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
dichlorodifluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
hexachlorobutadiene	0.5*	0.6	U	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	U	U	0.140 F	U	U	U	0.100	U	U	U	U	U	U
m,p-xylene	5*	2	U	U	U	U	U	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
vinyl chloride	2	1	U	U	U	U	U	U	U	U	U	U	U	U	U
xylenes, Total	—	1.5	U	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs (µg/L)			0	0	0.14	0	0	0	0.100	0	0	0	0.34	0	0
Leachate Indicators (mg/L)															
alkalinity, Total	—	10	140	120	130	130	150	160	150	160	180	160	170	190	180
ammonia	2	0.2	0.22	0.081	U	U	0.031 F	0.011 F	0.039 F	0.09	0.093 B	U	U	U	U
BOD5	—	2.4	U	U	U	U	U	U	U	U	U	U	U	U	U
bromide	2	0.5	U	0.077 F	0.044 F	U	0.10 F	U	0.088 F	0.052 F	U	0.061 F	U	0.035 F	U
COD	—	5	U	9.2 F	5.3 F	17	15	U	6.3 F	6.3 F	U	8.2 F	U	6.0 F	U
chloride	250	1	463	400	340	470	470	35	390	200	180	250	230	110	57
color	15	5	400	NA	NA	NA	15	NA	NA	20	25	NA	NA	10	NA
cyanide, Total	200	0.02	0.0076 F	NA	NA	NA	0.018 F	NA	NA	0.016 F	0.046	NA	NA	NA	NA
Fluoride	1.5	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
hardness, Total	—	1	600	450	400	420	340	270	340	210	200	240	210	160	120
nitrate	10	1	0.87 F	1.3	1.5	1.4	1.5	0.11	1.2	0.9	0.79 F	0.92	0.98	0.98	0.93
TKN	1	0.2	0.46	0.12 F	U	U	U	0.071 F	U	U	U	U	U	U	U
sulfate	250	1	10	14	16	12	15	1.1	15	14	13	11	13	12	7.7
TDS	500	10	806	1,100	890	1,100	1,100	860	620	520	490	600	590	390	310
TOC	—	1	1 B	0.93 F	0.83 F	0.51 F	0.51 F	0.53 F	0.70 F	0.71 F	U	U	0.73 F	U	U

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6VMW-20											
Date of Collection			9/14/2009	3/22/2010	9/15/2010	6/6/2011	6/18/2012	6/13/2013						
Sample ID No.			LF6VM2068NA	LF6VM2068OA	LF6VM2068PA	LF6VM2068PA	LF6VM2068QA	LF6VM2068RA						
Depth to Water (ft)			11.20	11.65	12.71	10.08	11.09	11.68						
VOCs (µg/L)														
1,1,1-trichloroethane	5*	1	U	U	U	NA	NA	NA						
1,1-dichloroethene	5*	1	U	U	U	NA	NA	NA						
1,2-dichloroethane	0.6	1	U	U	U	NA	NA	NA						
1,4-dichlorobenzene	3	0.5	U	U	U	NA	NA	NA						
acetone	50	10	U	U	1.21 F	NA	NA	NA						
benzene	1	0.1	U	U	U	NA	NA	NA						
carbon disulfide	1,000	0.5	U	U	U	NA	NA	NA						
chloroform	7	0.3	U	U	U	NA	NA	NA						
chloromethane	5*	1	U	U	U	NA	NA	NA						
cis-1,2-dichloroethene	5*	1	U	U	U	NA	NA	NA						
dichlorodifluoromethane	5*	1	U	U	U	NA	NA	NA						
hexachlorobutadiene	0.5*	0.6	U	U	U	NA	NA	NA						
methylene chloride	5*	1	U	U	U	NA	NA	NA						
m,p-xylene	5*	2	U	U	U	NA	NA	NA						
trichloroethene (TCE)	5*	1	U	U	U	NA	NA	NA						
toluene	5*	1	U	U	U	NA	NA	NA						
trans-1,2-dichloroethene	5*	1	U	U	U	NA	NA	NA						
trichlorofluoromethane	5*	1	U	U	U	NA	NA	NA						
vinyl chloride	2	1	U	U	U	NA	NA	NA						
xylenes, Total	—	1.5	U	U	U	NA	NA	NA						
Total VOCs (µg/L)			0	0	1.21	NA	NA	NA						
Leachate Indicators (mg/L)														
alkalinity, Total	—	10	180	170	160	190	180	110						
ammonia	2	0.2	U	U	U	0.056 F	0.11 B	U						
BOD5	—	2.4	U	U	U	U	U	U						
bromide	2	0.5	0.028 F	U	U	U	U	U						
COD	—	5	U	U	U	U	8.0 J	7.7 J						
chloride	250	1	42	68	54	96	120	38						
color	15	5	NA	U	NA	U	U	U						
cyanide, Total	200	0.02	NA	0.0082 F	U	NA	U	U						
Fluoride	1.5	1	NA	NA	NA	NA	NA	U						
hardness, Total	—	1	110	140	130	140	130	13						
nitrate	10	1	1.1	1.0 B	0.76 F	13.0	1.5	1.5						
TKN	1	0.2	U	0.56 B	0.16 FB	0.43 F	0.75 JB	0.34 J						
sulfate	250	1	7.4	8.9 B	9.0	U	9.9	6.0						
TDS	500	10	260	280	250	350	360	200						
TOC	—	1	U	0.55 FB	0.53 F	0.64 F	0.43 J	0.28 J						

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6VMW-21												
Date of Collection			6/28/2006	9/18/2006	12/12/2006	4/11/2007	6/20/2007	9/27/2007	12/10/2007	4/7/2008	6/17/2008	10/1/2008	12/9/2008	4/14/2009	6/29/2009
Sample ID No.			LF6VM2175AA	LF6VM2175BB	LF6VM2175CA	LF6VM2175DA	LF6VM2175EA	LF6VM2175FA	LF6VM2175GA	LF6VM2175HA	LF6VM2175IA	LF6VM2175JA	LF6VM2175KA	LF6VM2175LA	LF6VM2175MA
Depth to Water (ft)			43.30	43.41	42.40	41.29	41.35	42.68	42.78	41.51	41.54	43.71	42.74	42.05	42.15
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
acetone	50	10	1.5 F	U	U	U	U	U	U	U	U	U	U	U	4.77 F
benzene	1	0.1	U	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
chloroform	7	0.3	U	0.22 F	0.260 F	U	0.150 F	U	0.150 F	0.160 F	0.110 F	U	U	0.160 F	U
chloromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
dichlorodifluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
hexachlorobutadiene	0.5*	0.6	U	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	U	0.31 F	0.190 F	U	U	U	0.160 F	U	U	U	U	U	U
m,p-xylene	5*	2	U	U	U	U	U	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichlorofluoromethane	5*	1	U	0.11 F	U	U	U	U	U	U	U	U	0.110 F	0.180 F	0.210 F
vinyl chloride	2	1	U	U	U	U	U	U	U	U	U	U	U	U	U
xylenes, Total	–	1.5	U	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs (µg/L)			1.5	0.64	0.45	0	0.150	0	0.310	0.160	0.110	0	0.110	0.340	4.930
Leachate Indicators (mg/L)															
alkalinity, Total	–	10	111	96	92	72	82	88	82	100	100	90	92	120	110
ammonia	2	0.2	0.023 F	0.011 F	U	U	0.026 F	U	0.026 F	0.084	0.045 F	0.021 F	U	U	U
BOD5	–	2.4	U	U	U	U	U	U	U	U	U	U	U	U	U
bromide	2	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
COD	–	5	U	18 B	16	17	6.3 F	U	22 B	6.3 F	U	U	U	U	U
chloride	250	1	3.6	2.5	1.8	1.9	1.0	2.2	2.3	3.5	4.8	2.8	3.6	4.7	2.7
color	15	5	160	NA	NA	NA	U	NA	NA	U	10	NA	NA	U	NA
cyanide, Total	200	0.02	0.0076 F	NA	NA	NA	U	NA	NA	U	0.0065 F	NA	NA	NA	NA
Fluoride	1.5	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
hardness, Total	–	1	107	100	96	84	88	60	96	100	88	110	92	110	88
nitrate	10	1	0.75 F	0.87 F	0.77	0.71	0.82	0.85	0.80	0.81	0.72	0.80	0.8	0.9	1.2
TKN	1	0.2	0.5	0.075 F	0.071 F	U	U	U	U	U	U	U	U	U	U
sulfate	250	1	6	5	4.7	4.9	4.9	4.8	4.8	4.6	4.9	4.4	9.9	4.8	4.2
TDS	500	10	148	140	79	100	120	130	66	120	120	92	120	78	120
TOC	–	1	U	0.54 F	0.88 F	U	U	U	0.43 F	0.47 F	U	U	0.45 F	U	U

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6VMW-21																
Date of Collection			9/15/2009	3/22/2010	9/14/2010	6/6/2011	6/18/2012	6/17/2013											
Sample ID No.			LF6VM2175NA	LF6VM2175OA	LF6VM2175PA	LF6VM2175PA	LF6VM2175QA	LF6VM2175RA											
Depth to Water (ft)			43.25	43.72	44.67	42.25	43.03	43.65											
VOCs (µg/L)																			
1,1,1-trichloroethane	5*	1	U	U	U	NA	NA	NA											
1,1-dichloroethene	5*	1	U	U	U	NA	NA	NA											
1,2-dichloroethane	0.6	1	U	U	U	NA	NA	NA											
1,4-dichlorobenzene	3	0.5	U	U	U	NA	NA	NA											
acetone	50	10	U	U	1.56 F	NA	NA	NA											
benzene	1	0.1	U	U	U	NA	NA	NA											
carbon disulfide	1,000	0.5	U	U	U	NA	NA	NA											
chloroform	7	0.3	U	0.110 F	0.120 F	NA	NA	NA											
chloromethane	5*	1	U	U	U	NA	NA	NA											
cis-1,2-dichloroethene	5*	1	U	U	U	NA	NA	NA											
dichlorodifluoromethane	5*	1	U	U	U	NA	NA	NA											
hexachlorobutadiene	0.5*	0.6	U	U	U	NA	NA	NA											
methylene chloride	5*	1	U	U	U	NA	NA	NA											
m,p-xylene	5*	2	U	U	U	NA	NA	NA											
trichloroethene (TCE)	5*	1	U	U	U	NA	NA	NA											
toluene	5*	1	U	U	U	NA	NA	NA											
trans-1,2-dichloroethene	5*	1	0.140 F	U	U	NA	NA	NA											
trichlorofluoromethane	5*	1	U	0.140 F	0.140 F	NA	NA	NA											
vinyl chloride	2	1	U	U	U	NA	NA	NA											
xylenes, Total	--	1.5	U	U	U	NA	NA	NA											
Total VOCs (µg/L)			0.14	0.25	1.82	NA	NA	NA											
Leachate Indicators (mg/L)																			
alkalinity, Total	--	10	130	110	100	120	100	88											
ammonia	2	0.2	U	U	U	0.076 F	0.12 B	U											
BOD5	--	2.4	NA	U	U	U	U	U											
bromide	2	0.5	U	U	U	U	U	U											
COD	--	5	39	U	U	U	6.3 J	9.6 J											
chloride	250	1	3.5	2.9	2.3	3.4	3.0	6.0											
color	15	5	NA	U	NA	20	U	U											
cyanide, Total	200	0.02	NA	0.0080 F	U	NA	U	U											
Fluoride	1.5	1	NA	NA	NA	NA	NA	0.062 J											
hardness, Total	--	1	180	110	100	94	99	120											
nitrate	10	1	2.3	2.3	1.2	2.5	1.3	1.7											
TKN	1	0.2	0.17 F	0.44 B	0.19 FB	0.39 F	0.70 JB	0.45 J											
sulfate	250	1	4.3	4.3 B	4.6	4.4 F	3.0 J	3.9 J											
TDS	500	10	140	130 B	97	130	110	110											
TOC	--	1	0.86 F	U	U	0.44 F	0.48 J	0.98 J											

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6VMW-22												
Date of Collection			6/29/2006	9/19/2006	12/13/2006	4/13/2007	6/21/2007	9/28/2007	12/12/2007	4/8/2008	6/18/2008	10/1/2008	12/11/2008	4/16/2009	6/30/2009
Sample ID No.			LF6VM2235AA	LF6VM2235BB	LF6VM2235CA	LF6VM2235DA	LF6VM2235EA	LF6VM2235FA	LF6VM2235GA	LF6VM2235HA	LF6VM2235IA	LF6VM2235JA	LF6VM2235KA	LF6VM2235LA	LF6VM2235MA
Depth to Water (ft)			19.27	14.68	13.54	12.71	13.37	14.41	13.89	12.84	13.56	14.28	13.74	13.36	13.76
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	U	U	0.100 F	U	U	U	0.190 F	U	U	U	U	U
acetone	50	10	U	U	U	U	U	U	U	U	U	U	U	U	5.26 F
benzene	1	0.1	U	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	1,000	0.5	U	U	U	U	U	U	0.120 F*	U	U	U	U	U	U
chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U	U	U	U
chloromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
dichlorodifluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
hexachlorobutadiene	0.5*	0.6	U	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	U	U	U	U	0.120 F	U	U	U	U	U	U	U	U
m,p-xylene	5*	2	U	U	U	U	U	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
vinyl chloride	2	1	U	U	U	U	U	U	U	U	U	U	U	U	U
xylenes, Total	--	1.5	U	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs (µg/L)			0	0	0	0.100	0.120	0	0.120	0.190	0	0	0	0	5.26
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	211	170	130	100	140	190	190	140	170*	210	210	160	190
ammonia	2	0.2	U	U	U	U	0.015 F	0.017 F*	U	U	0.046 F*	0.029 F	U	0.031 F*	0.017 F
BOD5	--	2.4	U	U	U	U	U	U	U	U	U	U	U	U	U
bromide	2	0.5	U	0.021 F	U	U	0.025 F*	0.040 F	0.044 F*	0.029 F	0.042 F	0.052 F	U	0.043 F	0.073 F*
COD	--	5	U	U	9.4 F	13 J	13 B	U	13 B*	6.3 F*	13 J*	3.7 F	6.0 F*	6.0 F*	U
chloride	250	1	18.4	20	9.1	4.6	27	50	38	8.8	30	45	28	10	23
color	15	5	20 J	NA	NA	NA	U	NA	NA	U	U	NA	NA	U	NA
cyanide, Total	200	0.02	U	NA	NA	NA	U	NA	NA	0.0047 F	U	NA	NA	NA	NA
Fluoride	1.5	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
hardness, Total	--	1	197	200	150	110	190*	270	260	140	210*	280	240*	190	240
nitrate	10	1	0.9 F	0.89 F	0.42	0.29	0.90*	1.2	1.2	0.57 B*	1.1	1.5	1.4	0.99 *	1.3
TKN	1	0.2	U	U	U	U	U	0.078 F	U	U	U	U	U	U	0.12 F
sulfate	250	1	18.4	20	16	13	21*	27	27	16	21	26	24	20	24*
TDS	500	10	260	240	180	110	270	260	350*	160*	220	300	290*	210	350*
TOC	--	1	0.64 F	0.72 F	0.69 F	U	0.77 F*	1.2	0.90 F	1.5 B	0.54 F	0.97 F	0.65 F	0.39 F	0.75 F

