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LANDFILL BIOREACTOR PROJECT
JULY 2010
SEMI-ANNUAL REPORT
OF MONITORING ACTIVITIES

MAPLEWOOD RECYCLING AND WASTE DISPOSAL FACILITY
AMELIA COUNTY, VIRGINIA

VDEQ Solid Waste Permit No. 540

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Project No.: ME0275

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EXECUTIVE SUMMARY

This report, entitled "*Landfill Bioreactor Project, July 2010, Semi-Annual Report of Monitoring Activities, Maplewood Recycling and Waste Disposal Facility, Amelia County, Virginia*", has been prepared for Waste Management of Virginia, Inc (WMVA) by Geosyntec Consultants (Geosyntec). The purpose of this semi-annual monitoring report is to present the results obtained between 1 January 2010 and 30 June 2010, of the Landfill Bioreactor Project at the Maplewood Recycling and Waste Disposal Facility (Maplewood Landfill) in Amelia County, Virginia. The bioreactor study is being performed by WMVA under the United States Environmental Protection Agency's (USEPA's) Project Excellence and Leadership Program (Project XL) since August 2002. As part of the Project XL program, Phases 1 and 2 of Maplewood Landfill are operated as bioreactors and Phases 3 and 4 are operated as standard landfill cells with no leachate recirculation. The total leachate recirculated in the test areas at Maplewood Landfill since August 2002 has been 12,435,491 gallons. No leachate has been applied to the test area since March 2008 due to the inability of the existing trenches to drain.

Since the existing leachate recirculation trenches were no longer capable of allowing leachate to drain into the landfill, at this time, it is WMVA's intention to terminate leachate recirculation at Maplewood Landfill. This July 2010 semi-annual report will be the last semi-annual report of monitoring activities for the Landfill Bioreactor Project under USEPA's Project XL agreement.

Two conclusions can be drawn from Project XL at Maplewood Landfill:

1. No clear trends have been observed in landfill gas, leachate, or waste degradation between the test and control areas. The average settlement in the test area was observed to be approximately twice in the amount of the control area (9.4 ft vs. 5.3 ft).
2. No major operational or environmental impacts were observed during the Project XL program.

1. INTRODUCTION

1.1 Terms of Reference

The purpose of this semi-annual monitoring report is to present the results obtained between 1 January 2010 and 30 June 2010, of the Landfill Bioreactor Project at the Maplewood Recycling and Waste Disposal Facility (Maplewood Landfill) in Amelia County, Virginia. The bioreactor study is being performed by Waste Management of Virginia, Inc. (WMVA) under the United States Environmental Protection Agency's (USEPA's) Project Excellence and Leadership Program (Project XL). This monitoring report was prepared for the Virginia Department of Environmental Quality (VDEQ) by Mr. Lei Yuan, Ph.D., P.E., and was reviewed by Mr. Thomas B. Ramsey, P.E., both of Geosyntec Consultants (Geosyntec), in accordance with the internal peer review policy of the firm. This report describes the monitoring activities between the above mentioned dates. To aid in the interpretation of the data, the tables and figures contain all of the data collected since leachate recirculation began on 20 August 2002.

1.2 Project Overview

The Maplewood Landfill is located in Amelia County, Virginia, approximately 30 miles southwest of Richmond, Virginia. The waste disposal area will cover approximately 404 acres upon completion. Construction of the first phases started in 1992. The Maplewood Landfill was constructed having a geomembrane composite double-liner system, with primary leachate collection and leak detection (secondary collection) layers. The current configuration of Phases 1 through 4 is shown in Figure 1 and Drawing 1. As part of the Project XL program, Phases 1 and 2 are operated as bioreactors (i.e., leachate is recirculated); whereas Phases 3 and 4 are operated as standard landfill cells (i.e., no leachate is recirculated). Phases 1 and 2 of the Maplewood Landfill are referred to as the test area. Phases 3 and 4 are referred to as the control area.

A landfill is said to be a bioreactor when leachate and other liquids are added to the landfill to raise the moisture content of the waste to near its field capacity. The purposes of operating a landfill as a bioreactor are to increase the rate of biodegradation of waste in the landfill and to facilitate the management of leachate and other waste liquids. The original intent of the program at Maplewood was to recirculate all of the leachate generated at the site, typically between 3 to 4 million gallons per year. WMVA will seek to recirculate this amount, and maintain compliance with applicable rules and regulations. In the interest of maintaining compliance with good landfill

operating practices and environmental protection, the actual amount of leachate recirculated may be less than 4 million gallons per year. The amount of liquid applied to the waste will vary based on site inspections and observations. Regardless of the quantity of leachate recirculated, the requirement to perform monitoring during the course of the program will continue.

It was anticipated that operating Phases 1 and 2 as a bioreactor would result in several environmental and cost saving benefits including, but not limited to, the following: (i) decreased leachate management costs; (ii) increased waste density in the landfill; (iii) reduced period of landfill gas generation; and (iv) improved long-term leachate quality. These benefits are discussed in depth in WMVA's Project XL application [Geosyntec, 2000].

The performance of the landfill is evaluated based on measurements of critical chemical and physical parameters associated with the solids, liquids, and gases obtained from the test and control areas. Parameters measured include: settlement, leachate quantity and quality, in-place density of waste, and air quality. The parameters measured in the bioreactor area (i.e., test area) are compared to similar parameters measured from the control area.

1.3 Report Organization

In this report, the results of the analytical tests conducted between 1 January 2010 and 30 June 2010 (this reporting period) will be provided. The organization of this report is described below.

- Section 2 addresses the Federal register site specific rule making.
- Section 3 presents the requirements of VDEQ Experimental Permit.
- Section 4 describes the monitoring program and sampling and analysis activities performed during this reporting period.
- Section 5 describes the analytical test results and other data collected during this reporting period.
- Section 6 presents summary comments and an update on the status of the permit for Maplewood.
- Section 7 provides references.
- Appendix A presents leachate laboratory analysis results.

- Appendix B presents the liquid application logs (a daily and monthly liquid application summary is presented in Table 7).
- Appendix C presents the trench monitoring logs.
- Appendix D presents landfill settlement data.
- Appendix E presents landfill gas data.
- Appendix F presents groundwater quality compliance data.

2. REQUIREMENTS OF FEDERAL REGISTER SITE-SPECIFIC RULE MAKING

On 18 July 2002, the USEPA promulgated a site-specific rule to implement this project under Project XL. This rule was published in the Federal Register and provides site-specific regulatory flexibility under the Resource Conservation and Recovery Act (RCRA) for the Maplewood Landfill. Part 258, Subpart D of the rule identifies 14 conditions that are to be met while leachate is recirculated at Maplewood Landfill. The remainder of this section addresses 12 of these conditions; the last two conditions are related to the duration of, and compliance with, the site specific rule.

1) *Item 1 relates to the integrity of the liner system and maintaining less than 30 cm of head on the liner system.* In accordance with Item 1, the integrity of the liner system was maintained during construction of the recirculation trenches and the leachate collection system has been maintained in good operating order. To date, the leachate collection records for the test and control areas indicate that the leachate collection system is functioning as intended. Additionally, there has not been an increase in the leachate collection rate in the secondary leachate collection system. It is noted that design calculations in the Permit Amendment Application [Geosyntec, 2007] showed that up to 10 million gallons of liquid per year could be added to the waste mass and that the head on the liner system would remain less than 30 cm. The liquid application rate is approximately 1.58 million gallons per year based on data between 20 August 2002 and 30 June 2010. During the period of this report, there was no leachate had been added. Based on the design calculations and the actual leachate recirculation rates, the head on the liner system is expected to be less than 30 cm. Additionally, the leachate collection system has been designed to operate such that the leachate removal pumps turn on before the head acting on the liner system reaches 30 cm.

   There are no apparent signs of slope movement based on daily observations at the site.

2) *Item 2 relates to the Code of Federal Regulations (CFR) Section 258.40.* In accordance with Item 2, the groundwater quality for this monitoring period has been monitored and analyzed at the compliance point. This analysis was performed and reported by Joyce Engineering, Inc. (Joyce Engineering); a

copy of Joyce Engineering's most recent report letter is presented in Appendix F. In the letter, Joyce Engineering states that lead has been detected at concentrations that exceed the current Maximum Contamination Level (MCL); however, it is noted that the detected concentrations were less than the facility background concentrations at the time of detection. Subsequently, Joyce Engineering determined that the concentrations were not statistically significant. As per VDEQ, the monitoring program at Maplewood Landfill, Permit No. 540, was allowed to continue in the Detection Monitoring Program.

3) *Item 3 relates to the occurrence of seeps at the landfill.* During this monitoring period, two minor seeps were observed at Maplewood landfill. One occurred on the western slope of Cell 3 in March and another occurred on the south side of Cells 1 and 2 in June. These seeps were short in duration and were repaired quickly. These seeps were not attribute to the leachate recirculation operation on site since there was no leachate had been added since March 2008.

4) *Item 4 relates to the leachate quality parameters to be analyzed as part of this project.* The evaluation of the key leachate quality parameters occurred at the frequency presented in the Final Project Agreement [Geosyntec, 2000] and the permit application for leachate recirculation submitted to VDEQ [Geosyntec, 2001]. The test results are discussed in Section 5.1. It should be noted that these parameters (or groups of parameters) have been analyzed in leachate samples collected from the test and control areas. Appendix A includes a summary of the leachate parameters that exceeded the MCL or were detected above the method detection limit. A complete set of laboratory results is available upon request.

5) *Item 5 relates to the quantity of leachate applied to the test area and the amount of leachate collected in the test and control areas of the landfill.* Leachate is applied to the test area at Maplewood Landfill in accordance with the Final Project Agreement [Geosyntec, 2000] and the permit application for leachate recirculation submitted to VDEQ [Geosyntec, 2001]. The quantities of leachate applied to the test area and the quantities collected from the test and control area are discussed in Section 5.1.

6) *Item 6 relates to an initial characterization of the liquid that was added to the test area.* An initial characterization of the leachate applied to the landfill was performed in August 2002. The results of this characterization indicated that the leachate is an acceptable liquid to add to the landfill. Between 1 January 2010 and 30 June 2010, there was no liquid added to the test area at Maplewood Landfill.

7) *Item 7 relates to the occurrence of landfill fires in the test area and the measurement of gas temperature at the wellheads.* The test area at Maplewood Landfill has been operated in a manner to prevent landfill fires from occurring and none have been observed during the project. The gas temperature at the wellheads is discussed in Section 5.2.

8) *Item 8 relates to topographic surveys at the site.* As shown in Table 1, two topographic survey events were scheduled during this reporting period (15 January 2010 and 5 April 2010). The results of the surveys are presented in Table 8.

9) *Item 9 relates to odor complaints resulting from liquid application events.* No odor complaints associated with the liquid application events were recorded at Maplewood Landfill during the reporting period.

10) *Item 10 relates to an initial waste characterization in the test area of the landfill.* A total of 5 borings were drilled in the summer of 2001. Three of these borings were in the control area and two were in the test area. The results of this testing indicated that the waste in the test and control areas is typical MSW. Subsequent solid waste sampling events were conducted in early 2004 and late 2005.

11) *Item 11 relates to the preparation of semi-annual reports to the EPA Regional Administrator.* Previous monitoring reports were submitted on 8 May 2003, 17 July 2003, 19 January 2004, 18 July 2004, 18 January 2005, 18 July 2005, 18 January 2006, 18 July 2006, 18 January 2007, 18 July 2007, 18 January 2008, 18 July 2008, 18 January 2009, 18 July 2009, and 18 January 2010. This report addresses the first half of 2010.

12) *Item 12 relates to additional landfill gas monitoring.* The monitoring requirements for the New Source Performance Standards (NSPS) and the

Title V Air Permit for the site were met during the monitoring period. Copies of the surface scans are presented in Appendix E. Surface scan exceedences were recorded during 1st quarter of 2010. Remediation measures were taken by placing and compacting additional cover soils on cover and sealing the landfill gas well base according to 40 CFR 60.755. No exceedences were observed during the 10-day and one month follow-up monitoring. No exceedences were observed during 2nd quarter of 2010.

3. REQUIREMENTS OF VDEQ EXPERIMENTAL PERMIT

On 23 October 2007, VDEQ issued a permit amendment allowing expanded bioreactor operations at the Maplewood Landfill. Permit module I.F. of the permit amendment issued 23 October 2007 identifies several site specific conditions that must be met while leachate is recirculated at Maplewood Landfill. The remainder of this section addresses each of these conditions.

1) *Item I.F.1 relates to the renew requirement to Operate Experimental Bioreactor Process.* Renewal request shall be submitted to VDEQ each year, no later than 90 days before the annual anniversary date of the permit.

2) *Item I.F.2 relates to the expansion of the experimental area.* The test area can be expanded to 30 acres to include Phase 3 and 4 after the Final Project Agreement (FPA) is modified by the USEPA and proper notification of the VDEQ and the approval of the VDEQ.

3) *Item I.F.3 relates to the expiration of the experimental permit and request for a full permit amendment.* This report presents the data obtained during the first half of calendar year 2010. VDEQ granted the Permit Amendment Approval allows WMVA to continue bioreactor operation on an annually renewable basis. The permit requires a renewal request to be submitted each year, no later than 90 days before the annual anniversary date of the permit.

4) *Item I.F.4 relates to the permitted landfill bioreactor area, Phases 1 and 2.* In accordance with the permit requirements, the liquid application trenches were constructed in Phases 1 and 2, and liquid was applied only in this part of the landfill.

5) *Item I.F.5 relates to the monitoring, sampling, and reporting requirements.* In accordance with Item I.F.4, the monitoring was completed as identified in Permit Attachment IIB-2. Previous monitoring reports were submitted on 8 May 2003, 17 July 2003, 19 January 2004, 18 July 2004, 18 January 2005, 18 July 2005, 18 January 2006, 18 July 2006, 18 January 2007, 18 July 2007, 18 January 2008, 18 July 2008, 18 January 2009, 18 July 2009, and 18 January 2010.

6) *Item I.F.6 relates to the Title V Air Permit Issued 10 January 2002 and the New Source Performance Standards Subpart WWW.* In accordance with Item I.F.5, WMVA complied with the regulations identified in the Title V Air Permit and the NSPS Subpart WWW.

7) *Item I.F.7 relates to managing leachate as a hazardous waste if the characterization of leachate indicates it is hazardous in accordance with Virginia Hazardous Waste Management Regulations (9 VAC 20-60-10).* (It should be noted that leachate is not explicitly listed as a hazardous waste in the Virginia Hazardous Waste Management Regulations). The laboratory results for the leachate samples obtained in February 2010 indicate that the leachate at Maplewood Landfill is not a hazardous waste.

8) *Item I.F.8 relates to the monitoring of leachate head over the liner at its lowest disposal point to ensure that no more than 1 foot of head of leachate accumulated over the liner.* The issue of hydraulic head acting on the liner system is addressed in Section 2, Item 1.

9) *Item I.F.9 relates to the closure of the bioreactor landfill area.* At this time, WMVA plans to continue bioreactor operations in Phases 1 and 2 at Maplewood Landfill. In accordance with Item I.F.8, WMVA will notify VDEQ at least 180 days prior to the anticipated date of closing.

4. MONITORING PROGRAM AND SAMPLING AND ANALYSIS ACTIVITIES

4.1 Monitoring Program

Project XL monitoring activities at the Maplewood Landfill consist of documenting the quality and quantity of leachate, landfill gas (LFG), and solid waste in the test and control areas. A detailed description of the monitoring activities for the Project XL program is presented in the document entitled, *"Monitoring, Sampling, and Analysis Plan"* (Monitoring Plan) [Geosyntec, 2001], which is contained in the permit application submitted to VDEQ. As part of the USEPA Project XL program and VDEQ permit requirements, a series of site-specific rules and monitoring requirements have been developed. The USEPA site-specific rule appeared in the Federal Register on 18 July 2002; compliance with these requirements were addressed in Section 2 of this report. The VDEQ site-specific permit requirements appeared in the state permit amendment issued for the site on 23 October 2007; compliance with these requirements were addressed in Section 3 of this report. Table 1 shows the planned schedule for the 2010 monitoring events; Table 2 summarizes the dates and sampling events that have occurred to date.

Leachate monitoring events include collecting leachate samples from the control area and the test area for subsequent laboratory analysis. LFG monitoring events include measuring LFG composition at the wellheads in the control and test areas, obtaining LFG composition samples from the headers of the LFG collection system, and performing a surface scan to measure surface emissions. The solid waste monitoring event includes obtaining waste samples for subsequent analysis. In addition to these field monitoring events, leachate generation volumes, liquid application volumes, and landfill settlement are monitored.

The purpose of the monitoring program is to evaluate the performance of the landfill bioreactor throughout the duration of the project. The evaluation is based on the following performance criteria:

- leachate quality and quantity;
- LFG quality and quantity; and
- solid waste decomposition/stabilization.

The manner in which these criteria are being evaluated is described in the following three subsections.

4.1.1 Leachate Quality and Quantity

Sampling activities are conducted in both the test area and control area. Leachate sampling was conducted in Phases 1, 2, 3, 4, and at the leachate storage tank, according to the frequency described in Table 1. Leachate samples are collected by filling the appropriate sample bottles directly from the sampling ports from the primary leachate collection system for the respective phase being sampled. The sampling ports for each of the primary leachate collection systems are located within the vault/riser house of the leachate collection system for each phase. The specific parameters measured, and the associated test methods, are provided in Table 3. Key parameters that identify the presence of biological processes in the landfill have been identified and include: (i) Biological Oxygen Demand (BOD); (ii) Chemical Oxygen Demand (COD); (iii) Total Organic Carbon (TOC); (iv) Chloride; (v) Sulfate; (vi) Nitrate as Nitrogen; and (vii) Ammonia as Nitrogen (Pohland and Harper, 1986). From these indicators, a qualitative inference can be made regarding the degree of organic composition of landfill wastes.

In addition to evaluating the leachate quality in the landfill over time, the amount of liquid added to the leachate recirculation trenches and the amount of leachate collected in the leachate collection sumps was recorded.

4.1.2 Landfill Gas Quality and Quantity

Measurements of LFG quality are obtained from composite samples collected from the LFG control system. The parameters measured and the test methods for LFG monitoring and sampling are described in the Monitoring Plan [Geosyntec, 2001]. LFG samples for analysis of non methane organic compounds (NMOCs) were obtained in accordance with the requirements of USEPA Method 25. LFG samples obtained for analysis of volatile organic compounds (VOCs) were obtained in accordance with USEPA Method TO-14.

LFG monitoring is performed at each of the existing LFG wells to monitor activity within the test and control areas. Measurements of methane (CH_4), oxygen (O_2), carbon dioxide (CO_2), temperature, and flow rate were obtained from each gas well using portable field instruments, (i.e., a Landtech GEM 500). Hydrogen sulfide (H_2S) measurements were obtained using a GasTech GT-2 Hydrogen sulfide detector.

Surface emissions monitoring is performed in accordance with the requirements specified by the NSPS and Emissions Guidelines (EG) for MSW landfills [40 CFR

60.755]. Methane concentrations were measured within 5 to 10 centimeters (2 to 4 inches) from the landfill surface in the test and control areas.

4.1.3 Solid Waste Decomposition/Stabilization

To evaluate the degree of decomposition of the solid waste, a series of borings are drilled in the test and control areas according to an agreed regular schedule Solid waste samples obtained from these borings are evaluated for: (i) moisture content; (ii) cellulose; (iii) lignin; (iv) pH; and (v) biochemical methane potential (BMP). The moisture content is the percentage of water that is present in the waste. Cellulose is the portion of the volatile solids that will degrade over time; lignin is the portion of the volatile solids that will not degrade. Biochemical methane potential is a measure of how much methane the waste may generate.

A secondary method of evaluating waste decomposition is to measure waste settlement in both the test area and the control area. Regular topographic surveys are conducted and the cumulative settlement is analyzed.

4.2 Sampling and Analytical Activities

The overall monitoring and sampling program was implemented by Geosyntec with sampling performed by Joyce Engineering, Golder Associates (Golder) and WMVA site personnel.

4.2.1 Leachate Quality

Leachate samples from the test and control areas were obtained on February 2010 by Joyce Engineering. Leachate samples were collected from sumps in Phases 1, 2, 3, 4, and the leachate storage tank using the field sampling procedures described in the Monitoring Plan contained in the permit application for leachate recirculation at the site [Geosyntec, 2001].

Leachate samples were analyzed by Geochemical Testing, Inc., and were tested for the parameters listed in Table 3. A summary of the leachate parameters that exceeded the MCL or were detected at concentrations above the method detection limit is provided in Appendix A. Analytical results for the key parameters identified in Section 4.1 are presented in Table 5. Also included in Table 5 are the parameters listed in the Federal Register site-specific rule (i.e., wet chemistry parameters, heavy metals, and common ions). The test results for the organic priority pollutants are not anticipated to indicate

the overall performance of the test area and are not presented in Table 5 at this time. Section 5.1 of this report discusses the leachate quality data.

4.2.2 Landfill Gas Quality and Quantity

The LFG samples were collected using the procedures described in the Monitoring Plan contained in the permit application for leachate recirculation at the site [Geosyntec, 2001]. These activities were conducted by Golder or WMVA according to the schedule presented in Table 2. The LFG composition at the wellheads in the test and control areas was monitored for the percentages of oxygen, carbon dioxide, methane, flow rate, and temperature. The LFG composition at the well heads measured during the field sampling events is summarized in Table 4. Drawing 2 shows the LFG monitoring plan.

4.2.3 Waste Sampling

Prior to construction of the leachate recirculation system, a series of exploratory borings were drilled in both the test and control areas in August and September 2001. Samples of solid waste were collected from a variety of depths at each boring location. The solid waste samples collected during the field activities were sent to Virginia Tech for analysis of moisture content, lignin, cellulose, pH, and BMP. Subsequent solid waste sampling events were conducted in January 2004 and November 2005. No waste sampling was conducted during the period covered by this report.

4.3 Other Data

4.3.1 Leachate Generation Quantities

Leachate flow from the test area (Phases 1 and 2) and the control area (Phases 3 and 4) was measured weekly during this reporting period by WMVA site personnel using flowmeters that are installed in the leachate riser vaults near each cell. The quantities of leachate generated by each phase are presented in Table 6.

4.3.2 Quantity of Liquid Applied to Landfill

The amount of liquid added to each trench in the test area was recorded by WMVA site personnel. A summary of the liquid added to the landfill is presented in Table 7. Daily liquid application logs for each trench are provided in Appendix B. Trench monitoring logs are provided in Appendix C.

4.3.3 Landfill Settlement

A series of topographic surveys of the test and control areas have been performed by Flora Surveying Associates. An approximately 100-ft grid system was established, with the elevation measured at the same locations over time. A summary table containing the point identification number, northing, easting, elevations for the survey data collected dated on 15 January 2010 and 5 April 2010, and calculated point settlement between survey events is presented in Table 8. Drawing 3 shows the settlement monitoring plan.

5. DATA ANALYSIS

5.1 Leachate Quantity and Quality

Liquid application at the Maplewood Landfill commenced on 20 August 2002. To date, leachate generated from within the landfill is the only liquid that has been added to the test area. Figure 2 presents the cumulative liquid application volume versus time and the collected leachate volume. For reference, the target rate of 4 million gallons per year (333,300 gallons per month or 11,000 gallons per day) is also presented. Between 1 January 2010 and 30 June 2010, no leachate was applied to the test area.

Table 9 shows the average monthly and total precipitation during the first half of calendar year 2010, as well as the monthly and annual departure from normal (data are for Richmond, Virginia). During the first half of calendar year 2010, the geographic region in which the landfill is situated received 18.66 inches of rain, which is approximately 2.64 inches less than the historical average of 21.3 inches typically recorded for this six month period.

The amount of leachate collected from the test and control areas during the operation of the liquid application system during this reporting period was 231,914 and 1,150,379 gallons, respectively. The total amount of leachate that has been collected in the test and control areas since inception of this project in August 2002 is 2,340,313 and 9,761,056 gallons, respectively. Although far more leachate has been collected from the control area than the test area at Maplewood Landfill, it should be noted that: (i) the average monthly leachate collection rates for the test and control areas prior to the start of leachate recirculation was 15,720 gallons and 102,000 gallons, respectively; and (ii) the outward facing side slopes of the test area have been capped with the final cover system, thereby limiting the amount of infiltration and subsequent leachate generation, while in the control area only temporary soil capping has been applied.

In examining Figure 2, there does not appear to be a correlation between the amount of liquid applied to the landfill and the amount of leachate collected in the leachate collection system. This indicates that, at the present time, the waste in the test area has not yet reached its absorptive capacity.

Figures 3 through 7 show temporal variations in the BOD:COD ratio and COD:TOC ratio in leachate, as well as the concentrations of chloride, nitrate nitrogen, and ammonia nitrogen. These figures represent the key leachate parameters identified in Table 5. To date, it has not been possible to clearly identify consistent trends in the data

nor significant differences between leachate data from the test and control areas. However, as shown in Figures 7, the concentrations of ammonia in the test area continue to be consistently lower than their concentrations in the control area. Two possible reasons for this are that (i) the test and control areas appear to have distinct leachate characteristics and (ii) the leachate added to the test area does not appear to have reached the leachate collection system. As previously reported, it should be noted that the BOD concentrations of leachate samples from both the test and control areas continue to be indicative of lower bound values for typical landfill leachate of 20 mg/l to 35,000 mg/l [Kjeldsen et al., 2003].

It should also be noted that leachate recirculation into the bioreactor cell comes from leachate storage tanks which combine leachate from all cells at Maplewood. Therefore leachate recirculation in the bioreactor cell does not represent Phase 1 and 2 leachate which has been sequentially re-injected into the bioreactor, but is a mixture, that is dominated by leachate from non-bioreactor disposal area.

Additional data related to the leachate quality results is presented in Appendix A. The tables in Appendix A summarize the detected leachate parameters and highlight those that exceeded the MCL or method detection limits.

5.2 Landfill Gas Quality and Quantity

Table 4 summarizes monthly variations in composition and temperature of LFG measured at selected wellheads located within the test and control areas at the landfill. Wellhead locations are shown on Drawing 2. LFG data from wellheads were provided for this monitoring period. Observed methane, carbon dioxide, and oxygen concentrations measured at the wellheads indicate that there were no landfill fires within the test or control areas.

Historic trends in the LFG flow rates at each wellhead are shown in Figure 8. None of the data presented in Figure 9 show consistent behavioral trends; however, the flow rates appear to fluctuate in a similar manner with time.

Figure 9 shows the percentage of methane in LFG at the wells in the test and control areas. The concentration of methane present in LFG at all sampled wellheads had remained relatively consistent for a period of 12 months at 50 - 60 percent by volume. At the current time, therefore, there does not appear to be a clear difference between LFG methane concentrations in the test and control areas.

Figure 10 shows the percentage of carbon dioxide in LFG at the wells in the test and control areas. The concentration of carbon dioxide in LFG at all sampled wellheads had remained relatively consistent over a period of 12 months at 35 – 45 percent. At this time, therefore, there is not a clear difference in the amount of carbon dioxide present in LFG in the test and control areas.

5.3 Solid Waste Analysis

Solid waste samples were obtained from the test and control areas of the landfill during August and September 2001, January 2004, and November 2005. Table 10 summarizes the baseline solid waste sampling results from the field work performed in the summer of 2001, January 2004, and November 2005. The samples obtained in November 2005 continue to show an increase in the moisture content of the waste. No additional data were collected during this monitoring period.

6. SUMMARY

This report has provided a summary of the monitoring activities at the Maplewood Landfill as part of the leachate recirculation operations conducted under the USEPA's XL program. The test program has been operating for approximately 8 years, however, conclusions regarding the performance of the test area at the landfill cannot be provided at this time. For this reason, the following general comments are offered based on field observations and review of the data collected to date.

- Leachate recirculation has been performed without adverse environmental impacts (i.e., excessive odors, slope stability problems, or significant seepage problems).
- Using the operational techniques identified in the Project XL program for Maplewood Landfill, the anticipated benefits or clear trends in the condition of the test versus control areas (i.e., increased settlement, improved leachate quality, and improved LFG quality) cannot be quantified at this time.

On 23 October 2007, the Permit Amendment Approval has been issued by VDEQ, which allows WMVA continues the Maplewood Bioreactor practice on an annually renewable basis.

7. REFERENCES

Geosyntec Consultants "*Project XL – Final Project Agreement for Landfill Bioreactor Systems – King George County Landfill and Recycling Center and Maplewood Recycling and Waste Disposal Facility*", dated 28 September 2000.

Geosyntec Consultants "*Permit Amendment Application, Maplewood Recycling and Waste Disposal Facility, Amelia County, Virginia, VADEQ Solid Waste Permit No. 540"*, Maplewood Recycling and Waste Disposal Facility, dated February 2006, revised February 2007.

Geosyntec Consultants "*Landfill Bioreactor Project Application for Permit Amendment for Experimental Permit"*, Maplewood Recycling and Waste Disposal Facility, dated 19 September 2001.

Kjeldsen, P., Barlaz, M.P., Rooker, A.P., Baun, A., Ledin, A., and Christensen, T.H., 2003, "*Present and Long-Term Composition of MSW Landfill Leachate: A Revie*w", Critical Reviews in Environmental Science and Technology, 32 (4), pp. 297-336.

Pohland, F.G., and Harper, S.R., 1986, "*Critical Review and Summary of Leachate and Gas Production From Landfills*", EPA/600/2-86/073, U.S. Environmental Protection Agency, Cincinnati, Ohio.

Title 40, Code of Federal Regulations, Part 6

TABLES

TABLE 1
PLANNED 2010 MONITORING ACTIVITIES
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

	Monitoring Parameters	Responsible Party	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1. LEACHATE	Chemical parameters measured on site	WM personnel	X						X					
	Physical parameters measured on site	WM personnel	X	X	X	X	X	X	X	X	X	X	X	X
	Chemical parameters sampled on site from test area	Sampled by subcontractor, tested offsite by Geochemical	X						X					
	Chemical parameters sampled on site from storage tanks	Sampled by subcontractor, tested offsite by Geochemical	X						X					
2. LANDFILL GAS	Landfill gas composition measured on site	WM personnel	X	X	X	X	X	X	X	X	X	X	X	X
	Physical parameters measured on site	WM personnel	X	X	X	X	X	X	X	X	X	X	X	X
	Chemical parameters	WM personnel, testing by subcontractor												
	Surface landfill gas measured on site	Subcontractor	X						X					
3. SOLID WASTE	Survey, on site	Subcontractor	X			X			X			X		
	Solid waste stabilization and decomposition measured on site	WM personnel												

TABLE 2
SUMMARY OF SAMPLING ACTIVITIES
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

Date	Sampling Event
8/2/2002	Topographical site survey
8/12/2002	Background leachate and landfill gas sampling
9/12/2002	Monthly landfill gas sampling
9/13/2002	Monthly leachate sampling
10/17/2002	Monthly landfill gas sampling
10/24/2002	Topographical site survey
10/28/2002	Monthly leachate sampling
11/20/2002	Monthly leachate sampling
11/21/2002	Monthly landfill gas sampling
12/18/2002	Monthly landfill gas sampling
12/26/2002	Monthly leachate sampling
1/23/2003	Monthly leachate sampling
1/28/2003	Monthly landfill gas sampling
2/15/2003	Monthly landfill gas sampling
3/10/2003	Topographical site survey
3/16/2003	Monthly landfill gas sampling
4/16/2003	Quarterly leachate sampling
5/21/2003	Monthly landfill gas sampling
6/9/2003	Topographical site survey
6/22/2003	Monthly landfill gas sampling
7/8/2003	Quarterly landfill gas sampling
7/16/2003	Quarterly leachate sampling
8/27/2003	Monthly landfill gas sampling
9/10/2003	Monthly landfill gas sampling
10/23/2003	Monthly landfill gas sampling
10/29/2003	Quarterly leachate sampling
11/21/2003	Monthly landfill gas sampling
12/19/2003	Monthly landfill gas sampling
1/5/2004	Annual solid waste sampling
1/8/2004	Monthly landfill gas sampling
1/12/2004	Topographical site survey
1/22/2004	Quarterly leachate sampling
2/10/2004	Monthly landfill gas sampling
3/10/2004	Monthly landfill gas sampling
3/18/2004	Topographical site survey
4/9/2004	Monthly landfill gas sampling
5/6/2004	Monthly landfill gas sampling
6/11/2004	Monthly landfill gas sampling
7/22/2004	Semi-annual leachate sampling
8/16/2004	Monthly landfill gas sampling
8/28/2004	Semi-annual landfill gas sampling
9/15/2004	Monthly landfill gas sampling
10/8/2004	Monthly landfill gas sampling
11/19/2004	Monthly landfill gas sampling
12/7/2004	Monthly landfill gas sampling
1/25/2005	Monthly landfill gas sampling
1/3/2005	Topographical site survey
1/31/2005	Semi-annual leachate sampling
2/9/2005	Monthly landfill gas sampling
3/23/2005	Monthly landfill gas sampling
4/6/2005	Monthly landfill gas sampling
4/21/2005	Topographical site survey
5/12/2005	Monthly landfill gas sampling
6/8/2005	Monthly landfill gas sampling
7/21/2005	Monthly landfill gas sampling
7/21/2005	Semi-annual leachate sampling
8/16/2005	Monthly landfill gas sampling
9/12/2005	Monthly landfill gas sampling
10/17/2005	Topographical site survey
10/20/2005	Monthly landfill gas sampling
11/2/2005	Monthly landfill gas sampling
12/15/2005	Monthly landfill gas sampling
12/28/2005	Topographical site survey
1/31/2006	Semi-annual leachate sampling
3/7/2006	Surface Emission Scan
2/8/2006	Monthly landfill gas sampling
3/23/2006	Monthly landfill gas sampling
4/27/2006	Monthly landfill gas sampling
5/24/2006	Monthly landfill gas sampling
6/13/2006	Monthly landfill gas sampling
7/13/2006	Topographical site survey
7/25/2006	Semi-annual leachate sampling
7/26/2006	Monthly landfill gas sampling
8/24/2006	Monthly landfill gas sampling
8/29/2006	Surface Emission Scan
9/28/2006	Monthly landfill gas sampling
10/1/2006	Groundwater Monitoring
10/17/2006	Surface Emission Scan
10/20/2006	Monthly landfill gas sampling
11/17/2006	Monthly landfill gas sampling
12/18/2006	Monthly landfill gas sampling

Date	Sampling Event
1/24/2007	Semi-annual leachate sampling
1/23/2007	Surface Emission Scan
1/18/2007	Monthly landfill gas sampling
2/22/2007	Monthly landfill gas sampling
3/15/2007	Monthly landfill gas sampling
4/10/2007	Monthly landfill gas sampling
5/9/2007	Monthly landfill gas sampling
6/8/2007	Monthly landfill gas sampling
3/27/2007	Topographical site survey
5/29/2007	Groundwater Monitoring
7/5/2007	Semi-annual leachate sampling
7/11/2007	Monthly landfill gas sampling
8/8/2007	Monthly landfill gas sampling
9/17/2007	Monthly landfill gas sampling
10/12/2007	Monthly landfill gas sampling
11/28/2007	Monthly landfill gas sampling
12/14/2007	Monthly landfill gas sampling
7/9/2007	Topographical site survey
11/13/2007	Topographical site survey
8/29/2007	Surface Emission Scan
9/7/2007	Surface Emission Scan
9/17/2007	Surface Emission Scan
9/26/2007	Surface Emission Scan
7/5/2007	Groundwater Monitoring
1/31/2008	Semi-annual leachate sampling
1/8/2008	Monthly landfill gas sampling
2/20/2008	Monthly landfill gas sampling
3/18/2008	Monthly landfill gas sampling
4/16/2008	Monthly landfill gas sampling
5/7/2008	Monthly landfill gas sampling
6/3/2008	Monthly landfill gas sampling
2/7/2008	Topographical site survey
4/8/2008	Topographical site survey
3/24/2008	Surface Emission Scan
6/3/2008	Groundwater Monitoring
7/16/2008	Semi-annual leachate sampling
7/2/2008	Monthly landfill gas sampling
8/11/2008	Monthly landfill gas sampling
9/3/2008	Monthly landfill gas sampling
10/2/2008	Monthly landfill gas sampling
11/6/2008	Monthly landfill gas sampling
12/3/2008	Monthly landfill gas sampling
7/16/2008	Topographical site survey
10/30/2008	Topographical site survey
5/20/2008	2Q 2008 Surface Emission Scan
5/29/2008	2Q 2008 Surface Emission Scan (10-day follow-up)
6/19/2008	2Q 2008 Surface Emission Scan (one month follow-up)
7/22/2008	3Q 2008 Surface Emission Scan
11/21/2008	Groundwater Monitoring
1/14/2009	Semi-annual leachate sampling
1/7/2009	Monthly landfill gas sampling
2/4/2009	Monthly landfill gas sampling
3/5/2009	Monthly landfill gas sampling
4/6/2009	Monthly landfill gas sampling
5/5/2009	Monthly landfill gas sampling
6/8/2009	Monthly landfill gas sampling
1/15/2009	Topographical site survey
4/15/2009	Topographical site survey
3/7/2009	Surface Emission Scan (Initial)
3/17/2009	Surface Emission Scan (10-day follow-up)
3/27/2009	Surface Emission Scan (2nd 10-day follow-up)
4/6/2009	Surface Emission Scan (one month follow-up)
6/30/2009	Groundwater Monitoring
7/22/2009	Semi-annual leachate sampling
7/2/2009	Monthly landfill gas sampling
8/5/2009	Monthly landfill gas sampling
9/2/2009	Monthly landfill gas sampling
10/7/2009	Monthly landfill gas sampling
11/17/2009	Monthly landfill gas sampling
12/8/2009	Monthly landfill gas sampling
7/14/2009	Topographical site survey
10/2/2009	Topographical site survey
8/12/2009	Surface Emission Scan (3Q 2009)
11/2009	Surface Emission Scan (4Q 2009)
12/15/2009	Groundwater Monitoring
2/11/2010	Semi-annual leachate sampling
1/8/2010	Monthly landfill gas sampling
2/20/2010	Monthly landfill gas sampling
3/28/2010	Monthly landfill gas sampling
4/16/2010	Monthly landfill gas sampling
5/7/2010	Monthly landfill gas sampling
6/3/2010	Monthly landfill gas sampling
1/15/2010	Topographical site survey
4/5/2010	Topographical site survey
3/9/2010	Surface Emission Scan (1Q 2010)
6/2010	Surface Emission Scan (2Q 2010)
6/3/2010	Groundwater Monitoring

TABLE 3
LEACHATE ANALYSIS PARAMETERS
Project XL
Maplewood Recycling and Waste Disposal Facility
Ameila County, Virginia

Parameter	Method	Parameter	Method
Cadmium	EPA 200.7	Bromochloromethane	EPA 8260B
Potassium	EPA 200.7	Bromomethane	EPA 8260B
Chloride	EPA 325.2	Carbon Disulfide	EPA 8260B
Ammonia Nitrogen	EPA 350.1	Carbon Tetrachloride	EPA 8260B
Total Kjeldahl Nitrogen	EPA 351.3	Chlorobenzene	EPA 8260B
Nitrate Nitrogen	EPA 353.2	Chlorodibromomethane	EPA 8260B
Phosphorus, ortho	EPA 365.2	Chloroethane	EPA 8260B
Phosphorus, total	EPA 365.2	Chloromethane	EPA 8260B
Sulfate	EPA 375.4	cis-1,2-Dichloroethene	EPA 8260B
Arsenic	EPA 6010 B	cis-1,3-Dichloropropene	EPA 8260B
Barium	EPA 6010 B	Dibromomethane	EPA 8260B
Chromium	EPA 6010 B	Dichlorobromomethane	EPA 8260B
Lead	EPA 6010 B	Dichlorodifluoromethane	EPA 8260B
Selenium	EPA 6010 B	Ethyl Methacrylate	EPA 8260B
Silver	EPA 6010 B	Ethylbenzene	EPA 8260B
Mercury	EPA 7470	Iodomethane	EPA 8260B
1,2-Dibromo-3-chloropropane	EPA 8011	Methacrylonitrile	EPA 8260B
1,2-Dibromoethane	EPA 8011	Methyl Ethyl Ketone	EPA 8260B
1,1,1,2-Tetrachloroethane	EPA 8260B	Methyl methacrylate	EPA 8260B
1,1,1-Trichloroethane	EPA 8260B	Methylene Chloride	EPA 8260B
1,1,2,2-Tetrachloroethane	EPA 8260B	Propionitrile	EPA 8260B
1,1,2-Trichloroethane	EPA 8260B	Styrene	EPA 8260B
1,1-Dichloroethane	EPA 8260B	Tetrachloroethene	EPA 8260B
1,1-Dichloroethene	EPA 8260B	Toluene	EPA 8260B
1,1-Dichloropropene	EPA 8260B	Total Xylene	EPA 8260B
1,2,3-Trichloropropane	EPA 8260B	trans-1,2-Dichloroethene	EPA 8260B
1,2-Dichlorobenzene	EPA 8260B	trans-1,3-Dichloropropene	EPA 8260B
1,2-Dichloroethane	EPA 8260B	trans-1,4-Dichloro-2-butene	EPA 8260B
1,2-Dichloropropane	EPA 8260B	Tribromomethane	EPA 8260B
1,3-Dichlorobenzene	EPA 8260B	Trichloroethene	EPA 8260B
1,3-Dichloropropane	EPA 8260B	Trichlorofluoromethane	EPA 8260B
1,4-Dichlorobenzene	EPA 8260B	Trichloromethane	EPA 8260B
2,2-Dichloropropane	EPA 8260B	Vinyl Acetate	EPA 8260B
2-chloro-1,3-butadiene	EPA 8260B	Vinyl Chloride	EPA 8260B
2-Hexanone	EPA 8260B	1,2,4,5-Tetrachlorobenzene	EPA 8270C
2-Methyl-1-propanol	EPA 8260B	1,2,4-Trichlorobenzene	EPA 8270C
3-Chloro-1-Propene	EPA 8260B	1,3-Dinitrobenzene	EPA 8270C
4-Methyl-2-Pentanone	EPA 8260B	1,4-Naphthoquinone	EPA 8270C
Acetone	EPA 8260B	1-Naphthylamine	EPA 8270C
Acetonitrile	EPA 8260B	1-Nitrosopiperidine	EPA 8270C
Acrolein	EPA 8260B	2,3,4,6-Tetrachlorophenol	EPA 8270C
Acrylonitrile	EPA 8260B	2,4,5-Trichlorophenol	EPA 8270C
Benzene	EPA 8260B	2,4,6-Trichlorophenol	EPA 8270C

TABLE 3
LEACHATE ANALYSIS PARAMETERS
Project XL
Maplewood Recycling and Waste Disposal Facility
Ameila County, Virginia

Parameter	Method	Parameter	Method
2,4-Dichlorophenol	EPA 8270C	Dibenzofuran	EPA 8270C
2,4-Dimethylphenol	EPA 8270C	Diethyl Phthalate	EPA 8270C
2,4-Dinitrophenol	EPA 8270C	Dimethoate	EPA 8270C
2,4-Dinitrotoluene	EPA 8270C	Dimethyl Phthalate	EPA 8270C
2,6-Dichlorophenol	EPA 8270C	Di-N-Butyl Phthalate	EPA 8270C
2,6-Dinitrotoluene	EPA 8270C	Di-N-Octylphthalate	EPA 8270C
2-Acetylaminofluorene	EPA 8270C	Di-n-propylnitrosamine	EPA 8270C
2-Chloro-Naphthalene	EPA 8270C	Diphenylamine	EPA 8270C
2-Chlorophenol	EPA 8270C	Disulfoton	EPA 8270C
2-Methyl-4,6-dinitrophenol	EPA 8270C	Ethyl Methanesulfonate	EPA 8270C
2-Methylnaphthalene	EPA 8270C	Famphur	EPA 8270C
2-Naphthylamine	EPA 8270C	Fluoranthene	EPA 8270C
2-Nitroaniline	EPA 8270C	Fluorene	EPA 8270C
2-Nitrophenol	EPA 8270C	Hexachlorobenzene	EPA 8270C
3,3-Dichlorobenzidine	EPA 8270C	Hexachlorobutadiene	EPA 8270C
3,3'-Dimethylbenzidine	EPA 8270C	Hexachlorocyclopentadiene	EPA 8270C
3-Methylcholanthrene	EPA 8270C	Hexachloroethane	EPA 8270C
3-Nitroaniline	EPA 8270C	Hexachloropropene	EPA 8270C
4-Aminobiphenyl	EPA 8270C	Indeno(1,2,3-cd)pyrene	EPA 8270C
4-Bromophenylphenylether	EPA 8270C	Isodrin	EPA 8270C
4-Chloro-3-methylphenol	EPA 8270C	Isophorone	EPA 8270C
4-Chloroaniline	EPA 8270C	Isosafrole	EPA 8270C
4-Chlorophenylphenylether	EPA 8270C	m,p-Cresol	EPA 8270C
4-Nitroaniline	EPA 8270C	Methapyrilene	EPA 8270C
4-Nitrophenol	EPA 8270C	Methyl Methanesulfonate	EPA 8270C
5-Nitro-o-toluidine	EPA 8270C	Methyl Parathion	EPA 8270C
7,12Dimethylbenz(a)-anthracene	EPA 8270C	Naphthalene	EPA 8270C
Acenaphthene	EPA 8270C	Nitrobenzene	EPA 8270C
Acenaphthylene	EPA 8270C	N-Nitrosodibutylamine	EPA 8270C
Acetophenone	EPA 8270C	N-Nitrosodiethylamine	EPA 8270C
Anthracene	EPA 8270C	n-Nitrosodimethylamine	EPA 8270C
Benzo(a)anthracene	EPA 8270C	n-Nitrosodiphenylamine	EPA 8270C
Benzo(a)pyrene	EPA 8270C	N-Nitrosomethylethylamine	EPA 8270C
Benzo(b)fluoranthene	EPA 8270C	N-Nitrosopyrrolidine	EPA 8270C
Benzo(ghi)perylene	EPA 8270C	o,o,o-Triethylphosphothioate	EPA 8270C
Benzo(k)fluoranthene	EPA 8270C	o-Cresol	EPA 8270C
Benzyl Alcohol	EPA 8270C	o-Toluidine	EPA 8270C
bis(2-Chloroethoxy)methane	EPA 8270C	Parathion	EPA 8270C
bis(2-Chloroethyl)ether	EPA 8270C	p-Dimethylaminoazobenzene	EPA 8270C
bis(2-Chloroisopropyl)ether	EPA 8270C	Pentachlorobenzene	EPA 8270C
bis(2-Ethylhexyl)phthalate	EPA 8270C	Pentachloronitrobenzene	EPA 8270C
Butyl benzylphthalate	EPA 8270C	Phenacetin	EPA 8270C
Chlorobenzilate	EPA 8270C	Phenanthrene	EPA 8270C
Chrysene	EPA 8270C	Phenol	EPA 8270C
Diallate	EPA 8270C	Phorate	EPA 8270C
Dibenzo(a,h)anthracene	EPA 8270C	p-Phenylenediamine	EPA 8270C

TABLE 3
LEACHATE ANALYSIS PARAMETERS
Project XL
Maplewood Recycling and Waste Disposal Facility
Ameila County, Virginia

Parameter	Method	Parameter	Method
Pronamide	EPA 8270C	Endrin Aldehyde	EPA 8081
Pyrene	EPA 8270C	Gamma BHC (Lindane)	EPA 8081
Safrole	EPA 8270C	Heptachlor	EPA 8081
sym-Trinitrobenzene	EPA 8270C	Heptachlor epoxide	EPA 8081
Thionazin	EPA 8270C	Methoxychlor	EPA 8081
Chemical Oxygen Demand	HACH 8000	Toxaphene	EPA 8081
Total dissolved solids	SM 2540C	2,4,5-T	EPA 8151A
Nitrite Nitrogen	SM 4500-NO2B	2,4-D	EPA 8151A
BOD 5-day	SM 5210B	Dinoseb	EPA 8151A
Total Organic Carbon	SM 5310C	Pentachlorophenol	EPA 8151A
Aldrin	EPA 8081	Silvex	EPA 8151A
Alpha BHC	EPA 8081	Pyruvic	
Beta BHC	EPA 8081	Lactic	
Chlordane	EPA 8081	Formic	
DDD	EPA 8081	Acetic	
DDE	EPA 8081	Proprionic	
DDT	EPA 8081	Butyric	
Delta BHC	EPA 8081		
Dieldrin	EPA 8081		
Endosulfan I	EPA 8081		
Endosulfan II	EPA 8081		
Endosulfan Sulfate	EPA 8081		
Endrin	EPA 8081		

Note

This list of parameters was developed from the Monitoring, Sampling, and Analysis Report included in the permit amendment submitted in October 2001.