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6VMW-22											
Date of Collection			9/16/2009	3/23/2010	9/15/2010	6/7/2011	6/18/2012	6/18/2013						
Sample ID No.			LF6VM2235NA	LF6VM2235OA	LF6VM2235PA	LF6VM2235PA	LF6VM2235QA	LF6VM2235RA						
Depth to Water (ft)			14.61	14.15	15.47	13.36	14.15	14.11						
VOCs (µg/L)														
1,1,1-trichloroethane	5*	1	U	U	U	NA	NA	NA						
1,1-dichloroethene	5*	1	U	U	U	NA	NA	NA						
1,2-dichloroethane	0.6	1	U	U	U	NA	NA	NA						
1,4-dichlorobenzene	3	0.5	U	U	U	NA	NA	NA						
acetone	50	10	U	1.17 F	1.76 FB*	NA	NA	NA						
benzene	1	0.1	U	U	U	NA	NA	NA						
carbon disulfide	1,000	0.5	U	U	U	NA	NA	NA						
chloroform	7	0.3	U	U	U	NA	NA	NA						
chloromethane	5*	1	U	U	U	NA	NA	NA						
cis-1,2-dichloroethene	5*	1	U	U	U	NA	NA	NA						
dichlorodifluoromethane	5*	1	U	U	U	NA	NA	NA						
hexachlorobutadiene	0.5*	0.6	U	U	U	NA	NA	NA						
methylene chloride	5*	1	U	U	U	NA	NA	NA						
m,p-xylene	5*	2	U	U	U	NA	NA	NA						
trichloroethene (TCE)	5*	1	U	U	U	NA	NA	NA						
toluene	5*	1	U	U	U	NA	NA	NA						
trans-1,2-dichloroethene	5*	1	U	U	U	NA	NA	NA						
trichlorofluoromethane	5*	1	U	U	U	NA	NA	NA						
vinyl chloride	2	1	U	U	U	NA	NA	NA						
xylenes, Total	--	1.5	U	U	U	NA	NA	NA						
Total VOCs (µg/L)			0	1.17	1.76	NA	NA	NA						
Leachate Indicators (mg/L)														
alkalinity, Total	--	10	230	220	250	140	180	230						
ammonia	2	0.2	U	U	U	0.12	0.19 B*	U						
BOD5	--	2.4	U	U	U	1.4 F*	U	U						
bromide	2	0.5	0.051 F	0.036 F	UM	U	U	0.12 J						
COD	--	5	9.0 F	59 J	5.6 F	4.3 F*	9.7 J	13 J						
chloride	250	1	38	14	20*	1.6 F*	21	5.5						
color	15	5	NA	U	NA	U	U	U						
cyanide, Total	200	0.02	NA	0	U	NA	U	U						
Fluoride	1.5	1	NA	NA	NA	NA	NA	U						
hardness, Total	--	1	360*	0.010 F	300	150 *	310 J	240						
nitrate	10	1	1.7	1.2	1.9	0.85*	2.2	2.8						
TKN	1	0.2	U	0.38 JB*	0.24 B*	0.39 F	0.71 J B*	0.43 J						
sulfate	250	1	28	23	26	14	18	15						
TDS	500	10	340	270	340*	170 *	230	270						
TOC	--	1	0.89 F	0.81 F	1.1 B	0.75 F	0.63 J	1.1						

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6VMW-23												
Date of Collection			6/29/2006	9/18/2006	12/12/2006	4/17/2007	6/21/2007	9/28/2007	12/11/2007	4/3/2008	6/18/2008	10/1/2008	12/11/2008	4/16/2009	6/30/2009
Sample ID No.			LF6VM2348AA	LF6VM2348BB	LF6VM2348CA	LF6VM2348DA	LF6VM2348EA	LF6VM2348FA	LF6VM2348GA	LF6VM2348HA	LF6VM2348IA	LF6VM2348JA	LF6VM2348KA	LF6VM2348LA	LF6VM2348MA
Depth to Water (ft)			16.16	16.60	15.58	14.44	15.33	16.38	15.96	14.69	15.51	16.21	15.70	15.21	16.69
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
acetone	50	10	U	U	U	U	U	U	U	U	U	U	U	U	1.10 F
benzene	1	0.1	U	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U	U	UJ	U	U	U
chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U	U	U	U
chloromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
dichlorodifluoromethane	5*	1	U	U	UJ	U	U	U	U	U	U	U	U	U	U
hexachlorobutadiene	0.5*	0.6	U	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	U	0.14 F	U	U	U	U	0.110 F	U	U	U	U	U	U
m,p-xylene	5*	2	U	U	U	U	U	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
vinyl chloride	2	1	U	U	U	U	U	U	U	U	U	U	U	U	U
xylenes, Total	--	1.5	U	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs (µg/L)			0	0.14	0	0	0	0	0.110	0	0	0	0	0	1.10
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	205	180	380	160	160	180	190	210	200	180	200	220	190
ammonia	2	0.2	U	U	U	U	0.018 F	U	0.05	U	0.057 B	0.029 F	U	U	0.024 F
BOD5	--	2.4	U	U	U	U	U	U	U	U	U	U	U	U	U
bromide	2	0.5	U	0.029 F	U	0.11	0.080 F	0.11 F	0.12 F	0.023 F	0.024 F	0.035 F	UJ	0.020 F	U
COD	--	5	11.6 B	18 B	5.3 F	19 B	11 B	U	8.5 F	U	4.1 F	U	6.0 F	6.0 F	U
chloride	250	1	2.5	2.8	3.0	5.3	6.3	5.9	5.3	2.0	1.3	1.2	3.3	0.89 F	0.67 F
color	15	5	60	NA	NA	NA	U	NA	NA	U	U	NA	NA	U	NA
cyanide, Total	200	0.02	U	NA	NA	NA	NA	NA	NA	0.015 F	U	NA	NA	NA	NA
Fluoride	1.5	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
hardness, Total	--	1	237	230	200	260	300	310	330	260	220	260	250	250	220
nitrate	10	1	0.32 F	0.68 F	0.53	1.3	1.9	1.6	1.7	0.96	0.61	0.6	0.81	0.61	0.70
TKN	1	0.2	0.17 F	U	U	0.057 F	U	0.085 F	U	U	U	U	U	U	U
sulfate	250	1	40.7	35	35	85	130	120	110	54	30	38	51	39	22
TDS	500	10	278	250	210	330	410	270	390	290	260	240	200	250	260
TOC	--	1	0.8 F	1.1	0.89 F	0.52 F	1.3 B	0.97 F	0.81 F	1.3	0.48 F	0.59 F	0.44 F	0.38 F	0.50 F

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6VMW-23											
Date of Collection			9/15/2009	3/23/2010	9/15/2010	6/6/2011	6/20/2012	6/18/2013						
Sample ID No.			LF6VM2348NA	LF6VM2348OA	LF6VM2348PA	LF6VM2348PA	LF6VM2348QA	LF6VM2348RA						
Depth to Water (ft)			16.51	16.07	17.40	15.22	16.07	16.05						
VOCs (µg/L)														
1,1,1-trichloroethane	5*	1	U	U	U	NA	U	NA						
1,1-dichloroethene	5*	1	U	U	U	NA	U	NA						
1,2-dichloroethane	0.6	1	U	U	U	NA	U	NA						
1,4-dichlorobenzene	3	0.5	U	U	U	NA	U	NA						
acetone	50	10	U	1.42 F	2.07 FB	NA	U	NA						
benzene	1	0.1	U	U	U	NA	U	NA						
carbon disulfide	1,000	0.5	U	U	U	NA	U	NA						
chloroform	7	0.3	U	U	U	NA	U	NA						
chloromethane	5*	1	U	U	U	NA	U	NA						
cis-1,2-dichloroethene	5*	1	U	U	U	NA	U	NA						
dichlorodifluoromethane	5*	1	U	U	U	NA	U	NA						
hexachlorobutadiene	0.5*	0.6	U	U	U	NA	U	NA						
methylene chloride	5*	1	U	U	U	NA	U	NA						
m,p-xylene	5*	2	U	U	U	NA	U	NA						
trichloroethene (TCE)	5*	1	U	U	U	NA	U	NA						
toluene	5*	1	U	U	U	NA	U	NA						
trans-1,2-dichloroethene	5*	1	U	U	U	NA	U	NA						
trichlorofluoromethane	5*	1	U	U	U	NA	U	NA						
vinyl chloride	2	1	U	U	U	NA	U	NA						
xylenes, Total	--	1.5	U	U	U	NA	U	NA						
Total VOCs (µg/L)			0	1.42	2.07	NA	0	NA						
Leachate Indicators (mg/L)														
alkalinity, Total	--	10	190	220	210	240	290	260						
ammonia	2	0.2	0.048 F	U	U	0.060 F	0.092 JB	U						
BOD5	--	2.4	U	U	U	U	U	U						
bromide	2	0.5	0.025 F	0.021 F	U	U	U	U						
COD	--	5	U	U	U	U	U	12 J						
chloride	250	1	0.79 F	0.55 F	0.82 F	0.72	1.6 J	1.1 J						
color	15	5	NA	U	NA	U	U	U						
cyanide, Total	200	0.02	NA	0.0091 F	U	NA	U	U						
Fluoride	1.5	1	NA	NA	NA	NA	0.093 J	U						
hardness, Total	--	1	210	260	230	250	310	300						
nitrate	10	1	0.74	0.6	0.48 F	0.9	5.7	7.8						
TKN	1	0.2	U	0.20 B	0.16 FB	0.49 F	0.56 JB	0.42 J						
sulfate	250	1	21	29	20	23	18	12						
TDS	500	10	240	240	250	260	320	310						
TOC	--	1	0.67 F	0.66 F	2.2 B	0.92 F	0.97 J	1.4						

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Standards	Reporting Limit	LF6VMW-24												
Date of Collection			6/29/2006	9/19/2006	12/12/2006	4/17/2007	6/21/2007	9/28/2007	12/11/2007	4/7/2008	6/18/2008	10/1/2008	12/11/2008	4/16/2009	7/1/2009
Sample ID No.			LF6VM2448AA	LF6VM2449BB	LF6VM2449CA	LF6VM2449DA	LF6VM2449EA	LF6VM2449FA	LF6VM2449GA	LF6VM2449HA	LF6VM2449IA	LF6VM2449JA	LF6VM2449KA	LF6VM2449LA	LF6VM2449MA
Depth to Water (ft)			12.32	12.74	11.70	10.65	11.51	12.52	12.12	10.92	11.71	12.39	11.85	4.42	11.90
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
acetone	50	10	U	U	U	U	U	U	U	U	U	U	U	U	5.40 F♦
benzene	1	0.1	U	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U	U	U	UJ	U	U
chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U	U	U	U
chloromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
dichlorodifluoromethane	5*	1	U	U	UJ	U	U	U	U	U	U	U	U	U	U
hexachlorobutadiene	0.5*	0.6	U	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	U	U	0.320 F	U	U	U	0.120 F	U	U	U	U	U	U
m,p-xylene	5*	2	U	U	U	U	U	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	0.210 F♦
trans-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
vinyl chloride	2	1	U	U	U	U	U	U	U	U	U	U	U	U	U
xylenes, Total	--	1.5	U	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs (µg/L)			0	0	0.32	0	0	0	0.120	0	0	0	0	0	5.61
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	138	120	160	120	120	130	130	130	130	120	120	130	120
ammonia	2	0.2	0.087	0.073 B	0.054	0.065	U	0.074	0.11	0.11	0.10 B	0.11 B	0.062	0.11 B	0.10 ♦
BOD5	--	2.4	U	2.7	U	U	U	U	2.5	U	2.4	2.8	2.7	U	2.2
bromide	2	0.5	0.77	0.63	0.50	0.50	0.47	1.2	1.4	0.53	0.50	0.56	0.54 J	0.58	0.48 F♦
COD	--	5	12.3 B	5 F	7.3 F	15 B	8.5 F	4.1 F	8.5 F	6.3 F	U	8.2 F	8.2 F	8.2 F	9.0 F
chloride	250	1	199	110	110	98	110	130	130	130	130	150	150	170	170 M
color	15	5	30	NA	NA	NA	U	NA	NA	U	U	NA	U	NA	NA
cyanide, Total	200	0.02	U	NA	NA	NA	U	NA	NA	U	U	NA	NA	NA	NA
Fluoride	1.5	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
hardness, Total	--	1	159	180	150	170	180	180	200	200	210	220	220	230	250
nitrate	10	1	U	U	U	U	0.040 F	U	U	U	U	U	U	U	U
TKN	1	0.2	0.061 F	0.077 F	0.18 F	U	U	0.082 F	0	U	0.13 F	U	U	U	0.16 F
sulfate	250	1	24.6	29	28	28	27	24	24	24	25	24	25	23	21
TDS	500	10	350	350	350	350	390	300	370	370	400	390	380	410	530♦
TOC	--	1	U	U	0.45 F	0.81 F	0.66 F	0.51 F	0.48 F	0.93 F	0.42 F	U	U	U	U

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6VMW-24											
Date of Collection			9/15/2009	3/23/2010	9/23/2010	6/9/2011	6/19/2012	6/18/2013						
Sample ID No.			LF6VM2449NA	LF6VM2449OA	LF6VM2449PA	LF6VM2449PA	LF6VM2449QA	LF6VM2449RA						
Depth to Water (ft)			12.68	12.19	13.80	11.50	12.22	12.20						
VOCs (µg/L)														
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U						
1,1-dichloroethene	5*	1	U	U	U	0.23 F	U	U						
1,2-dichloroethane	0.6	1	U	U	U	U	U	U						
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U						
acetone	50	10	U	1.22 F	2.21 FB	U	U	U						
benzene	1	0.1	U	U	U	U	U	U						
carbon disulfide	1,000	0.5	U	U	U	U	U	U						
chloroform	7	0.3	U	U	U	U	U	U						
chloromethane	5*	1	U	U	U	U	U	U						
cis-1,2-dichloroethene	5*	1	U	U	U	U	0.49 J	0.73 J						
dichlorodifluoromethane	5*	1	U	U	U	U	U	U						
hexachlorobutadiene	0.5*	0.6	U	U	U	U	U	U						
methylene chloride	5*	1	U	U	U	0.50 F	U	U						
m,p-xylene	5*	2	U	U	U	U	U	U						
trichloroethene (TCE)	5*	1	U	U	U	U	U	U						
toluene	5*	1	U	U	U	U	U	U						
trans-1,2-dichloroethene	5*	1	U	U	U	U	U	U						
trichlorofluoromethane	5*	1	U	U	U	U	U	U						
vinyl chloride	2	1	U	U	U	U	U	U						
xylenes, Total	--	1.5	U	U	U	U	U	U						
Total VOCs (µg/L)			0	1.22	2.21	0.73	0.49	0.73						
Leachate Indicators (mg/L)														
alkalinity, Total	--	10	120	130	130	120	99	120						
ammonia	2	0.2	0.093	0.065	0.073	0.19	0.12 B	0.11						
BOD5	--	2.4	U	8.5	3.8 J	9.4	U	1.9 J						
bromide	2	0.5	0.58	0.7	U	0.67	0.63	0.44 J						
COD	--	5	6.7 F	U	5.6 FB	6.6 F	4.3 J	14 J						
chloride	250	1	180	210	240	250	390	360						
color	15	5	NA	U	NA	U	U	U						
cyanide, Total	200	0.02	NA	0.0090 F	U	NA	U	U						
Fluoride	1.5	1	NA	NA	NA	NA	NA	0.067 J						
hardness, Total	--	1	250	280	300	340	440	420						
nitrate	10	1	U	U	U	U	U	U						
TKN	1	0.2	0.95	0.54 B	0.24 B	0.45 F	0.90 JB	0.49 J						
sulfate	250	1	24	18	16	22	45	23						
TDS	500	10	530	510	620	710	800	790						
TOC	--	1	0.67 F	U	0.85 F	0.51 F	0.56 J	0.85 J						

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6VMW-25												
Date of Collection			6/29/2006	9/19/2006	12/12/2006	4/17/2007	6/25/2007	10/1/2007	12/11/2007	4/3/2008	6/17/2008	10/2/2008	12/11/2008	4/16/2009	6/30/2009
Sample ID No.			LF6VM2544AA	LF6VM2544BB	LF6VM2544CA	LF6VM2544DA	LF6VM2544EA	LF6VM2544FA	LF6VM2544GA	LF6VM2544HA	LF6VM2544IA	LF6VM2544JA	LF6VM2544KA	LF6VM2544LA	LF6VM2544MA
Depth to Water (ft)			3.13	3.72	2.86	1.83	2.85	3.56	3.10	2.10	2.99	3.37	2.87	2.62	3.08
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
acetone	50	10	U	U	U	U	U	U	U	U	U	U	U	U	U
benzene	1	0.1	U	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	1,000	0.5	U	U	U	U	U	U	0.140 F	U	U	U	UJ	U	U
chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U	U	U	U
chloromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
dichlorodifluoromethane	5*	1	U	U	UJ	U	U	U	U	U	U	U	U	U	U
hexachlorobutadiene	0.5*	0.6	U	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	U	U	0.290 F	U	U	U	0.150 F	U	U	U	U	U	U
m,p-xylene	5*	2	U	U	U	U	U	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
vinyl chloride	2	1	U	U	U	U	U	U	U	U	U	U	U	U	U
xylenes, Total	--	1.5	U	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs (µg/L)			0	0	0.29	0	0	0	0.190	0	0	0	0	0	0
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	478	390	120	400	380	390	380	380	370	320	340	370	360
ammonia	2	0.2	0.077	0.94	1.0	1.3	1.4	1.4	1.4	1.5	1.6	1.5	1.6	1.5	1.5
BOD5	--	2.4	U	U	U	U	U	U	U	U	U	U	U	U	U
bromide	2	0.5	U	0.024 F	U	0.050 F	0.024 F	0.029 F	0.040 F	0.024 F	.062 F	0.13	UJ	0.14 F	0.11
COD	--	5	U	7.1 F	16	19 B	22 B	13	15 B	13	8.5 F	15	15	10	16
chloride	250	1	11.5	15	14	14	17	19	18	13	15	28	20	12	13
color	15	5	25	NA	NA	NA	U	NA	NA	U	U	NA	NA	U	NA
cyanide, Total	200	0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoride	1.5	1	U	U	U	U	U	U	U	U	U	U	U	U	U
hardness, Total	--	1	720	460	28	420	410	12	460	400	440	420	480	440	500
nitrate	10	1	U	0.017 F	0.089 F	U	U	0.038 F	0.032 F	0.025 F	0.018 F	0.041 F	U	0.086 F	0.021 F
TKN	1	0.2	1.2	1.1	1.1	1.2	1.4	1.3	1.4	1.5	1.4	1.6	1.5	2.1	1.7
sulfate	250	1	36.3	36	33	33	34	36	36	38	47	120	120	110	120 J
TDS	500	10	498	470	490	510	500	510	500	450	430	560	470	560	670
TOC	--	1	3.9	3.5	3.7	3.3	3.7	3.4	3.5	3.4	3.0	3.6	3.0	2.8	2.9

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6VMW-25											
Date of Collection			9/16/2009	3/23/2010	9/15/2010	6/8/2011	6/19/2012	6/19/2013						
Sample ID No.			LF6VM2544NA	LF6VM2544OA	LF6VM2544PA	LF6VM2544PA	LF6VM2544QA	LF6VM2544RA						
Depth to Water (ft)			3.84	3.09	4.48	2.69	3.29	2.97						
VOCs (µg/L)														
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U						
1,1-dichloroethene	5*	1	U	U	U	U	U	U						
1,2-dichloroethane	0.6	1	U	U	U	U	U	U						
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U						
acetone	50	10	U	U	1.06 FB	U	U	3.5 JQ						
benzene	1	0.1	U	U	U	U	U	U						
carbon disulfide	1,000	0.5	U	U	U	U	U	U						
chloroform	7	0.3	U	U	U	U	U	U						
chloromethane	5*	1	U	U	U	U	U	U						
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U						
dichlorodifluoromethane	5*	1	U	U	U	U	U	U						
hexachlorobutadiene	0.5*	0.6	U	U	U	U	U	U						
methylene chloride	5*	1	U	U	U	U	U	U						
m,p-xylene	5*	2	U	U	U	U	U	U						
trichloroethene (TCE)	5*	1	U	U	U	U	U	U						
toluene	5*	1	U	U	U	U	U	U						
trans-1,2-dichloroethene	5*	1	U	U	U	U	U	U						
trichlorofluoromethane	5*	1	U	U	U	U	U	U						
vinyl chloride	2	1	U	U	U	U	U	U						
xylenes, Total	--	1.5	U	U	U	U	U	U						
Total VOCs (µg/L)			0	0	1.06	0	0	3.5						
Leachate Indicators (mg/L)														
alkalinity, Total	--	10	350	390	330	360	340	350						
ammonia	2	0.2	1.5	1.3	1.0	0.78	0.67	0.69 J						
BOD5	--	2.4	U	U	U	2.2 F	U	U						
bromide	2	0.5	0.14 F	U	U	U	U	U						
COD	--	5	14	15	U	8.7 F	7.3 J	15 J						
chloride	250	1	23	19	21	19	13	11 J						
color	15	5	NA	U	NA	U	U	U						
cyanide, Total	200	0.02	NA	0.0084 F	U	U	U	U						
Fluoride	1.5	1	U	U	U	U	U	U						
hardness, Total	--	1	530	520	440	370	380	370						
nitrate	10	1	0.043 F	0.052 F	U	U	0.045 J	1.6 J						
TKN	1	0.2	1.4	1.5	1.2	0.96 F	1.4 B	0.86 J						
sulfate	250	1	150	160	110	70	50	28						
TDS	500	10	640	590	500	480	430	420						
TOC	--	1	3.1	2.9	3.4 B	2.6	2.4	2.4						

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6VMW-26												
Date of Collection			7/6/2006	9/19/2006	12/13/2006	4/17/2007	6/25/2007	10/1/2007	12/12/2007	4/7/2008	6/18/2008	9/29/2008	12/11/2008	4/16/2009	7/1/2009
Sample ID No.			LF6VM02650AA	LF6VM02650BB	LF6VM2650CA	LF6VM2650DA	LF6VM2650EA	LF6VM2650FA	LF6VM2650GA	LF6VM2650HA	LF6VM2650IA	LF6VM2650JA	LF6VM2650KA	LF6VM2650LA	LF6VM2650MA
Depth to Water (ft)			5.35	5.72	4.65	3.85	4.87	5.63	4.91	4.13	4.91	5.39	4.85	4.50	4.92
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	UM	U	U	U	U	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1	UM	U	U	U	U	U	U	U	U	U	U	U	U
1,2,3-trichlorobenzene	5	1	UM	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	UM	U	U	U	U	U	U	U	U	U	U	U	U
acetone	50	10	U	U	U	U	U	U	U	U	U	U	U	U	U
benzene	1	0.1	UM	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U	U	U	U	U	0.600 F
chloroform	7	0.3	UM	U	U	U	U	U	U	U	U	U	U	U	U
chloromethane	5*	1	UM	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1	99 M	75.2	106	90.5 J	102	91.8	108*	115	92.8	78.0	93.9	87.4	105
dichlorodifluoromethane	5*	1	UM	U	U	U	U	U	U	U	U	U	U	U	U
hexachlorobutadiene	0.5*	0.6	UM	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	UM	0.12 F	U	U	1.20 F	0.550 F*	U	U	U	U	U	U	U
m,p-xylene	5*	2	UM	U	U	U	U	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1	UM	U	U	1.07	U	U	U	U	U	U	U	U	U
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-dichloroethene	5*	1	UM	U	U	U	U	U	U	U	U	U	U	0.800 F	U
trichlorofluoromethane	5*	1	UM	U	U	U	U	U	U	U	U	U	U	U	U
vinyl chloride	2	1	0.72 M	0.63	U	0.610 F	U	U	U	U	U	U	U	U	U
xylenes, Total	—	1.5	UM	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs (µg/L)			99.72	75.95	106	92.18	103.20	91.8	108.55	115	92.8	78.0	93.90	88.20	105.60
Leachate Indicators (mg/L)															
alkalinity, Total	—	10	306	260	240	240	240	240	230	240	250	250	230	220	220
ammonia	2	0.2	U	U	U	U	0.028 F	0.012 F	U	0.043 F*	0.21*	U	U	0.030 F	0.088
BOD5	—	2.4	U	U	2.1	U	U	U	U	U	U	U	U	U	U
bromide	2	0.5	0.26 F	0.07 F	U	0.080 F	0.055 F	0.059 F	0.090 F*	0.19	0.22	0.12 F	U	0.076 F	0.063 F
COD	—	5	UM	U	9.4 F	17 BJ	17 B*	U	11 B*	8.5 F	13*	3.7 F	3.7 F	6.0 F	6.7 F
chloride	250	1	50	45	51	48	52	61	62	130	120	88	200	93	85
color	15	5	70	NA	NA	NA	NA	NA	NA	U	10	NA	NA	U	NA
cyanide, Total	200	0.02	UM	NA	NA	NA	U	NA	NA	0.0072 F	U	NA	NA	NA	NA
Fluoride	1.5	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
hardness, Total	—	1	370 M	330	320	320	330	320	350*	420	420	360	360	340	350
nitrate	10	1	U	U	U	U	U	U	U	U	U	0.031 F	U	U	U
TKN	1	0.2	UM	U	U	U	U	U	U	U	0.21 J	U	U	U	0.11 F
sulfate	250	1	41	42	42	45	53	54	55	53	48	49	46	58	54
TDS	500	10	419	350	380	390	420*	450	460	520	580*	530	460	440	520
TOC	—	1	0.84 F	0.61 F	0.74 F	0.84 F	1.1	1.1	1.1*	1.4	0.60 F	0.70 F	U	U	0.41 F

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6VMW-26									
Date of Collection			9/16/2009	3/24/2010	9/16/2010	6/8/2011	6/20/2012	6/18/2013				
Sample ID No.			LF6VM2650NA	LF6VM2650OA	LF6VM2650PA	LF6VM2650PA	LF6VM2650QA	LF6VM2650RA				
Depth to Water (ft)			5.57	5.00	6.22	4.47	5.12	4.94				
VOCs (µg/L)												
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U				
1,1-dichloroethene	5*	1	U	U	U	U	U	U				
1,2,3-trichlorobenzene	5	1	U	U	U	U	U	0.22 J ♦				
1,2-dichloroethane	0.6	1	U	U	U	U	U	U				
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U				
acetone	50	10	U	U	5.35	U	U	U				
benzene	1	0.1	U	U	U	U	U	U				
carbon disulfide	1,000	0.5	U	U	U	U	U	U				
chloroform	7	0.3	U	U	U	U	U	U				
chloromethane	5*	1	U	U	U	U	U	U				
cis-1,2-dichloroethene	5*	1	100	80. 4♦	82	100 F	100	93 H				
dichlorodifluoromethane	5*	1	U	U	U	U	U	U				
hexachlorobutadiene	0.5*	0.6	U	U	U	U	U	U				
methylene chloride	5*	1	U	U	U	U	U	U				
m,p-xylene	5*	2	U	U	U	U	U	U				
trichloroethene (TCE)	5*	1	U	U	U	U	U	U				
toluene	5*	1	U	U	U	U	U	U				
trans-1,2-dichloroethene	5*	1	0.550 F	U	U	0.35 F	0.25 J	U				
trichlorofluoromethane	5*	1	U	U	U	U	U	U				
vinyl chloride	2	1	U	U	U	U	U	0.16 J ♦				
xylenes, Total	—	1.5	U	U	U	U	U	U				
Total VOCs (µg/L)			100.55	80.4	87.35	100.35	100.25	93.38				
Leachate Indicators (mg/L)												
alkalinity, Total	—	10	210	200	220	230	230	240				
ammonia	2	0.2	U	U	U	0.098	0.48 J♦	0.036 J				
BOD5	—	2.4	U	U	24 J	2.5	U	U				
bromide	2	0.5	0.083 F	U	U	0.11	0.17 J	0.16 J				
COD	—	5	6.7 F	U	23	U	U	12 J ♦				
chloride	250	1	100	140 ♦	140	150 ♦	180	200				
color	15	5	NA	U	NA	U	10 ♦	U				
cyanide, Total	200	0.02	NA	NA	U	U	U	U				
Fluoride	1.5	1	NA	NA	NA	NA	U	U				
hardness, Total	—	1	360	370	400	410 ♦	410	440				
nitrate	10	1	0.044 F	0.060 F	U	U	0.042 J♦	U				
TKN	1	0.2	U	0.28 B ♦	U	0.31	0.67 JB	0.58 J				
sulfate	250	1	53	49	51	50	47	43				
TDS	500	10	430	490♦	440	490	510	590				
TOC	—	1	0.60 F	0.66 F	1.0	0.81 ♦	0.73 J♦	1.0 ♦				