TABLE 4
LANDFILL GAS DATA
Maplewood Recycling and Waste Disposal Facility, Project XL
Amelia County, Virginia

LFG WELL 1 (TEST AREA)

Parameter	Sep-02	Oct-02	Nov-02	Dec-02	Jan-03	Apr-03	Jun-03	Aug-03	Sep-03	Oct-03	Nov-03	Dec-03	Jan-04	Feb-04	Mar-04	Apr-04	May-04	Jun-04
Temperature (degrees F)	95	82	96	91	100	77	77	79	78	78	78	76	76	75	81	89	77	77
Flow Rate (scfm)	19	37	107	80	53	74	65	50	50	74	119	22	51	67	65	77	68	69
Methane (%)	53	56.1	63.3	51.3	55.9	51.4	48.9	46.2	51.0	56.9	52.8	40.7	51.8	57.2	55.2	57.1	53.6	54.9
Carbon Dioxide (%)	39.6	40.3	36.1	38.8	37.1	39.3	37.4	37.6	43.5	42.4	34.1	34.8	40.4	39.7	43	39.3	43	42.4
Oxygen (%)	0.6	0.2	0.5	0.1	0.1	0.6	0.4	0.5	0.3	0.5	1.1	2	0.8	0.8	1.6	0.0	0	0.1
Balance (%)	6.8	3.4	0	9.8	6.9	8.7	13.3	15.7	5.2	0.2	12	22.5	7	2.3	0.2	3.6	3.4	2.6

Parameter	Sep-04	Oct-04	Nov-04	Dec-04	Jan-05	Feb-05	Mar-05	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Feb-06	Mar-06
Temperature (degrees F)	99	77	112	72	78	74	72	74	73	92	75	74	75	75	74	73	73	81
Flow Rate (scfm)	52	87	3	--	83	86	78	76	74	87	90	92	68	109	63	85	107	107
Methane (%)	58.7	55.9	52.7	60	54.1	53.7	52.5	56	57.2	58.1	54.8	54.4	47.8	47.3	50.7	49.6	58.2	58.2
Carbon Dioxide (%)	39.6	42.6	40.8	39.4	38.5	39.9	40.4	40.6	40.2	39.7	40.1	41.1	39.2	38.5	39.2	39.4	38.2	38.2
Oxygen (%)	0.4	0	0.1	0.4	0	0.2	0.5	1.3	0.3	0.6	0.2	0.3	0.2	0.9	0.4	0.4	0.1	0.1
Balance (%)	1.3	1.5	6.4	0.2	7.4	6.2	6.6	2.1	2.3	1.6	4.9	4.2	12.8	13.3	9.7	10.6	3.5	3.5

Parameter	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07
Temperature (degrees F)	73	74	74	74	75	75	74	73	83	76	82	76	73	77	77	85	117	100
Flow Rate (scfm)	83	122	103	234	109	100	133	127	126	201	80	115	25	100	108	119	91	88
Methane (%)	51.1	51.7	55.8	56	51.5	53.4	53.3	53.6	54	54.9	57.5	54.7	52.3	56	55	57.3	50.4	53.1
Carbon Dioxide (%)	37.3	38.4	41.9	41.4	40.5	39.6	41.1	39.8	40	35.1	38.5	40.7	47.3	39.6	39.9	42.5	37.6	39.5
Oxygen (%)	1	0.4	1.2	--	--	--	--	--	--	1.4	0.3	0	0.2	0.2	0.3	0.1	0.8	0
Balance (%)	10.6	9.5	1.1	2.2	7.9	6.6	5.6	6.4	5.8	8.6	3.7	4.6	0.2	4.2	4.8	0.1	11.2	7.4

Parameter	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09
Temperature (degrees F)	78	81	61	81	83	86	85	87	86	86	86	87	86	89	89	90	91	91
Flow Rate (scfm)	90	83	106	92	109	65	80	86	102	90	105	82	88	85	88	86	87	82
Methane (%)	50.7	51.6	50	52.9	53.5	58.4	52.4	51.5	53.6	51.7	45.4	48.5	50.1	51.1	52.7	52.6	51	53.9
Carbon Dioxide (%)	39.3	38.7	37.1	39.4	39.9	40	37.7	38.7	41	39.1	37.5	38.6	40.5	40	39.8	40.9	38.9	40.5
Oxygen (%)	0	0	0.7	0	0.1	0	1.4	0.5	0	0	0.4	0.3	0.3	0	0	0	0	0
Balance (%)	10	9.7	12.2	7.7	6.5	1.6	8.5	9.3	5.4	9.2	16.7	12.6	9.1	8.9	7.5	6.5	10.1	5.6

Parameter	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10			
Temperature (degrees F)	91	92	91	91	91	91	92	91	92	91	90	90	74	88	91			
Flow Rate (scfm)	84	76	75	81	71	64	61	50	53	71	86	71	86	70	66			
Methane (%)	52.3	45.8	47.8	50.9	42.4	45.1	44.1	57.9	55.2	58.8	53.4	50.2	50.4	50.7	52.9			
Carbon Dioxide (%)	41	37.6	38.7	39.1	36.4	37.3	35.7	39.6	38.3	39.4	38.9	36.2	37	37.7	39.5			
Oxygen (%)	0	0	0	0	0	0	0.7	0.1	0.2	0	0	0.8	0.2	0	0			
Balance (%)	6.7	16.6	13.5	10	21.2	17.6	19.5	2.4	6.3	1.8	7.7	12.8	12.4	11.6	7.6			

TABLE 4
LANDFILL GAS DATA
(continued)

LFG WELL 2 (TEST AREA)

Parameter	Sep-02	Oct-02	Nov-02	Dec-02	Jan-03	Apr-03	Jun-03	Aug-03	Sep-03	Oct-03	Nov-03	Dec-03	Jan-04	Feb-04	Mar-04	Apr-04	May-04	Jun-04
Temperature (degrees F)	98	87	96	88	100	77	77	83	82	83	82	82	79	80	96	85	80	80
Flow Rate (scfm)	47	75	62	109	53	74	65	93	132	130	166	29	65	74	75	88	85	91
Methane (%)	54	59	58.6	59.8	55.9	51.4	48.9	53.2	56.4	57.4	58.5	42.7	52.5	56.8	57.6	59.5	55.6	56.7
Carbon Dioxide (%)	42.7	40.6	39	39.6	37.1	39.3	37.4	38.4	42.7	41.1	38.9	34.8	40.7	39.2	40.6	39.9	44.3	43
Oxygen (%)	0.9	0.4	0.8	0.4	0.1	0.6	0.4	0.7	0.8	1.4	1.1	3.4	1.1	1.1	1.6	0.0	0	0.1
Balance (%)	2.4	0	2	0.2	6.9	8.7	13.3	7.7	0.1	0.1	1.5	19.1	5.7	2.9	0.2	0.6	0.1	0.2

Parameter	Sep-04	Oct-04	Nov-04	Dec-04	Jan-05	Feb-05	Mar-05	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Feb-06	Mar-06
Temperature (degrees F)	97	82	81	81	81	78	76	84	76	92	79	78	80	80	80	79	78	82
Flow Rate (scfm)	38	108	--	--	120	122	107	31	96	86	109	107	81	127	115	188	141	40
Methane (%)	57.4	56.2	55.9	59.2	59.8	55.7	55.5	57.8	56.2	57.8	55.4	53.3	53.6	50.6	52.6	54	61.1	57.7
Carbon Dioxide (%)	41.6	43.6	42.4	39.4	39.7	40.5	40.7	41.8	39.9	39.2	40	39.2	41.1	38.6	39.8	38.5	37.7	42
Oxygen (%)	0.5	0	0.2	0.3	0.3	0.4	0.6	0.2	0.4	1.4	0.8	0.4	0.2	1.1	0.8	0.3	0.3	0.2
Balance (%)	0.5	0.2	1.5	1.1	0.2	3.4	3.2	0.2	3.5	1.6	3.8	7.1	5.1	9.7	6.8	7.2	0.9	0.1

Parameter	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07
Temperature (degrees F)	77	78	74	74	81	81	81	79	83	76	81	80	79	80	81	86	89	82
Flow Rate (scfm)	103	125	99	126	99	86	124	114	115	105	93	102	95	102	90	131	81	84
Methane (%)	52.5	54.4	51	54.1	54.9	55.3	54.6	56.4	56	53.5	55.7	57.4	58.5	57.2	57.7	57.7	53	58.7
Carbon Dioxide (%)	38	39	38.3	41.5	41.9	41.5	41.8	41.5	38	36.4	38.8	40.3	33.5	41.1	41.9	41.3	38.5	41.2
Oxygen (%)	1.2	0.4	0.3	--	--	--	--	--	--	0.7	1.1	0	0.2	0.2	0.3	0	0.7	0
Balance (%)	8.3	6.2	10.4	2.8	3.1	3.2	3.6	1.9	5.7	9.4	4.4	2.3	7.8	1.5	0.1	1	7.8	0.1

Parameter	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09
Temperature (degrees F)	84	85	89	84	84	88	84	86	84	86	88	89	92	93	95	97	98	99
Flow Rate (scfm)	86	78	98	91	106	77	80	71	85	73	81	75	79	78	80	78	80	77
Methane (%)	57.8	58	55.9	56.9	56.3	58.7	52.5	52.3	55.6	54.1	53.6	53.2	54.8	54.7	54.1	52.3	50.9	52.1
Carbon Dioxide (%)	42	40	38.4	38.8	40.1	38.3	36.2	39.3	41	40.8	40.4	39.9	40.4	39.8	39.5	40.3	37.9	39
Oxygen (%)	0.1	0.1	0.6	0	0.2	0	1.7	0.4	0	0	0.3	0.3	0	0	0	0	0	0.2
Balance (%)	0.1	1.9	5.1	4.3	3.4	3	9.6	8	3.4	5.1	5.7	6.6	4.8	5.5	6.4	7.4	11.2	8.7

Parameter	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10			
Temperature (degrees F)	100	103	103	104	107	108	114	121	122	109	103	97	86	91	92			
Flow Rate (scfm)	75	74	76	79	78	83	91	66	31	122	50	44	49	37	40			
Methane (%)	51.1	52.4	52.1	51.7	49.8	50.2	39.7	58.1	59.6	58.8	53.8	53.8	54.8	52.5	52			
Carbon Dioxide (%)	40.1	39.4	39.2	39	38.4	37.9	33	41.5	39.7	41.1	38.4	36	37	36.3	36.9			
Oxygen (%)	0.1	0.1	0.3	0.1	0.3	0.3	1.6	0.3	0.6	0	1.5	1.7	0.8	1.7	1.7			
Balance (%)	8.7	8.1	8.4	9.2	11.5	11.6	25.7	0.1	0.1	0.1	6.3	8.5	7.4	9.5	9.4			

TABLE 4
LANDFILL GAS DATA
(continued)

LFG WELL 3 (TEST AREA)

Parameter	Sep-02	Oct-02	Nov-02	Dec-02	Jan-03	Apr-03	Jun-03	Aug-03	Sep-03	Oct-03	Nov-03	Dec-03	Jan-04	Feb-04	Mar-04	Apr-04	May-04	Jun-04
Temperature (degrees F)	115	102	105	100	92	98	96	99	98	99	97	96	96	94	90	90	93	94
Flow Rate (scfm)	2	20	53	75	65	56	55	51	59	53	63	7	23	35	38	48	35	37
Methane (%)	53	59.5	50.1	58.2	52.3	54.6	54.5	52.1	57.8	56.3	56.2	42.3	41.7	54.4	54.9	59.9	54.9	55
Carbon Dioxide (%)	38.6	40.1	36.1	39.8	34.9	39.8	36.5	37.3	40.5	41.1	41.2	33.8	33.2	38	43.1	39.5	43.3	42.8
Oxygen (%)	0.6	0.4	0.2	0.6	0.8	1.2	1.2	1.2	1.6	1.7	1.4	3.7	4.3	1.7	1.9	0.0	0.4	0.4
Balance (%)	7.8	0	14	1.4	12	4.4	7.8	9.4	0.1	0.9	1.2	20.2	20.8	5.9	0.1	0.6	1.4	1.8

Parameter	Sep-04	Oct-04	Nov-04	Dec-04	Jan-05	Feb-05	Mar-05	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Feb-06	Mar-06
Temperature (degrees F)	93	91	89	89	90	85	82	89	83	94	87	86	89	87	90	78	80	66
Flow Rate (scfm)	32	41	52	--	47	47	42	93	35	85	44	23	11	67	35.9	1	71	17
Methane (%)	55.8	56.5	55.1	58.4	59.6	55.3	56.5	54.6	56.1	60	55	54.1	55	52.9	52.3	53.6	60.5	54.9
Carbon Dioxide (%)	39	42	40.3	37.3	39.4	40	41.3	39.7	40.8	38.1	41.1	40.9	41.7	40.2	41.2	38.5	39	41.2
Oxygen (%)	0.5	0.7	0.7	0.9	0.1	0.4	0.4	1.7	0.5	1.6	0.6	0.6	0.2	1.2	0.7	1.7	0.3	3.7
Balance (%)	4.7	0.8	3.9	3.4	0.9	4.3	1.8	4	2.6	0.3	3.3	4.4	3.1	5.7	5.8	6.2	0.2	0.2

Parameter	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07
Temperature (degrees F)	80	78	79	74	85	85	85	81	84	76	82	80	76	80	82	89	98	83
Flow Rate (scfm)	32	129	111	90	25	21	31	4	5	106	92	40	22	12	20	35	82	88
Methane (%)	55.3	55.6	53.7	55.4	56.5	52.1	55.2	52	52	53.4	56.5	55.1	56.8	57.5	58	54.8	53.6	58.3
Carbon Dioxide (%)	39.2	37.4	39.3	41.3	43.4	39.9	40.9	36.3	36	39	40.4	40.8	37.8	42.3	41.6	40.1	39.4	41.6
Oxygen (%)	0.8	0.9	0.3	--	--	--	--	--	--	0.5	0.1	0.9	0	0.1	0.3	0.6	1.6	0
Balance (%)	4.7	6.1	6.7	3.1	0.1	7	3.4	10.2	10.7	7.1	3	3.2	5.4	0.1	0.1	4.5	5.4	0.1

Parameter	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09
Temperature (degrees F)	86	81	92	78	67	77	73	90	79	91	90	95	74	60	50	63	70	61
Flow Rate (scfm)	20	36	58	45	22	7	4	3	1	1	2	1	0	1	0	0	1	0
Methane (%)	58.3	59.9	55.5	57.2	61.4	60.7	57	56.9	60	60.7	59.3	58.5	58.2	51.6	60.2	60.9	57	58.6
Carbon Dioxide (%)	41.4	39.9	36.7	37.4	33.5	36.1	34	36.2	39.8	39	40.2	41	41.6	34.8	39.4	38.5	36	35.2
Oxygen (%)	0.2	0.1	1.8	0.8	0.8	0.1	2.8	1	0	0.1	0.3	0.4	0	2.5	0.3	0.5	0.8	1.2
Balance (%)	0.1	0.1	6	4.6	4.3	3.1	6.2	5.9	0.2	0.2	0.2	0.1	0.2	11.1	0.1	0.1	6.2	5

Parameter	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10			
Temperature (degrees F)	54	85	77	88	81	64	67	64	37	53	33	41	87	89	78			
Flow Rate (scfm)	0	0	0	0	0	0	1	0	1	2	1	2	0	0	1			
Methane (%)	59	61.7	62	60.8	60.7	60.7	51.3	61.2	52.5	53	52.2	46.8	51.7	46.6	48.8			
Carbon Dioxide (%)	36.9	36.5	36.8	36.8	37.2	36.5	32.2	38.5	38.5	37.7	31.2	30.2	35.5	28.7	29.4			
Oxygen (%)	0.8	0.7	0.7	0.4	0.7	0.6	2.2	0.1	0.9	0.9	3.8	4.9	0.5	4.4	4.3			
Balance (%)	3.3	1.1	0.5	2	1.4	2.2	14.3	0.2	8.1	8.4	12.8	18.1	12.3	20.3	17.5			

TABLE 4
LANDFILL GAS DATA
(continued)

LFG WELL 4 (TEST AREA)

Parameter	Sep-02	Oct-02	Nov-02	Dec-02	Jan-03	Apr-03	Jun-03	Aug-03	Sep-03	Oct-03	Nov-03	Dec-03	Jan-04	Feb-04	Mar-04	Apr-04	May-04	Jun-04
Temperature (degrees F)	98	63	124	100	119	92	97	86	69	68	96	86	99	97	86	89	112	112
Flow Rate (scfm)	22	36	56	59	105	26	67	19	24	7	23	0	9	21	21	23	20	12
Methane (%)	54	58	50.9	57.3	57.1	60.2	57.4	56.9	58.1	60.1286	64.6	48.4	47.5	55.7	54.2	60.0	54.4	55.3
Carbon Dioxide (%)	40	40.2	33.7	39.9	36	39.1	36.9	39.4	40.1	38	34.3	38	37.7	41	44.4	39.9	45.5	44.3
Oxygen (%)	0.4	0.8	1.5	0.6	0.9	0.5	1.6	0.7	1.6	1.8	1	2.7	3.1	1.2	1.2	0.0	0	0.3
Balance (%)	5.6	1	14	2.2	6	0.2	4.4	3.0	0.2	0.07143	0.1	10.9	11.7	2.1	0.2	0.1	0.1	0.1

Parameter	Sep-04	Oct-04	Nov-04	Dec-04	Jan-05	Feb-05	Mar-05	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Feb-06	Mar-06
Temperature (degrees F)	89	104	115	87	100	97	82	91	93	96	106	98	94	74	80	29	44	65
Flow Rate (scfm)	18	21	21	--	0	9	13	144	9	112	35	1	1	62	51	44	69	15
Methane (%)	57.1	54.7	55.7	58.9	57.9	53.8	56.3	56.9	57.5	57.3	57.5	56.1	56.4	54.0	54.8	54.7	57.4	57.6
Carbon Dioxide (%)	42	45.1	42.9	40.3	41.8	43	42.5	41.4	42.2	39.1	41.3	41.2	41.8	39.6	40.4	37.1	36.2	41.5
Oxygen (%)	0.7	0	0.3	0.1	0.1	3	1	0.9	0.2	1.2	0.7	0.7	0.4	1.5	1.0	2.6	1.2	0.8
Balance (%)	0.2	0.2	1.1	0.7	0.2	0.2	0.2	0.8	0.1	2.4	0.5	2	1.4	4.9	3.8	5.6	5.2	0.1

Parameter	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07
Temperature (degrees F)	66	80	79	75	89	76	76	45	89	42	64	86	63	83	87	98	89	99
Flow Rate (scfm)	27	83	100	166	23	10	23	10	10	80		41	32	11	23	28	77	21
Methane (%)	57.4	57.2	53.7	55.5	57.2	49.9	57.4	40.8	48.5	54.8	55.8	52.4	52.9	48.1	60.7	51.3	52.2	51.2
Carbon Dioxide (%)	39.7	37	41	43.4	39.5	33.2	38.1	25.4	38.5	35.7	43.1	32.9	42.9	35.2	37.8	34.3	38.3	32.2
Oxygen (%)	0.4	0.7	0.1	--	--	--	--	--	--	2.5	0.4	3.1	0.9	3.4	0.9	2.3	1.2	1.7
Balance (%)	2.5	5.2	5.2	0.2	2.9	14.7	3.8	29.2	12.2	7	0.7	11.6	3.3	13.3	0.6	12.1	8.3	14.9

Parameter	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09
Temperature (degrees F)	77	--	66	33	44	81	72	87	83	87	88	96	72	58	48	63	71	59
Flow Rate (scfm)	21	--	--	--	12	10	3	1	0	1	2	0	0	0	1	1	2	0
Methane (%)	45.5	--	55.3	53.5	54.2	52.1	51	47.2	45.7	62.3	61.8	59.1	61.1	62.4	56.6	60.2	59.7	63.3
Carbon Dioxide (%)	28.7	--	33.1	32.8	29.7	32.1	29.8	29.4	28.9	36.2	36.2	34.5	38.4	37.1	34	35.6	35.8	34.8
Oxygen (%)	4.9	--	0.5	3.4	3	2.5	3.8	3.8	4.7	0.9	0.5	1.3	0.3	0.4	2.2	0.9	0.3	0.8
Balance (%)	20.9	--	11.1	10.3	13.1	13.3	15.4	19.6	20.7	0.6	1.5	5.1	0.2	0.1	7.2	3.3	4.2	1.1

Parameter	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10			
Temperature (degrees F)	54	86	75	89	78	63	66	72	50	52	61	46	97	80	79			
Flow Rate (scfm)	0	1	0	1	1	1	1	0	1	1	0	1	0	0	3			
Methane (%)	62.7	63.2	59.7	56.1	55.2	62	45.8	61.2	57.4	47.6	31.9	46.1	51.9	52.1	47.7			
Carbon Dioxide (%)	37.2	36.4	31	31.4	30.6	33.9	26.2	34.2	31.3	27.6	27.5	28.7	25.9	31.6	31.2			
Oxygen (%)	0	0.3	2	1.8	2.1	0.6	3.4	1.1	2.5	4.9	3.2	4.7	4.4	2.9	1.7			
Balance (%)	0.1	0.1	7.3	10.7	12.1	3.5	24.6	3.5	8.8	19.9	37.4	20.5	17.8	13.4	19.4			

TABLE 4
LANDFILL GAS DATA
(continued)

LFG WELL 5 (TEST AREA)

Parameter	Sep-02	Oct-02	Nov-02	Dec-02	Jan-03	Apr-03	Jun-03	Aug-03	Sep-03	Oct-03	Nov-03	Dec-03	Jan-04	Feb-04	Mar-04	Apr-04	May-04	Jun-04
Temperature (degrees F)	97	98	102	90	81	96	95	96	94	94	93	92	92	92	82	100	94	95
Flow Rate (scfm)	6	36	45	65	76	42	41	47	45	42	103	5	25	28	33	42	29	34
Methane (%)	52	59.8	50.4	60.2	60.8	60.7	53.1	55.8	63.0	63.5	64.5	44.8	48.7	53.9	55.1	60.4	55.9	56.6
Carbon Dioxide (%)	39.1	39.7	36.7	38.6	27.7	38.5	37.5	41.5	36.1	35.2	33.7	35.6	37.6	37.5	42.4	39.3	44	43.1
Oxygen (%)	1.9	0.5	0.4	1.1	4	0.6	2.5	0.4	0.7	1.2	1.6	3.6	2.6	2.1	2.4	0.1	0	0.1
Balance (%)	7	0	13	0.1	0.2	0.2	6.9	2.3	0.2	0.1	0.2	16	11.1	6.5	0.1	0.2	0.1	0.2

Parameter	Sep-04	Oct-04	Nov-04	Dec-04	Jan-05	Feb-05	Mar-05	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Feb-06	Mar-06
Temperature (degrees F)	93	93	91	91	93	89	88	82	89	90	92	91	91	89	89	86	85	85
Flow Rate (scfm)	24	32	38	---	24	32	34	12	0	88	34	26	15	77	36	90	85	125
Methane (%)	58.1	55.7	56.8	59.8	59.2	58.1	57.7	56.8	58	55.4	56.9	57.8	57.8	55.2	57	56.5	61.4	59.3
Carbon Dioxide (%)	41	44.1	41	39.8	40.7	41.3	41.6	41.5	41.9	38.5	41.3	41	40.8	40.9	41.2	38.9	38.1	40.1
Oxygen (%)	0.5	0.1	0.5	0.2	0	0.2	0.4	1.6	0	1.8	1.6	0.2	0.6	0.8	0.4	0.9	0.3	0.5
Balance (%)	0.4	0.1	1.7	0.2	0.1	0.4	0.3	0.1	0.1	4.3	0.2	1	0.8	3.1	1.4	3.7	0.2	0.1

Parameter	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07
Temperature (degrees F)	87	88	88	88	89	87	87	84	85	85	68	86	85	86	88	91	106	99
Flow Rate (scfm)	46	89	64	53	93	45	57	43	42	166	126	63	40	45	47	58	53	46
Methane (%)	58	57.1	56.1	52.2	54	58	56.7	55.4	55.5	56.7	57.7	57.9	56.8	58.2	59.6	57.9	58	58.3
Carbon Dioxide (%)	40.1	39.5	40.7	42.2	37.7	41	42.3	41.6	41.5	39.9	40.3	39.8	41.1	41.4	40.1	41.6	40.1	41.5
Oxygen (%)	0.3	0.4	0.2	--	--	--	--	--	--	0.5	0.5	0	0	0.2	0.1	0.1	0.6	0.1
Balance (%)	1.6	3	3	5	7.1	0.8	0.8	0.2	2.8	2.9	1.5	2.3	2.1	0.2	0.2	0.4	1.3	0.1

Parameter	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09
Temperature (degrees F)	87	84	75	85	81	87	87	88	89	87	86	86	84	86	84	85	85	84
Flow Rate (scfm)	45	76	132	104	101	37	36	37	45	40	33	38	40	40	39	36	36	36
Methane (%)	57.5	57.5	58.7	59	56.9	59.4	57.2	55.9	73.1	58.1	58	58.4	57.8	57.1	57.5	56.6	56.3	58.6
Carbon Dioxide (%)	42.1	41	40.4	40.9	42.8	40.4	37.9	39.4	26.8	41.8	41.2	41	41.9	42.8	42.4	43.3	41.2	41.3
Oxygen (%)	0.3	1.4	0.8	0	0.1	0.1	1.5	0.5	0	0	0.6	0.4	0.2	0	0	0	0	0
Balance (%)	0.1	0.1	0.1	0.1	0.2	0.1	3.4	4.2	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	2.5	0.1

Parameter	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10			
Temperature (degrees F)	84	85	85	86	85	84	84	83	82	82	83	83	84	82	84			
Flow Rate (scfm)	34	33	32	34	36	31	39	37	42	29	31	34	35	29	18			
Methane (%)	57.3	57.5	58.1	58	57.9	58.2	56.7	59.6	54.2	46.7	58.3	57.2	56.5	58.8	51.7			
Carbon Dioxide (%)	42.6	42.4	41.8	41.9	40.9	41.6	40.5	40	36.9	33.8	41.6	40.2	39.5	41.1	40.6			
Oxygen (%)	0	0	0	0	0.2	0	0.5	0.3	2.6	4.1	0	0.6	1	0	0.1			
Balance (%)	0.1	0.1	0.1	0.1	1	0.2	2.3	0.1	6.3	15.4	0.1	2	3	0.1	7.6			

TABLE 4
LANDFILL GAS DATA
(continued)

LFG WELL 6 (TEST AREA)

Parameter	Sep-02	Oct-02	Nov-02	Dec-02	Jan-03	Apr-03	Jun-03	Aug-03	Sep-03	Oct-03	Nov-03	Dec-03	Jan-04	Feb-04	Mar-04	Apr-04	May-04	Jun-04
Temperature (degrees F)	100	111	120	101	56	106	102	111.0	112.0	104	74	115	72	74	92	100	92	101
Flow Rate (scfm)	0	12	59	56	75	21	35	37.0	12.0	8	13	0	32	15	23	19	21	23
Methane (%)	60	48.8	59.8	59.8	56.3	58.9	48.9	46.3	49.6	50.2	44.5	36.7	56.8	61.4	54.2	60.1	56.1	57.6
Carbon Dioxide (%)	39	32.8	38.3	38.8	36.7	40.1	37.1	35.9	39.4	39	30.2	32.2	43.1	38.3	44.4	39.7	43	42.1
Oxygen (%)	0.5	3.6	0.2	1.2	1.2	0.9	2.1	1.8	2.0	1.8	3.6	4.5	0	0.2	1.3	0.1	0.3	0.1
Balance (%)	0.5	14.8	2	0.2	5.8	0.1	11.9	16.0	9.0	9	21.7	26.6	0.1	0.1	0.1	0.1	0.6	0.2

Parameter	Sep-04	Oct-04	Nov-04	Dec-04	Jan-05	Feb-05	Mar-05	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Feb-06	Mar-06
Temperature (degrees F)	100	103	98	103	88	75	60	81	80	95	100	97	99	91	83	56	48	63
Flow Rate (scfm)	12	20	13	14	17	14	15	14	0	85	39	1	54	69	1	74	3	63
Methane (%)	57.8	54.8	57.2	54.4	59.3	52.8	57.3	58.2	58.5	58	48.9	57.8	57.2	57	56.7	58.7	58.4	44.7
Carbon Dioxide (%)	41.4	45.1	42.3	34.6	40.3	42.2	42	40.7	40.6	40.8	40.6	41.6	42.4	41.6	42.4	40.7	38	37.3
Oxygen (%)	0.1	0	0.3	0.4	0.3	4.8	0.5	0.9	0.4	0.5	1.5	0.4	0	0.9	0.5	0.3	1.1	1.1
Balance (%)	0.7	0.1	0.2	10.6	0.1	0.2	0.2	0.2	0.5	0.7	9	0.2	0.4	0.5	0.4	0.3	2.5	16.9

Parameter	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07
Temperature (degrees F)	67	87	92	75	93	78	77	82	80	52	67	80	67	67	90	94	121	86
Flow Rate (scfm)	18	80	46	165	0	13	0	42	40	164	37	42	6		42	29	45	9
Methane (%)	38.4	49.9	45.2	56.5	48.9	54.3	48.8	56.7	55.4	56.1	48.5	58.6	56	57.8	57.6	47.4	58.1	53.7
Carbon Dioxide (%)	33.4	35.4	34.5	42.4	37.5	40.2	36.4	40.8	40.1	41.7	35	40.9	38.7	41.6	39.9	35	41.8	38.3
Oxygen (%)	2.9	1.8	2.5	--	--	--	--	--	--	0.6	3.4	0	0	0.4	1	3.3	0	1.2
Balance (%)	25.3	12.9	17.8	0.8	11.9	4.7	13	2.3	4	1.6	13.1	0.5	5.3	0.2	1.5	14.3	0.1	6.8

Parameter	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09
Temperature (degrees F)	75	50	83	66	49	56	77	90	89	92	93	97	72	61	46	51	68	77
Flow Rate (scfm)	16	28	56	45	14	52	1	1	0	1	1	0	0	0	0	0	2	0
Methane (%)	54.8	60	58.3	54.3	50.5	55.3	51.1	55.1	58.4	56	58.6	53.8	52.3	54	52.7	57.6	57.8	57.8
Carbon Dioxide (%)	39.7	39.4	40.9	38.5	38.1	36.8	34.7	38.1	41.4	39.4	40.1	40.5	39.9	39.3	38.8	42.3	39.7	38.1
Oxygen (%)	1.6	0.4	0.6	1.5	2.3	1.9	3	0.9	0.1	1.2	1.2	1.4	1.6	1.9	1.7	0	0	0.9
Balance (%)	3.9	0.2	0.2	5.7	9.1	6	11.2	5.9	0.1	3.4	0.1	4.3	6.2	4.8	6.8	0.1	2.5	3.2

Parameter	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10			
Temperature (degrees F)	56	80	82	85	85	82	79	68	46	42	65	42	84	81	83			
Flow Rate (scfm)	0	0	0	0	0	0	1	0	2	2	1	2	1	1	2			
Methane (%)	53.9	54.5	58.6	53.8	52.3	54	49	55.7	44.6	53.5	55	48.8	48.7	46.9	45.5			
Carbon Dioxide (%)	40.3	38.8	41.2	36.5	36.6	35.7	33.3	38	31.2	37	37.2	33.2	33.5	30.7	30.9			
Oxygen (%)	0.8	1.3	0.1	1.4	1.7	1.6	2.2	1.5	4.8	2.4	2	4.2	3	4.2	4.1			
Balance (%)	5	5.4	0.1	8.3	9.4	8.7	15.5	4.8	19.4	7.1	5.8	13.8	14.8	18.2	19.5			

TABLE 4
LANDFILL GAS DATA
(continued)

LFG WELL 7 (TEST AREA)

Parameter	Sep-02	Oct-02	Nov-02	Dec-02	Jan-03	Apr-03	Jun-03	Aug-03	Sep-03	Oct-03	Nov-03	Dec-03	Jan-04	Feb-04	Mar-04	Apr-04	May-04	Jun-04
Temperature (degrees F)	110	100	81	100	82	99	92	100	98	98	97	96	96	95	96	91	99	99
Flow Rate (scfm)	23	38	64	76	92	56	81	59	65	64	72	61	34	57	57	65	56	57
Methane (%)	53	61.8	62.8	65.2	61.1	58.8	57.3	57.3	55.5	58.9	58.5	43.3	42	60	54.9	60	56	56.1
Carbon Dioxide (%)	46.2	38.1	36.9	34.7	38.6	40.4	38.4	35.4	43.5	39.7	39.1	36	34.8	39	43.6	39.9	43.7	43.8
Oxygen (%)	0.8	0.1	0.2	0	0.2	0.6	1.1	1.0	0.8	1.3	1.3	3.4	3.5	0.9	1.4	0	0.1	0
Balance (%)	0	0	0	0.1	0.1	0.2	3.2	6.3	0.2	0.1	1.1	17.3	19.7	0.1	0.1	0.1	0.2	0.1

Parameter	Sep-04	Oct-04	Nov-04	Dec-04	Jan-05	Feb-05	Mar-05	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Feb-06	Mar-06
Temperature (degrees F)	97	98	97	103	88	95	93	96	95	96	98	96	97	95	89	91	51	91
Flow Rate (scfm)	51	65	78	52	88	87	85	145	75	112	88	98	90	113	109.4	128	42	39
Methane (%)	58.5	55	57.5	56.7	57.2	56.9	56.7	56.7	57.6	57.4	58.1	56.3	56.4	52.4	53.3	52.8	59.1	58.6
Carbon Dioxide (%)	40.9	44.6	41.6	43	42.2	41.6	42.7	41.5	41.9	39.8	41.4	41.6	43.2	41.1	42.1	38.8	37.6	40.5
Oxygen (%)	0.1	0.2	0.7	0.1	0.5	0.5	0.5	0.1	0.3	1.1	0.2	0.6	0.3	1.2	0.9	1.4	1.1	0.3
Balance (%)	0.5	0.2	0.2	0.2	0.1	1	0.1	1.7	0.2	1.7	0.3	1.5	0.1	5.3	3.7	7	2.2	0.6

Parameter	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07
Temperature (degrees F)	94	99	99	90	103	101	96	60	80	96	87	102	78	95	93	98	99	87
Flow Rate (scfm)	35	89	70	165	27	33	29	0	51		20	58	20	13	49	32	29	52
Methane (%)	57.5	54.9	55.6	56.2	54	56.2	54.9	48.8	49.3	56.1	56.6	56.5	52.3	56.5	56.9	53.1	53.9	55
Carbon Dioxide (%)	41.8	40.3	42.9	43.2	43.1	43.3	42.1	34.1	35.1	42.3	40.2	43.4	47.3	43	42.2	40.4	39.6	40.1
Oxygen (%)	0.3	0.6	0	--	--	--	--	--	--	0.4	1.6	0	0.2	0.3	0.7	1	1.3	0.9
Balance (%)	0.4	4.2	1.5	0.1	2.5	0.2	2.6	14.8	13.8	1.2	1.6	0.1	0.2	0.2	0.2	5.5	5.2	4

Parameter	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09
Temperature (degrees F)	76	--	56	66	52	57	77	88	80	92	99	99	84	72	57	65	71	73
Flow Rate (scfm)	25	--	--	45	16	54	3	3	0	1	7	3	3	2	2	1	1	1
Methane (%)	54	--	56	58	50.5	54.7	48.7	50.3	53.2	58.3	58.9	57.8	56.4	58.1	59.2	59	54.3	61.4
Carbon Dioxide (%)	40.3	--	38.9	39.3	36.3	35.9	32.9	36.1	36.7	41.6	40.7	41.8	41.2	41.8	40.5	40.9	37.9	38.2
Oxygen (%)	1.6	--	1.2	0.6	2.6	2.1	3.8	2.1	2.1	0	0.2	0.3	0.5	0	0.2	0	0.8	0.3
Balance (%)	4.1	--	3.9	2.1	10.6	7.3	14.6	11.5	8	0.1	0.2	0.1	1.9	0.1	0.1	0.1	7	0.1

Parameter	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10			
Temperature (degrees F)	58	81	82	89	84	81	79	64	45	37	60	79	94	63	82			
Flow Rate (scfm)	0	0	0	1	0	0	1	1	1	2	0	1	1	3	1			
Methane (%)	59.9	60.9	60.8	61.4	59.4	61.7	47	62.1	53.9	47.8	25	54.6	52.4	52.7	53.6			
Carbon Dioxide (%)	40	38.8	38.9	38.5	37.9	37.8	31.5	37.3	31.3	30.3	27.7	32.1	31.1	36.2	35.7			
Oxygen (%)	0	0.1	0.1	0	0.4	0.3	2.4	0.4	3.6	4.7	2	2.6	2.5	0.6	0.5			
Balance (%)	0.1	0.2	0.2	0.1	2.3	0.2	19.1	0.2	11.2	17.2	45.3	10.7	14	10.5	10.2			

TABLE 4
LANDFILL GAS DATA
(continued)

LFG WELL 8 (TEST AREA)

Parameter	Sep-02	Oct-02	Nov-02	Dec-02	Jan-03	Apr-03	Jun-03	Aug-03	Sep-03	Oct-03	Nov-03	Dec-03	Jan-04	Feb-04	Mar-04	Apr-04	May-04	Jun-04
Temperature (degrees F)	115	67	78	90	82	101	92	107.0	95	107	93	84	99	98	86	95	90	90
Flow Rate (scfm)	33	18	51	39	87	48	81	52.0	49	48	52	19	37	46	43	51	35	34
Methane (%)	59	60.7	65.2	63.9	60.8	60	57.3	56.9	61.6	60.3	63.3	45.9	47.8	52.7	52.5	59.5	54.4	55.4
Carbon Dioxide (%)	39.9	38.8	33.5	35.9	38.6	39.4	38.4	38.7	37.8	38.1	35.5	37.3	38.5	37.3	45.5	40.4	45.3	44.2
Oxygen (%)	1.1	0.5	1.1	0.1	0.6	0.4	1.1	0.6	0.5	1.4	1	3.3	2.7	2.5	1.9	0	0.1	0.2
Balance (%)	0	0	0	0.1	0	0.2	3.2	3.8	0.1	0.2	0.2	13.5	11	7.5	0.1	0.1	0.2	0.2

Parameter	Sep-04	Oct-04	Nov-04	Dec-04	Jan-05	Feb-05	Mar-05	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Feb-06	Mar-06
Temperature (degrees F)	77	88	99	96	111	68	47	84	71	92	99	93	92	80	72	56	42	63
Flow Rate (scfm)	30	29	40	--	49	30	27	130	17	84	41	1	56	66	43.3	50	56	21
Methane (%)	57.3	55.1	55.6	59.3	56.3	57.2	56.6	57	57.7	57.9	56.9	56.5	57	54.7	54.71	58.6	61.6	58
Carbon Dioxide (%)	41.8	44.7	41.2	39.9	43.4	42.3	43	41	41.8	40.8	42.5	41.7	42.8	41.6	42.45	39.4	37.7	41.4
Oxygen (%)	0.2	0	0.8	0.6	0.1	0.3	0.2	0.6	0.3	0.7	0.4	0.5	0.1	0.8	0.47	1.7	0.6	0.4
Balance (%)	0.7	0.2	2.4	0.2	0.2	0.2	0.2	1.4	0.2	0.6	0.2	1.3	0.1	2.9	2.3	0.3	0.1	0.2

Parameter	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07
Temperature (degrees F)	63	81	90	75	88	74	74	58	89	61	67	85	56	81	86	94	111	85
Flow Rate (scfm)	24	79	67	166	31	25	38	68	67	101	218	51	21	19	47	47	14	35
Methane (%)	57.6	55.2	56.4	56.7	55.7	57.9	55.5	56.2	55.7	56.5	57.6	58.8	55.2	58	57.7	57.5	54.4	58.1
Carbon Dioxide (%)	42.3	40.1	43.5	43.2	39.6	39.1	40.6	37.8	37.4	40.9	40.1	39	42.8	41.8	41.6	42.1	39	41.8
Oxygen (%)	0	0.7	0	--	--	--	--	--	--	0.5	0.3	0.1	0.3	0	0.6	0.2	1.3	0
Balance (%)	0.1	4	0.1	0.1	4	2.3	3.4	5.1	6	2.1	2	2.1	1.7	0.2	0.1	0.2	5.3	0.1

Parameter	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09
Temperature (degrees F)	78	--	76	36	53	57	99	104	103	103	99	103	100	98	86	97	93	91
Flow Rate (scfm)	28	--	--	21	34	59	7	7	5	6	6	5	4	4	8	5	5	3
Methane (%)	56.8	--	58.7	58.3	59	59.8	55.6	55.4	58.6	58.4	59.8	57.4	56.8	57.6	58.9	56.8	57.3	58.3
Carbon Dioxide (%)	42.6	--	41.2	41.6	40.9	39.3	36.5	38.1	41.3	41.5	40.1	42.1	43.1	42.3	40.8	43.1	40.8	41.6
Oxygen (%)	0.5	--	0.1	0	0	0.7	1.9	0.8	0	0	0	0.3	0	0	0.2	0	0	0
Balance (%)	0.1	--	0	0.1	0.1	0.2	6	5.7	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	1.9	0.1

Parameter	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10			
Temperature (degrees F)	94	96	98	100	93	98	96	94	86	82	70	74	90	87	91			
Flow Rate (scfm)	4	3	4	2	3	3	3	3	3	3	2	3	3	2	2			
Methane (%)	57.9	57.6	58	58.3	59.2	59	50.3	59	55.9	47.7	58.8	47	57.3	59	52			
Carbon Dioxide (%)	42	42.3	41.9	41.6	40.3	40.6	36.4	40.8	36.4	32.5	41.1	30.6	38.5	40.9	40.3			
Oxygen (%)	0	0	0	0	0.1	0.3	1.7	0.1	2.1	4.4	0	4.9	0.5	0	0.1			
Balance (%)	0.1	0.1	0.1	0.1	0.4	0.1	11.6	0.1	5.6	15.4	0.1	17.5	3.7	0.1	7.6			

TABLE 4
LANDFILL GAS DATA
(continued)

LFG WELL 9 (TEST AREA)

Parameter	Sep-02	Oct-02	Nov-02	Dec-02	Jan-03	Apr-03	Jun-03	Aug-03	Sep-03	Oct-03	Nov-03	Dec-03	Jan-04	Feb-04	Mar-04	Apr-04	May-04	Jun-04
Temperature (degrees F)	110	66	80	110	110	97	92	104	61	83	77	59	58	47	92	95	75	98
Flow Rate (scfm)	31	45	10	66	81	42	62	40	43	41	44	13	17	18	24	34	13	19
Methane (%)	60	63.1	60.8	63.7	50.4	61.2	56.4	60.7	60.1	66.3	60.2	47.5	46.9	49	51.9	60.2	53.4	57.8
Carbon Dioxide (%)	39.6	36.5	38.6	35.9	34.9	38	39.5	36.6	37.9	32.6	38.1	38.1	36.4	35.9	41.6	39.7	42.5	41.7
Oxygen (%)	0.4	0.4	0.5	0.3	9.8	0.7	1	1.0	1.9	0.9	1.6	3	3.4	3.5	4.1	0	1.5	0.4
Balance (%)	0	0	0	0.1	4.9	0.1	3.1	1.7	0.1	0.2	0.1	11.4	13.3	11.6	2.4	0.1	2.6	0.1