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	TMCMW-9												
Date of Collection			6/29/2006	9/19/2006	12/12/2006	4/17/2007	6/25/2007	10/1/2007	12/11/2007	4/3/2008	6/17/2008	10/2/2008	12/10/2008	4/16/2009	6/30/2009
Sample ID No.			TMC0919AA	TMC0919BB	TMC0919CA	TMC0919DA	TMC0919EA	TMC0919FA	TMC0919GA	TMC0919HA	TMC0919IA	TMC0919JA	TMC0919KA	TMC0919LA	TMC0919MA
Depth to Water (ft)			2.62	3.20	2.82	1.23	2.36	3.02	2.62	1.50	3.32	3.15	2.29	2.06	2.48
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,3-trichlorobenzene	5	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
acetone	50	10	U	U	U	U	U	U	1.20 F	U	U	U	U	U	U
benzene	1	0.1	U	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	1,000	0.5	U	U	U	U	U	U	U	U	U	U	U	U	U
chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U	U	U	U
chloromethane	5*	1	U	U	U	U	U	U	U	U	U	U	0.480 F	U	U
cis-1,2-dichloroethene	5*	1	U	0.12 F	U	U	U	U	U	U	U	U	U	U	U
dichlorodifluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
hexachlorobutadiene	0.5*	0.6	U	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	U	U	0.120 F	U	U	U	0.190 F	U	U	U	U	U	U
m,p-xylene	5*	2	U	U	U	U	U	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
vinyl chloride	2	1	U	U	U	U	U	U	U	U	U	U	U	U	U
xylenes, Total	—	1.5	U	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs (µg/L)			0	0.12	0.12	0	0	0	1.390	0	0	0	0.480	0	0
Leachate Indicators (mg/L)															
alkalinity, Total	—	10	596	500	480	500	500	500	480	500	520	500	480	440	490
ammonia	2	0.2	0.8	1.5	U	0.42	1.3	1.3	0.028 F	0.28	1.4	1.3	U	0.041 F	1.3
BOD5	—	2.4	U	U	U	U	U	U	U	U	U	U	U	U	U
bromide	2	0.5	U	U	U	0.11 F	U	0.077 F	0.098 F	0.051 F	0.1	0.11 F	U	U	0.083 F
COD	—	5	20.2 B	5 F	11	17 B	33	13	17 B	8.5 F	8.5 F	15	15 B	15	11
chloride	250	1	86.4	89	90	88	93	87	87	87	82	80	79	78	70
color	15	5	10	NA	NA	NA	U	NA	NA	U	U	NA	NA	U	NA
cyanide, Total	200	0.02	U	NA	NA	NA	0.0089 F	NA	NA	0.0061 F	NA	NA	NA	NA	NA
Fluoride	1.5	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
hardness, Total	—	1	546	610	530	560	570	570	530	540	640	560	470	470	540
nitrate	10	1	0.05 F	0.065 F	1.4	1.2	0.17 F	0.13 F	1.5	1.1	U	0.088 F	1.4	1.7	0.12 F
TKN	1	0.2	1.4	1.5	0.13 F	0.41	1.4	1.3	0.12 F	0.4	1.2	1.3	0.069 F	0.11 F	1.5
sulfate	250	1	87.4	93	92	85	90	85	84	87	82	77	74	74	66
TDS	500	10	772	810	750	810	730	830	730	740	810	730	700	710	830
TOC	—	1	3.5	3.3	3.4	3.3	4.0	3.4	3.2	3.3	3.2	3.3	3.7 B	2.9	3.5

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	TMCMW-9											
Date of Collection			9/16/2009	3/23/2010	9/15/2010	6/8/2011	6/19/2012	6/19/2013						
Sample ID No.			TMCM0919NA	TMCM0919OA	TMCM0919PA	TMCM0919PA	TMCM0919QA	TMCM0919RA						
Depth to Water (ft)			3.26	2.45	3.88	2.18	2.67	2.49						
VOCs (µg/L)														
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U						
1,1-dichloroethene	5*	1	U	U	U	U	U	U						
1,2,3-trichlorobenzene	5	1	U	U	U	U	U	U						
1,2-dichloroethane	0.6	1	U	U	U	U	U	U						
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U						
acetone	50	10	U	U	1.53 FB	U	U	U						
benzene	1	0.1	U	U	U	U	U	U						
carbon disulfide	1,000	0.5	U	U	U	U	U	U						
chloroform	7	0.3	U	U	U	U	U	U						
chloromethane	5*	1	U	U	U	U	U	U						
cis-1,2-dichloroethene	5*	1	0.110 F	U	0.120 F	U	U	U						
dichlorodifluoromethane	5*	1	U	U	U	U	U	U						
hexachlorobutadiene	0.5*	0.6	U	U	U	U	U	U						
methylene chloride	5*	1	U	U	U	U	U	U						
m,p-xylene	5*	2	U	U	U	U	U	U						
trichloroethene (TCE)	5*	1	U	U	U	U	U	U						
toluene	5*	1	U	U	U	U	U	U						
trans-1,2-dichloroethene	5*	1	U	U	U	U	U	U						
trichlorofluoromethane	5*	1	U	U	U	U	U	U						
vinyl chloride	2	1	U	U	U	U	U	U						
xylenes, Total	—	1.5	U	U	U	U	U	U						
Total VOCs (µg/L)			0.11	0	1.65	0	0	0						
Leachate Indicators (mg/L)														
alkalinity, Total	—	10	480	460	500	470	470	460						
ammonia	2	0.2	1.3	U	1.4	0.75	0.71	0.79						
BOD5	—	2.4	U	U	U	U	U	U						
bromide	2	0.5	0.097 F	0.1 F	U	U	0.15 J	0.17 J						
COD	—	5	16	12	12	7.3 F	14 J	15 J						
chloride	250	1	72	70	70	69	75	62						
color	15	5	NA	U	NA	U	U	U						
cyanide, Total	200	0.02	NA	0.012 F	U	U	U	U						
Fluoride	1.5	1	NA	NA	NA	NA	U	U						
hardness, Total	—	1	580	490	510	460	460	78						
nitrate	10	1	0.21	1.1	U	0.45 F	2.0	0.61						
TKN	1	0.2	1.3	U	1.5	0.86 F	1.4 B	0.90 J						
sulfate	250	1	66	63	59	60	70	71						
TDS	500	10	710	630	620	650	670	670						
TOC	—	1	3.3	2.9	3.8	3.4	3.0	3.4						

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	TMC-USGS-2												
Date of Collection			7/6/2006	9/19/2006	12/13/2006	4/18/2007	6/21/2007	10/1/2007	12/11/2007	4/8/2008	6/18/2008	10/2/2008	12/11/2008	4/14/2009	7/1/2009
Sample ID No.			TMCUM0277AA	TMCUM0277BB	TMCUM0227CA	TMCUM0227DA	TMCUM0227EA	TMCUM0277FA	TMCUM0277GA	TMCUM0277HA	TMCUM0227IA	TMCUM0227JA	TMCUM0227KA	TMCUM0227LA	TMCUM0227MA
Depth to Water (ft)			4.38	4.81	3.62	2.66	3.91	5.03	4.25	3.20	6.80	4.68	4.00	3.85	4.17
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2,3-trichlorobenzene	5	1	U												
1,2-dichloroethane	0.6	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	0.25 F	U	U	0.110 F	0.100 F	U	U	U	U	U	U	U
acetone	50	10	1 F	U	U	U	U	U	U	U	U	U	U	U	U
benzene	1	0.1	U	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	1,000	0.5	0.11 F	U	U	U	U	U	U	U	U	U	U	U	0.140 F
chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U	U	U	U
chloromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	0.360 F	U	U
dichlorodifluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
hexachlorobutadiene	0.5*	0.6	0.16 F	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	U	0.43 F	0.170 F	U	0.120 F	U	0.150 F	U	U	U	U	U	U
m,p-xylene	5*	2	U	U	U	U	U	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichlorofluoromethane	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
vinyl chloride	2	1	U	U	U	U	U	U	U	U	U	U	U	U	U
xylenes, Total	—	1.5	U	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs (µg/L)			1.27	0.68	0.17	0	0.23	0.1	0.150	0	0	0	0.36	0	0.140
Leachate Indicators (mg/L)															
alkalinity, Total	—	10	156	130	190	240	150	170	170	150	190	160	150	180	130
ammonia	2	0.2	0.066 B	0.077 B	0.12	0.10	0.09	0.048 F	0.1	0.026 F	0.22	0.052 B	0.053	0.086 B	0.073
BOD5	—	2.4	U	U	U	U	U	U	U	U	U	U	U	U	U
bromide	2	0.5	U	0.034 F	U	0.038 F	0.032 F	0.034 F	0.046 F	0.045 F	0.042 F	0.038 F	U	0.040 F	0.028 F
COD	—	5	16.1 B	U	U	26 B	15 B	39	26 B	26 B	15	19	31	6.0 F	23
chloride	250	1	21.9	22	21	21	23	21	21	21	21	22	19	23	23
color	15	5	100	NA	NA	NA	NA	NA	NA	U	U	NA	NA	U	NA
cyanide, Total	200	0.02	U	NA	NA	NA	U	NA	NA	U	U	NA	NA	NA	NA
Fluoride	1.5	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
hardness, Total	—	1	260	200	250	260	200	200	200	180	210	200	210	300	190
nitrate	10	1	U	0.09 F	0.11	0.016 F	0.033 F	0.045 F	0.047 F	0.048 F	0.050 F	0.045 F	0.085	2.5 I	0.052 F
TKN	1	0.2	0.1 F	0.077 F	0.40	0.34	0.13 F	0.11 F	0.095 F	0.098 F	2.50	0.15 F	0.19 F	0.46	0.18 F
sulfate	250	1	32.8	35	33	34	33	33	31	33	32	32	29	33	31
TDS	500	10	243	210	250	250	290	260	220	180	250	240	200	190	270
TOC	—	1	0.54 F	0.76 F	0.73 F	U	U	0.51 F	0.66 F	U	U	0.55 F	U	U	0.50 F

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	TMC-USGS-2											
Date of Collection			9/16/2009	3/24/2010	9/15/2010	6/7/2011	6/20/2012	6/18/2013						
Sample ID No.			TMCUM0227NA	TMCUM0227OA	TMCUM0227PA	TMCUM0227PA	TMCUM0227QA	TMCUM0227RA						
Depth to Water (ft)			5.06	4.12	5.79	3.67	4.54	4.20						
VOCs (µg/L)														
1,1,1-trichloroethane	5*	1	U	U	U	NA	NA	NA						
1,1-dichloroethene	5*	1	U	U	U	NA	NA	NA						
1,2,3-trichlorobenzene	5	1				NA	NA	NA						
1,2-dichloroethane	0.6	1	U	U	U	NA	NA	NA						
1,4-dichlorobenzene	3	0.5	U	U	U	NA	NA	NA						
acetone	50	10	U	U	2.15 FB	NA	NA	NA						
benzene	1	0.1	U	U	U	NA	NA	NA						
carbon disulfide	1,000	0.5	U	U	U	NA	NA	NA						
chloroform	7	0.3	U	U	U	NA	NA	NA						
chloromethane	5*	1	U	U	U	NA	NA	NA						
cis-1,2-dichloroethene	5*	1	U	U	U	NA	NA	NA						
dichlorodifluoromethane	5*	1	U	U	U	NA	NA	NA						
hexachlorobutadiene	0.5*	0.6	U	U	U	NA	NA	NA						
methylene chloride	5*	1	U	U	U	NA	NA	NA						
m,p-xylene	5*	2	U	U	U	NA	NA	NA						
trichloroethene (TCE)	5*	1	U	U	U	NA	NA	NA						
toluene	5*	1	U	U	U	NA	NA	NA						
trans-1,2-dichloroethene	5*	1	U	U	U	NA	NA	NA						
trichlorofluoromethane	5*	1	U	U	U	NA	NA	NA						
vinyl chloride	2	1	U	U	U	NA	NA	NA						
xylenes, Total	—	1.5	U	U	U	NA	NA	NA						
Total VOCs (µg/L)			0	0	2.15	NA	NA	NA						
Leachate Indicators (mg/L)														
alkalinity, Total	—	10	150	160	200	140	130	120						
ammonia	2	0.2	0.063	U	0.082	0.14	0.096 JB	0.076 J						
BOD5	—	2.4	U	U	U	U	U	U						
bromide	2	0.5	0.036 F	U	U	U	U	U						
COD	—	5	34	14	47	U	U	5.1 J						
chloride	250	1	24	25	29	28	28	31						
color	15	5	NA	U	NA	5	U	U						
cyanide, Total	200	0.02	NA	NA	U	NA	U	U						
Fluoride	1.5	1	NA	NA	NA	NA	U	U						
hardness, Total	—	1	210	190	340	190	170	160						
nitrate	10	1	0.1	0.092 F	U	0.11 F	0.37 J	0.35 J						
TKN	1	0.2	U	0.20 B	0.61 B	0.46 F	0.65 JB	0.58 J						
sulfate	250	1	31	32	32	31	27	24						
TDS	500	10	260	230	260	250	210	190						
TOC	—	1	0.52 F	U	1.9 B	1.1	0.70 J	1.0						

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6LH-1												
Date of Collection			12/20/2006	4/18/2007	6/21/2007	10/1/2007	12/11/2007	4/8/2008	6/18/2008	10/1/2008	12/10/2008	4/16/2009	6/30/2009	9/17/2009	3/24/2010
Sample ID No.			LF6LH0101CA	LF6LH0101DA	LF6LH0101EA	LF6LH0101FA	LF6LH0101GA	LF6LH0101HA	LF6LH0101IA	LF6LH0101JA	LF6LH0101KA	LF6LH0101LA	LF6LH0101MA	LF6LH0101NA	LF6LH0101OA
Depth to Water (ft)			Leachate	Leachate	Leachate	Leachate	Leachate	Leachate	Leachate	Leachate	Leachate	Leachate	Leachate	Leachate	Leachate
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	UJ	U	U	U	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1	U	UJ	U	U	U	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1	U	UJ	U	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	UJ	U	U	U	U	U	U	U	U	U	U	U
acetone	50	10	U	2.34 F	U	U	U	U	U	U	U	1.45 F	1.08 F	2.63 F	1.81 F
benzene	1	0.1	U	UJ	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	1,000	0.5	U	UJ	U	U	U	U	U	U	U	U	U	U	U
chloroform	7	0.3	U	UJ	U	U	U	U	U	U	U	U	U	U	U
chloromethane	5*	1	UJ	UJ	UJ	U	U	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5*	1	U	UJ	U	U	U	U	U	U	U	U	U	U	U
dichlorodifluoromethane	5*	1	U	UJ	U	U	U	U	U	U	U	U	U	U	U
hexachlorobutadiene	0.5*	0.6	U	UJ	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	0.210 F	UJ	U	U	0.120 F	U	U	U	U	U	U	U	U
m,p-xylene	5*	2	U	UJ	U	U	U	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1	U	UJ	U	U	U	U	U	U	U	U	U	U	U
toluene	5*	1	U	U	U	U	U	U	U	U	U	U	0.230 F	0.310 F	U
trans-1,2-dichloroethene	5*	1	U	UJ	U	U	U	U	U	U	U	U	U	U	U
trichlorofluoromethane	5*	1	U	UJ	U	U	U	U	U	U	U	U	U	U	U
vinyl chloride	2	1	U	UJ	U	U	U	U	U	U	U	U	U	U	U
xylene, Total	--	1.5	U	UJ	U	U	U	U	U	U	U	U	U	U	U
Total VOCs (µg/L)			0.21	2.34	0.21	0	0.120	0	0	0	0	1.45	1.31	2.94	1.81
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	180	130	180	180	190	150	180	190	190 B	150	190	200	160
ammonia	2	0.2	U	0.051	0.041 F	0.034 F	0.042 F	0.016 F	0.10 B	0.063 B	0.031 F	0.10 B	0.07	0.065	U
BOD5	--	2.4	3.1	2.1	U	U	2.2	2.4	2.4	U	U	2.6	U	2.4	U
bromide	2	0.5	U	U	U	U	0.27	U	0.33	0.19 F	UJ	0.013 F	0.021 F	0.022 F	U
COD	--	5	20	15 B	20 B	13	28 B	20	120	13	17 B	53	14	23	8.1 F
chloride	250	1	2.2	2.2	2.7	2.6	60	1.8	74	59	58	3.5	7.3	6.4	6.5
color	15	5	NA	NA	10	NA	NA	10	U	NA	NA	10	NA	NA	U
cyanide, Total	200	0.02	NA	NA	U	NA	NA	U	U	NA	NA	NA	NA	NA	NA
Fluoride	1.5	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
hardness, Total	--	1	200	140	210	210	290	160	480	270	250	170	220	240	180
nitrate	10	1	U	16	U	U	U	0.016 F	0.016 F	U	U	U	0.014 F	0.029 F	0.016 F
TKN	1	0.2	0.085 F	0.14 F	0.11 F	0.25 B	0.39	0.46	2.2	0.38	0.20	0.93	0.28	0.36	0.32 B
sulfate	250	1	23	U	19	20	36	16	34	38	37	20	8.3	14	24
TDS	500	10	200	160	240	220	340	140	390	330	360	210	250	250	230
TOC	--	1	2.1	1.8	3.1	2.6	1.4 F	1.9 B	U	1.7	1.2 B	1.9	2.6	3.5	2.4 B

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6LH-1											
Date of Collection			9/16/2010	6/8/2011	6/21/2012	6/18/2013								
Sample ID No.			LF6LH0101PA	LF6LH0101PA	LF6LH0101QA	LF6LH0101RA								
Depth to Water (ft)			Leachate	Leachate	Leachate	Leachate								
VOCs (µg/L)														
1,1,1-trichloroethane	5*	1	U	NA	NA	NA								
1,1-dichloroethene	5*	1	U	NA	NA	NA								
1,2-dichloroethane	0.6	1	U	NA	NA	NA								
1,4-dichlorobenzene	3	0.5	U	NA	NA	NA								
acetone	50	10	3.09 FB	NA	NA	NA								
benzene	1	0.1	U	NA	NA	NA								
carbon disulfide	1,000	0.5	U	NA	NA	NA								
chloroform	7	0.3	U	NA	NA	NA								
chloromethane	5*	1	U	NA	NA	NA								
cis-1,2-dichloroethene	5*	1	U	NA	NA	NA								
dichlorodifluoromethane	5*	1	U	NA	NA	NA								
hexachlorobutadiene	0.5*	0.6	U	NA	NA	NA								
methylene chloride	5*	1	U	NA	NA	NA								
m,p-xylene	5*	2	U	NA	NA	NA								
trichloroethene (TCE)	5*	1	U	NA	NA	NA								
toluene	5*	1	1.08	NA	NA	NA								
trans-1,2-dichloroethene	5*	1	U	NA	NA	NA								
trichlorofluoromethane	5*	1	U	NA	NA	NA								
vinyl chloride	2	1	U	NA	NA	NA								
xylenes, Total	--	1.5	U	NA	NA	NA								
Total VOCs (µg/L)			4.17	NA	NA	NA								
Leachate Indicators (mg/L)														
alkalinity, Total	--	10	190	200	240	190								
ammonia	2	0.2	0.6	0.31	0.16 B	0.062 J								
BOD5	--	2.4	9.7 J	U	3.0	18								
bromide	2	0.5	U	U	U	U								
COD	--	5	130	9.3 F	41	88 J								
chloride	250	1	6.0	2.5 F	12	2.3 J								
color	15	5	NA	40	U	U								
cyanide, Total	200	0.02	U	U	U	U								
Fluoride	1.5	1	NA	0.20 J	0.067 J	0.085 J								
hardness, Total	--	1	220	200	230	210								
nitrate	10	1	U	U	U	U								
TKN	1	0.2	3.2	0.87 F	0.80 JB	1.4								
sulfate	250	1	10	5.4	2.1	9.7								
TDS	500	10	190	210	270	220								
TOC	--	1	11	3.7	8.1	5.9								

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6LH-2												
Date of Collection			12/20/2006	4/18/2007	6/21/2007	10/1/2007	12/12/2007	4/8/2008	6/18/2008	10/1/2008	12/10/2008	4/16/2009	7/1/2009	9/17/2009	3/25/2010
Sample ID No.			LF6LH0201CA	LF6LH0201DA	LF6LH0201EA	LF6LH0201FA	LF6LH0201GA	LF6LH0201HA	LF6LH0201IA	LF6LH0201JA	LF6LH0201KA	LF6LH0201LA	LF6LH0201MA	LF6LH0201NA	LF6LH0201OA
Depth to Water (ft)			Leachate	Leachate	Leachate	Leachate	Leachate	Leachate	Leachate	Leachate	Leachate	Leachate	Leachate	Leachate	Leachate
VOCs (µg/L)															
1,1,1-trichloroethane	5*	1	U	UJ	U	U	U	U	U	U	U	U	U	U	U
1,1-dichloroethene	5*	1	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-dichloroethane	0.6	1	U	UJ	U	U	U	U	U	U	0.130 F	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	UJ	U	U	U	0.180 F	U	U	U	U	U	U	U
acetone	50	10	U	UJ	U	U	U	U	U	U	1.85 F	U	U	U	U
benzene	1	0.1	U	U	U	U	U	U	U	U	U	U	U	U	U
carbon disulfide	1,000	0.5	U	UJ	U	U	0.100 F	U	U	U	U	U	U	U	U
chloroform	7	0.3	U	UJ	U	U	U	U	U	U	U	U	U	U	U
chloromethane	5*	1	UJ	UJ	UJ	U	U	U	U	U	0.640 F	U	U	0.540 F	U
cis-1,2-dichloroethene	5*	1	U	UJ	U	U	U	U	U	U	U	U	U	U	U
dichlorodifluoromethane	5*	1	U	UJ	U	U	U	U	U	U	U	U	U	U	U
hexachlorobutadiene	0.5*	0.6	U	UJ	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5*	1	0.150 F	UJ	0.120 F	U	U	U	U	U	U	U	U	U	U
m,p-xylene	5*	2	U	UJ	U	U	U	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5*	1	U	UJ	U	U	U	U	U	U	U	U	U	U	U
toluene	5*	1	U	U	U	U	U	U	1.33	0.400	U	U	U	U	U
trans-1,2-dichloroethene	5*	1	U	UJ	U	U	U	U	U	U	U	U	U	U	U
trichlorofluoromethane	5*	1	U	UJ	U	U	U	U	U	U	U	U	U	U	U
vinyl chloride	2	1	U	UJ	U	U	U	U	U	U	U	U	U	U	U
xylenes, Total	--	1.5	U	UJ	U	U	U	U	U	U	U	U	U	U	U
Total VOCs (µg/L)			0.15	0	0.12	0	0.100	0.180	1.330	0.400	2.85	0	0	0.54	0
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	190	180	180	180	160	190	190	170	140 B	180	170	170	160
ammonia	2	0.2	U	0.031 F	0.046 F	0.043 F	0.013 F	0.046 F	0.31	0.17	0.054	0.084 B	0.082	0.074	0.046 F
BOD5	--	2.4	U	U	U	U	4.1	U	9.6	3.8	13	U	U	U	U
bromide	2	0.5	0.080 F	0.19 F	0.17	0.32	U	0.13	0.029 F	0.023 F	UJ	0.31	0.22 F	0.31	0.24 F
COD	--	5	7.3 F	17 B	17 B	4.1 F	13 B	15	39	17	250	13	U	6.7 F	12
chloride	250	1	37	49	56	71	2.0	64	11	5.1	6.1	79	80	91	99
color	15	5	NA	NA	U	NA	NA	U	45	NA	NA	U	NA	NA	U
cyanide, Total	200	0.02	NA	NA	U	NA	NA	U	U	NA	NA	NA	NA	NA	NA
Fluoride	1.5	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
hardness, Total	--	1	220	220	230	250	200	280	250	220	210	250	250	260	270
nitrate	10	1	U	U	U	U	0.018 F	0.033 F	0.034 F	U	U	U	U	0.029 F	U
TKN	1	0.2	U	U	U	0.12 F	0.088 F	0.26	1.8	0.70	4.6	0.20	0.26	U	0.35 B
sulfate	250	1	37	36	39	36	24	36	15	17	21	39	38	38	37
TDS	500	10	270	320	360	390	200	330	250	210	190	400	420	380	380
TOC	--	1	0.56 F	U	U	0.71 F	2.7	0.49 F	4.6	5.7	5.9 B	U	U	0.46 F	1.3 B

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class GA Groundwater Standards	Reporting Limit	LF6LH-2											
Date of Collection			9/16/2010	6/8/2011	6/21/2012	6/19/2013								
Sample ID No.			LF6LH0201PA	LF6LH0201PA	LF6LH0201QA	LF6LH0201RA								
Depth to Water (ft)			Leachate	Leachate	Leachate	Leachate								
VOCs (µg/L)														
1,1,1-trichloroethane	5*	1	U	NA	NA	NA								
1,1-dichloroethene	5*	1	U	NA	NA	NA								
1,2-dichloroethane	0.6	1	U	NA	NA	NA								
1,4-dichlorobenzene	3	0.5	U	NA	NA	NA								
acetone	50	10	1.99 FB	NA	NA	NA								
benzene	1	0.1	U	NA	NA	NA								
carbon disulfide	1,000	0.5	U	NA	NA	NA								
chloroform	7	0.3	U	NA	NA	NA								
chloromethane	5*	1	U	NA	NA	NA								
cis-1,2-dichloroethene	5*	1	U	NA	NA	NA								
dichlorodifluoromethane	5*	1	U	NA	NA	NA								
hexachlorobutadiene	0.5*	0.6	U	NA	NA	NA								
methylene chloride	5*	1	U	NA	NA	NA								
m,p-xylene	5*	2	U	NA	NA	NA								
trichloroethene (TCE)	5*	1	U	NA	NA	NA								
toluene	5*	1	U	NA	NA	NA								
trans-1,2-dichloroethene	5*	1	U	NA	NA	NA								
trichlorofluoromethane	5*	1	U	NA	NA	NA								
vinyl chloride	2	1	U	NA	NA	NA								
xylenes, Total	--	1.5	U	NA	NA	NA								
Total VOCs (µg/L)			1.99	NA	NA	NA								
Leachate Indicators (mg/L)														
alkalinity, Total	--	10	160	160	120	140								
ammonia	2	0.2	0.051	0.097 F	0.022 JB	0.22								
BOD5	--	2.4	U	4.1	U	U								
bromide	2	0.5	U	0.19 F	U	0.14 J								
COD	--	5	9.0 F	U	12	4300 D								
chloride	250	1	120	100	6.7	150								
color	15	5	NA	5	U	U								
cyanide, Total	200	0.02	U	U	U	U								
Fluoride	1.5	1	NA	NA	0.074 J	0.068 J								
hardness, Total	--	1	300	240	160	2700 D								
nitrate	10	1	U	U	0.079 J	U								
TKN	1	0.2	0.32 B	0.45 F	0.81 JB	26								
sulfate	250	1	39	37	30	36								
TDS	500	10	360	360	190	380								
TOC	--	1	1.0	0.77 F	2.3	39								

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results

Location of Well	NYSDEC Class A Surface Water Standards	Reporting Limit	LF6SW-1												
Date of Collection			7/6/2006	9/19/2006	12/14/2006	4/17/2007	6/25/2007	10/1/2007	12/11/2007	4/3/2008	6/18/2008	10/1/2008	12/10/2008	4/16/2009	6/30/2009
Sample ID No.			LF6SW0101AA	LF6SW0101BB	LF6SW0101CA	LF6SW0101DA	LF6SW0101EA	LF6SW0101FA	LF6SW0101GA	LF6SW0101HA	LF6SW0101IA	LF6SW0101JA	LF6SW0101KA	LF6SW0101LA	LF6SW0101MA
Depth to Water (ft)			Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water
VOCs (µg/L)															
1,2-dichlorobenzene	3	1	U	0.22 F	0.110 F	U	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	0.21 F	U	0.120 F	U	U	0.220 F	0.190 F	U	U	U	U	U
acetone	50	10	2.2 F	2.21	1.45 F	U	1.6 F	U	1.51 F	U	U	U	2.47	2.38 F	1.81 F
benzene	1	0.1	U	U	U	U	U	U	0.350 F	U	U	U	U	0.110 F	U
carbon disulfide	--	0.5	U	U	U	U	U	U	0.170 F	U	U	U	U	U	U
chlorobenzene	5	0.5	0.37 F	0.92	0.560	0.430 F	0.160 F	0.210 F	1.11	0.370 F	U	0.350 F	0.160	0.380 F	U
chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U	U	0.130 F	U
chloromethane	--	1	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5	1	U	U	U	U	U	U	U	U	U	U	U	U	U
dichlorodifluoromethane	5**	1	U	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5	1	U	U	0.210 F	U	U	U	0.120 F	U	U	U	U	U	U
tetrachloroethene	0.7	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5	1	U	0.13 F	U	U	U	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5	1	U	U	U	U	U	U	U	U	U	U	U	U	U
vinyl chloride	0.3	1	U	U	U	U	U	U	U	U	U	U	U	U	U
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	276	370	230	190	230	250	240	180	130	210	96 B	190	220
ammonia	2	0.2	U	0.049 F	0.053	0.033 F	0.063	0.041 F	0.13	0.022 F	0.19	0.2	0.059	0.046 F	0.033 F
BOD5	--	2.4	U	2.2	U	U	U	U	U	U	U	U	2.4	U	U
bromide	2	0.5	0.31 F	0.14 F	0.11	0.12	0.28	0.28	0.23	0.13 F	0.2	0.26	U	0.19 F	0.18 F
COD	--	5	U	50	20 B	26 B	15 B	8.5 F	15 B	15	15	17	33	120	11
chloride	250	1	184	180	130	140	180	170	190	140	74	130	140	150	160
color	15	5	18 B	NA	NA	NA	15	NA	NA	45	20	NA	NA	10	NA
Fluoride	1.5	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
hardness, Total	--	1	370	340	300	250	340	350	330	260	200	300	150	260	320
nitrate	10	1	0.48 F	0.42 F	0.69	1.1	0.1	0.042 F	0.72	0.82	0.24	0.29	0.49	0.39 F	0.17 F
TKN	1	0.2	0.087 F	0.19 F	0.22 F	0.27	0.17 F	0.30 B	0.32	0.32	0.38	0.42	0.61	0.22	0.20
sulfate	250	1	52.8	49	47	37	47	45	45	39	23	37	18	39	40
TDS	500	10	695	640	570	480	610	640	640	480	340	490	410	490	590
TOC	--	1	2.7	3.3	3.2	4.9	2.8	2.9	3.1	4.6	3.5	3.8	4.8 B	2.1	2.3