Parameter	Sep-04	Oct-04	Nov-04	Dec-04	Jan-05	Feb-05	Mar-05	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Feb-06	Mar-06
Temperature (degrees F)	88	84	94	92	100	93	87	82	78	92	86	84	92	95	99	43	53	66
Flow Rate (scfm)	14	18	28	--	26	17	21	36	9	1	2	39	56	60	72.7	35	18	0
Methane (%)	57.9	56.2	54.7	58.1	59.2	57	56.9	57.3	55.6	55.8	56.6	57.6	56.2	55	53.7	52.8	61	54.9
Carbon Dioxide (%)	41.4	42.9	41.9	39.1	40.7	42.7	42.5	41.7	40.2	42.8	41.4	42	41.3	40.6	39.9	38.1	38.2	40.5
Oxygen (%)	0	0.8	1.1	0.7	0	0.1	0.5	0.4	1	1.2	0.8	0.2	0.5	1.1	1.5	1.9	0.6	0.8
Balance (%)	0.7	0.1	2.3	2.1	0.1	0.2	0.1	0.6	3.2	0.2	1.2	0.2	2	3.3	4.9	7.2	0.2	3.8

Parameter	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07
Temperature (degrees F)	69	78	79	74	85	68	70	44	98	74	56	82	55	72	84	78	96	84
Flow Rate (scfm)	32	84	49	167	32	15	38	34	38	39	62	44	14	19	45	27	55	21
Methane (%)	55.1	50.8	49.9	56	55.8	56.3	52.3	54.8	54.6	56.4	54.1	57.7	49.9	55.2	53.9	51.2	56.2	60.8
Carbon Dioxide (%)	38.2	36.1	37.3	40.4	38.6	40.3	36.7	38.8	38.9	39.9	39.9	37.9	42.6	39.3	37.2	37.2	38.2	38
Oxygen (%)	1.3	1.7	1.4	--	--	--	--	--	--	1.1	0.5	0.5	1.5	1.3	1.9	1.8	1	0.3
Balance (%)	5.4	11.4	11.4	3	5.1	3.1	9.7	5.6	6.42	2.6	5.5	3.9	6	4.2	7	9.8	4.6	0.9

Parameter	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09
Temperature (degrees F)	70	--	--	31	--	57	81	88	94	88	98	94	91	91	76	76	83	87
Flow Rate (scfm)	19	--	--	14	--	52	4	5	5	4	5	4	4	4	3	3	3	4
Methane (%)	52.2	--	--	51.8	56.7	61	49.2	59.4	57.9	59.1	59.8	58.8	57.9	57.9	58	57.9	58.5	58.9
Carbon Dioxide (%)	35.3	--	--	33.8	42	37.6	34.4	40.3	41.8	40.7	39.8	40.9	42	42	41.9	42	40.6	41
Oxygen (%)	2.5	--	--	1.8	0.1	0.9	2.8	0.2	0.1	0	0.2	0.1	0	0	0	0	0	0
Balance (%)	10	--	--	12.6	1.2	0.5	13.6	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.9	0.1

Parameter	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10			
Temperature (degrees F)	88	88	106	103	103	94	96	91	74	80	89	83	64	93	95			
Flow Rate (scfm)	3	3	10	3	6	6	7	2	8	15	4	17	7	3	7			
Methane (%)	57.4	58.3	55.8	58.2	56.7	54.8	48.9	59.6	59.3	48.8	58.5	47.4	54.6	59	52.1			
Carbon Dioxide (%)	42.5	41.6	40.1	41.2	39.5	39.4	36	39.7	40.2	33	41.4	30.5	37	40.9	39.8			
Oxygen (%)	0	0	0.6	0	0.6	0.8	1.5	0.6	0.4	3.8	0	4.5	1.3	0	0.1			
Balance (%)	0.1	0.1	3.5	0.6	3.2	5	13.6	0.1	0.1	14.4	0.1	17.6	7.1	0.1	8			

TABLE 4
LANDFILL GAS DATA
(continued)

LFG WELL 10 (TEST AREA)

Parameter	Sep-02	Oct-02	Nov-02	Dec-02	Jan-03	Apr-03	Jun-03	Aug-03	Sep-03	Oct-03	Nov-03	Dec-03	Jan-04	Feb-04	Mar-04	Apr-04	May-04	Jun-04
Temperature (degrees F)	109	114	80	110	92	103	95	119	100	100	117	108	100	105	99	98	103	105
Flow Rate (scfm)	40	55	36	36	81	63	41	50	89	48	91	27	31	26	32	37	26	30
Methane (%)	50	49.9	60.8	56.9	57.3	51.9	53.1	48.7	53.3	52.6	41.2	51.9	48.3	51.2	55.5	62.3	57.5	56.7
Carbon Dioxide (%)	41	33.3	38.6	39.5	38.5	39.4	37.5	34.4	40.9	39.5	29.7	40.9	37.5	36.4	42.6	37.4	42.4	43.2
Oxygen (%)	1	3	0.5	1	0.7	2.2	2.5	1.8	2.2	2.1	4.6	1.1	2.7	3.6	1.7	0.1	0	0
Balance (%)	8	13.8	0	2.6	3.5	6.5	6.9	15.1	3.6	5.8	24.5	6.1	11.5	8.8	0.2	0.2	0.1	0.1

Parameter	Sep-04	Oct-04	Nov-04	Dec-04	Jan-05	Feb-05	Mar-05	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Feb-06	Mar-06
Temperature (degrees F)	103	104	105	104	100	105	105	86	106	110	103	113	116	116	110	121	103	103
Flow Rate (scfm)	22	26	40	--	46	53	45	63	41	95	24	47	36	84	31	96	78	19
Methane (%)	58.2	56.2	51.6	57.3	50.9	49.5	51.4	50.1	56.1	49.1	56.1	48.4	48.4	41.7	57.4	58.6	58.9	54.2
Carbon Dioxide (%)	40.3	43.7	39.3	38.8	36.2	38.2	39.6	37.1	41	36.5	39.2	36.5	37.4	34	39.4	39.6	39.5	39.3
Oxygen (%)	0.2	0	1	0.3	1.2	1.4	0.9	1.7	0.4	1.7	0.6	1.7	1.6	3.2	0.4	1.7	0.3	0.8
Balance (%)	1.3	0.1	8.1	3.6	11.7	10.9	8.1	11.1	2.5	12.7	4.1	13.4	12.6	21.1	2.8	0.1	1.3	5.7

Parameter	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07
Temperature (degrees F)	103	107	107	107	112	66	108	105	105	76	90	101	94	100	106	102	112	73
Flow Rate (scfm)	45	96	71	42	48	120	48	39	39	36	19	51	32	33	36	41	55	55
Methane (%)	47.6	53.1	52.1	56.6	40.7	57.6	54.5	54.7	54.5	56.2	55.4	53.7	53	51.7	51.4	49.1	48.2	57.3
Carbon Dioxide (%)	34.9	36.6	37.9	41.8	32.7	41.6	39.8	39.2	39.1	41.1	41.5	37.1	36.6	38.3	37.2	37	35.8	42.2
Oxygen (%)	2.4	0.6	0.7	--	--	--	--	--	--	1.5	2.9	1.3	0.3	1.4	1.5	1.9	2	0.4
Balance (%)	15.1	9.7	9.3	1.3	24.4	0.1	5.5	5.3	5.7	1.2	0.2	7.9	10.1	8.6	9.9	12	14	0.1

Parameter	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09
Temperature (degrees F)	110	83	82	102	93	104	105	104	103	104	103	106	104	108	104	102	101	99
Flow Rate (scfm)	31	57	60	52	35	39	24	25	20	22	16	21	25	26	26	24	24	23
Methane (%)	49.1	57.4	48.7	58.6	50.1	57.1	45	48	49.2	54.7	58.2	48.2	52.7	51.3	50.8	54.8	49.2	51.3
Carbon Dioxide (%)	36.1	41.9	35	41.2	37.3	42.8	32.5	36.3	37.1	39.3	41.6	36.4	40.8	38.4	37.4	40.2	36.9	39.3
Oxygen (%)	2.3	0.6	2.3	0.1	1.6	0	3.7	1.8	1.6	0.6	0.1	2	0.6	1.3	1.7	0.5	1.2	0.9
Balance (%)	12.5	0.1	14	0.1	11	0.1	18.8	13.9	12.1	5.4	0.1	13.4	5.9	9	10.1	4.5	12.7	8.5

Parameter	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10			
Temperature (degrees F)	97	98	99	102	102	103	103	100	98	97	94	90	92	89	93			
Flow Rate (scfm)	22	22	21	21	19	19	18	24	25	18	21	15	18	15	8			
Methane (%)	51.3	51.5	49.3	50.9	49.5	50.4	48.1	58.4	50.6	48.5	58.2	56.4	55.4	58.5	52.3			
Carbon Dioxide (%)	39.9	38.5	37.3	38	37.3	36.8	36.5	41.3	35.2	35.1	41.7	39.3	39.2	41.4	40.8			
Oxygen (%)	0.9	1.1	1.5	1.1	1.2	0.9	1.3	0.1	3.3	3	0	1	0.6	0	0.2			
Balance (%)	7.9	8.9	11.9	10	12	11.9	14.1	0.2	10.9	13.4	0.1	3.3	4.8	0.1	6.7			

TABLE 4
LANDFILL GAS DATA
(continued)

LFG WELL 11 (CONTROL AREA)

Parameter	Sep-02	Oct-02	Nov-02	Dec-02	Jan-03	Apr-03	Jun-03	Aug-03	Sep-03	Oct-03	Nov-03	Dec-03	Jan-04	Feb-04	Mar-04	Apr-04	May-04	Jun-04
Temperature (degrees F)	119	98	101	100	94	95	98	115	93	105	84	56	79	64	113	99	93	95
Flow Rate (scfm)	25	48	56	77	72	49	50	40	81	29	96	16	23	12	32	20	32	17
Methane (%)	58	60.2	57.8	61.6	60.8	58.3	52.6	55.2	62.1	64	58.2	42.3	54	48.7	52	58	54	54.3
Carbon Dioxide (%)	41.7	39.3	40.3	37.6	38.5	40.5	36	36.2	36.9	34.8	39.7	34.3	42.7	34.9	46.3	34.3	45.8	42.5
Oxygen (%)	0.3	0.5	0.9	0.6	0.5	1.1	2.8	1.1	0.8	1.1	2	5.2	0.7	3.8	1.6	0.1	0	1.2
Balance (%)	0	0	1	0.2	0.2	0.1	8.6	7.5	0.2	0.1	0.1	18.2	2.6	12.6	0.1	7.6	0.2	2

Parameter	Sep-04	Oct-04	Nov-04	Dec-04	Jan-05	Feb-05	Mar-05	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Feb-06	Mar-06
Temperature (degrees F)	88	93	90	88	80	70	46	82	72	87	104	94	83	86	69	110	46	64
Flow Rate (scfm)	12	48	--	--	24	8	0	0	6	84	36	7	112	3	1	92	0	0
Methane (%)	56.9	56.5	54.3	60.5	59	57.3	48.9	57	43.1	45.8	56.6	43	49.3	44.9	58.1	49.5	53.1	49.9
Carbon Dioxide (%)	40	43.2	40.6	38.5	40.9	42.2	34.4	40.9	34.1	33.4	37.5	30	38.7	35.1	41.5	36.4	35.5	37.9
Oxygen (%)	0.5	0.1	1	0.8	0	0.4	4.3	0.9	4.2	4.1	0.9	4.8	1.1	3.8	0.3	1.3	2.7	2.1
Balance (%)	2.6	0.2	4.1	0.2	0.1	0.1	12.4	1.2	18.6	16.7	5	22.2	10.9	16.2	0.1	12.8	8.7	10.1

Parameter	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07
Temperature (degrees F)	62	69	83	75	91	68	73	71	81	39	84	80	53	77	88	93	100	75
Flow Rate (scfm)	169	60	64	19	3	21	5	0	0	--	56	43	--	2	6	30	--	25
Methane (%)	57.7	58.7	50.3	55.7	50.3	58.7	58.6	54.9	55	13.5	55.4	59.8	43.1	56.6	51.8	58	51.1	55.9
Carbon Dioxide (%)	35	41.2	36.3	42.4	36.4	40.8	41	32.3	32	3.5	38.3	38	43.1	39	37.2	40.3	34.7	36
Oxygen (%)	1.1	0	1.6	--	--	--	--	--	--	17.8	0.3	0	0.7	1.4	2.8	0.7	3.1	1.7
Balance (%)	6.2	0.1	11.8	1.3	12.1	0.2	0.1	9.6	10.9	65.2	6	2.2	13.1	3	8.2	1	11.1	6.4

Parameter	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09
Temperature (degrees F)	68	46	56	66	52	47	73	90	79	91	94	76	73	74	48	53	66	75
Flow Rate (scfm)	50	--	57	46	18	1	2	2	2	2	1	2	1	2	1	1	1	1
Methane (%)	57.1	57.1	56	57.9	35.5	55	57.2	55.1	57.9	58.4	55	58.3	57.3	53	58.4	56.8	51.6	57.5
Carbon Dioxide (%)	41.9	36.8	37.5	37.6	21.8	36.8	38.9	38.9	41.9	41.5	40.1	41.5	42.3	39	41.4	43.1	38.5	41.3
Oxygen (%)	0.8	2.3	1.7	2	0.8	1.2	1.3	0.9	0	0	1	0.1	0.3	2	0	0	1.2	0.2
Balance (%)	0.2	3.8	4.8	2.5	41.9	7	2.6	5.1	0.2	0.1	3.9	0.1	0.1	6	0.2	0.1	8.7	1

Parameter	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10			
Temperature (degrees F)	60	81	89	74	87	83	81	66	50	41	63	77	89	80	80			
Flow Rate (scfm)	1	1	1	1	1	0	1	1	2	3	1	2	2	1	1			
Methane (%)	57.2	57.2	57.4	58.3	56.5	57.6	52.5	58.3	50.4	45.2	57.6	53.7	51	57.7	50.9			
Carbon Dioxide (%)	42.7	42.7	41.4	41.5	40.7	40.5	38.7	40.1	32.7	33.2	42.3	37.6	36.5	40.4	40.8			
Oxygen (%)	0	0	0.1	0	0.4	0.1	1.1	0.8	4.2	4.9	0	1.8	2.2	0.4	0.5			
Balance (%)	0.1	0.1	1.1	0.2	2.4	1.8	7.7	0.8	12.7	16.7	0.1	6.9	10.3	1.5	7.8			

TABLE 4
LANDFILL GAS DATA
(continued)

LFG WELL 12 (IN CONTROL AREA, BUT NEAR APPLICATION TRENCHES)

Parameter	Sep-02	Oct-02	Nov-02	Dec-02	Jan-03	Apr-03	Jun-03	Aug-03	Sep-03	Oct-03	Nov-03	Dec-03	Jan-04	Feb-04	Mar-04	Apr-04	May-04	Jun-04
Temperature (degrees F)	115	119	84	100	77	110	111	110	106	112	71	116	116	123	98	112	110	119
Flow Rate (scfm)	35	54	102	66	85	31	59	47	101	65	69	44	45	27	42	34	21	27
Methane (%)	61	60.4	62.1	61	52.5	60.6	56.5	57.5	57.6	65.3	64.8	47.5	44	53.7	54.8	55.4	56.3	57.5
Carbon Dioxide (%)	38.6	39.2	37.3	38.5	36.9	38.6	35.9	36.5	41.2	33.6	34	37.5	34.4	37.6	44.8	33.9	43.6	42.2
Oxygen (%)	0.4	0.4	0.4	0.3	0.1	0.7	1.8	0.8	1.1	0.9	1.1	3.1	4.6	2.4	0.2	0.3	0	0.1
Balance (%)	0	0	0	0.2	10.5	0.1	5.8	5.2	0.1	0.2	0.1	11.9	17	6.3	0.2	10.4	0.1	0.2

Parameter	Sep-04	Oct-04	Nov-04	Dec-04	Jan-05	Feb-05	Mar-05	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Feb-06	Mar-06
Temperature (degrees F)	113	117	91	86	85	113	112	91	115	115	90	83	88	60	73	33	51	53
Flow Rate (scfm)	37	29	34	32	0	20	32	24	26	87	36	8	59	31	29	118	37	0
Methane (%)	58.2	55	57.3	55.3	56.7	58	57.6	56.6	58.4	59.5	51.8	58.5	56.3	44.9	54.9	55.5	55.2	55.7
Carbon Dioxide (%)	40.9	44.9	41.9	43	43	41.1	41.5	40.2	41.1	38.8	37	40.8	40.2	38.3	40	43.6	35.2	39.8
Oxygen (%)	0.1	0	0.4	1	0.2	0.5	0.8	2.6	0.4	1.1	2.1	0.5	1.1	1.4	1	0.8	2.1	1.1
Balance (%)	0.8	0.1	0.4	0.7	0.1	0.4	0.1	0.6	0.1	0.6	9.1	0.2	2.4	15.4	4.1	0.1	7.5	3.4

Parameter	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07
Temperature (degrees F)	93	64	72	74	92	67	67	49	70	128	62	78	51	75	88	89	--	--
Flow Rate (scfm)	16	60	58	7	0	14	15	0	0	83		116	11	5	11	--	--	--
Methane (%)	54.7	45.5	38.8	46.9	40.5	0.5	2.6	0	29	45.1	35.3	58.1	53.9	25.8	53.4	0	--	--
Carbon Dioxide (%)	40.1	35	31.4	38.9	28.8	1	5.5	0.5	41	34.5	27.7	33.3	46	28.3	35.5	0	--	--
Oxygen (%)	1.1	2.5	3.6	--	--	--	--	--	--	2.4	3.4	3.2	0	5.8	2.8	20.8	--	--
Balance (%)	4.1	17	26.2	13.1	25.8	77.5	73	78.4	25.2	18	33.6	5.4	0.1	40.1	8.3	79.2	--	--

Parameter	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09
Temperature (degrees F)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Flow Rate (scfm)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methane (%)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon Dioxide (%)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Oxygen (%)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Balance (%)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Parameter	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10			
Temperature (degrees F)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
Flow Rate (scfm)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
Methane (%)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
Carbon Dioxide (%)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
Oxygen (%)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
Balance (%)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			

TABLE 4
LANDFILL GAS DATA
(continued)

LFG WELL 13 (IN CONTROL AREA, BUT NEAR APPLICATION TRENCHES)

Parameter	Sep-02	Oct-02	Nov-02	Dec-02	Jan-03	Apr-03	Jun-03	Aug-03	Sep-03	Oct-03	Nov-03	Dec-03	Jan-04	Feb-04	Mar-04	Apr-04	May-04	Jun-04
Temperature (degrees F)	110	75	94	100	99	108	109	124	91	117	68	112	99	103	118	102	87	114
Flow Rate (scfm)	40	61	41	76	65	59	82	57	109	50	69	53	66	42	64	51	36	20
Methane (%)	60	61.3	62.3	60.4	56.3	59.1	57.3	57.1	55.1	63.7	64.6	46.5	47.2	53	57.8	61.5	54.3	58.4
Carbon Dioxide (%)	39.5	38.1	37.2	38.9	36.7	40.2	37.2	35.3	41.1	35	33.6	37.4	34.8	36.5	41.4	38.3	42.9	41.3
Oxygen (%)	0.5	0.6	0.4	0.5	1.2	0.6	1.4	0.9	1.4	1.1	1.7	3.2	3.8	2.7	0.7	0	1	0.2
Balance (%)	0	0	0	0.2	5.8	0.1	4.1	6.7	2.4	0.2	0.1	12.9	14.2	7.8	0.1	0.2	1.8	0.1

Parameter	Sep-04	Oct-04	Nov-04	Dec-04	Jan-05	Feb-05	Mar-05	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Feb-06	Mar-06
Temperature (degrees F)	93	89	96	111	96	104	108	83	114	93	119	116	118	79	78.5	104	109	114
Flow Rate (scfm)	121	24	11	4	33	8	21	40	30	86	33	12	61	59	51.7	105	77	55
Methane (%)	55.9	55.6	56.7	56.3	57	54.3	57.6	57.3	59	57.5	57.2	58.2	57.6	57.5	57.2	57.5	60.8	58.4
Carbon Dioxide (%)	38.5	44.3	41.8	42.3	42.9	42	41.9	41.3	40.3	39.7	38.6	41.1	40.5	41.4	41.3	41.7	39	41.2
Oxygen (%)	1.1	0	0.3	0.5	0	3.5	0	1.3	0.5	0.6	0.8	0.6	0.5	1	0.9	0.6	0.1	0.2
Balance (%)	4.5	0.1	1.2	0.9	0.1	0.2	0.5	0.1	0.2	2.2	3.4	0.1	1.4	0.1	0.6	0.2	0.1	0.2

Parameter	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07
Temperature (degrees F)	90	116	120	119	122	119	98	103	104	107	121	114	116	118	121	122	100	120
Flow Rate (scfm)	52	78	70	67	21	50	66	67	76	33	60	76	49	36	62	60	51	45
Methane (%)	58.6	57.6	57.1	58.4	57.2	56.8	56.9	53.3	54	53.7	58.3	58.8	56.8	56	57.2	57	55.7	58.8
Carbon Dioxide (%)	41.1	42.3	41.4	41.2	39	43.1	42.6	39.1	40	40.2	40.5	37.5	41.6	43.6	42.2	42.8	39.4	41.1
Oxygen (%)	0.1	0	0.1	--	--	--	--	--	--	0.7	0.1	0.4	0	0.2	0.5	0.1	0.9	0
Balance (%)	0.2	0.1	1.4	0.2	3.3	0.1	0.5	6.5	5	5.4	1.1	3.3	1.6	0.2	0.1	0.1	4	0.1

Parameter	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09
Temperature (degrees F)	121	117	110	120	119	117	123	123	120	121	119	119	119	121	117	119	77	119
Flow Rate (scfm)	60	59	204	69	--	20	19	18	15	16	17	16	17	16	16	19	26	19
Methane (%)	56.8	57.8	58.4	59	56.9	67.9	55.8	54.5	57.4	57.7	57.1	57.7	55.9	57	58.5	63.1	56.2	56.9
Carbon Dioxide (%)	42.5	41.7	40.9	40.9	42.5	26.1	38.1	39.9	42.5	42.2	40	41.7	43.9	42.8	41	36.4	37.9	42
Oxygen (%)	0.5	0.3	0.6	0	0.4	1.2	1.7	0.8	0	0	0.5	0.5	0	0	0.4	0.3	0.8	0.1
Balance (%)	0.2	0.2	0.1	0.1	0.2	4.8	4.4	4.8	0.1	0.1	2.4	0.1	0.2	0.2	0.1	0.2	5.1	1

Parameter	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10			
Temperature (degrees F)	118	118	119	118	118	117	117	115	114	113	115	112	90	110	117			
Flow Rate (scfm)	17	19	20	17	21	17	29	18	45	35	19	39	25	41	30			
Methane (%)	56.9	57.3	59.9	57.5	57.5	58.7	55.5	57	46.1	46.9	58.3	49.3	58.3	49.9	44.1			
Carbon Dioxide (%)	43	42.6	39.6	42.4	42.3	40.5	34.6	40.1	31.4	31.4	41.5	34.6	39.9	37.1	34.5			
Oxygen (%)	0	0	0.3	0	0.1	0.2	1.5	1.2	3.1	4.7	0	3.7	0.5	0.8	2.4			
Balance (%)	0.1	0.1	0.2	0.1	0.1	0.6	8.4	1.7	19.4	17	0.2	12.4	1.3	12.2	19			

TABLE 4
LANDFILL GAS DATA
(continued)

LFG WELL 14 (CONTROL AREA)

Parameter	Sep-02	Oct-02	Nov-02	Dec-02	Jan-03	Apr-03	Jun-03	Aug-03	Sep-03	Oct-03	Nov-03	Dec-03	Jan-04	Feb-04	Mar-04	Apr-04	May-04	Jun-04
Temperature (degrees F)	109	71	107	90	96	92	104	122	90	114	89	75	72	77	100	101	95	103
Flow Rate (scfm)	19	36	60	62	79	34	53	39	24	23	94	4	13	16	20	36	20	18
Methane (%)	56	66.7	59.7	62.2	61.1	56.2	58	59.3	60.5	59	60.2	42.6	48.4	57.4	54.5	62.5	54.8	58
Carbon Dioxide (%)	41.9	33.1	39.3	36.7	38.6	39.7	32.9	35.2	38.3	38.9	38	34.3	34.7	38.7	44.0	37.4	44.9	41.4
Oxygen (%)	1	0.2	0.8	1	0.2	2.2	2.5	0.9	1.0	2	1.6	4.9	3.5	1.6	1.4	0	0.2	0.5
Balance (%)	1.1	0	0	0.1	0.1	1.9	6.6	4.6	0.2	0.1	0.2	18.2	13.4	2.3	0.1	0.1	0.1	0.1

Parameter	Sep-04	Oct-04	Nov-04	Dec-04	Jan-05	Feb-05	Mar-05	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Feb-06	Mar-06
Temperature (degrees F)	86	94	118	114	102	62	88	113	90	96	106	77	102	86	86.2	87	82	53
Flow Rate (scfm)	10	15	21	--	34	24	29	93	14	84	30	9	54	30	16.2	95	52	0
Methane (%)	57.6	54.5	50	57.2	56.7	56	56.1	57.3	55.4	52.7	52.9	41.7	54.6	53.7	52.23	44.1	53.1	51
Carbon Dioxide (%)	41.5	41.2	39.8	39.1	42.5	40.8	41.7	39.3	40.1	37.1	38.7	33.9	40.4	38.7	39.23	32.3	36.2	37.8
Oxygen (%)	0.8	0.7	1.6	1	0.6	1.1	0.7	0.9	1	2.2	1.6	3.6	1.1	1.6	1.51	4.7	2	1.9
Balance (%)	0.1	3.6	8.6	2.7	0.2	2.1	1.5	2.5	3.5	8	6.8	20.8	3.9	6	7.1	18.9	8.7	9.3

Parameter	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07
Temperature (degrees F)	80	71	84	80	90	72	69	54	86	63	90	75	60	72	86	82	98	71
Flow Rate (scfm)	13	56	42	31	25	18	39	0	0	15	55	51	16	28	45	29	52	42
Methane (%)	54.1	49.2	46.2	52.6	52.3	54.2	52.9	52.5	53	51.5	53.8	56.4	55.9	54	51.3	53.3	52.7	55.8
Carbon Dioxide (%)	39.1	35.3	37.3	39	36.4	38.7	35.9	33.4	33.2	37.3	37.8	41	39.6	40.8	36.7	38.4	37	37.3
Oxygen (%)	1.3	2	1.9	--	--	--	--	--	--	2.3	1.5	0.6	0.1	1.3	2.9	1.5	2	1.6
Balance (%)	5.5	13.5	14.6	7.3	9.5	6.3	9.8	12.1	12.8	8.9	6.9	2	4.4	3.9	9.1	6.8	8.3	5.3

Parameter	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09
Temperature (degrees F)	81	49	57	62	36	91	100	110	105	102	108	104	103	105	92	89	90	97
Flow Rate (scfm)	105	218	--	195	213	115	6	5	4	2	4	4	5	4	3	3	3	4
Methane (%)	57.4	52.8	56.7	55.7	41.5	59	47.7	51.8	51.5	51.9	58.2	54.9	57	55.7	54.5	56.3	56.5	58.2
Carbon Dioxide (%)	39.8	36.4	38.1	37.9	30.7	40.3	34.9	37.7	38.6	39	40.8	40.1	42.6	39.8	38.9	39.9	40.9	41.3
Oxygen (%)	1.3	2.2	0.3	1.1	3.6	0.4	3.7	1.6	2	2	0	1.3	0.3	1.3	1.8	1.2	0.1	0
Balance (%)	1.5	8.6	4.9	5.3	24.2	0.3	13.7	8.9	7.9	7.1	1	3.7	0.1	3.2	4.8	2.6	2.5	0.5

Parameter	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10			
Temperature (degrees F)	92	97	101	106	104	99	96	98	84	81	83	75	95	90	95			
Flow Rate (scfm)	4	4	4	4	4	4	3	4	5	8	5	4	5	5	5			
Methane (%)	55	57.8	55.2	58.5	55.5	59	49.2	58.2	58.7	53.7	56	51.6	59.5	51.7	51			
Carbon Dioxide (%)	40.1	42.1	39.1	39.9	39.6	40.8	38.5	41.6	40.1	39.4	38.4	33.8	40.4	35.8	35.4			
Oxygen (%)	0.8	0	1.1	0.4	0.7	0.1	1	0	0.5	0.7	1.2	3.4	0	2.5	2.9			
Balance (%)	4.1	0.1	4.6	1.2	4.2	0.1	11.3	0.2	0.7	6.2	4.4	11.2	0.1	10	10.7			

TABLE 4
LANDFILL GAS DATA
(continued)

LFG WELL 15 (CONTROL AREA)

Parameter	Sep-02	Oct-02	Nov-02	Dec-02	Jan-03	Apr-03	Jun-03	Aug-03	Sep-03	Oct-03	Nov-03	Dec-03	Jan-04	Feb-04	Mar-04	Apr-04	May-04	Jun-04
Temperature (degrees F)	111	73	93	79	99	88	75	117	77	69	83	61	70	71	79	101	90	93
Flow Rate (scfm)	22	49	49	46	79	21	60	21	71	4	87	25	19	2	17	23	29	26
Methane (%)	54	56.7	56.7	51	56.8	59.1	51.7	50.7	60.7	61.9	44.1	51.8	45.6	46.9	53.3	61.1	56.2	58
Carbon Dioxide (%)	40.6	41.3	38.6	36.4	36.9	39.6	37.2	40.5	37.5	36.7	31.4	40.2	33.4	34.2	45.6	38.8	43.3	41.6
Oxygen (%)	0.6	0.4	1.9	1.7	0.5	1.1	2.9	0.9	1.6	1.2	4.8	1.6	4.7	4.2	1	0	0.3	0.3
Balance (%)	4.8	1.6	3	10.9	5.8	0.2	8.2	7.9	0.2	0.2	19.7	6.4	16.3	14.7	0.1	0.1	0.2	0.1

Parameter	Sep-04	Oct-04	Nov-04	Dec-04	Jan-05	Feb-05	Mar-05	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Feb-06	Mar-06
Temperature (degrees F)	77	79	90	88	70	65	69	90	78	94	98	81	98	81	83	101	53	58
Flow Rate (scfm)	17	22	89	--	6	4	7	0	5	82	38	1	6	3	1	68	19	0
Methane (%)	56.8	56.1	55.7	60	58.7	56.1	58.7	58.2	58.2	51.3	58.3	45.3	58.8	57.8	57.3	59.5	56.5	47.5
Carbon Dioxide (%)	39.7	41.4	41.1	37.5	41.2	41.1	40.8	40.1	41.3	34.3	40.7	31.9	40.7	41.2	40.4	39.4	36.1	36.4
Oxygen (%)	0.5	1	0.7	0.6	0	2.6	0.3	0.9	0.3	2.1	0.2	4	0.3	0.8	0.8	0.9	1.6	0.8
Balance (%)	3	1.5	2.5	1.9	0.1	0.2	0.2	0.8	0.2	12.3	0.8	18.8	0.2	0.2	1.5	0.2	5.8	15.3

Parameter	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07
Temperature (degrees F)	62	73	81	101	88	75	87	48	89	128	121	78	56	70	82	88	113	83
Flow Rate (scfm)	24	89	5	48	12	65	15	6	5	63	55	42	26	3	9	19	47	53
Methane (%)	58.3	38.6	43.3	55.1	54.7	58	55.5	48.4	49.4	55.8	54.5	44.6	39.6	59.2	59.8	58.3	59.7	57
Carbon Dioxide (%)	38	28.3	29.6	41.9	33	40.1	40.4	33.1	32.1	37.6	41.6	33	36.2	40.4	39.6	40.2	40.1	41.8
Oxygen (%)	1.1	3.9	3.2	--	--	--	--	--	--	0.5	1.2	3.8	4.5	0.3	0.5	0.7	0	1
Balance (%)	2.6	29.2	23.9	2.7	11.3	1.7	3.5	16	16.3	6.1	2.7	18.6	19.7	0.1	0.1	0.8	0.2	0.2

Parameter	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09
Temperature (degrees F)	78	69	72	65	54	50	74	85	91	92	96	88	73	75	50	56	37	61
Flow Rate (scfm)	10	76	--	46	38	--	9	0	0	1	2	0	1	5	1	0	0	0
Methane (%)	56.1	59.3	58.6	57.4	52.5	51.6	57.9	57.5	59.6	60	46	59.3	58.3	53.9	58.6	58.5	60.5	59.1
Carbon Dioxide (%)	38	40.1	40	36.8	39.9	33	37.5	37.8	40.3	39.7	31.5	40.2	41	37.7	41.3	41.4	37.6	39.7
Oxygen (%)	1.8	0.4	0.9	1.4	0.9	3.3	1.3	1	0	0.2	4.4	0.4	0.6	1.9	0	0	0.3	0.1
Balance (%)	4.1	--	0.5	4.4	6.7	12.1	3.3	3.7	0.1	0.1	18.1	0.1	0.1	6.5	0.1	0.1	1.6	1.1

Parameter	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10			
Temperature (degrees F)	60	59	95	88	99	86	66	58	45	28	43	92	96	87	90			
Flow Rate (scfm)	0	1	0	0	1	0	2	1	4	2	0	5	6	7	10			
Methane (%)	58.9	59.1	60.1	60.4	56.8	59.5	51.6	59.5	52.9	45.3	59.6	59	59.5	52.4	54			
Carbon Dioxide (%)	41	40.7	39.8	39.4	38.6	38	35.2	40.4	34.1	31	38	40.6	39.8	35.5	37.4			
Oxygen (%)	0	0	0	0	0.6	0.2	1.5	0	3	4.9	0.7	0.2	0.6	2	2			
Balance (%)	0.1	0.2	0.1	0.2	4	2.3	11.7	0.1	10	18.8	1.7	0.2	0.1	10.1	6.6			

TABLE 4
LANDFILL GAS DATA
(continued)

LFG WELL 16 (CONTROL AREA)

Parameter	Sep-02	Oct-02	Nov-02	Dec-02	Jan-03	Apr-03	Jun-03	Aug-03	Sep-03	Oct-03	Nov-03	Dec-03	Jan-04	Feb-04	Mar-04	Apr-04	May-04	Jun-04
Temperature (degrees F)	90	94	61	110	62	79	91	106	67	62	87	43	45	56	56	72	90	95
Flow Rate (scfm)	0	12	65.4	52	79	9	66	73	89	61	89	0	21	10	13	15	30	18
Methane (%)	53	57.6	57.2	58	60.8	48.7	60.3	41.7	46.7	29.6	53.9	1.3	57.9	53.8	50.4	50	53.8	45.3
Carbon Dioxide (%)	40	40.5	41.3	41.2	38.5	36.2	35.3	34.7	34.4	32.7	37.2	0.8	41.6	40.4	42.2	34.1	45.9	36.9
Oxygen (%)	1.7	0.8	1.3	0.7	0.6	4.9	2.7	3.8	3.4	4.3	2.9	21.8	0.4	1	3.5	1.7	0.1	4
Balance (%)	5.3	1.1	0	0.1	0.1	10.2	1.7	19.8	15.5	33.4	6	76.1	0.1	4.8	3.9	14.2	0.2	13.8

Parameter	Sep-04	Oct-04	Nov-04	Dec-04	Jan-05	Feb-05	Mar-05	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Feb-06	Mar-06
Temperature (degrees F)	72	85	61	73	78	57	104	83	105	87	89	95	85	53	83	50	83	52
Flow Rate (scfm)	9	28	5	--	0	0	0	0	308	114	90	104	57	32	81	1	29	0
Methane (%)	55.3	55.4	55.7	55.3	56.9	35	57.3	56.4	53.7	48.7	50.8	57.9	45.7	47.6	41.2	52.1	53.3	34.3
Carbon Dioxide (%)	40.8	44.2	43	40.8	42.5	32.3	42.1	43.1	39.5	35.9	39.1	39.6	32.9	34.6	31	36.6	36.1	36.5
Oxygen (%)	0.8	0.3	1.1	0.8	0.4	4.7	0.4	0.3	0.8	3.1	3.9	1	4.7	3.3	4.4	3.1	2.4	3.6
Balance (%)	3.1	0.1	0.2	3.1	0.2	28	0.2	0.2	6	12.3	6.2	1.5	16.7	14.5	23.4	8.2	8.2	25.6

Parameter	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07
Temperature (degrees F)	62	74	87	82	96	97	48	49	--	58	--	--	--	--	--	--	98	113
Flow Rate (scfm)	0	85	57	2	0	34	20	0	--	60	--	--	--	--	--	--	23	3
Methane (%)	21.3	39	32.4	54.4	53.6	49.4	38.2	0.3	--	54.7	--	--	--	--	--	--	53	58.1
Carbon Dioxide (%)	28.2	28.1	29.8	39	33.6	40.2	25.8	7.5	--	38.1	--	--	--	--	--	--	39.1	41.8
Oxygen (%)	3.4	4	3.6	--	--	--	--	--	--	0.6	--	--	--	--	--	--	0.3	0
Balance (%)	47.1	28.9	34.2	5.6	11.2	9.9	31.2	74.4	--	6.6	--	--	--	--	--	--	7.6	0.1

Parameter	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09
Temperature (degrees F)	--	106	--	22	43	47	44	40	105	105	107	110	110	111	109	106	105	106
Flow Rate (scfm)	--	15	19	116	90	101	104	107	44	46	55	46	51	51	56	35	35	35
Methane (%)	--	59	59	58.7	58.1	57.4	57.5	56.3	57.8	54.8	47.9	51.8	56.9	54.6	57.7	58	56.4	57.7
Carbon Dioxide (%)	42	40.5	40.2	41.2	41.5	40	40.5	41.4	42.1	41.2	39.1	39.3	42.6	41.1	41.8	41.9	41.2	42.1
Oxygen (%)	0.4	0.3	0.7	0	0.3	0.4	0.7	0.4	0	0	0.1	1.1	0.3	0	0	0	0	0
Balance (%)	0.1	0.2	0.1	0.1	0.1	2.2	1.3	1.9	0.1	4	12.9	7.8	0.2	4.3	0.5	0.1	2.4	0.2

Parameter	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10			
Temperature (degrees F)	108	105	105	106	108	109	111	107	103	93	52	51	86	87	102			
Flow Rate (scfm)	32	39	43	43	49	49	44	11	9	34	10	30	7	35	9			
Methane (%)	57.1	57.4	57.5	57.4	51.9	52.3	46.9	57.6	53.4	46.3	58.6	52.7	59.1	58.4	47.9			
Carbon Dioxide (%)	42.8	42.5	42.4	42.5	39.6	39.9	36.2	42.3	35.4	32.3	41.3	33.6	40.8	41.5	40.6			
Oxygen (%)	0	0	0	0	0.1	0	1.7	0	2.8	4.5	0	3.4	0	0	0.5			
Balance (%)	0.1	0.1	0.1	0.1	8.4	7.8	15.2	0.1	8.4	16.9	0.1	10.3	0.1	0.1	11			

TABLE 4
LANDFILL GAS DATA
(continued)

LFG WELL 17 (CONTROL AREA)

Parameter	Sep-02	Oct-02	Nov-02	Dec-02	Jan-03	Apr-03	Jun-03	Aug-03	Sep-03	Oct-03	Nov-03	Dec-03	Jan-04	Feb-04	Mar-04	Apr-04	May-04	Jun-04
Temperature (degrees F)	90	83	90	96	97	99	98	118	86	70	87	55	74	72	119	86	82	96
Flow Rate (scfm)	30	48	51	69	43	39	13	31	91	8	95	18	7	13	15	20	9	19
Methane (%)	52	54.1	59	55.5	54.6	53.8	53.3	57.0	58.9	61.9	64.8	45.5	48.3	48.8	54.3	60.1	56.5	57.3
Carbon Dioxide (%)	39.4	39.2	39.6	37.1	37.5	39.1	37	36.2	40.2	36.6	33.5	36.7	35.7	33.7	43.9	39.8	42.8	41.7
Oxygen (%)	0.8	0.4	1.2	0.4	1.3	1.4	2.3	0.7	0.8	1.3	1.5	3.7	3.5	4.1	1.7	0	0.5	0.9
Balance (%)	7.8	6.3	0	7	6.6	5.7	7.4	6.1	0.1	0.2	0.2	14.1	12.5	13.4	0.1	0.1	0.2	0.1

Parameter	Sep-04	Oct-04	Nov-04	Dec-04	Jan-05	Feb-05	Mar-05	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Feb-06	Mar-06
Temperature (degrees F)	95	96	118	94	96	103	85	92	91	88	99	101	111	67	87	54	62	57
Flow Rate (scfm)	5	25	17	--	0	0	15	21	0	85	29	1	1	44	1	101	61	0
Methane (%)	56	56.9	53.9	59.5	53.4	57.2	57.2	56.2	58.1	59.5	52.6	52.4	52.9	48.8	49.7	56.8	65.7	58.8
Carbon Dioxide (%)	40.2	42	40.2	40.4	41.7	41.9	42.3	39.3	40.2	38.8	37.9	36.2	38	39.9	36.1	37.4	31.6	40.8
Oxygen (%)	1	0.8	1.2	0	0	0.8	0.4	0.9	0.5	1.1	1.6	2.5	1.9	2	2.6	1.8	2.5	0.2
Balance (%)	2.8	0.3	4.7	0.1	4.9	0.1	0.1	3.6	1.2	0.6	7.9	8.9	7.2	9.3	11.6	4	0.2	0.2

Parameter	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07
Temperature (degrees F)	68	65	86	94	88	64	66	53	78	42	62	76	69	81	100	94	99	82
Flow Rate (scfm)	35	58	61	0	5	5	0	0	0	7	48	42	--	--	11	21	--	11
Methane (%)	30.1	39.6	57.7	50.8	43.3	45	35.2	43.2	48.5	53.8	47.2	48	46.8	48.1	56.9	49.7	51.9	50.4
Carbon Dioxide (%)	31.7	32.1	41	35.6	29.7	28.2	25.7	32.6	36.5	38.2	36.1	31.2	28.7	34.1	37.2	35.2	35.1	34.3
Oxygen (%)	3.9	3.5	0.1	--	--	--	--	--	--	1.3	1.1	4.8	4.7	3.8	1.5	2.8	2.6	1.8
Balance (%)	34.3	24.8	1.2	12	23.7	23.1	34.6	21.3	14	6.7	15.6	16	19.8	14	4.4	12.3	10.4	13.5

Parameter	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09
Temperature (degrees F)	80	50	78	62	47	67	85	79	77	114	111	114	90	105	105	66	68	81
Flow Rate (scfm)	13	2	56	0	13	31	2	3	1	10	5	5	4	4	7	1	1	3
Methane (%)	52.3	45.8	59.5	60	50	59.3	56	59.6	59.1	58.7	56.8	57.7	55.1	57	57	59	58.9	59
Carbon Dioxide (%)	36.6	30.6	39.1	39.1	34.5	39.9	37.2	39.5	40.7	41.1	42.9	41.8	44.8	42.9	42.9	40.9	39.1	39.6
Oxygen (%)	2.8	4.9	1.2	0.6	2.6	0.7	1.7	0.8	0.1	0	0.2	0.3	0	0	0	0	0	0
Balance (%)	8.3	18.7	0.2	0.3	12.9	0.1	5.1	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.1	2	1.4

Parameter	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10			
Temperature (degrees F)	64	68	84	111	109	111	111	105	50	50	41	51	87	74	80			
Flow Rate (scfm)	2	2	2	4	5	6	7	7	2	5	2	2	2	2	2			
Methane (%)	58.7	58.5	58.3	58.6	58.3	59	56.1	57.9	56.1	49	60.6	54.9	58.3	58.7	53.7			
Carbon Dioxide (%)	41.2	41.4	41.6	41.3	41.5	40.8	41.2	42	35.9	31.4	39	36.6	41.5	41.2	37.5			
Oxygen (%)	0	0	0	0	0	0	0.3	0	2.1	4.2	0.3	2.1	0	0	2.9			
Balance (%)	0.1	0.1	0.1	0.1	0.2	0.2	2.4	0.1	5.9	15.4	0.1	6.4	0.2	0.1	5.9			

TABLE 4
LANDFILL GAS DATA
(continued)

LFG WELL 18 (CONTROL AREA)

Parameter	Sep-02	Oct-02	Nov-02	Dec-02	Jan-03	Apr-03	Jun-03	Aug-03	Sep-03	Oct-03	Nov-03	Dec-03	Jan-04	Feb-04	Mar-04	Apr-04	May-04	Jun-04
Temperature (degrees F)	109	93	103	103	70	101	117	115	92	100	78	118	87	50	118	95	119	121
Flow Rate (scfm)	10	25	23	60	72	22	24	30	93	12	96	69	14	13	19	21	27	30
Methane (%)	58	63.1	64.4	67.5	59.3	57.6	62.7	57.4	62.7	65.2	67.9	54.6	53.2	48.2	54.1	60.6	58.8	59.2
Carbon Dioxide (%)	41.3	36.4	35.3	31.5	39.3	41.4	36.5	35.0	36.6	33.5	31.5	40	36.4	31.1	43.7	39.2	41.1	40.6
Oxygen (%)	0.7	0.5	0.2	0.8	1	0.7	0.7	0.9	0.5	1.2	0.4	0.6	2.2	4.7	2	0	0	0.1
Balance (%)	0	0	0	0.2	0.4	0.3	0.1	6.7	0.2	0.1	0.2	4.8	8.2	16	0.2	0.2	0.1	0.1

Parameter	Sep-04	Oct-04	Nov-04	Dec-04	Jan-05	Feb-05	Mar-05	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Feb-06	Mar-06
Temperature (degrees F)	112	94	92	89	114	76	112	98	88	88	95	100	111	63	125	80	65	120
Flow Rate (scfm)	7	15	21	--	0	11	211	15	2	85	35	2	1	34	84	96	60	0
Methane (%)	57.8	54.1	55.6	59.3	58	58.5	57.9	58.4	58.9	57.3	58.8	56	58.1	58.9	55.3	59.4	62.1	56.2
Carbon Dioxide (%)	39.6	40.6	40.8	39.2	41.9	41.1	41.3	39.6	40.3	36.9	39.8	35.5	40.2	38.1	38	39.2	35.2	39.1
Oxygen (%)	0.4	1.8	1.1	0	0	0	0.6	0.6	0.4	1.2	0.4	1.7	0.5	1.7	1	1.2	0.6	1.6
Balance (%)	2.2	3.5	2.5	1.5	0.1	0.4	0.2	1.4	0.4	4.6	1	6.8	1.2	1.3	5.7	0.2	2.1	3.1

Parameter	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07
Temperature (degrees F)	66	114	123	101	128	109	110	94	97	81	90	100	90	102	93	115	99	106
Flow Rate (scfm)	35	56	44	0	7	9	5	0	0	--	45	40	17	9	14	22	--	--
Methane (%)	57.8	59	51.4	57.4	58.4	56.4	58.3	54.8	54.9	53.5	56.9	56.7	57.9	58.8	58.8	58.7	55.7	59
Carbon Dioxide (%)	38.5	39.7	37.9	40.5	38.9	36.1	41.2	38.2	37.8	37.2	37.5	39.3	34.9	40.2	39.9	40.7	38.2	40.4
Oxygen (%)	0.9	0.3	1.1	--	--	--	--	--	--	1.6	1.2	0.4	0.2	0.7	1.1	0.5	1.3	0.5
Balance (%)	2.8	1	9.6	1.7	2.3	6.2	0.3	6	6.3	7.7	4.4	3.6	7	0.3	0.2	0.1	4.8	0.1

Parameter	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09
Temperature (degrees F)	93	85	99	87	83	73	94	87	91	99	121	104	95	92	72	78	79	88
Flow Rate (scfm)	23	14	58	21	14	6	5	--	5	4	6	--	4	3	5	3	3	5
Methane (%)	58.3	56	59.1	59.8	59.2	59.2	56.2	59.5	58.4	56.9	57.3	58.2	56.5	47.2	58.1	57.5	57.8	57.2
Carbon Dioxide (%)	41	35.9	38.7	40.1	40.3	40.7	39	39.9	41.5	40.7	41.6	41.4	43.4	34.7	41.8	42.4	40.4	40.9
Oxygen (%)	0.6	0.5	0.9	0	0.3	0	1	0.4	0	0	0.9	0.2	0	3.2	0	0	0	0
Balance (%)	0.1	7.6	1.3	0.1	0.2	0.1	3.8	0.2	0.1	2.4	0.2	0.2	0.1	14.9	0.1	0.1	1.8	1.9

Parameter	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10			
Temperature (degrees F)	83	87	98	102	103	108	99	94	53	45	45	57	89	76	90			
Flow Rate (scfm)	5	6	7	7	5	5	10	5	11	13	6	11	8	11	8			
Methane (%)	58	58.2	54.7	50.9	42.7	46.4	53.3	59.2	55.3	49.8	58.9	53.6	56.9	45.8	53.9			
Carbon Dioxide (%)	41.9	41.7	40.7	39.3	35.8	36	39.7	40.6	34.8	32.8	39.4	35.7	39	39.2	40.9			
Oxygen (%)	0	0	0	0	0.7	0.4	0.4	0.1	2.6	3.6	0.6	2.4	0.7	0.1	0.4			
Balance (%)	0.1	0.1	4.6	9.8	20.8	17.2	6.6	0.1	7.3	13.8	1.1	8.3	3.4	14.9	4.8			

TABLE 4
LANDFILL GAS DATA
(continued)

LFG WELL 29 (CONTROL AREA)

Parameter	Sep-02	Oct-02	Nov-02	Dec-02	Jan-03	Apr-03	Jun-03	Aug-03	Sep-03	Oct-03	Nov-03	Dec-03	Jan-04	Feb-04	Mar-04	Apr-04	May-04	Jun-04
Temperature (degrees F)	105	85	103	110	69	105	129	106	95	112	114	115	50	115	114	104	121	124
Flow Rate (scfm)	43	6	25	56	81	41	77	77	77	66	14	17	14	17	20	20	23	25
Methane (%)	55	59.3	64.4	50.5	45.9	59.4	55.7	51.3	47.5	50.5	53.1	49.4	43.7	61.6	55	53.9	55.6	57.4
Carbon Dioxide (%)	36.9	39.5	35.3	34.1	35	39.7	38.1	38.5	43.0	34.9	35.9	39.8	32.7	38.1	42.5	36.6	43.7	41.9
Oxygen (%)	2.1	1.2	0.2	4.5	0.3	0.8	1	1.4	2.0	3.6	3.2	2.2	4.6	0.1	2.4	1.1	0.6	0.5
Balance (%)	6	0	0	10.9	18.8	0.1	5.2	8.8	7.5	11	7.8	8.6	19	0.2	0.1	8.4	0.1	0.2

Parameter	Sep-04	Oct-04	Nov-04	Dec-04	Jan-05	Feb-05	Mar-05	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Feb-06	Mar-06
Temperature (degrees F)	121	123	119	116	110	113	105	116	116	91	121	100	75	122	121	32	65	77
Flow Rate (scfm)	12	18	9	--	0	68	13	0	0	81	25	102	54	86	127	169	28	33
Methane (%)	58.3	54.6	56.2	59.7	59.5	56	55	58.1	56.8	52.9	54	33.8	46.1	55	51.9	55.6	60	56.9
Carbon Dioxide (%)	40.2	40.3	41.9	38.6	40.1	42.1	42.6	41.4	39.7	36.4	38	29.9	49	42.4	38.9	41.5	39.6	40.6
Oxygen (%)	0.3	1.4	0.6	0.5	0.3	0.6	2.3	0.3	0.8	2.3	1.4	4.5	4.8	0.4	0.8	2.7	0.3	0.4
Balance (%)	1.2	3.7	1.3	1.2	0.1	1.3	0.1	0.2	2.7	8.4	6.6	31.8	0.1	2.2	8.4	0.2	0.1	2.1

Parameter	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07
Temperature (degrees F)	83	82	94	90	94	89	86	76	66	107	73	88	88	80	94	90	102	102
Flow Rate (scfm)	58	73	82	0	35	36	73	77	29	58	76	69	52	53	48	52	31	22
Methane (%)	52.8	56.9	45.8	54.4	45.1	56.1	55.5	54.8	53.4	53.3	51.4	50.6	51.2	53.3	56.1	41.5	42.5	47.1
Carbon Dioxide (%)	39.5	39	37	41.1	37.1	41.2	40	39.3	36.8	39.3	38.4	36.4	38.1	39.6	39.3	32.8	33	35.7
Oxygen (%)	0.7	0.3	0.4	--	--	--	--	--	--	1	0	1	0.5	1.1	1.2	2.4	2.9	1.7
Balance (%)	7	3.8	16.8	4	17.1	2.3	4.2	5.3	9	6.4	10.2	12	10.2	6	3.4	23.3	21.6	15.5

Parameter	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09
Temperature (degrees F)	98	86	100	81	58	117	119	120	119	121	122	124	121	126	119	116	118	118
Flow Rate (scfm)	20	36	27	34	46	32	36	40	40	44	45	29	35	37	25	28	37	38
Methane (%)	53.3	45.7	40.7	54	50.4	53.4	56.7	51.3	52	45.7	40.2	54.4	56.3	49.1	56.9	56.2	51.6	51.5
Carbon Dioxide (%)	37.9	33.9	31.2	37.4	37.2	38.1	40.3	39.3	40.7	35.8	32.9	40.1	43.1	39.2	43	43.7	37.4	40.4
Oxygen (%)	1.6	1.8	2.6	0.9	1.4	0.2	0.2	0.5	0.3	1.7	3.1	0.7	0.4	0.8	0	0	0.2	0.1
Balance (%)	7.2	18.6	25.5	7.7	11	8.3	2.8	8.9	7	16.8	23.8	4.8	0.2	10.9	0.1	0.1	10.8	8

Parameter	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10			
Temperature (degrees F)	116	116	118	120	123	123	123	113	108	114	100	105	103	110	115			
Flow Rate (scfm)	37	40	38	38	27	24	20	25	41	46	30	39	29	39	29			
Methane (%)	53.5	54.9	51.5	48.2	45.2	48.1	48.2	57.7	58.1	48.1	58.9	57.2	55.7	49	50.9			
Carbon Dioxide (%)	41.8	41.1	40.5	38.3	36.4	37.1	38.2	42.1	40	36.2	40.7	40.9	40.1	37.8	41.5			
Oxygen (%)	0	0	0	0.6	0.9	0.6	0.9	0.1	0.9	1.9	0.3	0	0.3	0.1	0.7			
Balance (%)	4.7	4	8	12.9	17.5	14.2	12.7	0.1	1	13.8	0.1	1.9	3.9	13.1	6.9			

TABLE 4
LANDFILL GAS DATA
(continued)

LFG WELL 30 (CONTROL AREA)

Parameter	Sep-02	Oct-02	Nov-02	Dec-02	Jan-03	Apr-03	Jun-03	Aug-03	Sep-03	Oct-03	Nov-03	Dec-03	Jan-04	Feb-04	Mar-04	Apr-04	May-04	Jun-04
Temperature (degrees F)	105	69	96	100	83	129	99	93	96	121	121	118	98	121	61	109	74	111
Flow Rate (scfm)	5	62	55	64	96	27	49	53	83	58	75	84	92	90	23	44	110	86
Methane (%)	60	53.7	64.3	46.7	50.9	43.8	51.6	47.8	52.0	67.5	59.2	50	44.5	48.7	51.2	59.8	49.6	56.7
Carbon Dioxide (%)	39.5	35.3	35.2	35.9	36.1	35.4	34.4	39.2	33.9	31.1	39.3	40.8	35.4	33.5	47.5	39	40.6	42.9
Oxygen (%)	0.5	0.5	0.3	0.3	0.6	0.3	3.5	1.7	1.0	1.2	1.3	1.7	1.8	3.4	1.1	0	0.9	0.3
Balance (%)	0	10.5	0	17.1	12.4	20.5	10.5	11.3	13.1	0.2	0.2	7.5	18.3	14.4	0.2	1.2	8.9	0.1

Parameter	Sep-04	Oct-04	Nov-04	Dec-04	Jan-05	Feb-05	Mar-05	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Feb-06	Mar-06
Temperature (degrees F)	109	93	125	123	119	113	115	77	86	115	93	112	116	108	70	44	56	124
Flow Rate (scfm)	27	64	86	--	86	87	68	81	47	60	131	133	79	55	107	115	76	62
Methane (%)	57.6	55.4	49.7	51.6	49	46.4	48.2	47.8	57.5	47.2	56.5	47	52.1	54.7	50.6	57.7	50.5	47.9
Carbon Dioxide (%)	40.2	43.3	38.9	36.9	36.8	36.8	37.7	37.3	40.6	36.9	41.3	35.8	40.4	41.5	39	39.1	38.1	40.1
Oxygen (%)	0.3	0.1	0.5	0.3	0	0.2	0.6	0.7	0.5	0.5	0.2	0.9	0.4	0.2	0.4	0.6	0.6	1
Balance (%)	1.9	1.2	10.9	11.2	14.2	16.6	13.5	14.2	1.4	15.4	2	16.3	7.1	3.6	10	2.6	10.8	11

Parameter	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07
Temperature (degrees F)	84	74	73	109	122	111	125	91	91	121	129	124	126	128	127	135	115	136
Flow Rate (scfm)	59	71	115	57	24	27	37	48	49	43	68	60	43	47	41	59	26	41
Methane (%)	47.7	47.1	49.2	49.5	37.9	59.3	56.8	55.1	55	54.4	54.5	53.8	55.9	55.3	55.2	51.5	48	49.1
Carbon Dioxide (%)	36.8	36.2	39.1	40.5	29.4	40.1	42.6	40.8	41	39.8	41.1	39.5	33.4	41.5	38.7	39.1	36.7	37.4
Oxygen (%)	0.9	0.8	0.7	--	--	--	--	--	--	1.4	0.3	0	0.4	0.2	0.2	0	0.9	0
Balance (%)	14.6	15.9	11	9.5	31.7	0.2	0.6	4	3.8	4.4	4.1	6.7	10.3	3	5.9	9.4	14.4	13.5

Parameter	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09
Temperature (degrees F)	83	134	105	129	134	138	139	135	136	137	134	133	130	133	132	126	127	129
Flow Rate (scfm)	37	24	37	20	45	21	29	28	28	26	23	22	12	16	19	13	17	17
Methane (%)	52.2	57.1	48.2	59.6	51.1	56.4	51.7	54.5	52.9	52.3	54.5	54	56.9	55.9	56.4	56	52.4	53.4
Carbon Dioxide (%)	39.2	38.9	36.4	40.3	38.4	39.6	39.1	39.9	40.4	40.4	41.4	41.4	43	44	43.5	43.9	41.2	41.8
Oxygen (%)	0.1	0.7	0.4	0	0.4	0	0.7	0.4	0	0	0.4	0.3	0	0	0	0	0.2	0.3
Balance (%)	8.5	3.3	15	0.1	10.1	4	8.5	5.2	6.7	7.3	3.7	4.3	0.1	0.1	0.1	0.1	6.2	4.5

Parameter	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10			
Temperature (degrees F)	126	126	125	126	126	126	127	124	84	74	41	68	62	73	92			
Flow Rate (scfm)	14	14	12	13	16	16	18	16	10	10	3	4	7	4	3			
Methane (%)	56.2	56	56.2	57.2	52.1	54	54.1	54.8	45.9	57.4	45.2	56.6	56.6	42.8	55			
Carbon Dioxide (%)	43.7	43.9	43.7	42.7	39.6	40.4	42.3	41	33.7	42.3	33.9	43.3	40.9	32.8	44.9			
Oxygen (%)	0	0	0	0	0.6	0.5	0.5	0.7	4.3	0.2	4.5	0	0	4.6	0			
Balance (%)	0.1	0.1	0.1	0.1	7.7	5.1	3.1	3.5	16.1	0.1	16.4	0.1	2.5	19.8	0.1			

TABLE 4
LANDFILL GAS DATA
(continued)

LFG WELL 31 (CONTROL AREA)

Parameter	Sep-02	Oct-02	Nov-02	Dec-02	Jan-03	Apr-03	Jun-03	Aug-03	Sep-03	Oct-03	Nov-03	Dec-03	Jan-04	Feb-04	Mar-04	Apr-04	May-04	Jun-04
Temperature (degrees F)	100	89	111	100	64	96	112	101	114	77	101	86	54	88	113	113	107	121
Flow Rate (scfm)	30	65	39	64	66	30	73	58	116	66	80	82	79	81	92	66	14	21
Methane (%)	55	41.6	64.8	46.9	59	39	51.4	52.0	60.6	57.9	58.7	47.5	44.9	51.7	46.2	57.2	42.9	57.9
Carbon Dioxide (%)	42.3	33.4	34.4	34.7	35.7	34.4	37.1	33.5	39.2	41.1	40.6	40.2	35.3	35.4	38.8	38.1	36.3	41.8
Oxygen (%)	0.9	0.5	0.6	0.2	1.8	1.1	1.2	1.7	0.0	0.9	0.5	1	1.7	1.4	1.1	0	0.2	0.1
Balance (%)	1.8	24.5	0	18.2	3.5	25.5	10.3	12.8	0.2	0.1	0.2	11.3	18.1	11.5	13.9	4.7	20.6	0.2

Parameter	Sep-04	Oct-04	Nov-04	Dec-04	Jan-05	Feb-05	Mar-05	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Feb-06	Mar-06
Temperature (degrees F)	112	87	108	119	108	92	111	97	92	89	107	116	105	79	90	72	91	86
Flow Rate (scfm)	34	68	40	--	49	46	31	80	100	99	57	54	14	64	102	112	77	93
Methane (%)	56.8	48.2	36.6	47.6	41.3	36.9	46.6	40.9	57.2	39.4	43.8	41.7	53.3	57	40.8	44.8	46	49.9
Carbon Dioxide (%)	40.2	39.5	34	35.5	33.4	32.7	36.5	33.1	39.7	32.3	35.9	36	39.4	41.4	34.8	33.7	34.5	39.2
Oxygen (%)	0.5	0.7	0.7	0	0	0.7	0.2	1.1	0.6	0.6	0.9	0.1	0.6	0.7	0.2	1.1	1.4	0.7
Balance (%)	2.5	11.6	28.7	16.9	25.3	29.7	16.7	24.9	2.5	27.7	19.4	22.2	6.7	0.9	24.2	20.4	18.1	10.2

Parameter	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07
Temperature (degrees F)	97	97	107	102	115	97	114	97	97	102	119	107	105	117	98	78	120	116
Flow Rate (scfm)	61	75	75	40	43	25	32	38	34	39	63	59	41	48	46	53	34	52
Methane (%)	38.6	41.9	38.2	50.9	45.1	57.7	50.8	47.7	48.6	54.2	52.6	51.9	56.4	52	50.2	50.6	44.7	56.7
Carbon Dioxide (%)	35.2	34.5	34.6	37.4	36.7	42	39.7	36.9	37.6	39.9	39	36.7	32.5	39.2	37	37.6	37.1	39.1
Oxygen (%)	1.5	0.6	0.3	--	--	--	--	--	--	0	0	0	0.6	0	0.8	0.6	0.4	0
Balance (%)	24.7	23	26.9	11.2	18.1	0.1	9.5	15.2	13.5	5.9	8.4	11.4	10.5	8.8	12	11.2	17.8	4.2

Parameter	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09
Temperature (degrees F)	81	93	103	70	69	138	124	129	129	126	124	124	125	129	129	129	129	129
Flow Rate (scfm)	34	41	46	53	71	20	20	24	26	33	40	43	44	46	48	40	41	41
Methane (%)	51.6	57.7	37.9	39.8	41	57	41.8	58.9	57.2	58.2	56.3	53.6	53.6	48.1	52.7	55.1	50.1	55.1
Carbon Dioxide (%)	36.2	38.5	31	32.6	33.8	40.4	36	40.7	42.7	41.5	43.4	41.1	42	38.8	39.7	41.2	37.5	40.8
Oxygen (%)	0.7	0.2	0.6	0.3	0.6	0	0.5	0.2	0	0	0.2	0.1	0	0	0	0	0.2	0
Balance (%)	11.5	3.6	30.5	27.3	24.6	2.6	21.7	0.2	0.1	0.3	0.1	5.2	4.4	13.1	7.6	3.7	12.2	4.1

Parameter	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10			
Temperature (degrees F)	129	129	131	131	130	129	129	127	130	133	135	134	128	122	131			
Flow Rate (scfm)	39	44	41	35	33	32	27	37	49	50	50	32	35	39	42			
Methane (%)	52.4	52.3	48.9	50.3	48.1	52.4	45.9	57.9	54.1	52.4	50.2	45.5	57.1	55.5	54.6			
Carbon Dioxide (%)	40.9	39.8	39	38.3	38.1	39.5	38.3	41.3	39.7	37.7	38.2	34.2	40.8	41.2	41			
Oxygen (%)	0	0	0	0	0	0	0.4	0.1	0.9	0.4	0.4	2.4	0.2	0	0			
Balance (%)	6.7	7.9	12.1	11.4	13.8	8.1	15.4	0.7	5.3	9.5	11.2	17.9	1.9	3.3	4.4			

TABLE 4
LANDFILL GAS DATA
(continued)

LFG WELL 37 (CONTROL AREA)

Parameter	Sep-02	Oct-02	Nov-02	Dec-02	Jan-03	Apr-03	Jun-03	Aug-03	Sep-03	Oct-03	Nov-03	Dec-03	Jan-04	Feb-04	Mar-04	Apr-04	May-04	Jun-04
Temperature (degrees F)	101	93	111	103	80	116	120	127	79	123	75	73	123	107	115	119	120	105
Flow Rate (scfm)	58	73	53	120	82	119	139	50	90	161	19	110	108	124	130	92	108	112
Methane (%)	60	66.9	64.8	59.6	63	52.2	56.4	51.3	53.1	64.4	57.3	55	63.9	58.4	54	44.5	54.2	56.2
Carbon Dioxide (%)	39	32.5	34.4	38.5	36.1	40.8	39.3	36.3	41.2	34.7	41	44.6	36	40.1	44.7	35.8	45.7	43
Oxygen (%)	1	0.6	0.6	0.7	0.8	2.2	0.8	1.8	2.2	0.8	1.5	0	0	1.3	1.1	4.1	0	0.7
Balance (%)	0	0	0	1.2	0.1	4.8	3.5	10.6	3.5	0.1	0.2	0.4	0.1	0.2	0.2	15.6	0.1	0.1

Parameter	Sep-04	Oct-04	Nov-04	Dec-04	Jan-05	Feb-05	Mar-05	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Feb-06	Mar-06
Temperature (degrees F)	129	115	129	109	119	125	115	100	109	89	116	117	99	114	123	123	106	109
Flow Rate (scfm)	89	120	160	--	135	136	121	130	87	149	101	32	54	42	75	120	79	81
Methane (%)	56.8	55.8	56.3	56.3	59.4	55.9	55.5	54.5	55.9	56.3	53.1	56.9	50.4	54.8	55.2	57.1	59.4	57.5
Carbon Dioxide (%)	41.8	43.5	41.9	39.3	40.1	42	42	40.4	41.3	36.8	39.4	40.7	48.9	40.4	41	42.7	40.2	41
Oxygen (%)	0.3	0.5	0.4	1	0	0.1	0.5	0.7	0.6	1.5	0.8	0.9	0.5	1.2	0.7	0	0.2	0.4
Balance (%)	1.1	0.2	1.4	3.4	0.5	2	2	4.4	2.2	5.4	6.7	1.5	0.2	3.6	3.1	0.2	0.2	1.1

Parameter	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07
Temperature (degrees F)	110	105	113	115	105	113	110	102	102	111	103	109	105	97	108	100	107	105
Flow Rate (scfm)	74	76	93	91	75	77	91	84	33	72	91	75	61	60	60	61	50	61
Methane (%)	52.6	54.3	48.2	53.6	46.8	55.5	51.4	48.3	49.1	54.1	50.1	45.2	53.7	51.5	53.6	45	45.1	52.6
Carbon Dioxide (%)	40.3	40.6	40.3	46.2	38.4	42.2	41.7	38.4	38.2	39.9	39.7	36.3	31.9	40.7	40	36.4	38.5	39.8
Oxygen (%)	0.2	0.3	0.2	--	--	--	--	--	--	0	0.1	0	0.4	0.7	0.9	0.3	0.2	0.6
Balance (%)	6.9	4.8	11.3	0.1	14.4	2	6.8	12.9	12.2	6	10.1	18.5	14	7.1	5.5	18.3	16.2	7

Parameter	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09
Temperature (degrees F)	96	108	80	124	72	144	136	135	129	130	130	133	132	137	135	137	130	130
Flow Rate (scfm)	65	65	50	58	68	45	47	59	61	53	67	45	49	49	34	35	41	43
Methane (%)	49.1	58.6	44.2	57.4	51.7	55.5	52.8	52.4	54.6	50.4	45.5	57.3	56.3	55	56.1	54.4	49.5	50.2
Carbon Dioxide (%)	38.4	39.6	34.8	42.5	40.2	41.6	40.9	40.7	41.5	41	38.7	42.3	43.2	43	43.8	45.5	39.3	40.5
Oxygen (%)	0.3	0.4	0.4	0	0.3	0	0.1	0.4	0	0	0.1	0.3	0.3	0	0	0	0	0
Balance (%)	12.2	1.4	20.6	0.1	7.8	2.9	6.2	6.5	3.9	8.6	15.7	0.1	0.2	2	0.1	0.1	11.2	9.3

Parameter	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10			
Temperature (degrees F)	132	131	129	129	132	133	134	131	129	130	129	128	130	121	130			
Flow Rate (scfm)	42	41	50	52	48	45	43	41	43	50	44	52	43	47	38			
Methane (%)	52.6	55.2	51.2	49.6	46.6	48.9	47	53	56.9	58.5	57.8	53.9	55	48.3	54.5			
Carbon Dioxide (%)	43.1	42.5	41.4	40.3	38.9	39.4	39.9	41.5	42	41.3	42.1	39.7	41.1	38.2	41.1			
Oxygen (%)	0	0	0	0	0	0	0.3	0	0.5	0	0	0.1	0.2	0	1.6			
Balance (%)	4.3	2.3	7.4	10.1	14.5	11.7	12.8	5.5	0.6	0.2	0.1	6.3	3.7	13.5	2.8			

TABLE 4
LANDFILL GAS DATA
(continued)

LFG WELL 38 (CONTROL AREA)

Parameter	Sep-02	Oct-02	Nov-02	Dec-02	Jan-03	Apr-03	Jun-03	Aug-03	Sep-03	Oct-03	Nov-03	Dec-03	Jan-04	Feb-04	Mar-04	Apr-04	May-04	Jun-04
Temperature (degrees F)	110	93	85	102	80	105	120	132	71	91	73	75	68	61	63	63	124	126
Flow Rate (scfm)	49	50	54	84	82	39	77	91	71	19	7	11	0	6	9	13	46	51
Methane (%)	55	58.3	62.9	53.1	63	39.9	56.8	54.0	62.7	48.2	64.3	45.6	42.9	47.2	42.4	42.9	53.3	56.9
Carbon Dioxide (%)	35.8	39.1	36.3	35.7	36.1	37	41	40.6	36.2	36.3	34.6	40	33.2	35.4	42.3	31.9	41.3	42.9
Oxygen (%)	2.1	0.8	0.7	0.3	0.8	0.8	0.4	0.4	0.9	3.2	0.9	3.1	4.9	4.2	4.5	2.7	0.9	0.1
Balance (%)	7.1	1.8	0	10.9	0.1	22.3	1.8	5.0	0.2	12.3	0.2	11.3	19	13.2	10.8	22.5	4.5	0.1

Parameter	Sep-04	Oct-04	Nov-04	Dec-04	Jan-05	Feb-05	Mar-05	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Feb-06	Mar-06
Temperature (degrees F)	123	120	123	126	98	123	123	125	128	95	125	119	122	101	124	63	126	122
Flow Rate (scfm)	61	45	28	--	54	42	52	32	93	93	104	114	51	106	96	1	76	0
Methane (%)	54.3	50	49.6	56	40.8	38.7	56	41.6	57.7	49.4	55.3	57.9	54.7	50	50.1	58.8	59.3	42.5
Carbon Dioxide (%)	40.4	43.8	41.1	39.9	33.8	34.3	42	35.5	41.9	39.9	40.9	40.1	42.2	41.9	39.7	40.5	40.3	35.4
Oxygen (%)	0.4	0.5	0.4	1.2	0.6	1.2	1.5	1	0.2	0.5	1.2	0.3	0.8	0.4	0.6	0.5	0.3	0.4
Balance (%)	4.9	5.7	8.9	2.9	24.8	25.8	0.5	21.9	0.2	10.2	2.6	1.7	2.3	7.7	9.6	0.2	0.1	21.7

Parameter	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07
Temperature (degrees F)	128	127	129	127	107	119	127	123	120	114	128	127	128	126	129	133	106	99
Flow Rate (scfm)	51	46	75	57	38	44	45	34	31	33	61	54	32	32	39	26	20	70
Methane (%)	48.3	55	34	55.6	55.6	55	44.3	39.1	41.1	45	55.7	43.7	50.9	48.8	55.3	43.1	41.7	54.5
Carbon Dioxide (%)	36.8	41.5	28.5	42.9	43.8	40.4	36.2	33.3	34	35.3	40.5	35	38.4	38.4	38	32.1	33.7	38.6
Oxygen (%)	1.2	0.1	3	--	--	--	--	--	--	0.2	0.2	0.8	0	0.7	0.7	2.4	4.4	0.3
Balance (%)	13.7	3.4	34.5	1.2	0.1	4.3	18.8	27	24.1	19.5	3.6	20.5	10.7	12.1	6	22.4	20.2	6.6

Parameter	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09
Temperature (degrees F)	134	81	109	133	133	57	27	26	134	132	131	131	132	135	130	134	132	131
Flow Rate (scfm)	27	52	32	37	31	137	133	138	27	25	27	29	30	30	27	24	29	22
Methane (%)	50.5	55.6	45	60.1	43.6	55.7	55.1	54.3	56.1	50.1	54.8	50.1	55.5	57.3	44.4	56.8	49.4	45
Carbon Dioxide (%)	37.1	38.8	32.1	39.3	33.6	39	39.6	42.1	41.5	39.4	40.5	38.8	44.4	42.6	35.4	43.1	40	36.8
Oxygen (%)	2.2	0.2	2.5	0.4	3.9	0	0.5	0.1	0	1.1	0.9	1.4	0	0	2.1	0	0.1	1
Balance (%)	10.2	5.4	20.4	0.2	18.9	5.3	4.8	3.5	2.4	9.4	3.8	9.7	0.1	0.1	18.1	0.1	10.5	17.2

Parameter	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10			
Temperature (degrees F)	136	131	132	132	132	134	134	132	132	133	135	138	137	130	137			
Flow Rate (scfm)	22	28	28	26	24	25	23	27	32	33	33	35	35	33	37			
Methane (%)	56	50.9	51.9	48	47.2	52.7	46	57.5	56	58.5	57.2	57.2	57.2	57.7	57.1			
Carbon Dioxide (%)	43.9	39.6	40.6	38	36.2	39.9	39	42.4	40.9	41.3	42.7	42.7	41.9	42.2	42.8			
Oxygen (%)	0	0.4	0.4	0	1.2	0.3	0.8	0	0.5	0.1	0	0	0.6	0	0			
Balance (%)	0.1	9.1	7.1	14	15.4	7.1	14.2	0.1	2.6	0.1	0.1	0.1	0.3	0.1	0.1			

TABLE 4
LANDFILL GAS DATA
(continued)

LFG WELL 39 (CONTROL AREA)

Parameter	Sep-02	Oct-02	Nov-02	Dec-02	Jan-03	Apr-03	Jun-03	Aug-03	Sep-03	Oct-03	Nov-03	Dec-03	Jan-04	Feb-04	Mar-04	Apr-04	May-04	Jun-04
Temperature (degrees F)	101	102	86	96	61	125	82	131	108	93	99	87	85	83	99	110	95	112
Flow Rate (scfm)	88	52	36	66	63	85	94	49	70	101	135	127	135	135	140	70	90	91
Methane (%)	56	50	66	45.7	64.1	44.9	57.6	58.4	61.8	65.9	68	51.7	51.6	53	51.8	59.8	56.4	57.4
Carbon Dioxide (%)	40.5	32.8	32.9	34.5	35.4	43.3	38.1	36.4	38.0	33.3	31.4	43.1	38.7	35.7	45.8	39.6	43.4	42.2
Oxygen (%)	0.8	0.4	1	0.1	0.4	0.5	1	1.0	0.1	0.6	0.5	1.1	2.1	3.4	2.2	0.5	0.1	0.3
Balance (%)	2.7	16.8	0	19.7	0.1	11.3	3.3	4.2	0.1	0.2	0.1	4.1	7.6	7.9	0.2	0.1	0.1	0.1

Parameter	Sep-04	Oct-04	Nov-04	Dec-04	Jan-05	Feb-05	Mar-05	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Feb-06	Mar-06
Temperature (degrees F)	113	108	92	130	101	103	70	84	96	104	85	112	91	88	85	59	89	122
Flow Rate (scfm)	79	121	123	--	126	124	108	122	144	30	129	157	108	114	117	163	78	0
Methane (%)	55.2	55.1	53.1	56.3	53.4	52.3	51.1	52.1	54.8	50.7	51.3	51.1	50.5	53.5	52.2	55.4	60.3	47.7
Carbon Dioxide (%)	41.1	44.6	42	39.1	37.9	40.1	40	38.5	40.2	38	39.1	37.4	39.4	39.2	39	37.4	38.2	38.2
Oxygen (%)	1.4	0.2	0.4	0.5	0.7	0.5	1.2	1.2	0.9	0.3	1.4	1.9	1.4	1.7	1.1	1.5	1.4	0.7
Balance (%)	2.3	0.1	4.5	4.1	8	7.1	7.7	8.2	4.1	11	8.2	9.6	8.7	5.6	7.7	5.7	0.1	13.4

Parameter	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07
Temperature (degrees F)	62	94	106	105	104	95	96	84	87	102	91	98	64	85	109	105	104	92
Flow Rate (scfm)	99	91	0	103	102	89	106	100	101	90	108	103	89	88	98	92	79	92
Methane (%)	50.2	52.4	54.3	53	48.3	52.7	52	51.2	52.1	54.1	53.7	53.1	54.6	54.2	59.9	57.5	49.8	56.8
Carbon Dioxide (%)	37.3	38.3	42.8	38.7	37.5	39.5	38.4	36.6	36.3	40.7	37.4	38	35.2	39	39.1	38.3	37.3	38.4
Oxygen (%)	1.4	0.8	0.4	--	--	--	--	--	--	0.6	0.9	0.8	0.1	1.1	0.8	0.9	1	0.6
Balance (%)	11.1	8.5	2.5	7.8	13.6	6.9	8.8	11.1	10.6	4.6	8	8.1	10.1	5.7	0.2	3.3	11.9	4.2

Parameter	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09
Temperature (degrees F)	77	87	95	80	88	137	134	131	132	129	126	127	129	123	129	130	130	130
Flow Rate (scfm)	39	73	77	52	95	44	43	77	79	70	84	78	74	27	35	40	60	63
Methane (%)	52.3	57.4	53.2	55.3	55.7	56.1	56	58	58.3	55.9	49.7	55.1	57.4	56.5	57.4	56	56.9	56
Carbon Dioxide (%)	37.6	37.4	36.3	35.3	37.9	39.9	40	41	41.6	42.2	37.8	41.5	42.3	43.3	42.4	43.9	42.4	41.8
Oxygen (%)	0.3	1.2	1.1	0.5	0.5	0	0.8	0.6	0	0	0.9	0.3	0	0.1	0	0	0	0
Balance (%)	9.8	4	9.4	8.9	5.9	4	3.2	0.4	0.1	1.9	11.6	3.1	0.3	0.1	0.2	0.1	0.7	2.2

Parameter	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10			
Temperature (degrees F)	130	130	130	128	128	128	127	125	131	131	131	130	128	123	131			
Flow Rate (scfm)	69	77	80	24	23	25	18	28	100	126	125	141	130	131	125			
Methane (%)	57.2	57.1	55.2	48	49.7	52.8	49.5	58.7	58	57.9	57.4	51.3	56.8	57	56.9			
Carbon Dioxide (%)	42.7	42.5	42	37.8	37.9	39.1	39.4	40.9	40.3	42	42.5	37.1	41.4	42.9	43			
Oxygen (%)	0	0	0	0	0	0	0.2	0	0.9	0	0	2.3	0.5	0	0			
Balance (%)	0.1	0.4	2.8	14.2	12.4	8.1	10.9	0.4	0.8	0.1	0.1	9.3	1.3	0.1	0.1			

TABLE 4
LANDFILL GAS DATA

LFG WELL 80 (TEST AREA)

Parameter	Sep-02	Oct-02	Nov-02	Dec-02	Jan-03	Apr-03	Jun-03	Aug-03	Sep-03	Oct-03	Nov-03	Dec-03	Jan-04	Feb-04	Mar-04	Apr-04	May-04	Jun-04
Temperature (degrees F)	88	123	115	98	61	103	94	104	86	94	72	66	65	66	95	96	91	99
Flow Rate (scfm)	48	44	25	77	61	60	65	54	75	65	84	87	87	100	96	98	92	100
Methane (%)	48	53.2	68.3	55.4	50.3	51.9	52.1	46.1	63.2	50.1	58.1	51.5	48.3	55.4	54.8	55.8	55.4	58.2
Carbon Dioxide (%)	36.8	36.6	30.7	40.2	35	42.1	39.6	33.5	36.0	39.8	40.9	43	39.8	38.6	43.9	38.8	44.2	41.6
Oxygen (%)	0.2	0.4	0.8	0.4	0.2	0.8	1.1	1.2	0.6	1.3	0.9	0.8	1.2	1.8	1.1	0.1	0.2	0.1
Balance (%)	15	9.9	0	4	14.5	5.2	7.2	19.2	0.2	8.8	0.1	4.7	10.7	4.2	0.2	5.3	0.2	0.1

Parameter	Aug-04	Sep-04	Oct-04	Nov-04	Dec-04	Jan-05	Feb-05	Mar-05	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Dec-05	Feb-06	Mar-06
Temperature (degrees F)	97	91	94	115	113	119	98	98	101	99	100	114	95	119	118	84	84	78
Flow Rate (scfm)	67	76	37	112	112	115	115	97	182	91	99	98	54	71	59	131	77	51
Methane (%)	55.9	56.7	44.5	51.9	56.9	52.8	52	54.1	53.3	50.6	48.8	49.9	48.1	53.6	52.6	58.9	53.5	46.1
Carbon Dioxide (%)	42.1	40.7	36.6	39.7	39.5	38	40.4	40.8	39.2	38.7	38.3	39.4	37.9	40.9	40.2	40.7	36.1	38.1
Oxygen (%)	0.2	0.3	2.4	0.7	0.4	0.7	0.7	0.6	0.9	0.9	0.6	0.4	0.8	0.1	0.7	0.3	1.3	1.3
Balance (%)	1.8	2.3	16.5	7.7	3.2	8.5	6.9	4.5	6.6	9.8	12.3	10.3	13.2	5.4	6.5	0.1	9.1	14.5

Parameter	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07
Temperature (degrees F)	108	112	117	112	125	90	112	76	88	78	93	82	110	79	80	97	113	106
Flow Rate (scfm)	63	58	48	171	50	49	58	68	69	59	69	49	18	21	20	18	12	24
Methane (%)	47.7	52	46.5	52.9	34.6	52.8	46.9	53	54	55.1	46.6	51.4	49.9	47.7	49.3	33.9	47.2	47
Carbon Dioxide (%)	33.8	37.6	34.7	39.1	28.3	39.1	35.9	38.4	38.1	39.8	33.6	35.5	43.2	37.3	38.2	28.2	36.3	36.6
Oxygen (%)	2.8	1.3	1.6	--	--	--	--	--	--	0.2	1.7	0.9	0.8	1.6	0.9	4.7	1.2	1
Balance (%)	15.7	9.1	17.2	7.6	33.8	7.4	16	7.7	7.1	4.9	18.1	12.2	6.1	13.4	11.6	33.2	15.3	15.4

Parameter	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09
Temperature (degrees F)	122	--	--	117	101	113	121	119	110	123	122	123	122	125	121	114	115	116
Flow Rate (scfm)	5	--	--	20	51	--	12	13	13	12	10	11	11	10	14	11	10	12
Methane (%)	44.4	--	--	48.7	54.5	52.6	51.2	56	44.8	41.5	55.7	55	51.2	53.3	57.6	53.6	52.2	54.5
Carbon Dioxide (%)	34.7	--	--	36.8	38.3	37.8	37.1	39.8	35.9	32.8	40.4	40.4	39.6	40.1	41	39.2	38.6	38
Oxygen (%)	2.2	--	--	0.3	0.6	0.7	0.7	0.3	0.9	2.5	1	0.2	0.6	0.4	0	0.2	0.1	0.3
Balance (%)	18.7	--	--	14.2	6.6	8.9	11	3.9	18.4	23.2	2.9	4.4	8.6	6.2	1.4	7	9.1	7.2

Parameter	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10			
Temperature (degrees F)	109	112	115	118	117	115	121	113	92	107	85	86	65	104	99			
Flow Rate (scfm)	7	7	5	7	7	7	5	7	4	4	3	3	5	5	7			
Methane (%)	44.6	55.5	46.7	51	54.9	58.8	45	59	48.6	49	35.2	54.7	53.8	35	58.9			
Carbon Dioxide (%)	36.5	40	37.2	38.9	40.4	41.1	37.7	40.2	33.9	35.2	30.9	39.2	36.6	29.6	40.7			
Oxygen (%)	0.9	0	0.4	0.1	0	0	0.4	0.6	0.7	1	3.8	1.7	0.4	1.8	0			
Balance (%)	18	4.5	15.7	10	4.7	0.1	16.9	0.2	16.8	14.8	30.1	4.4	9.2	33.6	0.4			

TABLE 4
LANDFILL GAS DATA
(continued)

LFG WELL 81 (CONTROL AREA)

Parameter	Sep-02	Oct-02	Nov-02	Dec-02	Jan-03	Apr-03	Jun-03	Aug-03	Sep-03	Oct-03	Nov-03	Dec-03	Jan-04	Feb-04	Mar-04	Apr-04	May-04	Jun-04
Temperature (degrees F)	112	65	90	94	97	98	98	114	95	122	100	121	102	90	114	98	118	113
Flow Rate (scfm)	52	45	42	86	69	86	94	68	91	77	86	48	65	72	94	88	45	32
Methane (%)	44	55	54.7	59.8	49.7	52	54.7	46.3	55.9	55.6	66.7	42.2	48.9	53.8	54.3	55.3	44	55.2
Carbon Dioxide (%)	36.2	40.9	37.2	39.6	35.8	40.9	37.7	31.7	38.8	43.3	32.9	36.3	41.6	38.7	44.4	35.7	35.8	40.9
Oxygen (%)	0.8	0.4	0.7	0.5	0.5	1.1	0.8	1.9	0.6	0.9	0.3	1.2	1.2	1.7	1.1	0.4	1.7	0.6
Balance (%)	19	3.7	7	0.1	14	6	6.8	20.1	4.8	0.2	0.1	20.3	8.3	5.8	0.2	8.6	18.5	3.3

Parameter	Aug-04	Sep-04	Oct-04	Nov-04	Dec-04	Jan-05	Feb-05	Mar-05	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Dec-05	Feb-06	Mar-06
Temperature (degrees F)	110	100	72	123	122	112	85	84	89	92	97	104	128	95	76	65	59	72
Flow Rate (scfm)	10	19	98	30	30	0	35	18	25	0	97	32	115	55	32	99	57	0
Methane (%)	54.9	53.5	52.4	37.4	50.9	43.5	49.7	50.8	42.3	53.4	51.2	43.8	48.9	56.7	56.7	54.3	51	44.3
Carbon Dioxide (%)	41.8	39.2	40.4	33	36.8	35.3	39.6	39.2	33.4	40.7	39.7	35.9	38.5	42.3	42.4	39.1	36.7	36.5
Oxygen (%)	0.5	1.2	1.2	3.7	1.5	2.4	0.9	1	2.4	0.3	0.7	1.3	0.2	0.2	0.6	0.3	0.1	0.1
Balance (%)	2.8	6.1	6	25.9	10.8	18.8	9.8	9	21.9	5.6	8.4	19	12.4	0.8	0.3	6.3	12.2	19.1

Parameter	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07
Temperature (degrees F)	73	86	95	128	91	75	78	66	73	30	70	85	57	72	93	95	89	101
Flow Rate (scfm)	16	0	70	68	2	16	27	0	0	8	50	43	41	15	44	--	20	--
Methane (%)	52.5	48.8	47.4	56.2	47.8	58.5	54.5	41.2	48	39.7	55.7	53.5	49.8	39.4	58.9	42	35.2	52.3
Carbon Dioxide (%)	38.3	34.2	38.5	43.7	37.5	41	37.7	31.5	37	29.7	37.5	38.5	39.1	33.7	39.4	33.8		37.9
Oxygen (%)	0	0.5	0	--	--	--	--	--	--	2.4	1	0	0.9	2.8	0.4	1.3	2.3	0
Balance (%)	9.2	16.5	14.1	0.1	14.5	0.5	7.7	26.2	13	28.2	5.8	8	10.2	24.1	1.3	22.9	--	9.8

Parameter	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09
Temperature (degrees F)	92	61	66	136	55	68	93	96	91	93	96	97	87	92	77	71	79	81
Flow Rate (scfm)	18	14	--	34	21	9	3	6	6	3	4	3	3	3	5	4	2	5
Methane (%)	48.3	54.6	55.5	58.5	40.5	58.6	34.2	55.4	42.6	49.5	57.7	49	58.1	41.3	60	50	50.1	59.9
Carbon Dioxide (%)	37.2	37.2	33	41.3	32	41.2	31	36.1	33.7	37.1	39.4	36.3	41.8	33.8	38.9	36.7	33.4	40
Oxygen (%)	0.2	0.5	0.6	0	1.1	0	0.5	0.7	0	0	0.1	0.3	0	0	0	0	0.3	0
Balance (%)	14.3	7.7	10.9	0.2	26.4	0.2	34.3	7.8	23.7	13.4	2.8	14.4	0.1	24.9	1.1	13.3	16.2	0.1

Parameter	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10			
Temperature (degrees F)	80	91	88	95	95	87	90	84	83	72	78	74	85	129	83			
Flow Rate (scfm)	4	4	4	3	2	4	3	2	6	3	3	6	5	4	4			
Methane (%)	47	54.5	47.7	56.9	48.2	54.7	47.2	59.3	38.9	35.9	55.7	47.7	54.9	48.4	58.7			
Carbon Dioxide (%)	37	37.5	36.7	39.5	36.8	38.5	38.5	40.6	30.3	27.4	35.6	32.4	36.1	38	37.2			
Oxygen (%)	0	0	0	0	0	0	0.4	0	0.9	2.9	0	0.4	0	0.4	2.3			
Balance (%)	16	8	15.6	3.6	15	6.8	13.9	0.1	29.9	33.8	8.7	19.5	9	13.2	1.8			