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class A Surface Water Standards	Reporting Limit	LF6SW-1												
Date of Collection			9/17/2009	3/24/2010	9/16/2010	6/8/2011	6/21/2012	6/19/2013							
Sample ID No.			LF6SW0101NA	LF6SW0101OA	LF6SW0101PA	LF6SW0101QA	LF6SW0101QA	LF6SW0101RA							
Depth to Water (ft)			Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water							
VOCs (µg/L)															
1,2-dichlorobenzene	3	1	U	U	U	U	U	U							
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U							
acetone	50	10	3.1 F	2.17 F	1.97 FB	U	U	U							
benzene	1	0.1	U	0.160 F	U	U	U	U							
carbon disulfide	--	0.5	U	U	U	U	U	U							
chlorobenzene	5	0.5	U	0.400 F	U	U	U	U							
chloroform	7	0.3	U	U	U	U	U	U							
chloromethane	--	1	U	U	U	U	U	U							
cis-1,2-dichloroethene	5	1	U	U	U	U	U	U							
dichlorodifluoromethane	5**	1	U	U	U	U	U	U							
methylene chloride	5	1	U	U	U	U	U	U							
tetrachloroethene	0.7	1	U	U	U	U	U	U							
trichloroethene (TCE)	5	1	U	U	U	U	U	U							
trans-1,2-Dichloroethene	5	1	U	U	U	U	U	U							
vinyl chloride	0.3	1	U	U	U	U	U	U							
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	250	190	250	200	250	170							
ammonia	2	0.2	0.032 F	U	0.026 F	0.16	0.070 JB	0.29							
BOD5	--	2.4	U	U	U	U	3.1 J	U							
bromide	2	0.5	0.25 F	0.17 F	U	0.16 F	0.27 J	0.19 J							
COD	--	5	9.0 F	17	7.9 F	5.6 F	7.0 J	26							
chloride	250	1	180	120	180	150	190	140							
color	15	5	NA	30	NA	U	U	U							
Fluoride	1.5	1	NA	NA	NA	NA	U	0.071 J							
hardness, Total	--	1	350	250	340	260	300	230							
nitrate	10	1	0.16 F	0.87	U	0.49 F	0.23 J	0.23 J							
TKN	1	0.2	0.11 F	0.67 B	0.30 B	0.51 F	0.86 JB	0.81 J							
sulfate	250	1	43	35	40	35	40	23							
TDS	500	10	620	440	550	510	590	450							
TOC	--	1	2	6.4	2.5	2.3	2.0	6.0							

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class A Surface Water Standards	Reporting Limit	LF6SW-2												
Date of Collection			7/6/2006	9/19/2006	12/14/2006	4/17/2007	6/21/2007	10/1/2007	12/11/2007	4/3/2008	6/18/2008	10/1/2008	12/10/2009	4/16/2009	7/1/2009
Sample ID No.			LF6SW0201AA	LF6SW0201BB	LF6SW0201CA	LF6SW0201DA	LF6SW0201EA	LF6SW0201FA	LF6SW0201GA	LF6SW0201HA	LF6SW0201IA	LF6SW0201JA	LF6SW0201KA	LF6SW0201LA	LF6SW0201MA
Depth to Water (ft)			Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water
VOCs (µg/L)															
1,2-dichlorobenzene	3	1	U	0.25 F	0.110 F	U	U	U	0.110 F	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	0.22 F	U	0.110 F	U	U	0.110 F	U	U	U	U	U	U
acetone	50	10	1.5 F	1.42 F	1.18 F	1.12 F	U	1.26 F	1.55 F	U	3.20	U	1.73 F	2.64 F	U
benzene	1	0.1	U	0.12 F	U	U	U	U	0.210 F	U	U	U	U	U	U
carbon disulfide	--	0.5	U	U	U	U	U	U	0.170 F	U	U	U	U	U	U
chlorobenzene	5	0.5	0.23 F	1.15	0.480 F	0.340 F	0.130 F	0.130 F	0.720	0.300 F	0.200 F	0.260 F	U	0.280 F	U
chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U	U	0.110 F	U
chloromethane	--	1	U	U	U	U	U	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5	1	U	U	U	U	U	U	U	U	U	U	U	U	U
dichlorodifluoromethane	5**	1	U	U	U	U	U	U	U	U	U	U	U	U	U
methylene chloride	5	1	U	U	0.200 F	U	U	U	0.130 F	U	U	U	U	U	U
tetrachloroethene	0.7	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5	1	U	U	U	0.110 F	U	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5	1	U	U	U	U	U	U	U	U	U	U	U	U	U
vinyl chloride	0.3	1	U	U	U	U	U	U	U	U	U	U	U	U	U
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	279	250	230	170	230	250	230	190	130	210	130 B	180	220
ammonia	2	0.2	U	0.041 F	0.050	0.024 F	0.13	0.028 F	0.14	0.017 F	0.21	0.23	0.036 F	0.15	0.048 F
BOD5	--	2.4	U	U	U	U	U	U	U	3.0	U	U	2.3	14	U
bromide	2	0.5	0.31 F	0.14 F	0.11	0.12 F	0.21	0.24	0.23	0.13 F	0.2	0.25	U	0.17 F	0.19 F
COD	--	5	U	16	16 B	28 B	20 B	8.5 F	11 B	17	17	13	26 B	15	18
chloride	250	1	144	180	130	130	140	150	190	140	72	130	91	140	160
color	15	5	18 B	NA	NA	NA	25	NA	NA	30	20	NA	NA	20	NA
Fluoride	1.5	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
hardness, Total	--	1	370	350	300	240	330	350	350	270	190	290	180	260	300
nitrate	10	1	0.44 F	0.3 F	0.67	0.80	0.11	0.031 F	0.67	0.77	0.23	0.29	0.32	0.20 F	0.13 F
TKN	1	0.2	U	0.12 F	0.26 F	0.25	0.25 B	0.21 B	0.31	0.40	0.26	0.42	0.58	2.8	0.37
sulfate	250	1	52	53	46	36	47	44	45	39	23	37	22	38	41
TDS	500	10	636	4,600	550	460	580	600	630	470	310	460	370	390	600
TOC	--	1	3	2.7	3.4	4.7	4.2	3.3	2.9	3.8	3.4	3.9	6.3 B	3.6	2.2

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class A Surface Water Standards	Reporting Limit	LF6SW-2												
Date of Collection			9/17/2009	3/25/2010	9/16/2010	6/8/2011	6/21/2012	6/19/2013							
Sample ID No.			LF6SW0201NA	LF6SW0201OA	LF6SW0201PA	LF6SW0201PA	LF6SW0201QA	LF6SW0201RA							
Depth to Water (ft)			Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water							
VOCs (µg/L)															
1,2-dichlorobenzene	3	1	U	U	U	U	U	U							
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U							
acetone	50	10	1.54 F	3.67 F	1.22 FB	4.4 F	U	U							
benzene	1	0.1	U	0.180 F	U	U	U	U							
carbon disulfide	--	0.5	U	U	U	U	U	U							
chlorobenzene	5	0.5	U	0.420 F	U	U	U	U							
chloroform	7	0.3	U	U	U	U	U	U							
chloromethane	--	1	U	U	U	U	U	U							
cis-1,2-dichloroethene	5	1	U	U	U	U	U	U							
dichlorodifluoromethane	5**	1	U	U	U	U	U	U							
methylene chloride	5	1	U	U	U	U	U	U							
tetrachloroethene	0.7	1	U	U	U	U	U	U							
trichloroethene (TCE)	5	1	U	U	U	U	U	U							
trans-1,2-Dichloroethene	5	1	U	U	U	U	U	U							
vinyl chloride	0.3	1	U	U	U	U	U	U							
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	250	210	250	200	250	160							
ammonia	2	0.2	0.025 F	U	U	0.17	0.075 JB	0.27							
BOD5	--	2.4	U	U	U	U	U	U							
bromide	2	0.5	0.25 F	0.19 F	U	0.16 F	0.27 J	0.19 J							
COD	--	5	9.0 F	13	U	U	6.3 J	25							
chloride	250	1	170	140	170	150	180	140							
color	15	5	NA	20	NA	U	U	U							
Fluoride	1.5	1	NA	NA	NA	NA	U	0.072 J							
hardness, Total	--	1	360	270	330	260	310	250							
nitrate	10	1	0.15 F	0.8	U	0.52	0.19 J	0.23 J							
TKN	1	0.2	U	0.43 B	0.25 B	0.47 F	0.80 JB	0.81 J							
sulfate	250	1	43	37	40	35	39	24							
TDS	500	10	620	480	510	490	560	440							
TOC	--	1	2.2	5.2	2.3	2.1	2.2	5.7							

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class A Surface Water Standards	Reporting Limit	LF6SW-3												
Date of Collection			7/6/2006	9/19/2006	12/14/2006	4/18/2007	6/21/2007	10/1/2007	12/11/2007	4/7/2008	6/18/2008	10/1/2008	12/10/2008	4/16/2009	6/30/2009
Sample ID No.			LF6SW0301AA	LF6SW0301BB	LF6SW0301CA	LF6SW0301DA	LF6SW0301EA	LF6SW0301FA	LF6SW0301GA	LF6SW0301HA	LF6SW0301IA	LF6SW0301JA	LF6SW0301KA	LF6SW0301LA	LF6SW0301MA
Depth to Water (ft)			Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water
VOCs (µg/L)															
1,2-dichlorobenzene	3	1	U	U	U	UJ	U	U	U	U	U	U	U	U	U
1,4-dichlorobenzene	3	0.5	U	0.1 F	U	UJ	0.130 F	U	U	U	U	U	U	U	U
acetone	50	10	1.2 F	1.4 F	U	UJ	U	U	U	U	2.94 F	U	2.49 F	2.01 F	2.16 F
benzene	1	0.1	U	U	U	UJ	U	U	0.140 F	U	U	U	U	U	U
carbon disulfide	--	0.5	U	U	U	U	U	U	0.140 F	U	U	U	U	U	U
chlorobenzene	5	0.5	U	0.13 F	0.310 F	0.370 F	U	U	0.470 F	U	U	U	0.140 F	0.220 F	U
chloroform	7	0.3	U	U	U	U	U	U	U	U	U	U	U	U	U
chloromethane	--	1	U	U	U	UJ	U	U	U	U	U	U	U	U	U
cis-1,2-dichloroethene	5	1	U	U	U	UJ	U	U	U	U	U	U	U	U	U
dichlorodifluoromethane	5**	1	U	U	UJ	UJ	U	U	U	U	U	U	U	U	U
methylene chloride	5	1	U	U	U	0.130 F	U	U	0.140 F	U	U	U	U	U	U
tetrachloroethene	0.7	1	U	U	U	U	U	U	U	U	U	U	U	U	U
trichloroethene (TCE)	5	1	U	U	U	UJ	U	U	U	U	U	U	U	U	U
trans-1,2-Dichloroethene	5	1	U	U	U	U	U	U	U	U	U	U	U	U	U
vinyl chloride	0.3	1	U	U	U	UJ	U	U	U	U	U	U	U	U	U
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	267	220	220	180	220	240	230	180	140	190	100 B	190	230
ammonia	2	0.2	U	0.067 B	0.029 F	0.021 F	0.17	0.031 F	0.091	0.022 F	0.17	0.15	0.057	0.041 F	0.028 F
BOD5	--	2.4	U	U	U	U	U	U	U	U	U	U	2.3	2.6	U
bromide	2	0.5	0.31 F	0.2 F	0.11	0.14 F	0.23	0.26	0.23	0.16	0.21 F	0.25	UJ	0.18 F	0.21 F
COD	--	5	26.7 B	11	22 B	21 B	17 B	8.5 F	11 B	11	13	10	26 B	87	14
chloride	250	1	154	160	120	140	140	150	170	130	70	120	120	140	150
color	15	5	13 B	NA	NA	NA	20	NA	NA	20	20	NA	NA	10	NA
Fluoride	1.5	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
hardness, Total	--	1	340	380	290	250	310	330	290	240	180	300	140	270	290
nitrate	10	1	0.38 F	0.15 F	0.60	0.77	0.12 F	0.041 F	0.59	0.45	0.23 F	0.25	0.48	0.37 F	0.13 F
TKN	1	0.2	U	0.22 F	0.21 F	0.20	0.31 B	0.17 F	0.19 F	0.19 F	0.34	0.35	0.5	0.24	0.19 F
sulfate	250	1	50.1	47	44	37	46	42	43	36	23	37	17	37	39
TDS	500	10	620	570	520	500	550	630	590	460	320	390	370	470	590
TOC	--	1	2.6	2.8	3.7	4.0	3.6	3.6	2.9	2.7	3.1	3.4	4.7 B	2.1	2.0