TABLE 4
LANDFILL GAS DATA
(continued)

LFG WELL 82 (CONTROL AREA)

Parameter	Sep-02	Oct-02	Nov-02	Dec-02	Jan-03	Apr-03	Jun-03	Aug-03	Sep-03	Oct-03	Nov-03	Dec-03	Jan-04	Feb-04	Mar-04	Apr-04	May-04	Jun-04
Temperature (degrees F)	98	68	101	95	71	110	100	125	90	85	122	120	123	122	117	99	125	128
Flow Rate (scfm)	29	55	64	72	74	40	56	83	71	105	114	47	47	65	61	80	11	28
Methane (%)	55	59.1	62.2	47.9	51.2	48.2	55.5	49.1	49.7	51.8	52.2	43.6	48.2	60.4	49.2	59.2	48.5	58.9
Carbon Dioxide (%)	42.1	40.4	36.8	32.8	35.9	35.2	38.1	31.6	34.0	40.5	40.1	38.2	39.9	38.9	41.4	37.7	39	40.9
Oxygen (%)	0.6	0.5	0.8	2	0.1	1	1	1.2	0.2	0.6	0.5	0.5	0.4	0.6	0.7	0	0	0.1
Balance (%)	2.3	0	0	17.3	12.8	15.6	5.4	18.1	16.1	7.1	7.2	17.7	11.5	0.1	8.7	3.1	12.5	0.1

Parameter	Aug-04	Sep-04	Oct-04	Nov-04	Dec-04	Jan-05	Feb-05	Mar-05	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Dec-05	Feb-06	Mar-06
Temperature (degrees F)	124	123	123	122	122	108	118	119	120	120	122	126	128	126	105	127	128	89
Flow Rate (scfm)	26	35	52	62	67	63	69	65	70	44	106	73	87	1	131	115	75	39
Methane (%)	57.7	57.6	55.9	48.7	54.8	50.4	50.4	53.4	51.8	57.4	47	47.6	47.8	58.2	44.2	52.9	54.6	46.7
Carbon Dioxide (%)	41.3	40.1	42.9	38.9	37.9	39.8	38.9	39.5	39.8	40.8	37	37.7	38.4	41.3	37.1	37.8	36.7	37.1
Oxygen (%)	0.2	0.1	0	0.2	0.3	0.1	0.2	0.6	0.2	0.2	0.7	0.5	0.1	0.3	0.4	0.3	0.3	0.1
Balance (%)	0.8	2.2	1.2	12.2	7	9.7	10.5	6.5	8.2	1.6	15.3	14.2	13.7	0.2	18.3	9	8.4	16.1

Parameter	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07
Temperature (degrees F)	132	121	92	129	128	127	118	127	123	120	104	97	94	129	116	130	128	124
Flow Rate (scfm)	60	72	55	65	65	64	68	85	80	74	84	81	61	49	48	39	24	37
Methane (%)	49.6	50.9	53.5	56	50	54.6	48.2	45.7	47.5	50.9	51.2	50.3	50	45.2	49.2	47.2	44.3	55.3
Carbon Dioxide (%)	37.8	37.8	29.5	41.9	38.5	40.2	36.7	35.4	34.6	37.8	37.1	38.3	34.7	37	36.7	37	36.1	39
Oxygen (%)	0.4	0.3	0.5	--	--	--	--	--	--	1.1	0	0.7	0.4	1.5	1.2	0.9	1.1	0
Balance (%)	12.2	11	16.5	0.8	11.4	5.1	14.4	18	17.1	10.2	11.7	10.7	14.9	16.3	12.9	14.9	18.5	5.7

Parameter	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09
Temperature (degrees F)	126	113	59	88	116	125	128	137	117	135	134	133	133	138	134	133	132	132
Flow Rate (scfm)	37	35	--	40	59	47	8	25	32	15	24	21	19	15	18	19	14	20
Methane (%)	49.9	48.9	51.7	59.3	33.3	58.2	46.6	59.4	54.5	48.5	57.1	53.2	54.1	48.4	57.2	53.2	52.4	57.1
Carbon Dioxide (%)	37.5	36.6	38.1	40.1	28.1	41.7	36.3	40.1	40.9	39.1	42.3	40.5	41.6	38.9	40.9	40.6	40.4	42.8
Oxygen (%)	0.8	0.6	0.3	0.4	4	0	1.2	0.4	0	0.2	0.5	0.1	0	0	0	0	0	0
Balance (%)	11.8	13.9	9.9	0.2	34.6	0.1	15.9	0.1	4.6	12.2	0.1	6.2	4.3	12.7	1.9	6.2	7.2	0.1

Parameter	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10			
Temperature (degrees F)	131	133	132	132	131	129	130	125	127	127	129	129	123	127	125			
Flow Rate (scfm)	16	20	15	15	14	15	12	17	26	39	27	16	30	24	29			
Methane (%)	54	50.8	51.8	52.6	49.3	51.8	45.1	57.5	51	56.1	53.2	45.2	55.9	53.2	57.9			
Carbon Dioxide (%)	41.5	39.2	40.5	40.2	39.1	40.2	39.5	42.4	37.9	39.2	39.5	30.4	40.4	41.2	41.8			
Oxygen (%)	0	0	0	0	0	0	0.2	0	0.6	0.1	0	3.3	0.4	0.2	0			
Balance (%)	4.5	10	7.7	7.2	11.6	8	15.2	0.1	10.5	4.6	7.3	21.1	3.3	5.4	0.3			

TABLE 5
SUMMARY OF LEACHATE QUALITY DATA
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

TEST AREA (PHASE 1-2N)

Key Parameters	Units	Aug-02	Dec-02	Jan-03	Apr-03	Jul-03	Oct-03	Jan-04	Jul-04	Jan-05	Jul-05	Jan-06	Jul-06	Jan-07	Aug-07	Jan-08	Jul-08	Jan-09	Jul-09	Feb-10
Biological Oxygen Demand	mg/l	34	60	54	91	28	33	36	157	300	128	120	120	86	125	119	16	97	120	63
Chemical Oxygen Demand	mg/l	505	912	784	477	739	906	776	730	750	880	960	690	860	400	900	960	980	870	1300
Total Organic Carbon	mg/l	155	171	241	214	183	216	206	198	236	265	314	242	241	237	263	256	282	291	271
BOD/COD Ratio	-	0.07	0.07	0.07	0.19	0.04	0.04	0.05	0.22	0.40	0.15	0.13	0.17	0.10	0.31	0.13	0.02	0.10	0.14	0.05
COD/TOC Ratio	-	3.26	5.33	3.25	2.23	4.04	4.19	3.77	3.69	3.18	3.32	3.06	2.85	3.57	1.69	3.42	3.75	3.48	2.99	4.80
Chloride	mg/l	886	949	1,140	1,040	670	945	957	910	1000	950	1000	1000	1000	12	1100	863	1190	1000	975
Sulfate	mg/l	<10	< 10	< 10	< 10	<10	<10	<10	< 5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	< 5.0	< 20	< 20	51	29
Nitrate Nitrogen	mg/l as N	0.05	0.07	0.37	0.41	0.07	0.07	<0.05	< 0.05	<0.05	<0.05	<0.05	<0.05	< 0.05	<0.05	< 0.05	0.4	0.23	< 0.05	< 0.05
Ammonia Nitrogen	mg/l as N	293	344	450	391	387	291	184	342	403	213	423	350	407	436	445	509	335	441	424
pH (Field)	S.U.	N/A	N/A	N/A	N/A	N/A	N/A	7.03	6.81	6.99	7.05	7.48	6.95	7.06	7.35	7.91	7.17	7.27	7.31	7.68

Secondary Parameters	Units	Aug-02	Dec-02	Jan-03	Apr-03	Jul-03	Oct-03	Jan-04	Jul-04	Jan-05	Jul-05	Jan-06	Jul-06	Jan-07	Aug-07	Jan-08	Jul-08	Jan-09	Jul-09	Feb-10
Arsenic	ug/L	20	20	20	30	20	30	<30	< 30	<30	30	30	20	20	20	30	30	30	40	40
Barium	ug/L	770	950	1,100	860	910	970	850	880	880	986	896	1380	889	919	843	775	830	790	790
Cadmium	ug/L	< 0.5	< 0.5	< 0.5	< 5	<5	<5	<5	< 5	<5	<2	<2	<2	<2	<2	< 2	< 2	< 2	< 2	< 2
Chromium	ug/L	20	30	40	40	30	30	30	30	350	38	42	27	39	32	42	48	54	54	50
Lead	ug/L	< 5	< 5	< 5	< 5	<5	<5	<20	< 20	<20	<20	<20	< 20	<20	<20	< 20	< 20	< 20	< 20	< 20
Mercury	ug/L	< 0.2	< 0.0004	< 0.0004	< 0.2	<0.2	<0.2	<0.2	< 0.2	<0.2	<0.2	<0.2	< 0.2	<0.2	<0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Nitrite Nitrogen	mg/L	< 0.05	< 0.05	< 0.05	< 0.05	<0.05	<0.05	<0.05	< 0.05	<0.05	<0.05	< 0.05	< 0.05	< 0.05	<0.05	< 0.05	na	na	< 0.05	< 0.05
Total Kjeldahl Nitrogen	mg/L	312	432	567	404	395	307	197	340	410	330	430	323	438	426	495	544	507	475	440
Ortho Phosphorus	mg/L	6.6	1.8	0.9	2.3	2.2	4.8	2.4	2.3	1.7	2.6	2.4	1.9	2.3	2.2	2.5	2.9	2.8	2.4	2.2
Potassium	ug/L	214,000	273,000	328,000	320,000	256,000	270,000	275,000	297,000	317,000	303,000	412,000	320,000	356,000	315,000	336,000	371,000	374,000	359,000	357,000
Selenium	ug/L	< 5	< 5	< 5	< 5	<5	<5	<30	< 30	<30	<20	<20	< 20	< 20	<20	< 20	< 20	< 20	< 20	< 20
Silver	ug/L	< 10	< 10	< 10	< 10	<10	<10	<10	< 10	<10	<5	<5	< 5	< 5	<5	< 5	< 5	< 5	< 5	< 5
Total Dissolved Solids	mg/L	3490	3,660	4,440	4,300	3,710	3,780	3,850	3,760	4,230	4,460	4,390	4,290	4,080	4,190	4,320	5,150	4,540	4,860	4,460
Total Phosphorus	mg/L	1.9	2.2	1.4	2.1	1.6	10.5	1.6	1.7	1.8	2.2	2.5	2.1	2.8	2.1	2.9	2.8	3.0	2.6	2.2

Notes

(1) Secondary parameters listed above were identified in the Final Project Agreement [GeoSyntec, 2000] and the VADEQ permit application [GeoSyntec, 2001] as parameters of interest.

TABLE 5
SUMMARY OF LEACHATE QUALITY DATA
(continued)

TEST AREA (PHASE 1-2S)

Parameter		Aug-02	Dec-02	Jan-03	Apr-03	Jul-03	Oct-03	Jan-04	Jul-04	Jan-05	Jul-05	Jan-06	Jul-06	Jan-07	Jul-07	Jan-08	Jul-08	Jan-09	Jul-09	Feb-10
Biological Oxygen Demand	mg/l	51	51	63	74	40	29		95	112	124	120	139	151	225					
Chemical Oxygen Demand	mg/l	776	547	648	759	755	976	118	790	690	900	780	1100	610	1900					
Total Organic Carbon	mg/l	211	153	201	180	187	216	204	222	212	307	270	342	450	520					
BOD/COD Ratio	-	0.07	0.09	0.10	0.10	0.05	0.03	0.00	0.12	0.16	0.14	0.15	0.13	0.25	0.12					
COD/TOC Ratio	-	3.68	3.58	3.22	4.22	4.04	4.52	0.58	3.56	3.25	2.93	2.89	3.22	1.36	3.65	(3)	(3)	(3)	(3)	(3)
Chloride	mg/l	465	948	220	1,080	989	1,060	678	1,000	960	1,440	1,000	1,600	1,700	1,800					
Sulfate	mg/l	<10	< 10	< 10	< 10	<10	<10	<10	< 5.0	< 5.0	<5.0	<5.0	<5.0	< 25	<5					
Nitrate Nitrogen	mg/l as N	0.09	< 0.05	< 0.05	< 0.05	<0.05	0.24	<0.05	< 0.05	< 0.05	<0.05	<0.05	<0.05	0.19	<0.05					
Ammonia Nitrogen	mg/l as N	319	350	416	346	401	361	84	430	403	294	372	595	691	852					
pH (Field)	S.U.	N/A	N/A	N/A	N/A	N/A	N/A	6.69	6.97	6.69	7.01	7.21	6.99	7.06	N/A					

Secondary Parameters	Units	Aug-02	Dec-02	Jan-03	Apr-03	Jul-03	Oct-03	Jan-04	Jul-04	Jan-05	Jul-05	Jan-06	Jul-06	Jan-07	Jul-07	Jan-08	Jul-08	Jan-09	Jul-09	Feb-10
Arsenic	ug/L	10	10	< 10	10	<10	20	< 30	< 30	< 30	<20	20	20	20	30					
Barium	ug/L	830	760	790	810	770	820	540	703	674	711	563	1310	730	704					
Cadmium	ug/L	< 0.5	< 0.5	< 0.5	< 5	<5	<5	< 5	< 5	< 5	<2	<2	< 2	<2	<2					
Chromium	ug/L	20	30	30	30	30	30	20	40	350	43	40	72	81	0.1					
Lead	ug/L	< 5	< 5	< 5	< 5	<5	<5	< 20	< 20	< 20	<20	<20	< 20	<20	<20					
Mercury	ug/L	< 0.2	< 0.0004	< 0.0004	< 0.2	<0.2	<0.2	< 0.2	< 0.2	< 0.2	<0.2	<0.2	< 0.2	<0.2	<0.2					
Nitrite Nitrogen	mg/L	< 0.05	< 0.05	< 0.05	< 0.05	<0.05	<0.05	<0.05	< 0.05	< 0.05	<0.05	< 0.05	< 0.05	<0.05	<0.05	(3)	(3)	(3)	(3)	(3)
Total Kjeldahl Nitrogen	mg/L	354	468	489	359	407	376	87	450	410	300	390	487	722	830					
Ortho Phosphorus	mg/L	2.5	2.3	3.1	2.7	2.9	5.5	1.8	3.1	2.9	4	3.1	4.4	4	7.5					
Potassium	ug/L	235,000	246,000	282,000	269,000	235,000	263,000	197,000	312,000	307,000	324,000	321,000	464,000	567,000	610,000					
Selenium	ug/L	< 5	< 5	< 5	< 5	<5	<5	< 30	< 30	< 30	<20	<20	< 20	<20	<20					
Silver	ug/L	< 10	< 10	< 10	< 10	<10	<10	< 10	< 10	< 10	<5	<5	< 5	<5	<5					
Total Dissolved Solids	mg/L	3240	2800	3130	3270	3310	3570	2,550	3,490	3,190	3,940	3,200	4,830	5,370	6,020					
Total Phosphorus	mg/L	2.6	2.5	2.2	2.8	3	10.8	0.6	2.2	3.0	2.9	3.1	4.5	7.1	7.4					

Notes
(1) BOD/COD ratio cannot excced 1.0, therefore January 2004 value is erroneous and average ratio over the prior 3 months will be used instead.
(2) Secondary parameters listed above were identified in the Final Project Agreement [GeoSyntec, 2000] and the VADEQ permit application [GeoSyntec, 2001] as parameters of interest.
(3) No data obtained.

TABLE 5
SUMMARY OF LEACHATE QUALITY DATA
(continued)

CONTROL AREA (PHASE 3)

Parameter	Units	Aug-02	Dec-02	Apr-03	Jul-03	Oct-03	Jan-04	Jul-04	Jan-05	Jul-05	Jan-06	Jul-06	Jan-07	Aug-07	Jan-08	Jul-08	Jan-09	Jul-09	Feb-10
Biological Oxygen Demand	mg/l	148	129	416	184	84	50	417	471	924	208	364	468	398	219	124	141	222	98
Chemical Oxygen Demand	mg/l	7,830	149	2,710	3,090	2,860	2,950	2,800	2,600	2,600	2,800	2,500	500	3,000	2,700	2,400	2,500	2,600	2,500
Total Organic Carbon	mg/l	873	835	805	1,040	1,110	1,030	951	921	938	977	849	836	853	864	841	738	812	789
BOD/COD Ratio	-	0.02	0.87	0.15	0.06	0.03	0.02	0.15	0.18	0.36	0.07	0.15	0.94	0.13	0.08	0.05	0.06	0.09	0.04
COD/TOC Ratio	-	8.97	0.18	3.37	2.97	2.58	2.86	2.94	2.82	2.77	2.87	2.94	0.60	3.52	3.13	2.85	3.39	3.20	3.17
Chloride	mg/l	2,180	2,950	3,270	3,070	3,330	3,790	3,600	3,700	3,250	3,000	2,800	2,700	19	2,800	2,340	2,680	2,650	2,580
Sulfate	mg/l	<10	<10	< 10	<10	<10	<10	< 5.0	< 5.0	<5.0	<5.0	<5.0	< 25	<5.0	< 5.0	< 20	< 20	< 20	24
Nitrate Nitrogen	mg/l as N	0.08	0.13	0.09	0.81	3.27	<0.05	0.14	0.08	<0.05	<0.05	<0.05	0.19	<0.05	< 0.05	0.32	0.1	< 0.05	0.06
Ammonia Nitrogen	mg/l as N	1,480	1,560	2,150	2,280	2000	1,900	1,890	1,840	8,760	1,890	1,530	1,410	1,580	1,500	1,590	1,490	2,080	1,530
pH (Field)	S.U.	N/A	N/A	N/A	N/A	N/A	7.46	7.50	7.44	7.62	7.73	7.42	7.36	7.57	8.01	7.69	7.53	7.64	8.04

Secondary Parameters	Units	Aug-02	Dec-02	Apr-03	Jul-03	Oct-03	Jan-04	Jul-04	Jan-05	Jul-05	Jan-06	Jul-06	Jan-07	Aug-07	Jan-08	Jul-08	Jan-09	Jul-09	Feb-10
Arsenic	ug/L	30	40	40	70	60	70	50	50	50	60	60	90	80	70	70	60	70	110
Barium	ug/L	680	660	910	610	630	530	492	1,050	484	106	1,130	1,090	1,200	1,650	1,970	1,250	1,000	1,380
Cadmium	ug/L	< 0.5	<0.5	< 5	<5	<5	< 5	< 5	< 5	<2	<2	<2	<2	2	< 2	< 2	< 2	< 2	< 2
Chromium	ug/L	140	170	190	190	200	200	210	248	234	244	197	196	223	197	217	229	219	220
Lead	ug/L	< 5	<5	< 5	<5	<5	< 20	< 20	< 20	<20	<20	<20	<20	<20	< 20	40	< 20	< 20	< 20
Mercury	ug/L	< 0.2	<0.0004	< 0.2	<0.2	<0.2	< 0.2	< 0.2	< 0.2	<0.2	<0.2	<0.2	<0.2	<0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Nitrite Nitrogen	mg/L	< 0.05	<0.05	< 0.05	0.81	<0.05	<0.05	< 0.05	0.05	<0.05	< 0.05	<0.05	<0.07	0.07	0.06	na	na	< 0.05	0.06
Total Kjeldahl Nitrogen	mg/L	932	1,756	2,198	2,343	2,062	1,979	2,000	1,900	8,800	3,000	1,860	1,700	1,780	1,820	1,830	1,970	1,620	1,710
Ortho Phosphorus	mg/L	0.4	15.1	16.2	17.2	19.2	15.6	18	18	20	19	15.9	17.4	16	12	14	13	19	13
Potassium	ug/L	984,000	10,400,000	1,080,000	937,000	1,000,000	936,000	1,050,000	1,150,000	778,000	1,050,000	969,000	785,000	926,000	958,000	863,000	899,000	754,000	747,000
Selenium	ug/L	5	6	< 5	<5	13	< 30	< 30	< 30	<20	<20	<20	<20	<20	< 20	< 20	< 20	< 20	< 20
Silver	ug/L	< 10	<10	< 10	<10	<10	< 10	< 10	< 10	<5	<5	<5	<5	<5	< 5	< 5	< 5	< 5	< 5
Total Dissolved Solids	mg/L	8,280	7,350	8,150	7,600	6,690	7,390	8,060	8,100	7,950	7,670	7,830	7,570	8,410	7,420	8,390	6,990	7,620	7,400
Total Phosphorus	mg/L	13.3	16.1	14.9	16.6	14.3	13	13.3	18.8	16.7	19.5	15.3	16.7	15	13.1	13.7	13.3	14.8	11.1

Notes

(1) Secondary parameters listed above were identified in the Final Project Agreement [GeoSyntec, 2000] and the VADEQ permit application [GeoSyntec, 2001] as parameters of interest.
(2) Leachate samples could not be obtained for the January 2003 event in Phase 3 because of frozen sampling ports.

TABLE 5
SUMMARY OF LEACHATE QUALITY DATA
(continued)

CONTROL AREA (PHASE 4)

Parameter		Aug-02	Dec-02	Apr-03	Jul-03	Oct-03	Jan-04	Jul-04	Jan-05	Jul-05	Jan-06	Jul-06	Jan-07	Jul-07	Jan-08	Jul-08	Jan-09	Jul-09	Feb-10
Biological Oxygen Demand	mg/l	3,150		960	1,670	20	119	1180	3,000	1,470	1,790	230	212	900	375	276	693	503	
Chemical Oxygen Demand	mg/l	8,230	170	7,480	4,600	423	2,600	3,200	4,700	3,500	4,400	2,800	310	2,600	2,500	3,800	4,800	5,500	
Total Organic Carbon	mg/l	2,150	2,240	2,390	1,560	150	257	960	1310	1280	1410	964	730	1120	774	1130	1220	1500	
BOD/COD Ratio	-	0.38	0.00	0.13	0.36	0.05	0.05	0.37	0.64	0.42	0.41	0.08	0.68	0.35	0.15	0.07	0.14	0.09	
COD/TOC Ratio	-	3.83	0.08	3.13	2.95	2.82	10.12	3.33	3.59	2.73	3.12	2.90	0.42	2.32	3.23	3.36	3.93	3.67	(4)
Chloride	mg/l	3,290	1,980	2,960	3,580	346	3,370	2,500	2,400	2,550	2,100	3,400	2,100	2,300	2,100	3,240	3,980	4,810	
Sulfate	mg/l	<10	2,000	<10	<10	<10	<10	< 5.0	< 5.0	<5.0	<5.0	<5.0	< 25.0	<5.0	< 5.0	< 20	< 20	102	
Nitrate Nitrogen	mg/l as N	0.1	0.17	0.17	0.19	0.20	<0.05	0.17	< 0.05	<0.05	<0.05	<0.05	0.07	0.08	< 0.05	0.22	0.11	0.11	
Ammonia Nitrogen	mg/l as N	1,750	1,390	2,170	2,200	383	1,790	1,840	1,470	1,620	1,140	2,660	1,560	1,700	1,330	2,940	2,470	3,100	
pH (Field)	S.U.	N/A	N/A	N/A	N/A	N/A	7.65	7.45	7.03	7.40	7.74	7.50	7.61	N/A	8.04	7.79	7.85	7.72	

Secondary Parameters	Units	Aug-02	Dec-02	Apr-03	Jul-03	Oct-03	Jan-04	Jul-04	Jan-05	Jul-05	Jan-06	Jul-06	Jan-07	Jul-07	Jan-08	Jul-08	Jan-09	Jul-09	Jul-09
Arsenic	ug/L	80	60	60	90	<10	60	60	70	140	120	60	60	60	24	110	170	140	
Barium	ug/L	490	400	810	450	540	420	194	786	196	181	762	402	390	208	461	280	520	
Cadmium	ug/L	< 0.5	0.9	<5	<5	<5	< 5	< 5	< 5	<2	<2	<2	<2	<2	< 2	< 2	< 2	< 2	
Chromium	ug/L	270	1,980	210	290	10	160	180	170	207	205	218	207	214	148	294	392	414	
Lead	ug/L	< 5	6	<5	<5	<5	< 20	< 20	< 20	<20	<20	<20	<20	<20	< 20	40	< 20	< 20	
Mercury	ug/L	< 0.2	<0.2	<0.2	<0.2	<0.2	< 0.2	< 0.2	< 0.2	<0.2	<0.3	<0.2	<0.2	<0.2	< 0.2	< 0.2	< 0.2	< 0.2	
Nitrite Nitrogen	mg/L	< 0.05	<0.05	<0.05	<0.05	<0.05	<0.05	< 0.05	0.05	0.06	0.07	0.07	0.07	0.05	0.13	na	na	0.11	
Total Kjeldahl Nitrogen	mg/L	481	1,556	2,227	2,269	394	1,850	1,900	1,500	1,800	2,300	2,630	1,640	1,950	1,670	2,930	3,030	3,210	(4)
Ortho Phosphorus	mg/L	0.5	13.7	19.6	25.8	1.7	13.4	19.0	16	19.7	19.2	23.9	11.6	16	12	33	34	47	
Potassium	ug/L	714,000	442,000	528,000	588,000	73,600	598,000	570,000	385,000	375,000	489,000	907,000	607,000	804,000	404,000	912,000	870,000	1,030,000	
Selenium	ug/L	7	9	<5	<5	<5	< 30	< 30	< 30	<20	<20	<20	<20	<20	< 20	< 20	< 20	< 20	
Silver	ug/L	< 10	<10	<10	<10	<10	< 10	< 10	< 10	<5	<5	<5	<5	<5	< 5	< 5	< 5	< 5	
Total Dissolved Solids	mg/L	7,530	4,740	6,130	4,120	1,480	5,740	4,800	3,830	4,680	4,580	8,190	5,460	7,060	4,700	9,680	7,730	11,300	
Total Phosphorus	mg/L	21.3	5.4	15.9	17.9	2.1	10.2	14.7	16.6	16	20	20.3	15.5	13.7	14.1	33.4	35.3	46	

Notes:
(1) Secondary parameters listed above were identified in the Final Project Agreement [GeoSyntec, 2000] and the VADEQ permit application [GeoSyntec, 2001] as parameters of interest.
(2) The BOD value for the December 2002 sampling event is erroneous and has been omitted from this table.
(3) Leachate samples could not be obtained for the January 2003 event in Phase 4 because of frozen sampling ports.
(4) No data obtained.

TABLE 5
SUMMARY OF LEACHATE QUALITY DATA
(continued)

LEACHATE TANK

Parameter	Units	Aug-02	Dec-02	Jan-03	Apr-03	Jul-03	Oct-03	Jan-04	Jul-04	Jan-05	Jul-05	Jan-06	Jul-06	Jan-07	Jul-07	Jan-08	Jul-08	Feb-09	Jul-09	Feb-10
Biological Oxygen Demand	mg/l	52	398		800	120	68	75	152	300	36	129	309	295	930	2910	597	1590	1870	1310
Chemical Oxygen Demand	mg/l	2,490	2,300	2,850	2,480	2,110	1,760	1,860	1,700	1,300	1,800	1,600	1,000	1,200	1,800	6,600	2,800	2,900	5,100	2,700
Total Organic Carbon	mg/l	603	742	999	1,000	514	574	541	531	519	494	568	408	316	500	2170	931	958	1570	864
BOD/COD Ratio	-	0.02	0.17	0.00	0.32	0.06	0.04	0.04	0.09	0.23	0.02	0.08	0.31	0.25	0.52	0.44	0.21	0.55	0.37	0.49
COD/TOC Ratio	-	4.13	3.10	2.85	2.48	4.11	3.07	3.44	3.20	2.50	3.64	2.82	2.45	3.80	3.60	3.04	3.01	3.03	3.25	3.13
Chloride	mg/l	2,310	1,900	2,250	1,880	1,860	2,140	2,810	2,200	2,500	1,870	1,700	1,300	910	1,700	2,100	1,790	1,170	2,170	1,160
Sulfate	mg/l	<10	< 10	< 10	< 10	<10	<10	<10	< 5.0	< 5.0	<5.0	<5.0	<5.0	< 5.0	<5	< 5.0	< 20	< 20	38	< 20
Nitrate Nitrogen	mg/l as N	0.05	0.15	0.11	0.07	0.08	<0.05	<0.05	0.12	< 0.05	<0.05	<0.05	<0.05	< 0.05	0.07	< 0.05	0.17	< 0.05	0.6	0.22
Ammonia Nitrogen	mg/l as N	1,510	1,280	989	520	1370	1,280	1,270	1,260	1,230	854	1,500	701	413	1,350	1,460	1,260	793	1,410	833
pH (Field)	S.U.	N/A	N/A	N/A	N/A	N/A	N/A	7.66	7.59	7.54	7.65	8.19	7.63	7.44	N/A	8.06	8.09	8.68	7.84	na

Secondary Parameters	Units	Aug-02	Dec-02	Jan-03	Apr-03	Jul-03	Oct-03	Jan-04	Jul-04	Jan-05	Jul-05	Jan-06	Jul-06	Jan-07	Jul-07	Jan-08	Jul-08	Feb-09	Jul-09	Feb-10
Arsenic	ug/L	40	30	30	30	30	30	< 30	< 30	< 30	40	40	40	30	40	70	80	50	130	110
Barium	ug/L	640	720	500	1040	690	720	510	514	515	458	394	853	304	194	513	1100	480	420	410
Cadmium	ug/L	< 0.5	< 0.5	< 5	< 5	<5	<5	< 5	< 5	< 5	<2	<2	<2	<2	<2	< 2	< 2	< 2	< 2	< 2
Chromium	ug/L	150	140	130	110	120	120	120	120	129	126	141	106	81	188	200	215	143	229	150
Lead	ug/L	< 5	< 5	< 5	< 5	<5	<5	< 20	< 20	< 20	<20	<20	<20	<20	<20	< 20	0.03	< 20	< 20	< 20
Mercury	ug/L	< 0.2	< 0.0004	< 0.2	< 0.2	<0.2	<0.2	< 0.2	< 0.2	< 0.2	<0.2	<0.2	<0.2	<0.2	<0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Nitrite Nitrogen	mg/L	< 0.05	< 0.05	<0.05	< 0.05	<0.05	<0.05	<0.05	< 0.05	< 0.05	<0.05	0.05	<0.05	0.14	<0.05	0.15	na	na	0.6	0.22
Total Kjeldahl Nitrogen	mg/L	1,373	1,471	1,181	549	1,406	1,310	1,316	1,300	1,200	1,100	1,800	645	532	1,290	1,720	1,720	1,070	1,330	944
Ortho Phosphorus	mg/L	15.9	8.4	11.8	10.5	13.5	15	14	14	12	11.2	9.4	8.7	5.3	4.5	< 0.10	13	8.9	13	6.2
Potassium	ug/L	535,000	524,000	493,000	438,000	427,000	455,000	464,000	552,000	535,000	403,000	543,000	346,000	240,000	522,000	1,070,000	674,000	407,000	511,000	409,000
Selenium	ug/L	< 5	5	< 5	< 5	<5	5	< 30	< 30	< 30	<20	<20	<20	<20	<20	< 20	< 20	< 20	< 20	< 20
Silver	ug/L	< 10	< 10	< 10	< 10	<10	<10	< 10	< 10	< 10	<5	<5	<5	<5	<5	< 5	< 5	< 5	< 5	< 5
Total Dissolved Solids	mg/L	6,370	5,180	5,640	4,900	5,040	4,120	4,690	4,960	4,570	4,530	4,720	3,970	2,810	5,060	8,090	7,310	4,500	9,350	5590
Total Phosphorus	mg/L	18.8	23.3	12.9	8.3	9.4	13	10.5	9.7	12.8	8.7	9.8	8.7	6.3	4.6	9.2	13	8.8	15.3	7.1

Notes:

(1) Secondary parameters listed above were identified in the Final Project Agreement [GeoSyntec, 2000] and the VADEQ permit application [GeoSyntec, 2001] as parameters of interest.
(2) The BOD value for the January 2003 sampling event is erroneous and has been omitted from this table.

TABLE 6
SUMMARY OF LEACHATE QUANTITY DATA
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia
2002

	Phase	Area (Acres)		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Annual Total
Test Area	PH 1 & 2 NOR 12.5	PRIMARY	GAL	6,602	6,020	8,699	4,353	6,378	6,557	15,895	9,197	7,269	5,616	5,776	8,392	90,754
		SECONDARY	GAL	0	7	48	35	99	2	103	0	0	0	800	267	1,361
	PH 1 & 2 SOU 13.9	PRIMARY	GAL	6,268	6,122	10,433	9,806	8,706	6,050	5,667	6,448	5,168	7,497	9,608	13,059	94,832
		SECONDARY	GAL	0	0	830	614	226	497	20	853	0	268	0	414	3,722
Control Area	PHASE 3 10.5	PRIMARY	GAL	45,672	40,965	40,811	40,111	43,156	38,889	39,249	44,639	39,007	40,324	35,410	38,804	487,037
		SECONDARY	GAL	1,481	29	0	1	1	1	1,477	0	0	0	0	23	3,013
	PHASE 4 11.1	PRIMARY	GAL	66,608	58,153	59,725	65,014	57,183	52,606	54,192	26,630	49,656	56,191	53,529	61,528	661,015
		SECONDARY	GAL	0	0	4,928	0	5,005	1	0	6	0	4,970	0	4,986	19,896
Current Disposal Area	PHASE 11 10.3	PRIMARY	GAL	38,454	35,476	34,927	37,692	35,345	29,802	33,545	29,377	29,552	30,663	6,989	34,497	376,319
		SECONDARY	GAL	27	2	0	0	0	2,901	1	1	5	2,811	0	0	5,748
	PHASE 12 9.5	PRIMARY	GAL	33,029	32,091	38,396	36,128	23,929	21,136	10,925	17,031	31,174	21,403	28,763	34,472	328,477
		SECONDARY	GAL	2,060	0	0	0	1	0	0	20	0	0	3,115	0	5,196
	Monthly Total			200,201	178,865	198,797	193,754	180,029	158,442	161,074	134,202	161,831	169,743	143,990	196,442	2,077,370

Note:

This table is based on site records for the Maplewood Recycling and Waste Disposal Facility showing the amount of leachate collected in the primary and seconday leachate collection system. These records were provided by Waste Management and the site manager (Brian McClung) in a series faxes between September 2002 and December 2002.

The test area is represented by Ph 1&2 Nor and Ph 1&2 Sou, the control area is represented by Phase 3 and Phase 4, Phase 11 and Phase 12 are the current disposal areas and are provided for information purposes only.

TABLE 6
SUMMARY OF LEACHATE QUANTITY DATA
continued

2003

	Phase	Area (Acres)		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Annual Total
Test Area	PH 1 & 2 NOR	PRIMARY	GAL	7,782	7,791	11,921	13,256	13,931	8,616	17,949	13,928	11,831	13,310	10,170	12,814	143,299
	12.5	SECONDARY	GAL	36	0	0	0	0	0	1	0	0	0	0	0	37
	PH 1 & 2 SOU	PRIMARY	GAL	6,199	13,138	13,531	13,963	14,949	12,109	6,763	9,318	8,290	4,804	7,491	13,489	124,044
	13.9	SECONDARY	GAL	113	0	0	0	0	0	0	0	1,279	0	0	0	1,392
Control Area	PHASE 3	PRIMARY	GAL	33,587	27,737	24,356	24,771	36,537	33,400	36,152	37,380	33,297	37,371	31,447	31,585	387,620
	10.5	SECONDARY	GAL	0	26	3,713	0	347	0	1	1	0	8	1	1,761	5,858
	PHASE 4	PRIMARY	GAL	55,062	55,445	64,356	63,242	60,276	51,538	51,150	52,112	51,072	61,523	53,815	63,121	682,712
	11.1	SECONDARY	GAL	29	5,164	4,974	55	5,040	0	4,760	0	4,406	3,294	187	22	27,931
Current Disposal Area	PHASE 11	PRIMARY	GAL	12,262	48,395	37,288	35,899	39,611	38,576	39,699	43,337	34,687	37,419	1,980	54,600	423,753
	10.3	SECONDARY	GAL	0	2,968	10	0	2,583	0	1	2	0	1	2,724	0	8,289
	PHASE 12	PRIMARY	GAL	29,879	35,866	47,430	44,029	44,761	45,277	41,551	44,754	34,343	39,114	34,499	42,835	484,338
	9.5	SECONDARY	GAL	0	4,287	0	0	3,229	89	0	3,183	0	12	76	0	10,876
	Monthly Total			144,949	200,817	207,579	195,215	221,264	189,605	198,027	204,015	179,205	196,856	142,390	220,227	2,300,149

TABLE 6
SUMMARY OF LEACHATE QUANTITY DATA
continued

2004

	Phase	Area (Acres)		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Annual Total
Test Area	PH 1 & 2 NOR	PRIMARY	GAL	11,512	10,539	11,482	12,821	11,953	6,224	3,008	9,795	10,661	9,695	4,390	10,106	112,186
	12.5	SECONDARY	GAL	69	0	0	0	0	0	0	0	0	0	0	0	69
	PH 1 & 2 SOU	PRIMARY	GAL	8,593	9,899	7,521	7,289	7,275	4,387	7,174	6,475	9,785	6,811	8,807	8,711	92,727
	13.9	SECONDARY	GAL	918	0	10	10	0	1,280	2	0	0	0	0	1,260	3,480
Control Area	PHASE 3	PRIMARY	GAL	36,285	31,711	33,811	35,133	31,701	30,400	33,912	30,388	29,634	32,166	30,065	29,902	385,108
	10.5	SECONDARY	GAL	0	0	0	1	0	0	1	1	0	1	1,670	1	1,675
	PHASE 4	PRIMARY	GAL	60,014	65,167	62,284	54,254	42,801	55,603	59,601	47,402	46,360	63,969	62,373	72,321	692,149
	11.1	SECONDARY	GAL	758	4,974	0	0	20,216	0	4,941	0	0	4,663	0	4,624	40,176
Current Disposal Area	PHASE 11	PRIMARY	GAL	33,344	38,198	36,576	36,429	17,511	10,269	31,671	27,511	33,090	29,198	27,904	29,908	351,609
	10.3	SECONDARY	GAL	0	2,665	0	1,765	0	0	3	1	2,483	0	0	3,012	9,929
	PHASE 12	PRIMARY	GAL	42,989	38,756	39,139	35,840	31,098	27,595	30,100	31,477	25,505	31,297	30,522	30,522	394,840
	9.5	SECONDARY	GAL	0	1,530	0	1,567	0	0	1	0	0	3,177	1	0.5	6,276
	Monthly Total			194,482	203,439	190,823	185,109	162,555	135,758	170,414	153,050	157,518	180,977	165,732	190,368	2,090,224

Note that May and June 2004 quantities for the primary are estimates; flowmeter malfunction resulted in incomplete data

TABLE 6
SUMMARY OF LEACHATE QUANTITY DATA
continued

2005

	Phase	Area (Acres)		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Annual Total
Test Area	PH 1 & 2 NOR 12.5	PRIMARY	GAL	2,969	551	547	11,138	12,476	11,623	13,174	11,610	11,727	12,624	12,120	12,085	112,644
		SECONDARY	GAL	139	0	17	0	0	0	0	679	0	0	0	0	835
	PH 1 & 2 SOU 13.9	PRIMARY	GAL	8,206	6,943	11,750	8,552	5,170	5,638	6,351	5,175	6,092	4,981	5,742	9,354	83,954
		SECONDARY	GAL	218	0	5	0	1,148	0	0	0	0	1,067	0	0	2,438
Control Area	PHASE 3 10.5	PRIMARY	GAL	29,985	26,803	29,852	30,761	28,575	27,476	30,459	32,423	33,996	31,940	33,161	32,365	367,796
		SECONDARY	GAL	0	0	1	0	1	0	0	0	438	0	0	0	440
	PHASE 4 11.1	PRIMARY	GAL	76,428	51,594	67,570	61,837	56,185	54,137	54,513	50,258	51,191	52,072	50,643	49,859	676,287
		SECONDARY	GAL	0	4,847	12	5,034	0	4,995	0	0	0	4,876	0	0	19,764
Current Disposal Area	PHASE 11 10.3	PRIMARY	GAL	26,102	26,185	30,226	29,935	24,520	22,786	23,618	22,350	21,615	18,845	22,939	24,877	293,998
		SECONDARY	GAL	0	0	2,584	0	3	0	0	4	2,100	0	0	0	4,691
	PHASE 12 9.5	PRIMARY	GAL	28,720	31,077	33,560	37,062	34,722	30,400	35,939	31,734	30,994	27,114	29,531	28,935	379,788
		SECONDARY	GAL	0	0	2,790	0	0	0	0	3,556	0	0	0	0	6,346
	Monthly Total			172,767	148,000	178,914	184,319	162,800	157,055	164,054	157,789	158,153	153,519	154,136	157,475	1,948,981

TABLE 6
SUMMARY OF LEACHATE QUANTITY DATA
continued

2006

	Phase	Area (Acres)		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Annual Total
Test Area	PH 1 & 2 NOR	PRIMARY	GAL	14,432	12,603	13,700	13,516	14,235	12,416	13,255	12,104	11,337	11,056	10,952	9,472	149,078
	12.5	SECONDARY	GAL	23	0	0	0	0	0	296	0	0	0	519	0	838
	PH 1 & 2 SOU	PRIMARY	GAL	10,825	8,324	5,651	5,920	6,856	5,782	8,275	8,517	7,010	9,251	10,912	8,380	95,703
	13.9	SECONDARY	GAL	494	0	0	1,046	0	0	1,158	0	0	723	0	716	4,137
Control Area	PHASE 3	PRIMARY	GAL	39,010	32,473	36,142	32,526	36,497	32,430	46,103	37,349	34,937	39,897	45,248	43,114	455,726
	10.5	SECONDARY	GAL	0	2	0	0	0	0	104	0	71	2,839	0	2,035	5,051
	PHASE 4	PRIMARY	GAL	71,496	57,609	64,797	57,407	62,697	49,468	53,023	49,612	53,343	60,121	62,227	57,438	699,238
	11.1	SECONDARY	GAL	4,830	4,782	0	0	0	4,749	631	0	4,880	0	4,642	0	24,514
Current Disposal Area	PHASE 11	PRIMARY	GAL	22,204	18,899	20,211	17,645	20,331	17,416	19,466	18,068	16,778	16,626	17,298	16,523	221,465
	10.3	SECONDARY	GAL	0	0	0	2,539	0	0	0	0	0	0	0	0	2,539
	PHASE 12	PRIMARY	GAL	32,168	26,265	26,282	21,395	27,401	22,313	24,836	25,924	23,638	27,430	25,259	23,108	306,019
	9.5	SECONDARY	GAL	0	0	0	0	0	1,244	0	947	0	0	0	0	2,191
	Monthly Total			195,482	160,957	166,783	151,994	168,017	145,818	167,147	152,521	151,994	167,943	177,057	160,786	1,966,499

TABLE 6
SUMMARY OF LEACHATE QUANTITY DATA
continued

2007

	Phase	Area (Acres)		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Annual Total
Test Area	PH 1 & 2 NOR	PRIMARY	GAL	11,392	9,992	10,984	9,704	12,354	9,316	11,031	11,627	8,751	10,885	10,364	9,532	125,932
	12.5	SECONDARY	GAL	167	2	0	0	0	0	575	249	2	0	0	2,223	3,218
	PH 1 & 2 SOU	PRIMARY	GAL	10,630	12,089	11,094	10,035	15,312	10,614	13,630	5,634	18,368	14,118	13,233	16,567	151,324
	13.9	SECONDARY	GAL	799	79	0	0	0	851	390	0	0	766	0	2,223	5,108
Control Area	PHASE 3	PRIMARY	GAL	54,828	47,151	49,713	39,263	63,584	38,566	50,951	89,381	56,348	58,763	56,011	16,567	621,126
	10.5	SECONDARY	GAL	0	0	0	2,132	0	1	4,142	4	2,137	1,473	1,348	1,411	12,648
	PHASE 4	PRIMARY	GAL	61,908	61,120	56,977	48,928	61,321	46,394	47,446	46,897	42,766	55,147	50,449	66,524	645,877
	11.1	SECONDARY	GAL	5,459	0	4,564	0	4,841	0	5,070	2	4,776	0	4,884	0	29,596
Current Disposal Area	PHASE 11	PRIMARY	GAL	19,431	17,232	19,578	16,254	20,467	17,290	19,756	22,284	15,529	17,297	15,082	19,206	219,406
	10.3	SECONDARY	GAL	0	0	0	0	0	1	0	1	0	0	0	0	2
	PHASE 12	PRIMARY	GAL	24,016	22,502	22,494	19,314	25,056	19,671	20,065	24,002	16,132	22,606	19,419	18,847	254,124
	9.5	SECONDARY	GAL	0	0	0	0	3,019	0	0	0	0	0	0	0	3,019
	Monthly Total			188,630	170,167	175,404	145,630	205,954	142,704	173,056	200,081	164,809	181,055	170,790	153,100	2,071,380

TABLE 6
SUMMARY OF LEACHATE QUANTITY DATA
continued

2008

	Phase	Area (Acres)		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Annual Total
Test Area	PH 1 & 2 NOR	PRIMARY	GAL	10,530	10,505	10,758	11,259	13,536	13,484	10,978	14,294	12,369	11,194	11,545	11,552	142,004
	12.5	SECONDARY	GAL	0	0	0	0	0	0	36	0	0	8	0	0	44
	PH 1 & 2 SOU	PRIMARY	GAL	16,863	21,087	18,697	18,187	56,652	26,545	14,466	20,075	18,364	16,342	17,124	16,184	260,586
	13.9	SECONDARY	GAL	710	4,110	2,094	9,797	5,701	0	863	1	3,475	894	2,834	6,869	37,348
Control Area	PHASE 3	PRIMARY	GAL	57,113	60,020	16,389	55,833	65,862	58,393	43,444	51,599	51,517	48,802	50,414	46,726	606,112
	10.5	SECONDARY	GAL	3,462	0	0	0	5,302	9,333	8,042	8,870	9,387	11,388	9,484	10,454	75,722
	PHASE 4	PRIMARY	GAL	50,562	45,996	33,013	24,403	33,880	28,410	21,855	29,770	30,411	39,368	35,275	46,876	419,819
	11.1	SECONDARY	GAL	6	4,948	4,817	4,923	4,760	0	5,315	0	4,804	18	4,799	4,896	39,286
Current Disposal Area	PHASE 11	PRIMARY	GAL	17,092	29,146	35,807	43,057	49,104	42,512	34,211	44,031	41,304	32,632	42,943	30,678	442,517
	10.3	SECONDARY	GAL	0	0	0	0	0	0	0	0	13	131	2,480	0	2,624
	PHASE 12	PRIMARY	GAL	22,124	23,952	26,533	28,276	23,799	28,828	18,872	20,351	27,431	25,407	22,901	36,851	305,325
	9.5	SECONDARY	GAL	0	0	1	3	0	1,372	0	0	0	0	0	0	1,376
	Monthly Total			178,462	199,764	148,109	195,738	258,596	208,877	158,082	188,991	199,075	186,184	199,799	211,086	2,332,763

TABLE 6
SUMMARY OF LEACHATE QUANTITY DATA
continued

2009

	Phase	Area (Acres)		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Annual Total
Test Area	PH 1 & 2 NOR	PRIMARY	GAL	11,169	7,869	12,296	12,746	6,730	11,394	4,553	10,340	11,594	10,361	11,623	5,255	115,930
	12.5	SECONDARY	GAL	321	0	0	271	0	166	0	1	0	197	0	188	1,144
	PH 1 & 2 SOU	PRIMARY	GAL	16,193	15,178	17,915	17,553	16,531	17,901	17,621	16,632	15,493	15,131	16,070	16,470	198,688
	13.9	SECONDARY	GAL	2,780	0	8,004	3,135	3,952	0	839	0	0	0	22,016	18,804	59,530
Control Area	PHASE 3	PRIMARY	GAL	51,422	47,710	54,350	56,185	59,200	32,008	70,659	53,361	48,171	44,526	44,506	49,811	611,909
	10.5	SECONDARY	GAL	7,086	1,228	24,591	12,066	9,556	11,410	15,245	6,809	7,576	7,622	8,194	12,460	123,843
	PHASE 4	PRIMARY	GAL	34,070	16,418	61,605	61,462	63,194	65,823	22,160	9,995	27,703	8,960	1,584	14,352	387,326
	11.1	SECONDARY	GAL	14,960	38,032	14,623	10,118	6,441	6,463	3,749	0	3,109	3,237	1,645	7,288	109,665
Current Disposal Area	PHASE 11	PRIMARY	GAL	22,742	4,915	61,999	33,468	38,967	36,750	49,082	47,588	43,883	45,418	77,865	97,369	560,046
	10.3	SECONDARY	GAL	0	47	4,645	3,583	1,405	1,648	1,284	1,106	902	865	1,841	3,439	20,765
	PHASE 12	PRIMARY	GAL	31,757	26,976	41,824	37,915	32,694	31,539	23,264	19,087	12,939	14,528	50,563	33,388	356,474
	9.5	SECONDARY	GAL	0	0	0	1,174	243	126	126	217	150	216	2	1,138	3,392
	Monthly Total			192,500	158,373	301,852	249,676	238,913	215,228	208,582	165,136	171,520	151,061	235,909	259,962	2,548,712

TABLE 6
SUMMARY OF LEACHATE QUANTITY DATA
continued

2010

	Phase	Area (Acres)		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Annual Total
Test Area	PH 1 & 2 NOR 12.5	PRIMARY	GAL	12,955	15,597	19,478	18,350	16,000	16,914							
		SECONDARY	GAL	0	1	0	0	0	0							
	PH 1 & 2 SOU 13.9	PRIMARY	GAL	12,414	15,813	20,126	19,065	17,299	17,228							
		SECONDARY	GAL	4,576	17,083	7,422	985	319	339							
Control Area	PHASE 3 10.5	PRIMARY	GAL	49,763	55,582	73,870	70,664	54,220	58,595							
		SECONDARY	GAL	12,244	11,796	82,991	72,331	59,858	49,964							
	PHASE 4 11.1	PRIMARY	GAL	32,045	37,835	134,087	73,150	69,821	70,709							
		SECONDARY	GAL	6,086	7	31,363	8,365	26,354	8,679							
Current Disposal Area	PHASE 11 10.3	PRIMARY	GAL	43,633	27,306	34,577	132,585	82,536	80,661							
		SECONDARY	GAL	2440	4,125	3,836	2,313	1,862	2,063							
	PHASE 12 9.5	PRIMARY	GAL	51,753	27,468	80,885	47,119	33,082	33,206							
		SECONDARY	GAL	555	2	2,384	454	348	87							
	Monthly Total			228,464	212,615	491,019	445,381	361,699	338,445							

TABLE 7-1
LIQUID APPLICATION MONTHLY SUMMARY
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

Year	Month	Monthly Summary by Trench								
		1	2	3	4	5	6	7	8	Monthly Total
2002	August	33,417	27,075	20,038	0	0	0	0	0	80,530
	September	94,083	120,610	114,345	0	0	0	0	0	329,038
	October	100,898	60,298	94,012	0	0	0	0	0	255,208
	November	46,728	13,321	46,562	0	0	0	0	0	106,611
	December	39,941	19,949	33,005	0	0	0	0	0	92,895
2003	January	53,732	32,115	51,842	0	0	0	0	0	137,689
	February	29,197	12,590	20,714	0	0	0	0	0	62,501
	March	19,565	13,154	19,620	0	0	0	0	0	52,339
	April	33,706	24,490	43,570	0	0	0	0	0	101,766
	May	11,905	12,474	17,371	0	0	0	0	0	41,750
	June	0	0	0	0	0	0	0	0	0
	July	0	0	0	248,950	139,718	0	0	0	388,668
	August	0	0	0	0	112,031	0	0	0	112,031
	September	0	15,802	22,608	117,703	80,504	0	0	0	236,617
	October	24,607	0	0	0	0	0	0	0	24,607
	November	0	0	0	35,743	29,129	0	0	0	64,872
	December	0	0	0	140,777	238,300	0	0	0	379,077
2004	January	35,257	0	12,933	164,151	245,001	0	0	0	457,342
	February	69,599	34,418	38,223	60,363	201,953	0	0	0	404,556
	March	0	0	0	0	157,405	0	0	0	157,405
	April	23,745	0	0	63,359	110,112	0	0	0	197,216
	May	0	0	0	51,839	84,865	0	0	0	136,704
	June	36,250	19,276	18,502	50,404	132,636	0	0	0	257,068
	July	34,449	16,637	10,210	49,976	198,092	0	0	0	309,364
	August	16,519	9,417	14,938	35,048	104,081	0	0	0	180,003
	September	29,513	12,468	8,523	26,185	144,875	0	0	0	221,564
	October	19,775	0	0	37,125	128,531	0	0	0	185,431
	November	21,252	5,416	11,639	28,025	87,969	0	0	0	154,301
	December	16,262	5,648	14,098	20,738	122,827	0	0	0	179,573
2005	January	5,057	10,347	15,257	76,625	130,482	0	0	0	237,768
	February	11,293	2,916	7,137	47,995	157,505	0	0	0	226,846
	March	10,732	4,033	6,391	43,018	171,709	0	0	0	235,883
	April	5,426	4,475	0	22,235	156,069	0	0	0	188,205
	May	12,712	0	0	28,648	136,561	0	0	0	177,921
	June	0	0	0	0	155,654	0	0	0	155,654
	July	17,534	0	0	11,738	155,170	0	0	0	184,442
	August	15,568	0	0	0	293,880	0	0	0	309,448
	September	0	0	0	0	237,093	0	0	0	237,093
	October	0	0	0	0	315,580	0	0	0	315,580
	November	15,227	0	0	0	153,764	0	0	210,260	379,251
	December	0	0	0	0	74,453	0	126,824	40,852	242,129

TABLE 7-1
LIQUID APPLICATION MONTHLY SUMMARY
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

Year	Month	Monthly Summary by Trench								
		1	2	3	4	5	6	7	8	Monthly Total
2006	January	0	0	0	0	233,356	0	21,363	35,571	290,290
	February	0	0	0	0	181,283	0	0	73,011	254,294
	March	0	0	0	0	188,796	0	38,851	41,408	269,055
	April	0	0	0	0	77,324	0	38,916	73,706	189,946
	May	0	0	0	0	213,770	0	43,627	0	257,397
	June	0	0	0	0	179,661	0	32,114	36,325	248,100
	July	0	0	10,661	9,116	176,388	29,124	9,241	48,468	282,998
	August	0	0	0	0	231,075	0	23,129	36,681	290,885
	September	0	0	0	0	214,598	0	44,567	0	259,165
	October	0	0	0	0	88,490	0	48,862	0	137,352
	November	0	0	0	0	0	0	0	0	0
	December	0	0	0	0	0	0	0	0	0
2007	January	0	0	0	0	0	0	0	0	0
	February	0	0	0	0	0	0	0	0	0
	March	0	0	0	0	0	0	0	0	0
	April	0	0	0	0	0	0	0	0	0
	May	0	0	0	0	0	0	0	0	0
	June	0	0	0	0	25,162	36,089	35,243	0	96,494
	July	0	0	0	0	163,038	0	0	35,288	198,326
	August	0	0	0	0	204,333	0	0	0	204,333
	September	0	0	0	0	82,872	0	0	0	82,872
	October	0	0	0	0	276,887	0	33,338	0	310,225
	November	0	0	0	0	227,640	0	0	0	227,640
	December	0	0	0	0	185,710	0	0	29,400	215,110
2008	January	0	0	0	0	64,053	0	0	0	64,053
	February	0	0	0	23,982	172,405	43,613	51,836	44,257	336,093
	March	0	0	0	0	23,917	0	0	0	23,917
	April	0	0	0	0	0	0	0	0	0
	May	0	0	0	0	0	0	0	0	0
	June	0	0	0	0	0	0	0	0	0
	July	0	0	0	0	0	0	0	0	0
	August	0	0	0	0	0	0	0	0	0
	September	0	0	0	0	0	0	0	0	0
	October	0	0	0	0	0	0	0	0	0
	November	0	0	0	0	0	0	0	0	0
	December	0	0	0	0	0	0	0	0	0
2009	January	0	0	0	0	0	0	0	0	0
	February	0	0	0	0	0	0	0	0	0
	March	0	0	0	0	0	0	0	0	0
	April	0	0	0	0	0	0	0	0	0
	May	0	0	0	0	0	0	0	0	0
	June	0	0	0	0	0	0	0	0	0
	July	0	0	0	0	0	0	0	0	0
	August	0	0	0	0	0	0	0	0	0
	September	0	0	0	0	0	0	0	0	0
	October	0	0	0	0	0	0	0	0	0
	November	0	0	0	0	0	0	0	0	0
	December	0	0	0	0	0	0	0	0	0

TABLE 7-1
LIQUID APPLICATION MONTHLY SUMMARY
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

Year	Month	Monthly Summary by Trench								
		1	2	3	4	5	6	7	8	Monthly Total
2010	January	0	0	0	0	0	0	0	0	0
	February	0	0	0	0	0	0	0	0	0
	March	0	0	0	0	0	0	0	0	0
	April	0	0	0	0	0	0	0	0	0
	May	0	0	0	0	0	0	0	0	0
	June	0	0	0	0	0	0	0	0	0
	July									
	August									
	September									
	October									
	November									
	December									
Total by Trench		883,949	476,929	652,199	1,393,743	7,666,707	108,826	547,911	705,227	12,435,491

TABLE 7-2
LIQUID APPLICATION SUMMARY
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

	Liquid Applied by Trench (gallons)									Monthly Summary by Trench								
Date	1	2	3	4	5	6	7	8	Cumulative Total	1	2	3	4	5	6	7	8	Monthly Total
8/20/2002	13,441	7,203	0	0	0	0	0	0	20,644									
8/21/2002	0	0	0	0	0	0	0	0	20,644									
8/22/2002	6,695	6,662	6,669	0	0	0	0	0	40,670									
8/23/2002	0	0	0	0	0	0	0	0	40,670									
8/24/2002	0	0	0	0	0	0	0	0	40,670									
8/25/2002	13,281	13,210	13,369	0	0	0	0	0	80,530									
8/26/2002	0	0	0	0	0	0	0	0	80,530									
8/27/2002	0	0	0	0	0	0	0	0	80,530									
8/28/2002	0	0	0	0	0	0	0	0	80,530									
8/29/2002	0	0	0	0	0	0	0	0	80,530									
8/30/2002	0	0	0	0	0	0	0	0	80,530									
8/31/2002	0	0	0	0	0	0	0	0	80,530	33,417	27,075	20,038	0	0	0	0	0	80,530
9/1/2002	0	0	0	0	0	0	0	0	80,530									
9/2/2002	0	0	0	0	0	0	0	0	80,530									
9/3/2002	0	6,500	0	0	0	0	0	0	87,030									
9/4/2002	0	0	0	0	0	0	0	0	87,030									
9/5/2002	6,600	6,524	6,570	0	0	0	0	0	106,724									
9/6/2002	0	0	0	0	0	0	0	0	106,724									
9/7/2002	0	0	0	0	0	0	0	0	106,724									
9/8/2002	0	0	0	0	0	0	0	0	106,724									
9/9/2002	6,722	13,456	13,439	0	0	0	0	0	140,341									
9/10/2002	0	0	0	0	0	0	0	0	140,341									
9/11/2002	13,396	13,420	13,405	0	0	0	0	0	180,562									
9/12/2002	13,408	13,405	13,470	0	0	0	0	0	220,845									
9/13/2002	0	0	0	0	0	0	0	0	220,845									
9/14/2002	0	0	0	0	0	0	0	0	220,845									
9/15/2002	0	0	0	0	0	0	0	0	220,845									
9/16/2002	0	13,415	13,482	0	0	0	0	0	247,742									
9/17/2002	0	0	0	0	0	0	0	0	247,742									
9/18/2002	13,422	13,446	13,492	0	0	0	0	0	288,102									
9/19/2002	0	0	0	0	0	0	0	0	288,102									
9/20/2002	0	0	0	0	0	0	0	0	288,102									
9/21/2002	0	0	0	0	0	0	0	0	288,102									
9/22/2002	0	0	0	0	0	0	0	0	288,102									
9/23/2002	13,544	13,468	13,506	0	0	0	0	0	328,620									
9/25/2002	13,523	13,470	13,511	0	0	0	0	0	369,124									
9/26/2002	0	0	0	0	0	0	0	0	369,124									
9/27/2002	0	0	0	0	0	0	0	0	369,124									
9/28/2002	0	0	0	0	0	0	0	0	369,124									
9/29/2002	0	0	0	0	0	0	0	0	369,124									
9/30/2002	13,468	13,506	13,470	0	0	0	0	0	409,568	94,083	120,610	114,345	0	0	0	0	0	329,038
10/1/2002	6,700	6,698	6,733	0	0	0	0	0	429,699									
10/2/2002	6,726	6,707	0	0	0	0	0	0	443,132									
10/3/2002	0	0	0	0	0	0	0	0	443,132									
10/4/2002	0	0	0	0	0	0	0	0	443,132									
10/5/2002	0	0	0	0	0	0	0	0	443,132									
10/6/2002	0	0	0	0	0	0	0	0	443,132									
10/7/2002	6,743	6,699	6,700	0	0	0	0	0	463,274									
10/8/2002	6,690	6,664	6,757	0	0	0	0	0	483,385									
10/9/2002	0	0	0	0	0	0	0	0	483,385									
10/10/2002	13,454	6,683	6,709	0	0	0	0	0	510,231									
10/11/2002	0	0	0	0	0	0	0	0	510,231									
10/12/2002	0	0	0	0	0	0	0	0	510,231									
10/13/2002	0	0	0	0	0	0	0	0	510,231									
10/14/2002	0	0	0	0	0	0	0	0	510,231									
10/15/2002	6,757	6,683	13,459	0	0	0	0	0	537,130									
10/16/2002	0	0	0	0	0	0	0	0	537,130									
10/17/2002	13,455	6,762	13,464	0	0	0	0	0	570,811									
10/18/2002	0	0	0	0	0	0	0	0	570,811									
10/19/2002	0	0	0	0	0	0	0	0	570,811									
10/20/2002	0	0	0	0	0	0	0	0	570,811									
10/21/2002	13,637	6,792	13,521	0	0	0	0	0	604,761									
10/22/2002	0	0	0	0	0	0	0	0	604,761									
10/23/2002	0	0	0	0	0	0	0	0	604,761									
10/24/2002	13,502	0	13,388	0	0	0	0	0	631,651									
10/25/2002	0	0	0	0	0	0	0	0	631,651									
10/26/2002	0	0	0	0	0	0	0	0	631,651									
10/27/2002	0	0	0	0	0	0	0	0	631,651									
10/28/2002	13,234	6,610	13,281	0	0	0	0	0	664,776									
10/29/2002	0	0	0	0	0	0	0	0	664,776									
10/30/2002	0	0	0	0	0	0	0	0	664,776									
10/31/2002	0	0	0	0	0	0	0	0	664,776	100,898	60,298	94,012	0	0	0	0	0	255,208

TABLE 7-2
LIQUID APPLICATION SUMMARY
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

	Liquid Applied by Trench (gallons)									Monthly Summary by Trench								
Date	1	2	3	4	5	6	7	8	Cumulative Total	1	2	3	4	5	6	7	8	Monthly Total
11/1/2002	13,338	0	13,265	0	0	0	0	0	691,379									
11/2/2002	0	0	0	0	0	0	0	0	691,379									
11/3/2002	0	0	0	0	0	0	0	0	691,379									
11/4/2002	13,364	6,676	13,321	0	0	0	0	0	724,740									
11/5/2002	0	0	0	0	0	0	0	0	724,740									
11/6/2002	0	0	0	0	0	0	0	0	724,740									
11/7/2002	13,362	6,645	13,345	0	0	0	0	0	758,092									
11/8/2002	0	0	0	0	0	0	0	0	758,092									
11/9/2002	0	0	0	0	0	0	0	0	758,092									
11/10/2002	0	0	0	0	0	0	0	0	758,092									
11/11/2002	0	0	0	0	0	0	0	0	758,092									
11/12/2002	0	0	0	0	0	0	0	0	758,092									
11/13/2002	0	0	0	0	0	0	0	0	758,092									
11/14/2002	0	0	0	0	0	0	0	0	758,092									
11/15/2002	0	0	0	0	0	0	0	0	758,092									
11/16/2002	0	0	0	0	0	0	0	0	758,092									
11/17/2002	0	0	0	0	0	0	0	0	758,092									
11/18/2002	0	0	0	0	0	0	0	0	758,092									
11/19/2002	6,664	0	6,631	0	0	0	0	0	771,387									
11/20/2002	0	0	0	0	0	0	0	0	771,387									
11/21/2002	0	0	0	0	0	0	0	0	771,387									
11/22/2002	0	0	0	0	0	0	0	0	771,387									
11/23/2002	0	0	0	0	0	0	0	0	771,387									
11/24/2002	0	0	0	0	0	0	0	0	771,387									
11/25/2002	0	0	0	0	0	0	0	0	771,387									
11/26/2002	0	0	0	0	0	0	0	0	771,387									
11/27/2002	0	0	0	0	0	0	0	0	771,387									
11/28/2002	0	0	0	0	0	0	0	0	771,387									
11/29/2002	0	0	0	0	0	0	0	0	771,387									
11/30/2002	0	0	0	0	0	0	0	0	771,387	46,728	13,321	46,562	0	0	0	0	0	106,611
12/1/2002	0	0	0	0	0	0	0	0	771,387									
12/2/2002	0	0	0	0	0	0	0	0	771,387									
12/3/2002	0	0	0	0	0	0	0	0	771,387									
12/4/2002	6,477	6,520	6,493	0	0	0	0	0	790,877									
12/5/2002	0	0	0	0	0	0	0	0	790,877									
12/6/2002	0	0	0	0	0	0	0	0	790,877									
12/7/2002	0	0	0	0	0	0	0	0	790,877									
12/8/2002	0	0	0	0	0	0	0	0	790,877									
12/9/2002	0	0	0	0	0	0	0	0	790,877									
12/10/2002	13,200	13,429	19,940	0	0	0	0	0	837,446									
12/11/2002	0	0	0	0	0	0	0	0	837,446									
12/12/2002	6,795	0	6,572	0	0	0	0	0	850,813									
12/13/2002	0	0	0	0	0	0	0	0	850,813									
12/14/2002	0	0	0	0	0	0	0	0	850,813									
12/15/2002	0	0	0	0	0	0	0	0	850,813									
12/16/2002	0	0	0	0	0	0	0	0	850,813									
12/17/2002	0	0	0	0	0	0	0	0	850,813									
12/18/2002	0	0	0	0	0	0	0	0	850,813									
12/19/2002	0	0	0	0	0	0	0	0	850,813									
12/20/2002	0	0	0	0	0	0	0	0	850,813									
12/21/2002	0	0	0	0	0	0	0	0	850,813									
12/22/2002	0	0	0	0	0	0	0	0	850,813									
12/23/2002	0	0	0	0	0	0	0	0	850,813									
12/24/2002	0	0	0	0	0	0	0	0	850,813									
12/25/2002	0	0	0	0	0	0	0	0	850,813									
12/26/2002	13,469	0	0	0	0	0	0	0	864,282									
12/27/2002	0	0	0	0	0	0	0	0	864,282									
12/28/2002	0	0	0	0	0	0	0	0	864,282									
12/29/2002	0	0	0	0	0	0	0	0	864,282									
12/30/2002	0	0	0	0	0	0	0	0	864,282									
12/31/2002	0	0	0	0	0	0	0	0	864,282	39,941	19,949	33,005	0	0	0	0	0	92,895
1/1/2003	0	0	0	0	0	0	0	0	864,282									
1/2/2003	0	0	0	0	0	0	0	0	864,282									
1/3/2003	0	0	0	0	0	0	0	0	864,282									
1/4/2003	0	0	0	0	0	0	0	0	864,282									
1/5/2003	0	0	0	0	0	0	0	0	864,282									
1/6/2003	7,032	6,690	6,932	0	0	0	0	0	884,936									
1/7/2003	0	0	0	0	0	0	0	0	884,936									
1/8/2003	0	0	0	0	0	0	0	0	884,936									
1/9/2003	0	0	0	0	0	0	0	0	884,936									
1/10/2003	0	0	0	0	0	0	0	0	884,936									
1/11/2003	0	0	0	0	0	0	0	0	884,936									
1/12/2003	0	0	0	0	0	0	0	0	884,936									
1/13/2003	7,238	0	0	0	0	0	0	0	892,174									
1/14/2003	12,681	6,669	6,605	0	0	0	0	0	918,129									
1/15/2003	0	0	0	0	0	0	0	0	918,129									
1/16/2003	0	0	0	0	0	0	0	0	918,129									
1/17/2003	0	0	0	0	0	0	0	0	918,129									
1/18/2003	0	0	0	0	0	0	0	0	918,129									
1/19/2003	0	0	0	0	0	0	0	0	918,129									
1/20/2003	0	0	13,306	0	0	0	0	0	931,435									
1/21/2003	6,427	6,652	12,605	0	0	0	0	0	957,119									
1/22/2003	7,130	0	0	0	0	0	0	0	964,249									
1/23/2003	0	0	0	0	0	0	0	0	964,249									
1/24/2003	0	0	0	0	0	0	0	0	964,249									
1/25/2003	0	0	0	0	0	0	0	0	964,249									
1/26/2003	0	0	0	0	0	0	0	0	964,249									
1/27/2003	6,904	6,017	6,406	0	0	0	0	0	983,576									
1/28/2003	0	0	0	0	0	0	0	0	983,576									
1/29/2003	0	0	0	0	0	0	0	0	983,576									
1/30/2003	6,320	6,087	5,988	0	0	0	0	0	1,001,971									
1/31/2003	0	0	0	0	0	0	0	0	1,001,971	53,732	32,115	51,842	0	0	0	0	0	137,689

TABLE 7-2
LIQUID APPLICATION SUMMARY
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

	Liquid Applied by Trench (gallons)									Monthly Summary by Trench								
Date	1	2	3	4	5	6	7	8	Cumulative Total	1	2	3	4	5	6	7	8	Monthly Total
2/1/2003	0	0	0	0	0	0	0	0	1,001,971									
2/2/2003	0	0	0	0	0	0	0	0	1,001,971									
2/3/2003	0	0	0	0	0	0	0	0	1,001,971									
2/4/2003	0	0	0	0	0	0	0	0	1,001,971									
2/5/2003	12,529	6,377	6,358	0	0	0	0	0	1,027,235									
2/6/2003	2,878	0	9,528	0	0	0	0	0	1,039,641									
2/7/2003	0	0	0	0	0	0	0	0	1,039,641									
2/8/2003	0	0	0	0	0	0	0	0	1,039,641									
2/9/2003	0	0	0	0	0	0	0	0	1,039,641									
2/10/2003	0	0	0	0	0	0	0	0	1,039,641									
2/11/2003	0	0	0	0	0	0	0	0	1,039,641									
2/12/2003	0	0	0	0	0	0	0	0	1,039,641									
2/13/2003	6,384	6,213	4,828	0	0	0	0	0	1,057,066									
2/14/2003	7,406	0	0	0	0	0	0	0	1,064,472									
2/15/2003	0	0	0	0	0	0	0	0	1,064,472									
2/16/2003	0	0	0	0	0	0	0	0	1,064,472									
2/17/2003	0	0	0	0	0	0	0	0	1,064,472									
2/18/2003	0	0	0	0	0	0	0	0	1,064,472									
2/19/2003	0	0	0	0	0	0	0	0	1,064,472									
2/20/2003	0	0	0	0	0	0	0	0	1,064,472									
2/21/2003	0	0	0	0	0	0	0	0	1,064,472									
2/22/2003	0	0	0	0	0	0	0	0	1,064,472									
2/23/2003	0	0	0	0	0	0	0	0	1,064,472									
2/24/2003	0	0	0	0	0	0	0	0	1,064,472									
2/25/2003	0	0	0	0	0	0	0	0	1,064,472									
2/26/2003	0	0	0	0	0	0	0	0	1,064,472									
2/27/2003	0	0	0	0	0	0	0	0	1,064,472									
2/28/2003	0	0	0	0	0	0	0	0	1,064,472	29,197	12,590	20,714	0	0	0	0	0	62,501
3/1/2003	0	0	0	0	0	0	0	0	1,064,472									
3/2/2003	0	0	0	0	0	0	0	0	1,064,472									
3/3/2003	0	0	0	0	0	0	0	0	1,064,472									
3/4/2003	0	0	0	0	0	0	0	0	1,064,472									
3/5/2003	0	0	0	0	0	0	0	0	1,064,472									
3/6/2003	0	0	0	0	0	0	0	0	1,064,472									
3/7/2003	0	0	0	0	0	0	0	0	1,064,472									
3/8/2003	0	0	0	0	0	0	0	0	1,064,472									
3/9/2003	0	0	0	0	0	0	0	0	1,064,472									
3/10/2003	0	0	0	0	0	0	0	0	1,064,472									
3/11/2003	0	0	0	0	0	0	0	0	1,064,472									
3/12/2003	0	0	0	0	0	0	0	0	1,064,472									
3/13/2003	0	0	0	0	0	0	0	0	1,064,472									
3/14/2003	0	0	0	0	0	0	0	0	1,064,472									
3/15/2003	0	0	0	0	0	0	0	0	1,064,472									
3/16/2003	0	0	0	0	0	0	0	0	1,064,472									
3/17/2003	0	0	0	0	0	0	0	0	1,064,472									
3/18/2003	0	0	0	0	0	0	0	0	1,064,472									
3/19/2003	0	0	0	0	0	0	0	0	1,064,472									
3/20/2003	0	0	0	0	0	0	0	0	1,064,472									
3/21/2003	0	0	0	0	0	0	0	0	1,064,472									
3/22/2003	0	0	0	0	0	0	0	0	1,064,472									
3/23/2003	0	0	0	0	0	0	0	0	1,064,472									
3/24/2003	0	0	0	0	0	0	0	0	1,064,472									
3/25/2003	0	0	0	0	0	0	0	0	1,064,472									
3/26/2003	6,646	13,154	13,062	0	0	0	0	0	1,097,334									
3/27/2003	12,919	0	6,558	0	0	0	0	0	1,116,811									
3/28/2003	0	0	0	0	0	0	0	0	1,116,811									
3/29/2003	0	0	0	0	0	0	0	0	1,116,811									
3/30/2003	0	0	0	0	0	0	0	0	1,116,811									
3/31/2003	0	0	0	0	0	0	0	0	1,116,811	19,565	13,154	19,620	0	0	0	0	0	52,339
4/1/2003	6,308	6,536	6,432	0	0	0	0	0	1,136,087									
4/2/2003	0	0	0	0	0	0	0	0	1,136,087									
4/3/2003	0	0	0	0	0	0	0	0	1,136,087									
4/4/2003	0	0	0	0	0	0	0	0	1,136,087									
4/5/2003	0	0	0	0	0	0	0	0	1,136,087									
4/6/2003	0	0	0	0	0	0	0	0	1,136,087									
4/7/2003	0	0	0	0	0	0	0	0	1,136,087									
4/8/2003	3,278	0	12,750	0	0	0	0	0	1,152,115									
4/9/2003	0	0	0	0	0	0	0	0	1,152,115									
4/10/2003	6,208	5,734	0	0	0	0	0	0	1,164,057									
4/11/2003	0	0	0	0	0	0	0	0	1,164,057									
4/12/2003	0	0	0	0	0	0	0	0	1,164,057									
4/13/2003	0	0	0	0	0	0	0	0	1,164,057									
4/14/2003	0	0	0	0	0	0	0	0	1,164,057									
4/15/2003	6,441	0	6,087	0	0	0	0	0	1,176,585									
4/16/2003	0	0	0	0	0	0	0	0	1,176,585									
4/17/2003	5,746	6,168	6,420	0	0	0	0	0	1,194,919									
4/18/2003	0	0	0	0	0	0	0	0	1,194,919									
4/19/2003	0	0	0	0	0	0	0	0	1,194,919									
4/20/2003	0	0	0	0	0	0	0	0	1,194,919									
4/21/2003	0	0	0	0	0	0	0	0	1,194,919									
4/22/2003	0	0	0	0	0	0	0	0	1,194,919									
4/23/2003	0	0	0	0	0	0	0	0	1,194,919									
4/24/2003	0	0	0	0	0	0	0	0	1,194,919									
4/25/2003	0	0	0	0	0	0	0	0	1,194,919									
4/26/2003	0	0	0	0	0	0	0	0	1,194,919									
4/27/2003	0	0	0	0	0	0	0	0	1,194,919									
4/28/2003	0	0	0	0	0	0	0	0	1,194,919									
4/29/2003	5,725	6,052	11,881	0	0	0	0	0	1,218,577									
4/30/2003	0	0	0	0	0	0	0	0	1,218,577	33,706	24,490	43,570	0	0	0	0	0	101,766

TABLE 7-2
LIQUID APPLICATION SUMMARY
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

	Liquid Applied by Trench (gallons)									Monthly Summary by Trench								
Date	1	2	3	4	5	6	7	8	Cumulative Total	1	2	3	4	5	6	7	8	Monthly Total
5/1/2003	0	0	0	0	0	0	0	0	1,218,577									
5/2/2003	0	0	0	0	0	0	0	0	1,218,577									
5/3/2003	0	0	0	0	0	0	0	0	1,218,577									
5/4/2003	0	0	0	0	0	0	0	0	1,218,577									
5/5/2003	0	0	0	0	0	0	0	0	1,218,577									
5/6/2003	5,943	6,028	6,192	0	0	0	0	0	1,236,740									
5/7/2003	0	0	0	0	0	0	0	0	1,236,740									
5/8/2003	0	0	0	0	0	0	0	0	1,236,740									
5/9/2003	0	0	0	0	0	0	0	0	1,236,740									
5/10/2003	0	0	0	0	0	0	0	0	1,236,740									
5/11/2003	0	0	0	0	0	0	0	0	1,236,740									
5/12/2003	0	0	0	0	0	0	0	0	1,236,740									
5/13/2003	0	0	0	0	0	0	0	0	1,236,740									
5/14/2003	0	0	0	0	0	0	0	0	1,236,740									
5/15/2003	5,962	6,446	11,179	0	0	0	0	0	1,260,327									
5/16/2003	0	0	0	0	0	0	0	0	1,260,327									
5/17/2003	0	0	0	0	0	0	0	0	1,260,327									
5/18/2003	0	0	0	0	0	0	0	0	1,260,327									
5/19/2003	0	0	0	0	0	0	0	0	1,260,327									
5/20/2003	0	0	0	0	0	0	0	0	1,260,327									
5/21/2003	0	0	0	0	0	0	0	0	1,260,327									
5/22/2003	0	0	0	0	0	0	0	0	1,260,327									
5/23/2003	0	0	0	0	0	0	0	0	1,260,327									
5/24/2003	0	0	0	0	0	0	0	0	1,260,327									
5/25/2003	0	0	0	0	0	0	0	0	1,260,327									
5/26/2003	0	0	0	0	0	0	0	0	1,260,327									
5/27/2003	0	0	0	0	0	0	0	0	1,260,327									
5/28/2003	0	0	0	0	0	0	0	0	1,260,327									
5/29/2003	0	0	0	0	0	0	0	0	1,260,327									
5/30/2003	0	0	0	0	0	0	0	0	1,260,327									
5/31/2003	0	0	0	0	0	0	0	0	1,260,327	11,905	12,474	17,371	0	0	0	0	0	41,750
6/1/2003	0	0	0	0	0	0	0	0	1,260,327									
6/2/2003	0	0	0	0	0	0	0	0	1,260,327									
6/3/2003	0	0	0	0	0	0	0	0	1,260,327									
6/4/2003	0	0	0	0	0	0	0	0	1,260,327									
6/5/2003	0	0	0	0	0	0	0	0	1,260,327									
6/6/2003	0	0	0	0	0	0	0	0	1,260,327									
6/7/2003	0	0	0	0	0	0	0	0	1,260,327									
6/8/2003	0	0	0	0	0	0	0	0	1,260,327									
6/9/2003	0	0	0	0	0	0	0	0	1,260,327									
6/10/2003	0	0	0	0	0	0	0	0	1,260,327									
6/11/2003	0	0	0	0	0	0	0	0	1,260,327									
6/12/2003	0	0	0	0	0	0	0	0	1,260,327									
6/13/2003	0	0	0	0	0	0	0	0	1,260,327									
6/14/2003	0	0	0	0	0	0	0	0	1,260,327									
6/15/2003	0	0	0	0	0	0	0	0	1,260,327									
6/16/2003	0	0	0	0	0	0	0	0	1,260,327									
6/17/2003	0	0	0	0	0	0	0	0	1,260,327									
6/18/2003	0	0	0	0	0	0	0	0	1,260,327									
6/19/2003	0	0	0	0	0	0	0	0	1,260,327									
6/20/2003	0	0	0	0	0	0	0	0	1,260,327									
6/21/2003	0	0	0	0	0	0	0	0	1,260,327									
6/22/2003	0	0	0	0	0	0	0	0	1,260,327									
6/23/2003	0	0	0	0	0	0	0	0	1,260,327									
6/24/2003	0	0	0	0	0	0	0	0	1,260,327									
6/25/2003	0	0	0	0	0	0	0	0	1,260,327									
6/26/2003	0	0	0	0	0	0	0	0	1,260,327									
6/27/2003	0	0	0	0	0	0	0	0	1,260,327									
6/28/2003	0	0	0	0	0	0	0	0	1,260,327									
6/29/2003	0	0	0	0	0	0	0	0	1,260,327									
6/30/2003	0	0	0	0	0	0	0	0	1,260,327	0	0	0	0	0	0	0	0	0
7/1/2003	0	0	0	0	0	0	0	0	1,260,327									
7/2/2003	0	0	0	0	0	0	0	0	1,260,327									
7/3/2003	0	0	0	0	0	0	0	0	1,260,327									
7/4/2003	0	0	0	0	0	0	0	0	1,260,327									
7/5/2003	0	0	0	0	20,590	0	0	0	1,280,917									
7/6/2003	0	0	0	0	0	0	0	0	1,280,917									
7/7/2003	0	0	0	0	0	0	0	0	1,280,917									
7/8/2003	0	0	0	0	0	0	0	0	1,280,917									
7/9/2003	0	0	0	0	8,250	0	0	0	1,289,167									
7/10/2003	0	0	0	0	0	0	0	0	1,289,167									
7/11/2003	0	0	0	0	19,000	0	0	0	1,308,167									
7/12/2003	0	0	0	0	0	0	0	0	1,308,167									
7/13/2003	0	0	0	0	0	0	0	0	1,308,167									
7/14/2003	0	0	0	15,624	0	0	0	0	1,323,791									
7/15/2003	0	0	0	40,547	0	0	0	0	1,364,338									
7/16/2003	0	0	0	43,301	0	0	0	0	1,407,639									
7/17/2003	0	0	0	43,210	0	0	0	0	1,450,849									
7/18/2003	0	0	0	0	0	0	0	0	1,450,849									
7/19/2003	0	0	0	0	0	0	0	0	1,450,849									
7/20/2003	0	0	0	0	0	0	0	0	1,450,849									
7/21/2003	0	0	0	0	0	0	0	0	1,450,849									
7/22/2003	0	0	0	42,005	0	0	0	0	1,492,854									
7/23/2003	0	0	0	28,294	0	0	0	0	1,521,148									
7/24/2003	0	0	0	0	0	0	0	0	1,521,148									
7/25/2003	0	0	0	0	0	0	0	0	1,521,148									
7/26/2003	0	0	0	0	0	0	0	0	1,521,148									
7/27/2003	0	0	0	0	0	0	0	0	1,521,148									
7/28/2003	0	0	0	35,969	0	0	0	0	1,557,117									
7/29/2003	0	0	0	0	35,002	0	0	0	1,592,119									
7/30/2003	0	0	0	0	26,219	0	0	0	1,618,338									
7/31/2003	0	0	0	0	30,657	0	0	0	1,648,995	0	0	0	248,950	139,718	0	0	0	388,668

TABLE 7-2
LIQUID APPLICATION SUMMARY
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

	Liquid Applied by Trench (gallons)									Monthly Summary by Trench								
Date	1	2	3	4	5	6	7	8	Cumulative Total	1	2	3	4	5	6	7	8	Monthly Total
8/1/2003	0	0	0	0	0	0	0	0	1,648,995									
8/2/2003	0	0	0	0	0	0	0	0	1,648,995									
8/3/2003	0	0	0	0	0	0	0	0	1,648,995									
8/4/2003	0	0	0	0	0	0	0	0	1,648,995									
8/5/2003	0	0	0	0	24,637	0	0	0	1,673,632									
8/6/2003	0	0	0	0	31,231	0	0	0	1,704,863									
8/7/2003	0	0	0	0	33,520	0	0	0	1,738,383									
8/8/2003	0	0	0	0	0	0	0	0	1,738,383									
8/9/2003	0	0	0	0	0	0	0	0	1,738,383									
8/10/2003	0	0	0	0	0	0	0	0	1,738,383									
8/11/2003	0	0	0	0	0	0	0	0	1,738,383									
8/12/2003	0	0	0	0	0	0	0	0	1,738,383									
8/13/2003	0	0	0	0	0	0	0	0	1,738,383									
8/14/2003	0	0	0	0	0	0	0	0	1,738,383									
8/15/2003	0	0	0	0	22,643	0	0	0	1,761,026									
8/16/2003	0	0	0	0	0	0	0	0	1,761,026									
8/17/2003	0	0	0	0	0	0	0	0	1,761,026									
8/18/2003	0	0	0	0	0	0	0	0	1,761,026									
8/19/2003	0	0	0	0	0	0	0	0	1,761,026									
8/20/2003	0	0	0	0	0	0	0	0	1,761,026									
8/21/2003	0	0	0	0	0	0	0	0	1,761,026									
8/22/2003	0	0	0	0	0	0	0	0	1,761,026									
8/23/2003	0	0	0	0	0	0	0	0	1,761,026									
8/24/2003	0	0	0	0	0	0	0	0	1,761,026									
8/25/2003	0	0	0	0	0	0	0	0	1,761,026									
8/26/2003	0	0	0	0	0	0	0	0	1,761,026									
8/27/2003	0	0	0	0	0	0	0	0	1,761,026									
8/28/2003	0	0	0	0	0	0	0	0	1,761,026									
8/29/2003	0	0	0	0	0	0	0	0	1,761,026									
8/30/2003	0	0	0	0	0	0	0	0	1,761,026									
8/31/2003	0	0	0	0	0	0	0	0	1,761,026	0	0	0	0	112,031	0	0	0	112,031
9/1/2003	0	0	0	0	0	0	0	0	1,761,026									
9/2/2003	0	0	0	0	0	0	0	0	1,761,026									
9/3/2003	0	0	0	0	0	0	0	0	1,761,026									
9/4/2003	0	0	0	0	0	0	0	0	1,761,026									
9/5/2003	0	0	0	0	0	0	0	0	1,761,026									
9/6/2003	0	0	0	0	0	0	0	0	1,761,026									
9/7/2003	0	0	0	0	0	0	0	0	1,761,026									
9/8/2003	0	0	0	0	0	0	0	0	1,761,026									
9/9/2003	0	0	0	0	0	0	0	0	1,761,026									
9/10/2003	0	0	0	0	0	0	0	0	1,761,026									
9/11/2003	0	0	0	0	0	0	0	0	1,761,026									
9/12/2003	0	0	0	0	0	0	0	0	1,761,026									
9/13/2003	0	0	0	0	0	0	0	0	1,761,026									
9/14/2003	0	0	0	0	0	0	0	0	1,761,026									
9/15/2003	0	0	0	0	0	0	0	0	1,761,026									
9/16/2003	0	0	0	0	38,501	0	0	0	1,799,527									
9/17/2003	0	0	0	0	42,003	0	0	0	1,841,530									
9/18/2003	0	0	0	35,919	0	0	0	0	1,877,449									
9/19/2003	0	0	0	0	0	0	0	0	1,877,449									
9/20/2003	0	0	0	0	0	0	0	0	1,877,449									
9/21/2003	0	0	0	0	0	0	0	0	1,877,449									
9/22/2003	0	0	0	0	0	0	0	0	1,877,449									
9/23/2003	0	0	0	50,719	0	0	0	0	1,928,168									
9/24/2003	0	0	0	0	0	0	0	0	1,928,168									
9/25/2003	0	0	0	0	0	0	0	0	1,928,168									
9/26/2003	0	0	22,608	0	0	0	0	0	1,950,776									
9/27/2003	0	0	0	0	0	0	0	0	1,950,776									
9/28/2003	0	0	0	0	0	0	0	0	1,950,776									
9/29/2003	0	0	0	0	0	0	0	0	1,950,776									
9/30/2003	0	15,802	0	31,065	0	0	0	0	1,997,643	0	15,802	22,608	117,703	80,504	0	0	0	236,617
10/1/2003	0	0	0	0	0	0	0	0	1,997,643									
10/2/2003	0	0	0	0	0	0	0	0	1,997,643									
10/3/2003	24,607	0	0	0	0	0	0	0	2,022,250									
10/4/2003	0	0	0	0	0	0	0	0	2,022,250									
10/5/2003	0	0	0	0	0	0	0	0	2,022,250									
10/6/2003	0	0	0	0	0	0	0	0	2,022,250									
10/7/2003	0	0	0	0	0	0	0	0	2,022,250									
10/8/2003	0	0	0	0	0	0	0	0	2,022,250									
10/9/2003	0	0	0	0	0	0	0	0	2,022,250									
10/10/2003	0	0	0	0	0	0	0	0	2,022,250									
10/11/2003	0	0	0	0	0	0	0	0	2,022,250									
10/12/2003	0	0	0	0	0	0	0	0	2,022,250									
10/13/2003	0	0	0	0	0	0	0	0	2,022,250									
10/14/2003	0	0	0	0	0	0	0	0	2,022,250									
10/15/2003	0	0	0	0	0	0	0	0	2,022,250									
10/16/2003	0	0	0	0	0	0	0	0	2,022,250									
10/17/2003	0	0	0	0	0	0	0	0	2,022,250									
10/18/2003	0	0	0	0	0	0	0	0	2,022,250									
10/19/2003	0	0	0	0	0	0	0	0	2,022,250									
10/20/2003	0	0	0	0	0	0	0	0	2,022,250									
10/21/2003	0	0	0	0	0	0	0	0	2,022,250									
10/22/2003	0	0	0	0	0	0	0	0	2,022,250									
10/23/2003	0	0	0	0	0	0	0	0	2,022,250									
10/24/2003	0	0	0	0	0	0	0	0	2,022,250									
10/25/2003	0	0	0	0	0	0	0	0	2,022,250									
10/26/2003	0	0	0	0	0	0	0	0	2,022,250									
10/27/2003	0	0	0	0	0	0	0	0	2,022,250									
10/28/2003	0	0	0	0	0	0	0	0	2,022,250									
10/29/2003	0	0	0	0	0	0	0	0	2,022,250									
10/30/2003	0	0	0	0	0	0	0	0	2,022,250									
10/31/2003	0	0	0	0	0	0	0	0	2,022,250	24,607	0	0	0	0	0	0	0	24,607

TABLE 7-2
LIQUID APPLICATION SUMMARY
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