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class A Surface Water Standards	Reporting Limit	LF6SW-3												
Date of Collection			9/17/2009	3/24/2010	9/16/2010	6/6/2011	6/20/2012	6/18/2013							
Sample ID No.			LF6SW0301NA	LF6SW0301OA	LF6SW0301PA	LF6SW0301PA	LF6SW0301QA	LF6SW0301RA							
Depth to Water (ft)			Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water							
VOCs (µg/L)															
1,2-dichlorobenzene	3	1	U	U	U	U	U	U							
1,4-dichlorobenzene	3	0.5	U	U	U	U	U	U							
acetone	50	10	2.49 F	2.60 F	1.34 FB	3.1 F	U	2.5 J							
benzene	1	0.1	U	0.110 F	U	U	U	U							
carbon disulfide	--	0.5	U	U	U	U	U	U							
chlorobenzene	5	0.5	U	0.300 F	U	U	U	U							
chloroform	7	0.3	U	U	U	U	U	U							
chloromethane	--	1	U	U	U	U	U	U							
cis-1,2-dichloroethene	5	1	U	U	U	U	U	U							
dichlorodifluoromethane	5**	1	U	U	U	U	U	U							
methylene chloride	5	1	U	U	U	U	U	U							
tetrachloroethene	0.7	1	U	U	U	U	U	U							
trichloroethene (TCE)	5	1	U	U	U	U	U	U							
trans-1,2-Dichloroethene	5	1	U	U	U	U	U	U							
vinyl chloride	0.3	1	U	U	U	U	U	U							
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	240	190	240	200	230	160							
ammonia	2	0.2	0.059	U	U	0.24	0.28 B	0.23							
BOD5	--	2.4	U	U	U	U	1.6 J	U							
bromide	2	0.5	0.23 F	0.18 F	U	0.17 F	0.26 J	0.18 J							
COD	--	5	11	19	7.9 F	4.6 F	10 J	28							
chloride	250	1	160	110	170	150	170	120							
color	15	5	NA	30	NA	U	15	U							
Fluoride	1.5	1	NA	NA	NA	NA	U	0.070 J							
hardness, Total	--	1	350	240	330	250	300	230							
nitrate	10	1	0.13 F	0.87	U	0.43 F	0.19 J	0.25 J							
TKN	1	0.2	0.14 F	0.61 B	0.24 B	0.53 F	0.78 JB	1.0							
sulfate	250	1	41	32	40	35	39	23							
TDS	500	10	590	430	530	490	520	410							
TOC	--	1	1.9	6.2	2.4	2.2	2.3	6.5							

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class A Surface Water Standards		Reporting Limit		LF6W-1												
Date of Collection					7/6/2006	9/19/2006	12/14/2006	4/17/2007	6/21/2007	10/1/2007	12/11/2007	4/8/2008	6/18/2008	10/1/2008	12/10/2008	4/16/2009	7/1/2009
Sample ID No.					NS	NS	LF6WT0101CA	LF6WT0101DA	LF6WT0101EA	LF6WT0101FA	LF6WT0101GA	LF6WT0101HA	LF6WT0101IA	LF6WT0101JA	LF6WT0101KA	LF6WT0101LA	LF6WT0101MA
Depth to Water (ft)					Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water
VOCs (µg/L)																	
1,2-dichlorobenzene	3	1	NS	NS	U	U	NS	NS	NS	U	NS	NS	U	U	U		
1,4-dichlorobenzene	3	0.5	NS	NS	U	U	NS	NS	NS	0.190 F	NS	NS	U	U	U		
acetone	50	10	NS	NS	2.17 F	U	NS	NS	NS	U	NS	NS	U	1.70 F	1.87 F		
benzene	1	0.1	NS	NS	U	U	NS	NS	NS	U	NS	NS	U	U	U		
carbon disulfide	--	0.5	NS	NS	U	U	NS	NS	NS	U	NS	NS	U	U	U		
chlorobenzene	5	0.5	NS	NS	U	U	NS	NS	NS	U	NS	NS	U	U	U		
chloroform	7	0.3	NS	NS	U	U	NS	NS	NS	U	NS	NS	U	U	U		
chloromethane	--	1	NS	NS	U	U	NS	NS	NS	U	NS	NS	U	U	U		
cis-1,2-dichloroethene	5	1	NS	NS	2.13	2.67 J	NS	NS	NS	U	NS	NS	U	11.7	27.4		
dichlorodifluoromethane	5**	1	NS	NS	UJ	U	NS	NS	NS	U	NS	NS	U	U	U		
methylene chloride	5	1	NS	NS	0.300 F	U	NS	NS	NS	U	NS	NS	U	U	U		
tetrachloroethene	0.7	1	NS	NS	U	U	NS	NS	NS	U	NS	NS	0.110 F	0.660 F	0.420 F		
trichloroethene (TCE)	5	1	NS	NS	0.140 F	0.460 F	NS	NS	NS	U	NS	NS	U	11.0	12.9		
trans-1,2-Dichloroethene	5	1	NS	NS	U	U	NS	NS	NS	U	NS	NS	U	0.220 F	0.350 F		
vinyl chloride	0.3	1	NS	NS	0.690 F	U	NS	NS	NS	U	NS	NS	U	3.36	3.36		
Leachate Indicators (mg/L)																	
alkalinity, Total	--	10	NS	NS	260	170	NS	NS	NS	180	NS	NS	190 B	390	480		
ammonia	2	0.2	NS	NS	U	U	NS	NS	NS	0.021 F	NS	NS	U	0.72	1.2		
BOD5	--	2.4	NS	NS	U	U	NS	NS	NS	U	NS	NS	U	U	3.5		
bromide	2	0.5	NS	NS	U	0.044 F	NS	NS	NS	0.035 F	NS	NS	UJ	0.093 F	0.1		
COD	--	5	NS	NS	22 B	19 B	NS	NS	NS	81	NS	NS	35	8.2 F	U		
chloride	250	1	NS	NS	1.8	11	NS	NS	NS	8.5	NS	NS	6.8	2.1	2.2		
color	15	5	NS	NS	NA	NA	NS	NS	NS	20	NS	NS	NA	U	NA		
Fluoride	1.5	1	NS	NS	NA	NA	NS	NS	NS	NA	NS	NS	NA	NA	NA		
hardness, Total	--	1	NS	NS	280	180	NS	NS	NS	200	NS	NS	200	410	500		
nitrate	10	1	NS	NS	0.022 F	0.41	NS	NS	NS	0.24 B	NS	NS	0.28 B	U	U		
TKN	1	0.2	NS	NS	0.24 F	0.15 F	NS	NS	NS	1.3	NS	NS	0.51	2.6	1.8		
sulfate	250	1	NS	NS	28	12	NS	NS	NS	20	NS	NS	7.2	39	46 J		
TDS	500	10	NS	NS	340	220	NS	NS	NS	180	NS	NS	180	470	600		
TOC	--	1	NS	NS	5.9	4.7	NS	NS	NS	6.0	NS	NS	5.6 B	7.7	7.2		

For notes, please refer to the end of the tables section.

Table 6-2
Groundwater and Surface Water Sampling Results (continued)

Location of Well	NYSDEC Class A Surface Water Standards	Reporting Limit	LF6W-1												
Date of Collection			9/17/2009	3/24/2010	9/15/2010	6/6/2011	6/21/2012	6/19/2013							
Sample ID No.			LF6WT0101NA	LF6WT0101OA				LF6WT0101RA							
Depth to Water (ft)			Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water							
VOCs (µg/L)															
1,2-dichlorobenzene	3	1	NS	U	NS	NS	NS	NS							
1,4-dichlorobenzene	3	0.5	NS	U	NS	NS	NS	NS							
acetone	50	10	NS	2.29 F	NS	NS	NS	NS							
benzene	1	0.1	NS	U	NS	NS	NS	NS							
carbon disulfide	--	0.5	NS	U	NS	NS	NS	NS							
chlorobenzene	5	0.5	NS	U	NS	NS	NS	NS							
chloroform	7	0.3	NS	U	NS	NS	NS	NS							
chloromethane	--	1	NS	U	NS	NS	NS	NS							
cis-1,2-dichloroethene	5	1	NS	U	NS	NS	NS	NS							
dichlorodifluoromethane	5**	1	NS	U	NS	NS	NS	NS							
methylene chloride	5	1	NS	U	NS	NS	NS	NS							
tetrachloroethene	0.7	1	NS	U	NS	NS	NS	NS							
trichloroethene (TCE)	5	1	NS	U	NS	NS	NS	NS							
trans-1,2-Dichloroethene	5	1	NS	U	NS	NS	NS	NS							
vinyl chloride	0.3	1	NS	U	NS	NS	NS	NS							
Leachate Indicators (mg/L)															
alkalinity, Total	--	10	NS	190	NS	NS	NS	180							
ammonia	2	0.2	NS	U	NS	NS	NS	0.063 J							
BOD5	--	2.4	NS	U	NS	NS	NS	U							
bromide	2	0.5	NS	U	NS	NS	NS	0.14 J							
COD	--	5	NS	6.7 F	NS	NS	NS	140							
chloride	250	1	NS	1.8	NS	NS	NS	0.96 J							
color	15	5	NS	U	NS	NS	NS	U							
Fluoride	1.5	1	NS	NA	NS	NS	NS	0.086 J							
hardness, Total	--	1	NS	230	NS	NS	NS	220							
nitrate	10	1	NS	12	NS	NS	NS	U							
TKN	1	0.2	NS	0.77	NS	NS	NS	1.1							
sulfate	250	1	NS	4.2	NS	NS	NS	2.4 J							
TDS	500	10	NS	200	NS	NS	NS	220							
TOC	--	1	NS	4.1	NS	NS	NS	14							

For notes, please refer to the end of the tables section.

Table 6-3
Landfill 6 MAROS Trend Results

Well ID	Well Type	Number of Samples	Number of Detects	Mann-Kendall Statistic	Mann -Kendall Trend/ % Confidence	Linear Regression Trend/ % Confidence		
Alkalinity [Carbonate (as C03)]								
775VMW-10	Source	19	19	12	NT	64.8	I	97.2
775VMW-18R	Tail	19	19	90	I	100	I	100.0
775VMW-20R	Tail	19	19	-80	D	87.4	D	99.9
LF6MW-1	Tail	19	19	-27	S	92.3	PD	94.3
LF6MW-12	Source	19	19	1	NT	50	NT	80.5
LF6VMW-10R2	Tail	19	19	-5	S	97.9	PI	90.0
LF6VMW-17D	Tail	19	19	-96	D	99.9	D	100.0
LF6VMW-17S	Tail	4	4	2	NT	73.8	I	100.0
LF6VMW-18	Tail	19	19	-69	D	97.9	D	97.8
LF6VMW-19	Tail	19	19	92	I	96.3	I	99.7
LF6VMW-20	Tail	19	19	79	I	100	NT	83.7
LF6VMW-21	Tail	19	19	44	PI	90.7	NT	89.4
LF6VMW-22	Tail	19	19	58	I	93.8	I	95.7
LF6VMW-23	Tail	19	19	73	I	64.8	PI	94.9
LF6VMW-24	Tail	19	19	-46	PD	100	D	98.9
LF6VMW-25	Tail	19	19	-71	D	55.5	NT	59.3
LF6VMW-26	Source	19	19	-78	D	99.7	D	98.5
RV-LF6LH-1	Tail	17	17	61	I	62.7	I	98.3
RV-LF6LH-2	Tail	17	17	-77	D	92.4	D	100
TMCMW-9	Tail	19	19	-78	D	99.9	D	99.4
TMC-USGS-2	Tail	19	19	-45	PD	96.3	D	97
WT-LF6WT-1	Tail	8	8	4	NT	76.4	S	56.5
Hardness [bicarbonate]								
775VMW-10	Source	19	19	-18	S	72.2	S	73.7
775VMW-18R	Tail	19	19	-94	D	100	D	100.0
775VMW-20R	Tail	19	19	34	NT	87.4	S	73.4
LF6MW-1	Tail	19	19	-42	PD	92.3	S	74.5
LF6MW-12	Source	19	19	55	I	97.1	NT	86
LF6VMW-10R2	Tail	19	19	59	I	97.9	NT	77.9
LF6VMW-17D	Tail	19	19	-84	D	99.9	D	99.8
LF6VMW-17S	Tail	18	18	-18	S	73.8	S	78.4
LF6VMW-18	Tail	19	19	-59	D	97.9	D	99.7
LF6VMW-19	Tail	19	19	52	I	96.3	S	82.2
LF6VMW-20	Tail	19	19	-139	D	100	D	100.0
LF6VMW-21	Tail	19	19	39	PI	90.7	PI	90.7
LF6VMW-22	Tail	19	19	45	PI	93.8	S	65.3
LF6VMW-23	Tail	19	19	12	NT	64.8	NT	83.6
LF6VMW-24	Tail	19	19	157	I	100	I	100.0
LF6VMW-25	Tail	19	19	-5	S	55.5	NT	82.0
LF6VMW-26	Source	19	19	86	I	99.9	I	100
RV-LF6LH-1	Tail	17	17	9	NT	62.7	I	57.4
RV-LF6LH-2	Tail	17	17	36	PI	92.4	NT	85.6
TMCMW-9	Tail	19	19	-85	D	99.9	D	99.9
TMC-USGS-2	Tail	19	19	-52	D	96.3	PD	92.3
WT-LF6WT-1	Tail	8	8	7	NT	76.4	NT	54.5

Table 6-3
Landfill 6 MAROS Trend Results

Well ID	Well Type	Number of Samples	Number of Detects	Mann-Kendall Statistic	Mann -Kendall Trend/ % Confidence	Linear Regression Trend/ % Confidence
Nitrate [nitrogen]						
775VMW-10	Source	19	19	-133	D	100
775VMW-18R	Tail	19	19	-1	S	50
775VMW-20R	Tail	18	8	12	NT	66
LF6MW-1	Tail	19	19	33	NT	86.7
LF6MW-12	Source	18	3	-16	S	71.3
LF6VMW-10R2	Tail	19	19	76	I	99.7
LF6VMW-17D	Tail	19	18	5	NT	55.5
LF6VMW-17S	Tail	19	19	87	I	99.9
LF6VMW-18	Tail	19	11	-95	D	100
LF6VMW-19	Tail	19	19	77	I	99.7
LF6VMW-20	Tail	19	19	22	NT	76.6
LF6VMW-21	Tail	19	19	99	I	100
LF6VMW-22	Tail	19	19	88	I	99.9
LF6VMW-23	Tail	19	19	21	NT	75.5
LF6VMW-24	Tail	18	1	-11	S	64.6
LF6VMW-25	Tail	19	13	40	PI	91.3
LF6VMW-26	Source	18	4	32	NT	87.8
RV-LF6LH-1	Tail	17	5	9	NT	62.7
RV-LF6LH-2	Tail	17	5	8	NT	61.2
TMCMW-9	Tail	19	17	24	NT	78.7
TMC-USGS-2	Tail	19	17	76	I	99.7
WT-LF6WT-1	Tail	8	5	-5	NT	68.3
Total Organic Carbon						
775VMW-10	Source	19	11	5	NT	55.5
775VMW-18R	Tail	19	19	36	NT	88.8
775VMW-20R	Tail	18	14	-8	S	60.3
LF6MW-1	Tail	19	19	-43	PD	92.8
LF6MW-12	Source	19	19	34	NT	87.4
LF6VMW-10R2	Tail	18	13	15	NT	70
LF6VMW-17D	Tail	19	15	-60	D	98.1
LF6VMW-17S	Tail	19	19	-15	S	68.6
LF6VMW-18	Tail	19	18	-36	S	88.8
LF6VMW-19	Tail	19	18	23	NT	77.7
LF6VMW-20	Tail	19	14	-57	D	97.5
LF6VMW-21	Tail	18	9	13	NT	67.3
LF6VMW-22	Tail	19	18	26	NT	80.7
LF6VMW-23	Tail	19	19	9	NT	60.9
LF6VMW-24	Tail	17	12	0	S	48.4
LF6VMW-25	Tail	19	19	-111	D	100
LF6VMW-26	Source	19	17	-10	S	62.2
RV-LF6LH-1	Tail	17	16	56	I	98.9
RV-LF6LH-2	Tail	17	13	40	PI	94.6
TMCMW-9	Tail	19	19	-20	S	74.4
TMC-USGS-2	Tail	19	12	24	NT	78.7
WT-LF6WT-1	Tail	8	8	8	NT	80.1

Notes:

D = Decreasing

I = Increasing

N/A = Not applicable

NT = No trend

PD = Probably decreasing

PI = Probably increasing

S = Stable

* = One of the variables in the MAROS program is the value assigned to non-detects. This value was set at one half the detection limit, which causes a false positive for the COC's average concentration. Instead of 0 µg/L, the value of one half the detection limit was reported.