	Liquid Applied by Trench (gallons)									Monthly Summary by Trench								
Date	1	2	3	4	5	6	7	8	Cumulative Total	1	2	3	4	5	6	7	8	Monthly Total
11/1/2003	0	0	0	0	0	0	0	0	2,022,250									
11/2/2003	0	0	0	0	0	0	0	0	2,022,250									
11/3/2003	0	0	0	0	0	0	0	0	2,022,250									
11/4/2003	0	0	0	0	0	0	0	0	2,022,250									
11/5/2003	0	0	0	0	0	0	0	0	2,022,250									
11/6/2003	0	0	0	0	0	0	0	0	2,022,250									
11/7/2003	0	0	0	0	0	0	0	0	2,022,250									
11/8/2003	0	0	0	0	0	0	0	0	2,022,250									
11/9/2003	0	0	0	0	0	0	0	0	2,022,250									
11/10/2003	0	0	0	0	0	0	0	0	2,022,250									
11/11/2003	0	0	0	0	0	0	0	0	2,022,250									
11/12/2003	0	0	0	0	0	0	0	0	2,022,250									
11/13/2003	0	0	0	0	0	0	0	0	2,022,250									
11/14/2003	0	0	0	0	0	0	0	0	2,022,250									
11/15/2003	0	0	0	0	0	0	0	0	2,022,250									
11/16/2003	0	0	0	0	0	0	0	0	2,022,250									
11/17/2003	0	0	0	0	0	0	0	0	2,022,250									
11/18/2003	0	0	0	0	0	0	0	0	2,022,250									
11/19/2003	0	0	0	0	0	0	0	0	2,022,250									
11/20/2003	0	0	0	0	0	0	0	0	2,022,250									
11/21/2003	0	0	0	0	0	0	0	0	2,022,250									
11/22/2003	0	0	0	0	0	0	0	0	2,022,250									
11/23/2003	0	0	0	0	0	0	0	0	2,022,250									
11/24/2003	0	0	0	0	0	0	0	0	2,022,250									
11/25/2003	0	0	0	0	29,129	0	0	0	2,051,379									
11/26/2003	0	0	0	35,743	0	0	0	0	2,087,122									
11/27/2003	0	0	0	0	0	0	0	0	2,087,122									
11/28/2003	0	0	0	0	0	0	0	0	2,087,122									
11/29/2003	0	0	0	0	0	0	0	0	2,087,122									
11/30/2003	0	0	0	0	0	0	0	0	2,087,122	0	0	0	35,743	29,129	0	0	0	64,872
12/1/2003	0	0	0	0	0	0	0	0	2,087,122									
12/2/2003	0	0	0	0	0	0	0	0	2,087,122									
12/3/2003	0	0	0	0	0	0	0	0	2,087,122									
12/4/2003	0	0	0	0	0	0	0	0	2,087,122									
12/5/2003	0	0	0	0	0	0	0	0	2,087,122									
12/6/2003	0	0	0	0	0	0	0	0	2,087,122									
12/7/2003	0	0	0	0	0	0	0	0	2,087,122									
12/8/2003	0	0	0	0	0	0	0	0	2,087,122									
12/9/2003	0	0	0	33,959	0	0	0	0	2,121,081									
12/10/2003	0	0	0	0	38,624	0	0	0	2,159,705									
12/11/2003	0	0	0	0	43,783	0	0	0	2,203,488									
12/12/2003	0	0	0	0	28,066	0	0	0	2,231,554									
12/13/2003	0	0	0	0	0	0	0	0	2,231,554									
12/14/2003	0	0	0	0	0	0	0	0	2,231,554									
12/15/2003	0	0	0	0	0	0	0	0	2,231,554									
12/16/2003	0	0	0	0	0	0	0	0	2,231,554									
12/17/2003	0	0	0	0	53,913	0	0	0	2,285,467									
12/18/2003	0	0	0	0	41,915	0	0	0	2,327,382									
12/19/2003	0	0	0	40,002	0	0	0	0	2,367,384									
12/20/2003	0	0	0	0	0	0	0	0	2,367,384									
12/21/2003	0	0	0	0	0	0	0	0	2,367,384									
12/22/2003	0	0	0	0	0	0	0	0	2,367,384									
12/23/2003	0	0	0	29,617	0	0	0	0	2,397,001									
12/24/2003	0	0	0	0	0	0	0	0	2,397,001									
12/25/2003	0	0	0	0	0	0	0	0	2,397,001									
12/26/2003	0	0	0	37,199	0	0	0	0	2,434,200									
12/27/2003	0	0	0	0	0	0	0	0	2,434,200									
12/28/2003	0	0	0	0	0	0	0	0	2,434,200									
12/29/2003	0	0	0	0	0	0	0	0	2,434,200									
12/30/2003	0	0	0	0	0	0	0	0	2,434,200									
12/31/2003	0	0	0	0	31,999	0	0	0	2,466,199	0	0	0	140,777	238,300	0	0	0	379,077
1/1/2004	0	0	0	0	0	0	0	0	2,466,199									
1/2/2004	0	0	0	0	20,000	0	0	0	2,486,199									
1/3/2004	0	0	0	0	0	0	0	0	2,486,199									
1/4/2004	0	0	0	0	0	0	0	0	2,486,199									
1/5/2004	0	0	0	0	34,000	0	0	0	2,520,199									
1/6/2004	0	0	0	45,709	0	0	0	0	2,565,908									
1/7/2004	0	0	0	0	0	0	0	0	2,565,908									
1/8/2004	0	0	0	0	0	0	0	0	2,565,908									
1/9/2004	0	0	0	0	0	0	0	0	2,565,908									
1/10/2004	0	0	0	0	0	0	0	0	2,565,908									
1/11/2004	0	0	0	0	0	0	0	0	2,565,908									
1/12/2004	0	0	0	0	0	0	0	0	2,565,908									
1/13/2004	0	0	0	0	47,821	0	0	0	2,613,729									
1/14/2004	0	0	0	0	43,250	0	0	0	2,656,979									
1/15/2004	0	0	0	20,568	22,439	0	0	0	2,699,986									
1/16/2004	0	0	0	41,284	0	0	0	0	2,741,270									
1/17/2004	0	0	0	0	0	0	0	0	2,741,270									
1/18/2004	0	0	0	0	0	0	0	0	2,741,270									
1/19/2004	0	0	0	29,372	12,140	0	0	0	2,782,782									
1/20/2004	0	0	0	27,218	0	0	0	0	2,810,000									
1/21/2004	0	0	0	0	37,001	0	0	0	2,847,001									
1/22/2004	8,014	0	0	0	28,350	0	0	0	2,883,365									
1/23/2004	27,243	0	12,933	0	0	0	0	0	2,923,541									
1/24/2004	0	0	0	0	0	0	0	0	2,923,541									
1/25/2004	0	0	0	0	0	0	0	0	2,923,541									
1/26/2004	0	0	0	0	0	0	0	0	2,923,541									
1/27/2004	0	0	0	0	0	0	0	0	2,923,541									
1/28/2004	0	0	0	0	0	0	0	0	2,923,541									
1/29/2004	0	0	0	0	0	0	0	0	2,923,541									
1/30/2004	0	0	0	0	0	0	0	0	2,923,541									
1/31/2004	0	0	0	0	0	0	0	0	2,923,541	35,257	0	12,933	164,151	245,001	0	0	0	457,342

TABLE 7-2
LIQUID APPLICATION SUMMARY
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

	Liquid Applied by Trench (gallons)									Monthly Summary by Trench								
Date	1	2	3	4	5	6	7	8	Cumulative Total	1	2	3	4	5	6	7	8	Monthly Total
2/1/2004	0	0	0	0	0	0	0	0	2,923,541									
2/2/2004	0	0	0	0	0	0	0	0	2,923,541									
2/3/2004	0	0	0	0	0	0	0	0	2,923,541									
2/4/2004	0	10,356	13,420	0	0	0	0	0	2,947,317									
2/5/2004	10,204	8,865	5,043	0	17,336	0	0	0	2,988,765									
2/6/2004	37,159	0	0	0	0	0	0	0	3,025,924									
2/7/2004	0	0	0	0	0	0	0	0	3,025,924									
2/8/2004	0	0	0	0	0	0	0	0	3,025,924									
2/9/2004	0	0	0	0	0	0	0	0	3,025,924									
2/10/2004	0	0	0	0	31,109	0	0	0	3,057,033									
2/11/2004	0	0	0	12,001	23,871	0	0	0	3,092,905									
2/12/2004	0	0	0	15,300	0	0	0	0	3,108,205									
2/13/2004	0	0	0	0	0	0	0	0	3,108,205									
2/14/2004	0	0	0	0	0	0	0	0	3,108,205									
2/15/2004	0	0	0	0	0	0	0	0	3,108,205									
2/16/2004	0	0	0	0	0	0	0	0	3,108,205									
2/17/2004	0	0	0	14,847	35,293	0	0	0	3,158,345									
2/18/2004	12,955	0	0	0	26,540	0	0	0	3,197,840									
2/19/2004	9,281	15,197	12,000	0	0	0	0	0	3,234,318									
2/20/2004	0	0	7,760	0	22,505	0	0	0	3,264,583									
2/21/2004	0	0	0	0	0	0	0	0	3,264,583									
2/22/2004	0	0	0	0	0	0	0	0	3,264,583									
2/23/2004	0	0	0	0	32,948	0	0	0	3,297,531									
2/24/2004	0	0	0	0	12,351	0	0	0	3,309,882									
2/25/2004	0	0	0	0	0	0	0	0	3,309,882									
2/26/2004	0	0	0	18,215	0	0	0	0	3,328,097									
2/27/2004	0	0	0	0	0	0	0	0	3,328,097									
2/28/2004	0	0	0	0	0	0	0	0	3,328,097									
2/29/2004	0	0	0	0	0	0	0	0	3,328,097	69,599	34,418	38,223	60,363	201,953	0	0	0	404,556
3/1/2004	0	0	0	0	32,531	0	0	0	3,360,628									
3/2/2004	0	0	0	0	0	0	0	0	3,360,628									
3/3/2004	0	0	0	0	0	0	0	0	3,360,628									
3/4/2004	0	0	0	0	0	0	0	0	3,360,628									
3/5/2004	0	0	0	0	0	0	0	0	3,360,628									
3/6/2004	0	0	0	0	0	0	0	0	3,360,628									
3/7/2004	0	0	0	0	0	0	0	0	3,360,628									
3/8/2004	0	0	0	0	0	0	0	0	3,360,628									
3/9/2004	0	0	0	0	24,229	0	0	0	3,384,857									
3/10/2004	0	0	0	0	0	0	0	0	3,384,857									
3/11/2004	0	0	0	0	0	0	0	0	3,384,857									
3/12/2004	0	0	0	0	0	0	0	0	3,384,857									
3/13/2004	0	0	0	0	0	0	0	0	3,384,857									
3/14/2004	0	0	0	0	0	0	0	0	3,384,857									
3/15/2004	0	0	0	0	0	0	0	0	3,384,857									
3/16/2004	0	0	0	0	0	0	0	0	3,384,857									
3/17/2004	0	0	0	0	0	0	0	0	3,384,857									
3/18/2004	0	0	0	0	0	0	0	0	3,384,857									
3/19/2004	0	0	0	0	27,260	0	0	0	3,412,117									
3/20/2004	0	0	0	0	0	0	0	0	3,412,117									
3/21/2004	0	0	0	0	0	0	0	0	3,412,117									
3/22/2004	0	0	0	0	0	0	0	0	3,412,117									
3/23/2004	0	0	0	0	0	0	0	0	3,412,117									
3/24/2004	0	0	0	0	37,018	0	0	0	3,449,135									
3/25/2004	0	0	0	0	0	0	0	0	3,449,135									
3/26/2004	0	0	0	0	0	0	0	0	3,449,135									
3/27/2004	0	0	0	0	0	0	0	0	3,449,135									
3/28/2004	0	0	0	0	0	0	0	0	3,449,135									
3/29/2004	0	0	0	0	0	0	0	0	3,449,135									
3/30/2004	0	0	0	0	0	0	0	0	3,449,135									
3/31/2004	0	0	0	0	36,367	0	0	0	3,485,502	0	0	0	0	157,405	0	0	0	157,405
4/1/2004	0	0	0	20,002	0	0	0	0	3,505,504									
4/2/2004	0	0	0	0	0	0	0	0	3,505,504									
4/3/2004	0	0	0	0	0	0	0	0	3,505,504									
4/4/2004	0	0	0	0	0	0	0	0	3,505,504									
4/5/2004	0	0	0	0	0	0	0	0	3,505,504									
4/6/2004	0	0	0	0	0	0	0	0	3,505,504									
4/7/2004	0	0	0	16,256	0	0	0	0	3,521,760									
4/8/2004	0	0	0	0	36,434	0	0	0	3,558,194									
4/9/2004	0	0	0	0	0	0	0	0	3,558,194									
4/10/2004	0	0	0	0	0	0	0	0	3,558,194									
4/11/2004	0	0	0	0	0	0	0	0	3,558,194									
4/12/2004	0	0	0	0	0	0	0	0	3,558,194									
4/13/2004	0	0	0	0	15,004	0	0	0	3,573,198									
4/14/2004	0	0	0	0	0	0	0	0	3,573,198									
4/15/2004	0	0	0	0	0	0	0	0	3,573,198									
4/16/2004	0	0	0	0	0	0	0	0	3,573,198									
4/17/2004	0	0	0	0	0	0	0	0	3,573,198									
4/18/2004	0	0	0	0	0	0	0	0	3,573,198									
4/19/2004	0	0	0	0	36,209	0	0	0	3,609,407									
4/20/2004	0	0	0	0	0	0	0	0	3,609,407									
4/21/2004	0	0	0	0	0	0	0	0	3,609,407									
4/22/2004	0	0	0	0	0	0	0	0	3,609,407									
4/23/2004	0	0	0	13,477	22,465	0	0	0	3,645,349									
4/24/2004	0	0	0	0	0	0	0	0	3,645,349									
4/25/2004	0	0	0	0	0	0	0	0	3,645,349									
4/26/2004	0	0	0	0	0	0	0	0	3,645,349									
4/27/2004	23,745	0	0	13,624	0	0	0	0	3,682,718									
4/28/2004	0	0	0	0	0	0	0	0	3,682,718									
4/29/2004	0	0	0	0	0	0	0	0	3,682,718									
4/30/2004	0	0	0	0	0	0	0	0	3,682,718	23,745	0	0	63,359	110,112	0	0	0	197,216

TABLE 7-2
LIQUID APPLICATION SUMMARY
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

	Liquid Applied by Trench (gallons)									Monthly Summary by Trench								
Date	1	2	3	4	5	6	7	8	Cumulative Total	1	2	3	4	5	6	7	8	Monthly Total
5/1/2004	0	0	0	0	0	0	0	0	3,682,718									
5/2/2004	0	0	0	0	0	0	0	0	3,682,718									
5/3/2004	0	0	0	0	0	0	0	0	3,682,718									
5/4/2004	0	0	0	0	40,101	0	0	0	3,722,819									
5/5/2004	0	0	0	0	44,764	0	0	0	3,767,583									
5/6/2004	0	0	0	0	0	0	0	0	3,767,583									
5/7/2004	0	0	0	0	0	0	0	0	3,767,583									
5/8/2004	0	0	0	0	0	0	0	0	3,767,583									
5/9/2004	0	0	0	0	0	0	0	0	3,767,583									
5/10/2004	0	0	0	0	0	0	0	0	3,767,583									
5/11/2004	0	0	0	0	0	0	0	0	3,767,583									
5/12/2004	0	0	0	0	0	0	0	0	3,767,583									
5/13/2004	0	0	0	0	0	0	0	0	3,767,583									
5/14/2004	0	0	0	0	0	0	0	0	3,767,583									
5/15/2004	0	0	0	0	0	0	0	0	3,767,583									
5/16/2004	0	0	0	0	0	0	0	0	3,767,583									
5/17/2004	0	0	0	0	0	0	0	0	3,767,583									
5/18/2004	0	0	0	0	0	0	0	0	3,767,583									
5/19/2004	0	0	0	0	0	0	0	0	3,767,583									
5/20/2004	0	0	0	20,729	0	0	0	0	3,788,312									
5/21/2004	0	0	0	0	0	0	0	0	3,788,312									
5/22/2004	0	0	0	0	0	0	0	0	3,788,312									
5/23/2004	0	0	0	0	0	0	0	0	3,788,312									
5/24/2004	0	0	0	0	0	0	0	0	3,788,312									
5/25/2004	0	0	0	0	0	0	0	0	3,788,312									
5/26/2004	0	0	0	0	0	0	0	0	3,788,312									
5/27/2004	0	0	0	0	0	0	0	0	3,788,312									
5/28/2004	0	0	0	31,110	0	0	0	0	3,819,422									
5/29/2004	0	0	0	0	0	0	0	0	3,819,422									
5/30/2004	0	0	0	0	0	0	0	0	3,819,422									
5/31/2004	0	0	0	0	0	0	0	0	3,819,422	0	0	0	51,839	84,865	0	0	0	136,704
6/1/2004	0	0	0	0	0	0	0	0	3,819,422									
6/2/2004	0	0	0	19,257	0	0	0	0	3,838,679									
6/3/2004	22,970	19,276	0	0	0	0	0	0	3,880,925									
6/4/2004	0	0	0	0	0	0	0	0	3,880,925									
6/5/2004	0	0	0	0	0	0	0	0	3,880,925									
6/6/2004	0	0	0	0	0	0	0	0	3,880,925									
6/7/2004	0	0	0	0	0	0	0	0	3,880,925									
6/8/2004	0	0	0	0	0	0	0	0	3,880,925									
6/9/2004	0	0	0	0	0	0	0	0	3,880,925									
6/10/2004	0	0	0	0	0	0	0	0	3,880,925									
6/11/2004	0	0	0	18,238	0	0	0	0	3,899,163									
6/12/2004	0	0	0	0	0	0	0	0	3,899,163									
6/13/2004	0	0	0	0	0	0	0	0	3,899,163									
6/14/2004	0	0	0	0	0	0	0	0	3,899,163									
6/15/2004	0	0	0	0	0	0	0	0	3,899,163									
6/16/2004	0	0	0	12,909	0	0	0	0	3,912,072									
6/17/2004	0	0	0	0	35,362	0	0	0	3,947,434									
6/18/2004	0	0	0	0	35,498	0	0	0	3,982,932									
6/19/2004	0	0	0	0	0	0	0	0	3,982,932									
6/20/2004	0	0	0	0	0	0	0	0	3,982,932									
6/21/2004	0	0	0	0	0	0	0	0	3,982,932									
6/22/2004	0	0	0	0	0	0	0	0	3,982,932									
6/23/2004	0	0	0	0	0	0	0	0	3,982,932									
6/24/2004	0	0	0	0	0	0	0	0	3,982,932									
6/25/2004	0	0	0	0	0	0	0	0	3,982,932									
6/26/2004	0	0	0	0	0	0	0	0	3,982,932									
6/27/2004	0	0	0	0	0	0	0	0	3,982,932									
6/28/2004	0	0	0	0	0	0	0	0	3,982,932									
6/29/2004	0	0	0	0	46,247	0	0	0	4,029,179									
6/30/2004	13,280	0	18,502	0	15,529	0	0	0	4,076,490	36,250	19,276	18,502	50,404	132,636	0	0	0	257,068
7/1/2004	0	10,107	0	13,518	0	0	0	0	4,100,115									
7/2/2004	0	0	0	0	0	0	0	0	4,100,115									
7/3/2004	0	0	0	0	0	0	0	0	4,100,115									
7/4/2004	0	0	0	0	0	0	0	0	4,100,115									
7/5/2004	0	0	0	0	0	0	0	0	4,100,115									
7/6/2004	8,218	0	0	16,003	0	0	0	0	4,124,336									
7/7/2004	0	0	0	0	24,818	0	0	0	4,149,154									
7/8/2004	0	0	0	0	0	0	0	0	4,149,154									
7/9/2004	0	0	0	0	0	0	0	0	4,149,154									
7/10/2004	0	0	0	0	0	0	0	0	4,149,154									
7/11/2004	0	0	0	0	0	0	0	0	4,149,154									
7/12/2004	0	0	0	0	0	0	0	0	4,149,154									
7/13/2004	0	0	0	0	0	0	0	0	4,149,154									
7/14/2004	0	0	0	0	45,248	0	0	0	4,194,402									
7/15/2004	12,226	6,530	10,210	15,286	0	0	0	0	4,238,654									
7/16/2004	0	0	0	5,169	0	0	0	0	4,243,823									
7/17/2004	0	0	0	0	27,163	0	0	0	4,270,986									
7/18/2004	0	0	0	0	0	0	0	0	4,270,986									
7/19/2004	7,000	0	0	0	19,442	0	0	0	4,297,428									
7/20/2004	0	0	0	0	5,495	0	0	0	4,302,923									
7/21/2004	0	0	0	0	19,842	0	0	0	4,322,765									
7/22/2004	7,005	0	0	0	15,063	0	0	0	4,344,833									
7/23/2004	0	0	0	0	19,018	0	0	0	4,363,851									
7/24/2004	0	0	0	0	0	0	0	0	4,363,851									
7/25/2004	0	0	0	0	0	0	0	0	4,363,851									
7/26/2004	0	0	0	0	0	0	0	0	4,363,851									
7/27/2004	0	0	0	0	0	0	0	0	4,363,851									
7/28/2004	0	0	0	0	22,003	0	0	0	4,385,854									
7/29/2004	0	0	0	0	0	0	0	0	4,385,854									
7/30/2004	0	0	0	0	0	0	0	0	4,385,854									
7/31/2004	0	0	0	0	0	0	0	0	4,385,854	34,449	16,637	10,210	49,976	198,092	0	0	0	309,364

TABLE 7-2
LIQUID APPLICATION SUMMARY
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

	Liquid Applied by Trench (gallons)									Monthly Summary by Trench								
Date	1	2	3	4	5	6	7	8	Cumulative Total	1	2	3	4	5	6	7	8	Monthly Total
8/1/2004	0	0	0	0	0	0	0	0	4,385,854									
8/2/2004	0	0	0	0	0	0	0	0	4,385,854									
8/3/2004	0	0	0	14,743	0	0	0	0	4,400,597									
8/4/2004	0	0	0	0	0	0	0	0	4,400,597									
8/5/2004	0	0	0	0	30,770	0	0	0	4,431,367									
8/6/2004	0	0	0	0	0	0	0	0	4,431,367									
8/7/2004	0	0	0	0	0	0	0	0	4,431,367									
8/8/2004	0	0	0	0	0	0	0	0	4,431,367									
8/9/2004	0	0	0	0	0	0	0	0	4,431,367									
8/10/2004	0	0	0	0	0	0	0	0	4,431,367									
8/11/2004	13,401	9,417	6,177	15,905	0	0	0	0	4,476,267									
8/12/2004	3,118	0	8,761	4,400	18,346	0	0	0	4,510,892									
8/13/2004	0	0	0	0	0	0	0	0	4,510,892									
8/14/2004	0	0	0	0	0	0	0	0	4,510,892									
8/15/2004	0	0	0	0	0	0	0	0	4,510,892									
8/16/2004	0	0	0	0	0	0	0	0	4,510,892									
8/17/2004	0	0	0	0	21,319	0	0	0	4,532,211									
8/18/2004	0	0	0	0	0	0	0	0	4,532,211									
8/19/2004	0	0	0	0	0	0	0	0	4,532,211									
8/20/2004	0	0	0	0	0	0	0	0	4,532,211									
8/21/2004	0	0	0	0	0	0	0	0	4,532,211									
8/22/2004	0	0	0	0	0	0	0	0	4,532,211									
8/23/2004	0	0	0	0	0	0	0	0	4,532,211									
8/24/2004	0	0	0	0	0	0	0	0	4,532,211									
8/25/2004	0	0	0	0	33,646	0	0	0	4,565,857									
8/26/2004	0	0	0	0	0	0	0	0	4,565,857									
8/27/2004	0	0	0	0	0	0	0	0	4,565,857									
8/28/2004	0	0	0	0	0	0	0	0	4,565,857									
8/29/2004	0	0	0	0	0	0	0	0	4,565,857									
8/30/2004	0	0	0	0	0	0	0	0	4,565,857									
8/31/2004	0	0	0	0	0	0	0	0	4,565,857	16,519	9,417	14,938	35,048	104,081	0	0	0	180,003
9/1/2004	0	0	0	0	0	0	0	0	4,565,857									
9/2/2004	0	0	0	0	0	0	0	0	4,565,857									
9/3/2004	0	0	0	0	0	0	0	0	4,565,857									
9/4/2004	0	0	0	0	0	0	0	0	4,565,857									
9/5/2004	0	0	0	0	0	0	0	0	4,565,857									
9/6/2004	0	0	0	0	0	0	0	0	4,565,857									
9/7/2004	0	0	0	0	0	0	0	0	4,565,857									
9/8/2004	0	0	0	0	0	0	0	0	4,565,857									
9/9/2004	0	0	0	0	0	0	0	0	4,565,857									
9/10/2004	0	0	0	0	0	0	0	0	4,565,857									
9/11/2004	0	0	0	0	0	0	0	0	4,565,857									
9/12/2004	0	0	0	0	0	0	0	0	4,565,857									
9/13/2004	0	0	0	0	0	0	0	0	4,565,857									
9/14/2004	0	0	0	0	44,311	0	0	0	4,610,168									
9/15/2004	0	0	0	0	0	0	0	0	4,610,168									
9/16/2004	15,997	0	0	0	25,462	0	0	0	4,651,627									
9/17/2004	3,920	6,860	0	0	0	0	0	0	4,662,407									
9/18/2004	0	0	0	0	0	0	0	0	4,662,407									
9/19/2004	0	0	0	0	0	0	0	0	4,662,407									
9/20/2004	0	0	0	0	0	0	0	0	4,662,407									
9/21/2004	0	0	0	0	0	0	0	0	4,662,407									
9/22/2004	0	0	0	12,875	29,049	0	0	0	4,704,331									
9/23/2004	0	0	0	0	0	0	0	0	4,704,331									
9/24/2004	0	0	0	0	0	0	0	0	4,704,331									
9/25/2004	0	0	0	0	0	0	0	0	4,704,331									
9/26/2004	0	0	0	0	0	0	0	0	4,704,331									
9/27/2004	0	0	0	0	0	0	0	0	4,704,331									
9/28/2004	0	0	0	0	0	0	0	0	4,704,331									
9/29/2004	0	0	0	0	46,053	0	0	0	4,750,384									
9/30/2004	9,596	5,608	8,523	13,310	0	0	0	0	4,787,421	29,513	12,468	8,523	26,185	144,875	0	0	0	221,564
10/1/2004	0	0	0	0	0	0	0	0	4,787,421									
10/2/2004	0	0	0	0	0	0	0	0	4,787,421									
10/3/2004	0	0	0	0	0	0	0	0	4,787,421									
10/4/2004	0	0	0	0	0	0	0	0	4,787,421									
10/5/2004	0	0	0	8,555	26,335	0	0	0	4,822,311									
10/6/2004	0	0	0	0	0	0	0	0	4,822,311									
10/7/2004	0	0	0	0	0	0	0	0	4,822,311									
10/8/2004	0	0	0	0	0	0	0	0	4,822,311									
10/9/2004	0	0	0	0	0	0	0	0	4,822,311									
10/10/2004	0	0	0	0	0	0	0	0	4,822,311									
10/11/2004	0	0	0	0	0	0	0	0	4,822,311									
10/12/2004	0	0	0	0	0	0	0	0	4,822,311									
10/13/2004	0	0	0	0	35,738	0	0	0	4,858,049									
10/14/2004	7,770	0	0	14,328	14,621	0	0	0	4,894,768									
10/15/2004	0	0	0	0	0	0	0	0	4,894,768									
10/16/2004	0	0	0	0	0	0	0	0	4,894,768									
10/17/2004	0	0	0	0	0	0	0	0	4,894,768									
10/18/2004	0	0	0	0	0	0	0	0	4,894,768									
10/19/2004	0	0	0	0	0	0	0	0	4,894,768									
10/20/2004	0	0	0	14,242	25,444	0	0	0	4,934,454									
10/21/2004	0	0	0	0	14,852	0	0	0	4,949,306									
10/22/2004	0	0	0	0	0	0	0	0	4,949,306									
10/23/2004	0	0	0	0	0	0	0	0	4,949,306									
10/24/2004	0	0	0	0	0	0	0	0	4,949,306									
10/25/2004	0	0	0	0	0	0	0	0	4,949,306									
10/26/2004	12,005	0	0	0	0	0	0	0	4,961,311									
10/27/2004	0	0	0	0	11,541	0	0	0	4,972,852									
10/28/2004	0	0	0	0	0	0	0	0	4,972,852									
10/29/2004	0	0	0	0	0	0	0	0	4,972,852									
10/30/2004	0	0	0	0	0	0	0	0	4,972,852									
10/31/2004	0	0	0	0	0	0	0	0	4,972,852	19,775	0	0	37,125	128,531	0	0	0	185,431

TABLE 7-2
LIQUID APPLICATION SUMMARY
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

	Liquid Applied by Trench (gallons)									Monthly Summary by Trench								
Date	1	2	3	4	5	6	7	8	Cumulative Total	1	2	3	4	5	6	7	8	Monthly Total
11/1/2004	0	0	0	0	0	0	0	0	4,972,852									
11/2/2004	0	0	0	0	0	0	0	0	4,972,852									
11/3/2004	0	0	0	0	37,776	0	0	0	5,010,628									
11/4/2004	11,249	0	0	14,386	12,349	0	0	0	5,048,612									
11/5/2004	0	0	0	0	0	0	0	0	5,048,612									
11/6/2004	0	0	0	0	0	0	0	0	5,048,612									
11/7/2004	0	0	0	0	0	0	0	0	5,048,612									
11/8/2004	0	0	0	0	0	0	0	0	5,048,612									
11/9/2004	0	0	0	13,639	26,287	0	0	0	5,088,538									
11/10/2004	0	0	0	0	0	0	0	0	5,088,538									
11/11/2004	0	0	0	0	11,557	0	0	0	5,100,095									
11/12/2004	0	0	0	0	0	0	0	0	5,100,095									
11/13/2004	0	0	0	0	0	0	0	0	5,100,095									
11/14/2004	0	0	0	0	0	0	0	0	5,100,095									
11/15/2004	0	0	0	0	0	0	0	0	5,100,095									
11/16/2004	0	0	0	0	0	0	0	0	5,100,095									
11/17/2004	10,003	5,416	11,639	0	0	0	0	0	5,127,153									
11/18/2004	0	0	0	0	0	0	0	0	5,127,153									
11/19/2004	0	0	0	0	0	0	0	0	5,127,153									
11/20/2004	0	0	0	0	0	0	0	0	5,127,153									
11/21/2004	0	0	0	0	0	0	0	0	5,127,153									
11/22/2004	0	0	0	0	0	0	0	0	5,127,153									
11/23/2004	0	0	0	0	0	0	0	0	5,127,153									
11/24/2004	0	0	0	0	0	0	0	0	5,127,153									
11/25/2004	0	0	0	0	0	0	0	0	5,127,153									
11/26/2004	0	0	0	0	0	0	0	0	5,127,153									
11/27/2004	0	0	0	0	0	0	0	0	5,127,153									
11/28/2004	0	0	0	0	0	0	0	0	5,127,153									
11/29/2004	0	0	0	0	0	0	0	0	5,127,153									
11/30/2004	0	0	0	0	0	0	0	0	5,127,153	21,252	5,416	11,639	28,025	87,969	0	0	0	154,301
12/1/2004	0	0	0	0	0	0	0	0	5,127,153									
12/2/2004	0	0	0	0	0	0	0	0	5,127,153									
12/3/2004	0	0	0	0	42,818	0	0	0	5,169,971									
12/4/2004	0	0	0	0	0	0	0	0	5,169,971									
12/5/2004	0	0	0	0	0	0	0	0	5,169,971									
12/6/2004	0	0	0	0	0	0	0	0	5,169,971									
12/7/2004	0	0	0	0	31,225	0	0	0	5,201,196									
12/8/2004	11,910	0	10,127	16,213	0	0	0	0	5,239,446									
12/9/2004	4,352	5,648	3,971	4,525	16,007	0	0	0	5,273,949									
12/10/2004	0	0	0	0	0	0	0	0	5,273,949									
12/11/2004	0	0	0	0	0	0	0	0	5,273,949									
12/12/2004	0	0	0	0	0	0	0	0	5,273,949									
12/13/2004	0	0	0	0	0	0	0	0	5,273,949									
12/14/2004	0	0	0	0	32,777	0	0	0	5,306,726									
12/15/2004	0	0	0	0	0	0	0	0	5,306,726									
12/16/2004	0	0	0	0	0	0	0	0	5,306,726									
12/17/2004	0	0	0	0	0	0	0	0	5,306,726									
12/18/2004	0	0	0	0	0	0	0	0	5,306,726									
12/19/2004	0	0	0	0	0	0	0	0	5,306,726									
12/20/2004	0	0	0	0	0	0	0	0	5,306,726									
12/21/2004	0	0	0	0	0	0	0	0	5,306,726									
12/22/2004	0	0	0	0	0	0	0	0	5,306,726									
12/23/2004	0	0	0	0	0	0	0	0	5,306,726									
12/24/2004	0	0	0	0	0	0	0	0	5,306,726									
12/25/2004	0	0	0	0	0	0	0	0	5,306,726									
12/26/2004	0	0	0	0	0	0	0	0	5,306,726									
12/27/2004	0	0	0	0	0	0	0	0	5,306,726									
12/28/2004	0	0	0	0	0	0	0	0	5,306,726									
12/29/2004	0	0	0	0	0	0	0	0	5,306,726									
12/30/2004	0	0	0	0	0	0	0	0	5,306,726									
12/31/2004	0	0	0	0	0	0	0	0	5,306,726	16,262	5,648	14,098	20,738	122,827	0	0	0	179,573
1/1/2005	0	0	0	0	0	0	0	0	5,306,726									
1/2/2005	0	0	0	0	0	0	0	0	5,306,726									
1/3/2005	0	0	0	0	0	0	0	0	5,306,726									
1/4/2005	0	0	0	0	0	0	0	0	5,306,726									
1/5/2005	0	0	0	0	0	0	0	0	5,306,726									
1/6/2005	0	0	0	0	28,917	0	0	0	5,335,643									
1/7/2005	0	0	7,431	20,453	0	0	0	0	5,363,527									
1/8/2005	0	0	0	0	0	0	0	0	5,363,527									
1/9/2005	0	0	0	0	0	0	0	0	5,363,527									
1/10/2005	5,057	4,694	0	13,024	0	0	0	0	5,386,302									
1/11/2005	0	0	0	11,853	22,309	0	0	0	5,420,464									
1/12/2005	0	0	0	10,338	23,225	0	0	0	5,454,027									
1/13/2005	0	0	0	0	0	0	0	0	5,454,027									
1/14/2005	0	0	0	0	0	0	0	0	5,454,027									
1/15/2005	0	0	0	0	0	0	0	0	5,454,027									
1/16/2005	0	0	0	0	0	0	0	0	5,454,027									
1/17/2005	0	0	0	0	0	0	0	0	5,454,027									
1/18/2005	0	0	0	0	0	0	0	0	5,454,027									
1/19/2005	0	0	0	0	0	0	0	0	5,454,027									
1/20/2005	0	0	0	0	0	0	0	0	5,454,027									
1/21/2005	0	0	0	0	0	0	0	0	5,454,027									
1/22/2005	0	0	0	0	0	0	0	0	5,454,027									
1/23/2005	0	0	0	0	0	0	0	0	5,454,027									
1/24/2005	0	0	0	0	0	0	0	0	5,454,027									
1/25/2005	0	0	0	20,957	0	0	0	0	5,474,984									
1/26/2005	0	0	0	0	34,407	0	0	0	5,509,391									
1/27/2005	0	5,653	7,826	0	13,251	0	0	0	5,536,121									
1/28/2005	0	0	0	0	8,373	0	0	0	5,544,494									
1/29/2005	0	0	0	0	0	0	0	0	5,544,494									
1/30/2005	0	0	0	0	0	0	0	0	5,544,494									
1/31/2005	0	0	0	0	0	0	0	0	5,544,494	5,057	10,347	15,257	76,625	130,482	0	0	0	237,768

TABLE 7-2
LIQUID APPLICATION SUMMARY
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

	Liquid Applied by Trench (gallons)									Monthly Summary by Trench								
Date	1	2	3	4	5	6	7	8	Cumulative Total	1	2	3	4	5	6	7	8	Monthly Total
2/1/2005	0	0	0	0	0	0	0	0	5,544,494									
2/2/2005	0	0	0	0	0	0	0	0	5,544,494									
2/3/2005	0	0	0	0	0	0	0	0	5,544,494									
2/4/2005	0	0	0	0	0	0	0	0	5,544,494									
2/5/2005	0	0	0	0	0	0	0	0	5,544,494									
2/6/2005	0	0	0	0	0	0	0	0	5,544,494									
2/7/2005	0	0	0	0	0	0	0	0	5,544,494									
2/8/2005	0	0	0	0	37,025	0	0	0	5,581,519									
2/9/2005	5,768	0	0	18,242	0	0	0	0	5,605,529									
2/10/2005	0	2,916	3,563	3,814	0	0	0	0	5,615,822									
2/11/2005	0	0	0	0	22,968	0	0	0	5,638,790									
2/12/2005	0	0	0	0	0	0	0	0	5,638,790									
2/13/2005	0	0	0	0	0	0	0	0	5,638,790									
2/14/2005	0	0	0	10,398	17,303	0	0	0	5,666,491									
2/15/2005	0	0	0	0	0	0	0	0	5,666,491									
2/16/2005	0	0	0	5,156	21,365	0	0	0	5,693,012									
2/17/2005	0	0	0	0	0	0	0	0	5,693,012									
2/18/2005	5,525	0	3,574	0	12,238	0	0	0	5,714,349									
2/19/2005	0	0	0	0	0	0	0	0	5,714,349									
2/20/2005	0	0	0	0	0	0	0	0	5,714,349									
2/21/2005	0	0	0	0	18,210	0	0	0	5,732,559									
2/22/2005	0	0	0	0	0	0	0	0	5,732,559									
2/23/2005	0	0	0	10,385	10,928	0	0	0	5,753,872									
2/24/2005	0	0	0	0	13,029	0	0	0	5,766,901									
2/25/2005	0	0	0	0	4,439	0	0	0	5,771,340									
2/26/2005	0	0	0	0	0	0	0	0	5,771,340									
2/27/2005	0	0	0	0	0	0	0	0	5,771,340									
2/28/2005	0	0	0	0	0	0	0	0	5,771,340	11,293	2,916	7,137	47,995	157,505	0	0	0	226,846
3/1/2005	0	0	0	0	0	0	0	0	5,771,340									
3/2/2005	0	0	0	0	0	0	0	0	5,771,340									
3/3/2005	0	0	0	0	5,571	0	0	0	5,776,911									
3/4/2005	0	0	0	10,092	18,327	0	0	0	5,805,330									
3/5/2005	0	0	0	0	0	0	0	0	5,805,330									
3/6/2005	0	0	0	0	0	0	0	0	5,805,330									
3/7/2005	0	0	0	5,324	12,353	0	0	0	5,823,007									
3/8/2005	0	0	0	0	10,458	0	0	0	5,833,465									
3/9/2005	4,919	4,033	0	0	9,234	0	0	0	5,851,651									
3/10/2005	0	0	0	0	0	0	0	0	5,851,651									
3/11/2005	0	0	0	8,346	14,516	0	0	0	5,874,513									
3/12/2005	0	0	0	0	0	0	0	0	5,874,513									
3/13/2005	0	0	0	0	0	0	0	0	5,874,513									
3/14/2005	0	0	0	0	14,734	0	0	0	5,889,247									
3/15/2005	0	0	0	4,701	0	0	0	0	5,893,948									
3/16/2005	0	0	0	5,636	15,307	0	0	0	5,914,891									
3/17/2005	0	0	0	0	0	0	0	0	5,914,891									
3/18/2005	0	0	0	0	9,915	0	0	0	5,924,806									
3/19/2005	0	0	0	0	0	0	0	0	5,924,806									
3/20/2005	0	0	0	0	0	0	0	0	5,924,806									
3/21/2005	0	0	0	0	19,608	0	0	0	5,944,414									
3/22/2005	0	0	0	0	0	0	0	0	5,944,414									
3/23/2005	5,813	0	0	8,919	0	0	0	0	5,959,146									
3/24/2005	0	0	6,391	0	0	0	0	0	5,965,537									
3/25/2005	0	0	0	0	29,079	0	0	0	5,994,616									
3/26/2005	0	0	0	0	0	0	0	0	5,994,616									
3/27/2005	0	0	0	0	0	0	0	0	5,994,616									
3/28/2005	0	0	0	0	0	0	0	0	5,994,616									
3/29/2005	0	0	0	0	0	0	0	0	5,994,616									
3/30/2005	0	0	0	0	12,607	0	0	0	6,007,223									
3/31/2005	0	0	0	0	0	0	0	0	6,007,223	10,732	4,033	6,391	43,018	171,709	0	0	0	235,883
4/1/2005	0	0	0	0	0	0	0	0	6,007,223									
4/2/2005	0	0	0	0	0	0	0	0	6,007,223									
4/3/2005	0	0	0	0	0	0	0	0	6,007,223									
4/4/2005	0	0	0	0	0	0	0	0	6,007,223									
4/5/2005	0	0	0	0	17,233	0	0	0	6,024,456									
4/6/2005	0	0	0	0	11,462	0	0	0	6,035,918									
4/7/2005	0	0	0	0	0	0	0	0	6,035,918									
4/8/2005	0	0	0	0	14,595	0	0	0	6,050,513									
4/9/2005	0	0	0	0	0	0	0	0	6,050,513									
4/10/2005	0	0	0	0	0	0	0	0	6,050,513									
4/11/2005	0	0	0	13,187	22,045	0	0	0	6,085,745									
4/12/2005	0	0	0	0	0	0	0	0	6,085,745									
4/13/2005	5,426	0	0	0	0	0	0	0	6,091,171									
4/14/2005	0	0	0	0	17,608	0	0	0	6,108,779									
4/15/2005	0	0	0	0	8,959	0	0	0	6,117,738									
4/16/2005	0	0	0	0	0	0	0	0	6,117,738									
4/17/2005	0	0	0	0	0	0	0	0	6,117,738									
4/18/2005	0	0	0	0	0	0	0	0	6,117,738									
4/19/2005	0	0	0	0	15,413	0	0	0	6,133,151									
4/20/2005	0	4,475	0	0	0	0	0	0	6,137,626									
4/21/2005	0	0	0	0	0	0	0	0	6,137,626									
4/22/2005	0	0	0	9,048	25,284	0	0	0	6,171,958									
4/23/2005	0	0	0	0	0	0	0	0	6,171,958									
4/24/2005	0	0	0	0	0	0	0	0	6,171,958									
4/25/2005	0	0	0	0	0	0	0	0	6,171,958									
4/26/2005	0	0	0	0	0	0	0	0	6,171,958									
4/27/2005	0	0	0	0	0	0	0	0	6,171,958									
4/28/2005	0	0	0	0	0	0	0	0	6,171,958									
4/29/2005	0	0	0	0	0	0	0	0	6,171,958									
4/30/2005	0	0	0	0	23,470	0	0	0	6,195,428	5,426	4,475	0	22,235	156,069	0	0	0	188,205

TABLE 7-2
LIQUID APPLICATION SUMMARY
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