Table 6-4
Landfill 6 AOC LTM Network

Sampling Locations	Screen Interval Depth (ft MSL)	Sampling Rationale	Target Analytes/ Method Numbers ¹	Matrix	# of Samples	Sampling Frequency	Evaluation Criteria
Groundwater LF6MW-1 TMC-USGS-2 775VMW-18R 775VMW-20R LF6VMW-10R2 LF6VMW-17S ² LF6VMW-17D ² LF6VMW-18 ³ LF6VMW-19 ³ LF6VMW-20 ³ LF6VMW-21 ³ LF6VMW-22 ³	460.8' – 450.8' 428.6' – 426.1' 423.7' – 413.7' 413.9' – 403.9' 439.2' – 429.2' 457.18' – 447.18' 422.1' – 412.1' 411.88' – 421.88' 438.95' – 428.95' 398.26' – 388.26' 434.93' – 424.93' 435.76' – 425.76'	----- Upgradient well Downgradient from landfill Upgradient well Upgradient well Downgradient from landfill Downgradient, vertical profile Downgradient, vertical profile Downgradient, vertical profile Downgradient, vertical profile Downgradient, vertical profile Upgradient well Downgradient, vertical profile Leachate locations	<u>Landfill Leachate</u> <u>Indicators:</u> Anions – SW9056 Nitrogen (TKN) – 351.2 Ammonia – 350.2 COD – 410.4 BOD – 405.1 TOC – SW9060 TDS – 160.1 Alkalinity – 310.1 Phenols – SW9066 Hardness – 130.2 Color – 110.2 Boron – SW6010B	Water	23	Annually	If downgradient wells do not exhibit exceedances of NYS Groundwater Standards or Base background levels for two successive monitoring events, evaluate monitoring frequency and number of wells.
Leachate Locations LF6LH-1 LF6LH-2							

Table 6-4 (continued)
Landfill 6 AOC LTM Network

Sampling Locations	Screen Interval Depth (ft MSL)	Sampling Rationale	Target Analytes/ Method Numbers ¹	Matrix	# of Samples	Sampling Frequency	Evaluation Criteria
Groundwater 775VMW-10 LF6MW-12 LF6VMW-23 ² LF6VMW-24 ² LF6VMW-25 ² LF6VMW-26 ³ TMCMW-9 Surface Water (TMC) LF6/TMC SW-1 LF6/TMC SW-2 LF6/TMC SW-3 Wetlands LF6W-1	427.1' – 412.1' 416.59' – 406.59' 424.57' – 414.57' 419.25' – 409.25' 416.6' – 406.6' 412.9' – 402.9' 439.16' – 429.16'	Upgradient well Downgradient from landfill Downgradient, vertical profile Downgradient, vertical profile Downgradient, vertical profile Downgradient from landfill Downgradient from landfill ----- Potential contaminant receptor Potential contaminant receptor Potential contaminant receptor Potential contaminant receptor	<u>VOCs</u> – SW8260 <u>Landfill Leachate</u> <u>Indicators:</u> Anions – SW9056 Nitrogen (TKN) – 351.2 Ammonia – 350.2 COD – 410.4 BOD – 405.1 TOC – SW9060 TDS – 160.1 Alkalinity – 310.1 Phenols – SW9066 Hardness – 130.2 Color – 110.2 Boron – SW6010B	Water	23	Annually	If downgradient wells do not exhibit exceedances of NYS Groundwater Standards or Base background levels for two successive monitoring events, evaluate monitoring frequency and number of wells. Surface water analytes and frequency will be varied to follow groundwater program.
Gas Sampling Gas monitoring probes/vents		In accordance with 6 NYCRR 360-2.17(f)	Methane (FID/CGI)	Gas	13 probes 16 vents	Semiannual	

1 Baseline parameters based on 6 NYCRR Part 360, Subpart 2, Appendix A.

Table 6-5
Landfill 6 AOC Historical LTM Network Optimization

Sampling Locations	Sampling Rationale	Target Analytes/ Method Numbers ¹	Sampling Frequency	Evaluation Criteria/ Modification Justification
Recommended LTM Network Changes				
Analysis/Frequency Changes				
March 2011				
Groundwater LF6MW-1 TMC-USGS-2 775VMW-18R 775VMW-20R LF6VMW-10R2 LF6VMW-17S LF6VMW-17D LF6VMW-18 LF6VMW-19 LF6VMW-20 LF6VMW-21 LF6VMW-22	----- Upgradient well Downgradient from landfill Upgradient well Upgradient well Downgradient from landfill Downgradient, vertical profile Downgradient, vertical profile Downgradient, vertical profile Downgradient, vertical profile Downgradient, vertical profile Upgradient well Downgradient, vertical profile	<u>Metals</u> – SW6010B (except Hg) <u>Mercury</u> ² – SW7470A <u>Cyanide</u> ² – SW9010B <u>Landfill Leachate</u> <u>Indicators:</u> Anions – SW9056 Nitrogen (TKN) – 351.2 Ammonia – 350.2 COD – 410.4 BOD – 405.1 TOC – SW9060 TDS – 160.1 Alkalinity – 310.1 Phenols – SW9066 Hardness – 130.2 Color ² – 110.2 Boron ² – SW6010B	Annually (Baseline)	Reduce sampling frequency as COCs have stabilized site-wide. Remove VOC analysis as VOCs have not been detected at these sampling locations for several sampling rounds.
Leachate/Wetlands LF6W-1 LF6W-2 LF6W-3 LF6LH-1 LF6LH-2	----- Potential contaminant receptor Potential contaminant receptor Potential contaminant receptor Leachate Sampling Location Leachate Sampling Location			

Table 6-5 (continued)
Landfill 6 AOC Historical LTM Network Optimization

Recommended LTM Network Changes				
Analysis/Frequency Changes				
March 2011				
Groundwater TCMW-9 775VMW-10 LF6MW-12 LF6VMW-22 LF6VMW-23 LF6VMW-24 LF6VMW-25 LF6VMW-26 Surface Water (Three Mile Creek) LF6/TMCSW-1 LF6/TMCSW-2 LF6/TMCSW-3	----- Downgradient from landfill Upgradient well Downgradient from landfill Downgradient, vertical profile Downgradient, vertical profile Downgradient, vertical profile Downgradient, vertical profile Downgradient from landfill ----- Potential contaminant receptor Potential contaminant receptor Potential contaminant receptor	<u>VOCs</u> – SW8260 <u>Metals</u> – SW6010B (except Hg) <u>Mercury</u> ² – SW7470A <u>Cyanide</u> ² – SW9010B <u>Landfill Leachate</u> <u>Indicators:</u> Anions – SW9056 Nitrogen (TKN) – 351.2 Ammonia – 350.2 COD – 410.4 BOD – 405.1 TOC – SW9060 TDS – 160.1 Alkalinity – 310.1 Phenols – SW9066 Hardness – 130.2 Color ² – 110.2 Boron ² – SW6010B	Annually (Baseline)	Reduce sampling frequency as COCs have stabilized site-wide.
Analysis/Frequency Changes				
January 2011				
Gas Sampling 16 gas monitoring probes and 16 gas vents	In accordance with 6 NYCRR 360-2.17 (f)	<u>Methane</u> <u>LEL</u> <u>Oxygen</u> <u>Carbon dioxide</u> <u>Barometric pressure</u>	Semi-annually	Reduce monitoring frequency to semi-annual as methane levels have stabilized throughout the site.

Table 6-5 (continued)
Landfill 6 AOC Historical LTM Network Optimization

Historical LTM Network Changes				
Analysis/Frequency Changes				
April 2009				
Groundwater	-----	VOCs – SW8260	Semi-Annual	Reduce sampling frequency as COCs have stabilized site-wide.
LF6MW-1	Upgradient well	<u>Metals</u> – SW6010B	(Routine)	
TMCMW-9	Downgradient from landfill	(except Hg)		
TMC-USGS-2	Downgradient from landfill	<u>Mercury</u> ² – SW7470A	Annually	
775VMW-10	Upgradient well	<u>Cyanide</u> ² – SW9010B	(Baseline)	
775VMW-18R	Upgradient well	<u>Landfill Leachate</u>		
775VMW-20R	Upgradient well	<u>Indicators:</u>		
LF6VMW-10R2	Downgradient from landfill	Anions – SW9056		
LF6MW-12	Downgradient from landfill	Nitrogen (TKN) – 351.2		
LF6VMW-17S	Downgradient, vertical profile	Ammonia – 350.2		
LF6VMW-17D	Downgradient, vertical profile	COD – 410.4		
LF6VMW-18	Downgradient, vertical profile	BOD – 405.1		
LF6VMW-19	Downgradient, vertical profile	TOC – SW9060		
LF6VMW-20	Downgradient, vertical profile	TDS – 160.1		
LF6VMW-21	Upgradient well	Alkalinity – 310.1		
LF6VMW-22	Downgradient, vertical profile	Phenols – SW9066		
LF6VMW-23	Downgradient, vertical profile	Hardness – 130.2		
LF6VMW-24	Downgradient, vertical profile	Color ² – 110.2		
LF6VMW-25	Downgradient, vertical profile	Boron ² – SW6010B		
LF6VMW-26	Downgradient from landfill			
Leachate/Wetlands	-----			
LF6W-1	Potential contaminant receptor			
LF6W-2	Potential contaminant receptor			
LF6W-3	Potential contaminant receptor			
LF6LH-1	Leachate Sampling Location			
LF6LH-2	Leachate Sampling Location			
Surface Water	-----			
LF6/TMCSW-1	Potential contaminant receptor			
LF6/TMCSW-2	Potential contaminant receptor			
LF6/TMCSW-3	Potential contaminant receptor			

Table 6-5 (continued)
Landfill 6 AOC Historical LTM Network Optimization

Historical LTM Network Changes				
Analysis/Frequency Changes				
April 2009				
Gas Sampling³ 16 gas monitoring probes and 16 gas vents	In accordance with 6 NYCRR 360-2.17 (f)	Methane LEL Oxygen Carbon dioxide Barometric pressure	Semi-Annually (Routine) Annually (Baseline)	Reduce sampling frequency from quarterly to semi-annually. Sampling frequency was reduced, due to the low methane concentrations.
December 2006				
Added Sampling Locations				
Leachate LF6LH-1 LF6LH-2	----- Leachate Sampling Location Leachate Sampling Location	<u>VOCs</u> – SW8260 <u>Metals</u> – SW6010B (except Hg) <u>Mercury</u> ² – SW7470A <u>Cyanide</u> ² – SW9010B <u>Landfill Leachate Indicators:</u> Anions – SW9056 Nitrogen (TKN) – 351.2 Ammonia – 350.2 COD – 410.4 BOD – 405.1 TOC – SW9060 TDS – 160.1 Alkalinity – 310.1 Phenols – SW9066 Hardness – 130.2 Color ² – 110.2 Boron ² – SW6010B	Quarterly (Routine) Annually (Baseline)	Quarterly monitoring with semi-annual evaluation and recommendations.

Table 6-5 (continued)
Landfill 6 AOC Historical LTM Network Optimization

Historical LTM Network Changes				
June 2006				
Analysis/Frequency Changes				
All groundwater monitoring wells and surface water sampling locations	--	<u>Metals</u> – SW6010B (except Hg)	Quarterly (Routine) Annually (Baseline)	Samples collected for metals analysis will be analyzed for both dissolved and total concentrations.

1 Target analytes are based on 6 NYCRR Part 360, Subpart 2, Appendix A.

Table 6-6
Landfill 6 AOC Proposed Future LTM Network Optimization

Sampling Locations	Screen Interval Depth (ft MSL)	Sampling Rationale	Target Analytes/ Method Numbers¹	Matrix	# of Samples	Sampling Frequency	Evaluation Criteria/Modification Justification
Gas Sampling Gas monitoring probes/vents		In accordance with 6 NYCRR 360-2.17(f)	Methane (FID/CGI)	Gas	13 probes 16 vents	Annually	Reduce monitoring frequency to annually as methane levels have stabilized throughout the site.

Notes and Data Qualifiers

B = The analyte was found in an associated blank, as well as in the sample.

F = The analyte was positively identified above MDL, however the concentration is below the reporting limit (RL).

J = For the 2002 to 2010 results, the analyte was positively identified, but the quantitation is an approximation.

J = For the 2011 and 2012 results, the analyte was positively identified above MDL, however the concentration is below the reporting limit (RL).

M = A matrix effect was present.

U = The analyte was analyzed for, but not detected. The associated numerical value is at or below the method detection limit.

UJ = The result is estimated at the method detection limit.

UM = A matrix effect was present; the analyte was not detected above the method detection limit.

NA = Not analyzed

NS = Not sampled

R = The data is unusable due to deficiencies in the ability to analyze the sample and meet QC criteria.

* - Color is analyzed in Platinum Cobalt Units (PCU)

♦ = Duplicate value was used.

-- = No value reported

 = Value exceeded NYSDEC Groundwater standard.

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