	Liquid Applied by Trench (gallons)									Monthly Summary by Trench								
Date	1	2	3	4	5	6	7	8	Cumulative Total	1	2	3	4	5	6	7	8	Monthly Total
5/1/2005	0	0	0	0	0	0	0	0	6,195,428									
5/2/2005	0	0	0	8,239	10,916	0	0	0	6,214,583									
5/3/2005	0	0	0	0	0	0	0	0	6,214,583									
5/4/2005	0	0	0	0	0	0	0	0	6,214,583									
5/5/2005	0	0	0	0	0	0	0	0	6,214,583									
5/6/2005	0	0	0	0	0	0	0	0	6,214,583									
5/7/2005	0	0	0	0	0	0	0	0	6,214,583									
5/8/2005	0	0	0	0	0	0	0	0	6,214,583									
5/9/2005	0	0	0	0	0	0	0	0	6,214,583									
5/10/2005	12,712	0	0	0	22,688	0	0	0	6,249,983									
5/11/2005	0	0	0	0	0	0	0	0	6,249,983									
5/12/2005	0	0	0	9,751	22,158	0	0	0	6,281,892									
5/13/2005	0	0	0	0	0	0	0	0	6,281,892									
5/14/2005	0	0	0	0	0	0	0	0	6,281,892									
5/15/2005	0	0	0	0	0	0	0	0	6,281,892									
5/16/2005	0	0	0	0	0	0	0	0	6,281,892									
5/17/2005	0	0	0	0	34,169	0	0	0	6,316,061									
5/18/2005	0	0	0	10,658	14,441	0	0	0	6,341,160									
5/19/2005	0	0	0	0	0	0	0	0	6,341,160									
5/20/2005	0	0	0	0	0	0	0	0	6,341,160									
5/21/2005	0	0	0	0	0	0	0	0	6,341,160									
5/22/2005	0	0	0	0	0	0	0	0	6,341,160									
5/23/2005	0	0	0	0	0	0	0	0	6,341,160									
5/24/2005	0	0	0	0	0	0	0	0	6,341,160									
5/25/2005	0	0	0	0	32,189	0	0	0	6,373,349									
5/26/2005	0	0	0	0	0	0	0	0	6,373,349									
5/27/2005	0	0	0	0	0	0	0	0	6,373,349									
5/28/2005	0	0	0	0	0	0	0	0	6,373,349									
5/29/2005	0	0	0	0	0	0	0	0	6,373,349									
5/30/2005	0	0	0	0	0	0	0	0	6,373,349									
5/31/2005	0	0	0	0	0	0	0	0	6,373,349	12,712	0	0	28,648	136,561	0	0	0	177,921
6/1/2005	0	0	0	0	38,295	0	0	0	6,411,644									
6/2/2005	0	0	0	0	0	0	0	0	6,411,644									
6/3/2005	0	0	0	0	0	0	0	0	6,411,644									
6/4/2005	0	0	0	0	0	0	0	0	6,411,644									
6/5/2005	0	0	0	0	0	0	0	0	6,411,644									
6/6/2005	0	0	0	0	0	0	0	0	6,411,644									
6/7/2005	0	0	0	0	0	0	0	0	6,411,644									
6/8/2005	0	0	0	0	28,247	0	0	0	6,439,891									
6/9/2005	0	0	0	0	0	0	0	0	6,439,891									
6/10/2005	0	0	0	0	0	0	0	0	6,439,891									
6/11/2005	0	0	0	0	0	0	0	0	6,439,891									
6/12/2005	0	0	0	0	0	0	0	0	6,439,891									
6/13/2005	0	0	0	0	0	0	0	0	6,439,891									
6/14/2005	0	0	0	0	0	0	0	0	6,439,891									
6/15/2005	0	0	0	0	31,954	0	0	0	6,471,845									
6/16/2005	0	0	0	0	0	0	0	0	6,471,845									
6/17/2005	0	0	0	0	0	0	0	0	6,471,845									
6/18/2005	0	0	0	0	0	0	0	0	6,471,845									
6/19/2005	0	0	0	0	0	0	0	0	6,471,845									
6/20/2005	0	0	0	0	27,138	0	0	0	6,498,983									
6/21/2005	0	0	0	0	0	0	0	0	6,498,983									
6/22/2005	0	0	0	0	0	0	0	0	6,498,983									
6/23/2005	0	0	0	0	0	0	0	0	6,498,983									
6/24/2005	0	0	0	0	0	0	0	0	6,498,983									
6/25/2005	0	0	0	0	0	0	0	0	6,498,983									
6/26/2005	0	0	0	0	0	0	0	0	6,498,983									
6/27/2005	0	0	0	0	0	0	0	0	6,498,983									
6/28/2005	0	0	0	0	0	0	0	0	6,498,983									
6/29/2005	0	0	0	0	30,020	0	0	0	6,529,003									
6/30/2005	0	0	0	0	0	0	0	0	6,529,003	0	0	0	0	155,654	0	0	0	155,654
7/1/2005	0	0	0	0	0	0	0	0	6,529,003									
7/2/2005	0	0	0	0	0	0	0	0	6,529,003									
7/3/2005	0	0	0	0	0	0	0	0	6,529,003									
7/4/2005	0	0	0	0	0	0	0	0	6,529,003									
7/5/2005	0	0	0	0	0	0	0	0	6,529,003									
7/6/2005	0	0	0	0	0	0	0	0	6,529,003									
7/7/2005	0	0	0	0	35,318	0	0	0	6,564,321									
7/8/2005	0	0	0	0	0	0	0	0	6,564,321									
7/9/2005	0	0	0	0	0	0	0	0	6,564,321									
7/10/2005	0	0	0	0	0	0	0	0	6,564,321									
7/11/2005	0	0	0	11,738	29,664	0	0	0	6,605,723									
7/12/2005	0	0	0	0	0	0	0	0	6,605,723									
7/13/2005	17,534	0	0	0	15,319	0	0	0	6,638,576									
7/14/2005	0	0	0	0	0	0	0	0	6,638,576									
7/15/2005	0	0	0	0	0	0	0	0	6,638,576									
7/16/2005	0	0	0	0	0	0	0	0	6,638,576									
7/17/2005	0	0	0	0	0	0	0	0	6,638,576									
7/18/2005	0	0	0	0	0	0	0	0	6,638,576									
7/19/2005	0	0	0	0	35,025	0	0	0	6,673,601									
7/20/2005	0	0	0	0	0	0	0	0	6,673,601									
7/21/2005	0	0	0	0	0	0	0	0	6,673,601									
7/22/2005	0	0	0	0	0	0	0	0	6,673,601									
7/23/2005	0	0	0	0	0	0	0	0	6,673,601									
7/24/2005	0	0	0	0	0	0	0	0	6,673,601									
7/25/2005	0	0	0	0	0	0	0	0	6,673,601									
7/26/2005	0	0	0	0	0	0	0	0	6,673,601									
7/27/2005	0	0	0	0	0	0	0	0	6,673,601									
7/28/2005	0	0	0	0	31,810	0	0	0	6,705,411									
7/29/2005	0	0	0	0	8,034	0	0	0	6,713,445									
7/30/2005	0	0	0	0	0	0	0	0	6,713,445									
7/31/2005	0	0	0	0	0	0	0	0	6,713,445	17,534	0	0	11,738	155,170	0	0	0	184,442

TABLE 7-2
LIQUID APPLICATION SUMMARY
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

	Liquid Applied by Trench (gallons)									Monthly Summary by Trench								
Date	1	2	3	4	5	6	7	8	Cumulative Total	1	2	3	4	5	6	7	8	Monthly Total
8/1/2005	0	0	0	0	19,068	0	0	0	6,732,513									
8/2/2005	0	0	0	0	21,412	0	0	0	6,753,925									
8/3/2005	0	0	0	0	0	0	0	0	6,753,925									
8/4/2005	0	0	0	0	0	0	0	0	6,753,925									
8/5/2005	0	0	0	0	23,878	0	0	0	6,777,803									
8/6/2005	0	0	0	0	0	0	0	0	6,777,803									
8/7/2005	0	0	0	0	0	0	0	0	6,777,803									
8/8/2005	0	0	0	0	0	0	0	0	6,777,803									
8/9/2005	0	0	0	0	0	0	0	0	6,777,803									
8/10/2005	0	0	0	0	0	0	0	0	6,777,803									
8/11/2005	0	0	0	0	40,535	0	0	0	6,818,338									
8/12/2005	0	0	0	0	0	0	0	0	6,818,338									
8/13/2005	0	0	0	0	0	0	0	0	6,818,338									
8/14/2005	0	0	0	0	0	0	0	0	6,818,338									
8/15/2005	0	0	0	0	0	0	0	0	6,818,338									
8/16/2005	0	0	0	0	0	0	0	0	6,818,338									
8/17/2005	0	0	0	0	0	0	0	0	6,818,338									
8/18/2005	0	0	0	0	49,164	0	0	0	6,867,502									
8/19/2005	0	0	0	0	47,034	0	0	0	6,914,536									
8/20/2005	0	0	0	0	0	0	0	0	6,914,536									
8/21/2005	0	0	0	0	0	0	0	0	6,914,536									
8/22/2005	0	0	0	0	0	0	0	0	6,914,536									
8/23/2005	0	0	0	0	44,861	0	0	0	6,959,397									
8/24/2005	15,568	0	0	0	0	0	0	0	6,974,965									
8/25/2005	0	0	0	0	22,759	0	0	0	6,997,724									
8/26/2005	0	0	0	0	0	0	0	0	6,997,724									
8/27/2005	0	0	0	0	0	0	0	0	6,997,724									
8/28/2005	0	0	0	0	0	0	0	0	6,997,724									
8/29/2005	0	0	0	0	0	0	0	0	6,997,724									
8/30/2005	0	0	0	0	25,169	0	0	0	7,022,893									
8/31/2005	0	0	0	0	0	0	0	0	7,022,893	15,568	0	0	0	293,880	0	0	0	309,448
9/1/2005	0	0	0	0	0	0	0	0	7,022,893									
9/2/2005	0	0	0	0	28,184	0	0	0	7,051,077									
9/3/2005	0	0	0	0	0	0	0	0	7,051,077									
9/4/2005	0	0	0	0	0	0	0	0	7,051,077									
9/5/2005	0	0	0	0	0	0	0	0	7,051,077									
9/6/2005	0	0	0	0	0	0	0	0	7,051,077									
9/7/2005	0	0	0	0	0	0	0	0	7,051,077									
9/8/2005	0	0	0	0	0	0	0	0	7,051,077									
9/9/2005	0	0	0	0	0	0	0	0	7,051,077									
9/10/2005	0	0	0	0	0	0	0	0	7,051,077									
9/11/2005	0	0	0	0	0	0	0	0	7,051,077									
9/12/2005	0	0	0	0	0	0	0	0	7,051,077									
9/13/2005	0	0	0	0	45,948	0	0	0	7,097,025									
9/14/2005	0	0	0	0	22,145	0	0	0	7,119,170									
9/15/2005	0	0	0	0	22,952	0	0	0	7,142,122									
9/16/2005	0	0	0	0	0	0	0	0	7,142,122									
9/17/2005	0	0	0	0	0	0	0	0	7,142,122									
9/18/2005	0	0	0	0	0	0	0	0	7,142,122									
9/19/2005	0	0	0	0	0	0	0	0	7,142,122									
9/20/2005	0	0	0	0	36,019	0	0	0	7,178,141									
9/21/2005	0	0	0	0	0	0	0	0	7,178,141									
9/22/2005	0	0	0	0	0	0	0	0	7,178,141									
9/23/2005	0	0	0	0	29,625	0	0	0	7,207,766									
9/24/2005	0	0	0	0	0	0	0	0	7,207,766									
9/25/2005	0	0	0	0	0	0	0	0	7,207,766									
9/26/2005	0	0	0	0	0	0	0	0	7,207,766									
9/27/2005	0	0	0	0	32,925	0	0	0	7,240,691									
9/28/2005	0	0	0	0	0	0	0	0	7,240,691									
9/29/2005	0	0	0	0	19,295	0	0	0	7,259,986									
9/30/2005	0	0	0	0	0	0	0	0	7,259,986	0	0	0	0	237,093	0	0	0	237,093
10/1/2005	0	0	0	0	0	0	0	0	7,259,986									
10/2/2005	0	0	0	0	0	0	0	0	7,259,986									
10/3/2005	0	0	0	0	0	0	0	0	7,259,986									
10/4/2005	0	0	0	0	46,334	0	0	0	7,306,320									
10/5/2005	0	0	0	0	0	0	0	0	7,306,320									
10/6/2005	0	0	0	0	0	0	0	0	7,306,320									
10/7/2005	0	0	0	0	0	0	0	0	7,306,320									
10/8/2005	0	0	0	0	0	0	0	0	7,306,320									
10/9/2005	0	0	0	0	0	0	0	0	7,306,320									
10/10/2005	0	0	0	0	42,292	0	0	0	7,348,612									
10/11/2005	0	0	0	0	0	0	0	0	7,348,612									
10/12/2005	0	0	0	0	41,428	0	0	0	7,390,040									
10/13/2005	0	0	0	0	0	0	0	0	7,390,040									
10/14/2005	0	0	0	0	0	0	0	0	7,390,040									
10/15/2005	0	0	0	0	0	0	0	0	7,390,040									
10/16/2005	0	0	0	0	0	0	0	0	7,390,040									
10/17/2005	0	0	0	0	44,286	0	0	0	7,434,326									
10/18/2005	0	0	0	0	26,667	0	0	0	7,460,993									
10/19/2005	0	0	0	0	0	0	0	0	7,460,993									
10/20/2005	0	0	0	0	0	0	0	0	7,460,993									
10/21/2005	0	0	0	0	40,331	0	0	0	7,501,324									
10/22/2005	0	0	0	0	0	0	0	0	7,501,324									
10/23/2005	0	0	0	0	0	0	0	0	7,501,324									
10/24/2005	0	0	0	0	38,885	0	0	0	7,540,209									
10/25/2005	0	0	0	0	0	0	0	0	7,540,209									
10/26/2005	0	0	0	0	0	0	0	0	7,540,209									
10/27/2005	0	0	0	0	0	0	0	0	7,540,209									
10/28/2005	0	0	0	0	35,357	0	0	0	7,575,566									
10/29/2005	0	0	0	0	0	0	0	0	7,575,566									
10/30/2005	0	0	0	0	0	0	0	0	7,575,566									
10/31/2005	0	0	0	0	0	0	0	0	7,575,566	0	0	0	0	315,580	0	0	0	315,580

TABLE 7-2
LIQUID APPLICATION SUMMARY
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

	Liquid Applied by Trench (gallons)									Monthly Summary by Trench								
Date	1	2	3	4	5	6	7	8	Cumulative Total	1	2	3	4	5	6	7	8	Monthly Total
11/1/2005	0	0	0	0	42,740	0	0	0	7,618,306									
11/2/2005	0	0	0	0	0	0	0	0	7,618,306									
11/3/2005	0	0	0	0	0	0	0	0	7,618,306									
11/4/2005	0	0	0	0	32,268	0	0	0	7,650,574									
11/5/2005	0	0	0	0	0	0	0	0	7,650,574									
11/6/2005	0	0	0	0	0	0	0	0	7,650,574									
11/7/2005	0	0	0	0	0	0	0	0	7,650,574									
11/8/2005	0	0	0	0	0	0	0	0	7,650,574									
11/9/2005	0	0	0	0	0	0	0	0	7,650,574									
11/10/2005	0	0	0	0	0	0	0	0	7,650,574									
11/11/2005	0	0	0	0	0	0	0	35,298	7,685,872									
11/12/2005	0	0	0	0	0	0	0	32,317	7,718,189									
11/13/2005	0	0	0	0	0	0	0	0	7,718,189									
11/14/2005	0	0	0	0	39,983	0	0	6,752	7,764,924									
11/15/2005	15,227	0	0	0	0	0	0	28,726	7,808,877									
11/16/2005	0	0	0	0	0	0	0	0	7,808,877									
11/17/2005	0	0	0	0	0	0	0	0	7,808,877									
11/18/2005	0	0	0	0	0	0	0	29,654	7,838,531									
11/19/2005	0	0	0	0	0	0	0	0	7,838,531									
11/20/2005	0	0	0	0	0	0	0	0	7,838,531									
11/21/2005	0	0	0	0	0	0	0	45,238	7,883,769									
11/22/2005	0	0	0	0	0	0	0	0	7,883,769									
11/23/2005	0	0	0	0	0	0	0	0	7,883,769									
11/24/2005	0	0	0	0	0	0	0	0	7,883,769									
11/25/2005	0	0	0	0	0	0	0	0	7,883,769									
11/26/2005	0	0	0	0	0	0	0	0	7,883,769									
11/27/2005	0	0	0	0	0	0	0	0	7,883,769									
11/28/2005	0	0	0	0	0	0	0	0	7,883,769									
11/29/2005	0	0	0	0	0	0	0	32,275	7,916,044									
11/30/2005	0	0	0	0	38,773	0	0	0	7,954,817	15,227	0	0	0	153,764	0	0	210,260	379,251
12/1/2005	0	0	0	0	0	0	43,341	0	7,998,158									
12/2/2005	0	0	0	0	0	0	39,081	0	8,037,239									
12/3/2005	0	0	0	0	0	0	0	0	8,037,239									
12/4/2005	0	0	0	0	0	0	0	0	8,037,239									
12/5/2005	0	0	0	0	0	0	0	0	8,037,239									
12/6/2005	0	0	0	0	0	0	0	0	8,037,239									
12/7/2005	0	0	0	0	0	0	0	0	8,037,239									
12/8/2005	0	0	0	0	0	0	0	0	8,037,239									
12/9/2005	0	0	0	0	0	0	0	0	8,037,239									
12/10/2005	0	0	0	0	0	0	0	0	8,037,239									
12/11/2005	0	0	0	0	0	0	0	0	8,037,239									
12/12/2005	0	0	0	0	0	0	0	0	8,037,239									
12/13/2005	0	0	0	0	0	0	0	0	8,037,239									
12/14/2005	0	0	0	0	0	0	0	0	8,037,239									
12/15/2005	0	0	0	0	0	0	0	0	8,037,239									
12/16/2005	0	0	0	0	0	0	0	0	8,037,239									
12/17/2005	0	0	0	0	0	0	0	0	8,037,239									
12/18/2005	0	0	0	0	0	0	0	0	8,037,239									
12/19/2005	0	0	0	0	0	0	0	0	8,037,239									
12/20/2005	0	0	0	0	30,963	0	0	0	8,068,202									
12/21/2005	0	0	0	0	0	0	0	0	8,068,202									
12/22/2005	0	0	0	0	0	0	0	0	8,068,202									
12/23/2005	0	0	0	0	0	0	0	0	8,068,202									
12/24/2005	0	0	0	0	0	0	0	0	8,068,202									
12/25/2005	0	0	0	0	0	0	0	0	8,068,202									
12/26/2005	0	0	0	0	0	0	0	0	8,068,202									
12/27/2005	0	0	0	0	43,490	0	0	0	8,111,692									
12/28/2005	0	0	0	0	0	0	0	40,852	8,152,544									
12/29/2005	0	0	0	0	0	0	44,402	0	8,196,946									
12/30/2005	0	0	0	0	0	0	0	0	8,196,946									
12/31/2005	0	0	0	0	0	0	0	0	8,196,946	0	0	0	0	74,453	0	126,824	40,852	242,129
1/1/2006	0	0	0	0	0	0	0	0	8,196,946									
1/2/2006	0	0	0	0	0	0	21,363	0	8,218,309									
1/3/2006	0	0	0	0	36,621	0	0	0	8,254,930									
1/4/2006	0	0	0	0	36,143	0	0	0	8,291,073									
1/5/2006	0	0	0	0	0	0	0	35,571	8,326,644									
1/6/2006	0	0	0	0	19,803	0	0	0	8,346,447									
1/7/2006	0	0	0	0	0	0	0	0	8,346,447									
1/8/2006	0	0	0	0	0	0	0	0	8,346,447									
1/9/2006	0	0	0	0	0	0	0	0	8,346,447									
1/10/2006	0	0	0	0	0	0	0	0	8,346,447									
1/11/2006	0	0	0	0	0	0	0	0	8,346,447									
1/12/2006	0	0	0	0	0	0	0	0	8,346,447									
1/13/2006	0	0	0	0	0	0	0	0	8,346,447									
1/14/2006	0	0	0	0	0	0	0	0	8,346,447									
1/15/2006	0	0	0	0	0	0	0	0	8,346,447									
1/16/2006	0	0	0	0	0	0	0	0	8,346,447									
1/17/2006	0	0	0	0	0	0	0	0	8,346,447									
1/18/2006	0	0	0	0	0	0	0	0	8,346,447									
1/19/2006	0	0	0	0	0	0	0	0	8,346,447									
1/20/2006	0	0	0	0	0	0	0	0	8,346,447									
1/21/2006	0	0	0	0	0	0	0	0	8,346,447									
1/22/2006	0	0	0	0	0	0	0	0	8,346,447									
1/23/2006	0	0	0	0	0	0	0	0	8,346,447									
1/24/2006	0	0	0	0	37,672	0	0	0	8,384,119									
1/25/2006	0	0	0	0	0	0	0	0	8,384,119									
1/26/2006	0	0	0	0	40,069	0	0	0	8,424,188									
1/27/2006	0	0	0	0	27,421	0	0	0	8,451,609									
1/28/2006	0	0	0	0	0	0	0	0	8,451,609									
1/29/2006	0	0	0	0	0	0	0	0	8,451,609									
1/30/2006	0	0	0	0	35,627	0	0	0	8,487,236									
1/31/2006	0	0	0	0	0	0	0	0	8,487,236	0	0	0	0	233,356	0	21,363	35,571	290,290

TABLE 7-2
LIQUID APPLICATION SUMMARY
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

	Liquid Applied by Trench (gallons)									Monthly Summary by Trench								
Date	1	2	3	4	5	6	7	8	Cumulative Total	1	2	3	4	5	6	7	8	Monthly Total
2/1/2006	0	0	0	0	33,348	0	0	0	8,520,584									
2/2/2006	0	0	0	0	0	0	0	42,398	8,562,982									
2/3/2006	0	0	0	0	0	0	0	0	8,562,982									
2/4/2006	0	0	0	0	0	0	0	0	8,562,982									
2/5/2006	0	0	0	0	0	0	0	0	8,562,982									
2/6/2006	0	0	0	0	0	0	0	0	8,562,982									
2/7/2006	0	0	0	0	0	0	0	30,613	8,593,595									
2/8/2006	0	0	0	0	0	0	0	0	8,593,595									
2/9/2006	0	0	0	0	25,599	0	0	0	8,619,194									
2/10/2006	0	0	0	0	0	0	0	0	8,619,194									
2/11/2006	0	0	0	0	0	0	0	0	8,619,194									
2/12/2006	0	0	0	0	0	0	0	0	8,619,194									
2/13/2006	0	0	0	0	0	0	0	0	8,619,194									
2/14/2006	0	0	0	0	0	0	0	0	8,619,194									
2/15/2006	0	0	0	0	38,287	0	0	0	8,657,481									
2/16/2006	0	0	0	0	0	0	0	0	8,657,481									
2/17/2006	0	0	0	0	0	0	0	0	8,657,481									
2/18/2006	0	0	0	0	0	0	0	0	8,657,481									
2/19/2006	0	0	0	0	0	0	0	0	8,657,481									
2/20/2006	0	0	0	0	0	0	0	0	8,657,481									
2/21/2006	0	0	0	0	0	0	0	0	8,657,481									
2/22/2006	0	0	0	0	40,575	0	0	0	8,698,056									
2/23/2006	0	0	0	0	0	0	0	0	8,698,056									
2/24/2006	0	0	0	0	0	0	0	0	8,698,056									
2/25/2006	0	0	0	0	0	0	0	0	8,698,056									
2/26/2006	0	0	0	0	0	0	0	0	8,698,056									
2/27/2006	0	0	0	0	0	0	0	0	8,698,056									
2/28/2006	0	0	0	0	43,474	0	0	0	8,741,530	0	0	0	0	181,283	0	0	73,011	254,294
3/1/2006	0	0	0	0	0	0	38,851	0	8,780,381									
3/2/2006	0	0	0	0	0	0	0	0	8,780,381									
3/3/2006	0	0	0	0	0	0	0	41,408	8,821,789									
3/4/2006	0	0	0	0	0	0	0	0	8,821,789									
3/5/2006	0	0	0	0	0	0	0	0	8,821,789									
3/6/2006	0	0	0	0	0	0	0	0	8,821,789									
3/7/2006	0	0	0	0	0	0	0	0	8,821,789									
3/8/2006	0	0	0	0	0	0	0	0	8,821,789									
3/9/2006	0	0	0	0	0	0	0	0	8,821,789									
3/10/2006	0	0	0	0	39,733	0	0	0	8,861,522									
3/11/2006	0	0	0	0	0	0	0	0	8,861,522									
3/12/2006	0	0	0	0	0	0	0	0	8,861,522									
3/13/2006	0	0	0	0	44,582	0	0	0	8,906,104									
3/14/2006	0	0	0	0	0	0	0	0	8,906,104									
3/15/2006	0	0	0	0	0	0	0	0	8,906,104									
3/16/2006	0	0	0	0	0	0	0	0	8,906,104									
3/17/2006	0	0	0	0	0	0	0	0	8,906,104									
3/18/2006	0	0	0	0	0	0	0	0	8,906,104									
3/19/2006	0	0	0	0	0	0	0	0	8,906,104									
3/20/2006	0	0	0	0	0	0	0	0	8,906,104									
3/21/2006	0	0	0	0	0	0	0	0	8,906,104									
3/22/2006	0	0	0	0	0	0	0	0	8,906,104									
3/23/2006	0	0	0	0	0	0	0	0	8,906,104									
3/24/2006	0	0	0	0	36,536	0	0	0	8,942,640									
3/25/2006	0	0	0	0	0	0	0	0	8,942,640									
3/26/2006	0	0	0	0	0	0	0	0	8,942,640									
3/27/2006	0	0	0	0	42,146	0	0	0	8,984,786									
3/28/2006	0	0	0	0	0	0	0	0	8,984,786									
3/29/2006	0	0	0	0	25,799	0	0	0	9,010,585									
3/30/2006	0	0	0	0	0	0	0	0	9,010,585									
3/31/2006	0	0	0	0	0	0	0	0	9,010,585	0	0	0	0	188,796	0	38,851	41,408	269,055
4/1/2006	0	0	0	0	0	0	0	0	9,010,585									
4/2/2006	0	0	0	0	0	0	0	0	9,010,585									
4/3/2006	0	0	0	0	0	0	0	0	9,010,585									
4/4/2006	0	0	0	0	0	0	0	0	9,010,585									
4/5/2006	0	0	0	0	0	0	0	0	9,010,585									
4/6/2006	0	0	0	0	0	0	0	0	9,010,585									
4/7/2006	0	0	0	0	0	0	0	0	9,010,585									
4/8/2006	0	0	0	0	0	0	0	0	9,010,585									
4/9/2006	0	0	0	0	0	0	0	0	9,010,585									
4/10/2006	0	0	0	0	0	0	0	0	9,010,585									
4/11/2006	0	0	0	0	0	0	0	39,678	9,050,263									
4/12/2006	0	0	0	0	0	0	0	0	9,050,263									
4/13/2006	0	0	0	0	0	0	0	34,028	9,084,291									
4/14/2006	0	0	0	0	0	0	0	0	9,084,291									
4/15/2006	0	0	0	0	0	0	0	0	9,084,291									
4/16/2006	0	0	0	0	0	0	0	0	9,084,291									
4/17/2006	0	0	0	0	0	0	0	0	9,084,291									
4/18/2006	0	0	0	0	42,274	0	0	0	9,126,565									
4/19/2006	0	0	0	0	0	0	38,916	0	9,165,481									
4/20/2006	0	0	0	0	35,050	0	0	0	9,200,531									
4/21/2006	0	0	0	0	0	0	0	0	9,200,531									
4/22/2006	0	0	0	0	0	0	0	0	9,200,531									
4/23/2006	0	0	0	0	0	0	0	0	9,200,531									
4/24/2006	0	0	0	0	0	0	0	0	9,200,531									
4/25/2006	0	0	0	0	0	0	0	0	9,200,531									
4/26/2006	0	0	0	0	0	0	0	0	9,200,531									
4/27/2006	0	0	0	0	0	0	0	0	9,200,531									
4/28/2006	0	0	0	0	0	0	0	0	9,200,531									
4/29/2006	0	0	0	0	0	0	0	0	9,200,531									
4/30/2006	0	0	0	0	0	0	0	0	9,200,531	0	0	0	0	77,324	0	38,916	73,706	189,946

TABLE 7-2
LIQUID APPLICATION SUMMARY
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

	Liquid Applied by Trench (gallons)									Monthly Summary by Trench								
Date	1	2	3	4	5	6	7	8	Cumulative Total	1	2	3	4	5	6	7	8	Monthly Total
5/1/2006	0	0	0	0	0	0	0	0	9,200,531									
5/2/2006	0	0	0	0	0	0	0	0	9,200,531									
5/3/2006	0	0	0	0	0	0	0	0	9,200,531									
5/4/2006	0	0	0	0	35,884	0	0	0	9,236,415									
5/5/2006	0	0	0	0	0	0	0	0	9,236,415									
5/6/2006	0	0	0	0	0	0	0	0	9,236,415									
5/7/2006	0	0	0	0	0	0	0	0	9,236,415									
5/8/2006	0	0	0	0	0	0	0	0	9,236,415									
5/9/2006	0	0	0	0	43,324	0	0	0	9,279,739									
5/10/2006	0	0	0	0	0	0	43,627	0	9,323,366									
5/11/2006	0	0	0	0	0	0	0	0	9,323,366									
5/12/2006	0	0	0	0	0	0	0	0	9,323,366									
5/13/2006	0	0	0	0	0	0	0	0	9,323,366									
5/14/2006	0	0	0	0	0	0	0	0	9,323,366									
5/15/2006	0	0	0	0	0	0	0	0	9,323,366									
5/16/2006	0	0	0	0	0	0	0	0	9,323,366									
5/17/2006	0	0	0	0	35,077	0	0	0	9,358,443									
5/18/2006	0	0	0	0	0	0	0	0	9,358,443									
5/19/2006	0	0	0	0	0	0	0	0	9,358,443									
5/20/2006	0	0	0	0	0	0	0	0	9,358,443									
5/21/2006	0	0	0	0	0	0	0	0	9,358,443									
5/22/2006	0	0	0	0	0	0	0	0	9,358,443									
5/23/2006	0	0	0	0	31,826	0	0	0	9,390,269									
5/24/2006	0	0	0	0	0	0	0	0	9,390,269									
5/25/2006	0	0	0	0	36,129	0	0	0	9,426,398									
5/26/2006	0	0	0	0	0	0	0	0	9,426,398									
5/27/2006	0	0	0	0	0	0	0	0	9,426,398									
5/28/2006	0	0	0	0	0	0	0	0	9,426,398									
5/29/2006	0	0	0	0	0	0	0	0	9,426,398									
5/30/2006	0	0	0	0	0	0	0	0	9,426,398									
5/31/2006	0	0	0	0	31,530	0	0	0	9,457,928	0	0	0	0	213,770	0	43,627	0	257,397
6/1/2006	0	0	0	0	0	0	0	0	9,457,928									
6/2/2006	0	0	0	0	0	0	0	0	9,457,928									
6/3/2006	0	0	0	0	0	0	0	0	9,457,928									
6/4/2006	0	0	0	0	0	0	0	0	9,457,928									
6/5/2006	0	0	0	0	0	0	0	0	9,457,928									
6/6/2006	0	0	0	0	37,727	0	0	0	9,495,655									
6/7/2006	0	0	0	0	0	0	0	0	9,495,655									
6/8/2006	0	0	0	0	0	0	0	0	9,495,655									
6/9/2006	0	0	0	0	0	0	0	0	9,495,655									
6/10/2006	0	0	0	0	0	0	0	0	9,495,655									
6/11/2006	0	0	0	0	0	0	0	0	9,495,655									
6/12/2006	0	0	0	0	0	0	0	0	9,495,655									
6/13/2006	0	0	0	0	21,127	0	0	0	9,516,782									
6/14/2006	0	0	0	0	26,835	0	0	0	9,543,617									
6/15/2006	0	0	0	0	28,239	0	0	0	9,571,856									
6/16/2006	0	0	0	0	0	0	0	36,325	9,608,181									
6/17/2006	0	0	0	0	0	0	0	0	9,608,181									
6/18/2006	0	0	0	0	0	0	0	0	9,608,181									
6/19/2006	0	0	0	0	39,866	0	0	0	9,648,047									
6/20/2006	0	0	0	0	0	0	0	0	9,648,047									
6/21/2006	0	0	0	0	0	0	32,114	0	9,680,161									
6/22/2006	0	0	0	0	0	0	0	0	9,680,161									
6/23/2006	0	0	0	0	0	0	0	0	9,680,161									
6/24/2006	0	0	0	0	0	0	0	0	9,680,161									
6/25/2006	0	0	0	0	0	0	0	0	9,680,161									
6/26/2006	0	0	0	0	0	0	0	0	9,680,161									
6/27/2006	0	0	0	0	0	0	0	0	9,680,161									
6/28/2006	0	0	0	0	0	0	0	0	9,680,161									
6/29/2006	0	0	0	0	0	0	0	0	9,680,161									
6/30/2006	0	0	0	0	25,867	0	0	0	9,706,028	0	0	0	0	179,661	0	32,114	36,325	248,100
7/1/2006	0	0	0	0	0	0	0	0	9,706,028									
7/2/2006	0	0	0	0	0	0	0	0	9,706,028									
7/3/2006	0	0	0	0	0	0	0	0	9,706,028									
7/4/2006	0	0	0	0	0	0	0	0	9,706,028									
7/5/2006	0	0	0	0	38,366	0	0	0	9,744,394									
7/6/2006	0	0	0	0	23,089	0	0	0	9,767,483									
7/7/2006	0	0	0	0	27,267	0	0	0	9,794,750									
7/8/2006	0	0	0	0	0	0	0	0	9,794,750									
7/9/2006	0	0	0	0	0	0	0	0	9,794,750									
7/10/2006	0	0	0	0	29,971	0	0	0	9,824,721									
7/11/2006	0	0	0	0	0	0	0	40,791	9,865,512									
7/12/2006	0	0	0	0	0	29,124	9,241	0	9,903,877									
7/13/2006	0	0	0	0	29,898	0	0	7,677	9,941,452									
7/14/2006	0	0	10,661	9,116	0	0	0	0	9,961,229									
7/15/2006	0	0	0	0	0	0	0	0	9,961,229									
7/16/2006	0	0	0	0	0	0	0	0	9,961,229									
7/17/2006	0	0	0	0	27,797	0	0	0	9,989,026									
7/18/2006	0	0	0	0	0	0	0	0	9,989,026									
7/19/2006	0	0	0	0	0	0	0	0	9,989,026									
7/20/2006	0	0	0	0	0	0	0	0	9,989,026									
7/21/2006	0	0	0	0	0	0	0	0	9,989,026									
7/22/2006	0	0	0	0	0	0	0	0	9,989,026									
7/23/2006	0	0	0	0	0	0	0	0	9,989,026									
7/24/2006	0	0	0	0	0	0	0	0	9,989,026									
7/25/2006	0	0	0	0	0	0	0	0	9,989,026									
7/26/2006	0	0	0	0	0	0	0	0	9,989,026									
7/27/2006	0	0	0	0	0	0	0	0	9,989,026									
7/28/2006	0	0	0	0	0	0	0	0	9,989,026									
7/29/2006	0	0	0	0	0	0	0	0	9,989,026									
7/30/2006	0	0	0	0	0	0	0	0	9,989,026									
7/31/2006	0	0	0	0	0	0	0	0	9,989,026	0	0	10,661	9,116	176,388	29,124	9,241	48,468	282,998

TABLE 7-2
LIQUID APPLICATION SUMMARY
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

	Liquid Applied by Trench (gallons)									Monthly Summary by Trench								
Date	1	2	3	4	5	6	7	8	Cumulative Total	1	2	3	4	5	6	7	8	Monthly Total
8/1/2006	0	0	0	0	36,533	0	0	0	10,025,559									
8/2/2006	0	0	0	0	0	0	0	0	10,025,559									
8/3/2006	0	0	0	0	40,288	0	0	0	10,065,847									
8/4/2006	0	0	0	0	0	0	0	36,681	10,102,528									
8/5/2006	0	0	0	0	0	0	0	0	10,102,528									
8/6/2006	0	0	0	0	0	0	0	0	10,102,528									
8/7/2006	0	0	0	0	0	0	0	0	10,102,528									
8/8/2006	0	0	0	0	32,459	0	0	0	10,134,987									
8/9/2006	0	0	0	0	0	0	23,129	0	10,158,116									
8/10/2006	0	0	0	0	0	0	0	0	10,158,116									
8/11/2006	0	0	0	0	0	0	0	0	10,158,116									
8/12/2006	0	0	0	0	0	0	0	0	10,158,116									
8/13/2006	0	0	0	0	0	0	0	0	10,158,116									
8/14/2006	0	0	0	0	0	0	0	0	10,158,116									
8/15/2006	0	0	0	0	0	0	0	0	10,158,116									
8/16/2006	0	0	0	0	0	0	0	0	10,158,116									
8/17/2006	0	0	0	0	0	0	0	0	10,158,116									
8/18/2006	0	0	0	0	0	0	0	0	10,158,116									
8/19/2006	0	0	0	0	0	0	0	0	10,158,116									
8/20/2006	0	0	0	0	0	0	0	0	10,158,116									
8/21/2006	0	0	0	0	35,450	0	0	0	10,193,566									
8/22/2006	0	0	0	0	0	0	0	0	10,193,566									
8/23/2006	0	0	0	0	21,059	0	0	0	10,214,625									
8/24/2006	0	0	0	0	0	0	0	0	10,214,625									
8/25/2006	0	0	0	0	0	0	0	0	10,214,625									
8/26/2006	0	0	0	0	0	0	0	0	10,214,625									
8/27/2006	0	0	0	0	0	0	0	0	10,214,625									
8/28/2006	0	0	0	0	0	0	0	0	10,214,625									
8/29/2006	0	0	0	0	32,723	0	0	0	10,247,348									
8/30/2006	0	0	0	0	0	0	0	0	10,247,348									
8/31/2006	0	0	0	0	32,563	0	0	0	10,279,911	0	0	0	0	231,075	0	23,129	36,681	290,885
9/1/2006	0	0	0	0	0	0	0	0	10,279,911									
9/2/2006	0	0	0	0	0	0	0	0	10,279,911									
9/3/2006	0	0	0	0	0	0	0	0	10,279,911									
9/4/2006	0	0	0	0	0	0	0	0	10,279,911									
9/5/2006	0	0	0	0	37,356	0	0	0	10,317,267									
9/6/2006	0	0	0	0	0	0	24,494	0	10,341,761									
9/7/2006	0	0	0	0	0	0	0	0	10,341,761									
9/8/2006	0	0	0	0	37,983	0	0	0	10,379,744									
9/9/2006	0	0	0	0	0	0	0	0	10,379,744									
9/10/2006	0	0	0	0	0	0	0	0	10,379,744									
9/11/2006	0	0	0	0	40,467	0	0	0	10,420,211									
9/12/2006	0	0	0	0	0	0	0	0	10,420,211									
9/13/2006	0	0	0	0	0	0	0	0	10,420,211									
9/14/2006	0	0	0	0	0	0	0	0	10,420,211									
9/15/2006	0	0	0	0	0	0	0	0	10,420,211									
9/16/2006	0	0	0	0	0	0	0	0	10,420,211									
9/17/2006	0	0	0	0	0	0	0	0	10,420,211									
9/18/2006	0	0	0	0	0	0	0	0	10,420,211									
9/19/2006	0	0	0	0	40,505	0	0	0	10,460,716									
9/20/2006	0	0	0	0	0	0	0	0	10,460,716									
9/21/2006	0	0	0	0	0	0	0	0	10,460,716									
9/22/2006	0	0	0	0	0	0	0	0	10,460,716									
9/23/2006	0	0	0	0	0	0	0	0	10,460,716									
9/24/2006	0	0	0	0	0	0	0	0	10,460,716									
9/25/2006	0	0	0	0	32,266	0	0	0	10,492,982									
9/26/2006	0	0	0	0	0	0	20,073	0	10,513,055									
9/27/2006	0	0	0	0	0	0	0	0	10,513,055									
9/28/2006	0	0	0	0	26,021	0	0	0	10,539,076									
9/29/2006	0	0	0	0	0	0	0	0	10,539,076									
9/30/2006	0	0	0	0	0	0	0	0	10,539,076	0	0	0	0	214,598	0	44,567	0	259,165
10/1/2006	0	0	0	0	0	0	0	0	10,539,076									
10/2/2006	0	0	0	0	33,649	0	0	0	10,572,725									
10/3/2006	0	0	0	0	0	0	0	0	10,572,725									
10/4/2006	0	0	0	0	0	0	0	0	10,572,725									
10/5/2006	0	0	0	0	0	0	0	0	10,572,725									
10/6/2006	0	0	0	0	24,975	0	0	0	10,597,700									
10/7/2006	0	0	0	0	0	0	0	0	10,597,700									
10/8/2006	0	0	0	0	17,338	0	0	0	10,615,038									
10/9/2006	0	0	0	0	12,528	0	23,539	0	10,651,105									
10/10/2006	0	0	0	0	0	0	0	0	10,651,105									
10/11/2006	0	0	0	0	0	0	25,323	0	10,676,428									
10/12/2006	0	0	0	0	0	0	0	0	10,676,428									
10/13/2006	0	0	0	0	0	0	0	0	10,676,428									
10/14/2006	0	0	0	0	0	0	0	0	10,676,428									
10/15/2006	0	0	0	0	0	0	0	0	10,676,428									
10/16/2006	0	0	0	0	0	0	0	0	10,676,428									
10/17/2006	0	0	0	0	0	0	0	0	10,676,428									
10/18/2006	0	0	0	0	0	0	0	0	10,676,428									
10/19/2006	0	0	0	0	0	0	0	0	10,676,428									
10/20/2006	0	0	0	0	0	0	0	0	10,676,428									
10/21/2006	0	0	0	0	0	0	0	0	10,676,428									
10/22/2006	0	0	0	0	0	0	0	0	10,676,428									
10/23/2006	0	0	0	0	0	0	0	0	10,676,428									
10/24/2006	0	0	0	0	0	0	0	0	10,676,428									
10/25/2006	0	0	0	0	0	0	0	0	10,676,428									
10/26/2006	0	0	0	0	0	0	0	0	10,676,428									
10/27/2006	0	0	0	0	0	0	0	0	10,676,428									
10/28/2006	0	0	0	0	0	0	0	0	10,676,428									
10/29/2006	0	0	0	0	0	0	0	0	10,676,428									
10/30/2006	0	0	0	0	0	0	0	0	10,676,428									
10/31/2006	0	0	0	0	0	0	0	0	10,676,428	0	0	0	0	88,490	0	48,862	0	137,352

TABLE 7-2
LIQUID APPLICATION SUMMARY
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

	Liquid Applied by Trench (gallons)									Monthly Summary by Trench								
Date	1	2	3	4	5	6	7	8	Cumulative Total	1	2	3	4	5	6	7	8	Monthly Total
11/1/2006	0	0	0	0	0	0	0	0	10,676,428									
11/2/2006	0	0	0	0	0	0	0	0	10,676,428									
11/3/2006	0	0	0	0	0	0	0	0	10,676,428									
11/4/2006	0	0	0	0	0	0	0	0	10,676,428									
11/5/2006	0	0	0	0	0	0	0	0	10,676,428									
11/6/2006	0	0	0	0	0	0	0	0	10,676,428									
11/7/2006	0	0	0	0	0	0	0	0	10,676,428									
11/8/2006	0	0	0	0	0	0	0	0	10,676,428									
11/9/2006	0	0	0	0	0	0	0	0	10,676,428									
11/10/2006	0	0	0	0	0	0	0	0	10,676,428									
11/11/2006	0	0	0	0	0	0	0	0	10,676,428									
11/12/2006	0	0	0	0	0	0	0	0	10,676,428									
11/13/2006	0	0	0	0	0	0	0	0	10,676,428									
11/14/2006	0	0	0	0	0	0	0	0	10,676,428									
11/15/2006	0	0	0	0	0	0	0	0	10,676,428									
11/16/2006	0	0	0	0	0	0	0	0	10,676,428									
11/17/2006	0	0	0	0	0	0	0	0	10,676,428									
11/18/2006	0	0	0	0	0	0	0	0	10,676,428									
11/19/2006	0	0	0	0	0	0	0	0	10,676,428									
11/20/2006	0	0	0	0	0	0	0	0	10,676,428									
11/21/2006	0	0	0	0	0	0	0	0	10,676,428									
11/22/2006	0	0	0	0	0	0	0	0	10,676,428									
11/23/2006	0	0	0	0	0	0	0	0	10,676,428									
11/24/2006	0	0	0	0	0	0	0	0	10,676,428									
11/25/2006	0	0	0	0	0	0	0	0	10,676,428									
11/26/2006	0	0	0	0	0	0	0	0	10,676,428									
11/27/2006	0	0	0	0	0	0	0	0	10,676,428									
11/28/2006	0	0	0	0	0	0	0	0	10,676,428									
11/29/2006	0	0	0	0	0	0	0	0	10,676,428									
11/30/2006	0	0	0	0	0	0	0	0	10,676,428	0	0	0	0	0	0	0	0	0
12/1/2006	0	0	0	0	0	0	0	0	10,676,428									
12/2/2006	0	0	0	0	0	0	0	0	10,676,428									
12/3/2006	0	0	0	0	0	0	0	0	10,676,428									
12/4/2006	0	0	0	0	0	0	0	0	10,676,428									
12/5/2006	0	0	0	0	0	0	0	0	10,676,428									
12/6/2006	0	0	0	0	0	0	0	0	10,676,428									
12/7/2006	0	0	0	0	0	0	0	0	10,676,428									
12/8/2006	0	0	0	0	0	0	0	0	10,676,428									
12/9/2006	0	0	0	0	0	0	0	0	10,676,428									
12/10/2006	0	0	0	0	0	0	0	0	10,676,428									
12/11/2006	0	0	0	0	0	0	0	0	10,676,428									
12/12/2006	0	0	0	0	0	0	0	0	10,676,428									
12/13/2006	0	0	0	0	0	0	0	0	10,676,428									
12/14/2006	0	0	0	0	0	0	0	0	10,676,428									
12/15/2006	0	0	0	0	0	0	0	0	10,676,428									
12/16/2006	0	0	0	0	0	0	0	0	10,676,428									
12/17/2006	0	0	0	0	0	0	0	0	10,676,428									
12/18/2006	0	0	0	0	0	0	0	0	10,676,428									
12/19/2006	0	0	0	0	0	0	0	0	10,676,428									
12/20/2006	0	0	0	0	0	0	0	0	10,676,428									
12/21/2006	0	0	0	0	0	0	0	0	10,676,428									
12/22/2006	0	0	0	0	0	0	0	0	10,676,428									
12/23/2006	0	0	0	0	0	0	0	0	10,676,428									
12/24/2006	0	0	0	0	0	0	0	0	10,676,428									
12/25/2006	0	0	0	0	0	0	0	0	10,676,428									
12/26/2006	0	0	0	0	0	0	0	0	10,676,428									
12/27/2006	0	0	0	0	0	0	0	0	10,676,428									
12/28/2006	0	0	0	0	0	0	0	0	10,676,428									
12/29/2006	0	0	0	0	0	0	0	0	10,676,428									
12/30/2006	0	0	0	0	0	0	0	0	10,676,428									
12/31/2006	0	0	0	0	0	0	0	0	10,676,428	0	0	0	0	0	0	0	0	0
1/1/2007	0	0	0	0	0	0	0	0	10,676,428									
1/2/2007	0	0	0	0	0	0	0	0	10,676,428									
1/3/2007	0	0	0	0	0	0	0	0	10,676,428									
1/4/2007	0	0	0	0	0	0	0	0	10,676,428									
1/5/2007	0	0	0	0	0	0	0	0	10,676,428									
1/6/2007	0	0	0	0	0	0	0	0	10,676,428									
1/7/2007	0	0	0	0	0	0	0	0	10,676,428									
1/8/2007	0	0	0	0	0	0	0	0	10,676,428									
1/9/2007	0	0	0	0	0	0	0	0	10,676,428									
1/10/2007	0	0	0	0	0	0	0	0	10,676,428									
1/11/2007	0	0	0	0	0	0	0	0	10,676,428									
1/12/2007	0	0	0	0	0	0	0	0	10,676,428									
1/13/2007	0	0	0	0	0	0	0	0	10,676,428									
1/14/2007	0	0	0	0	0	0	0	0	10,676,428									
1/15/2007	0	0	0	0	0	0	0	0	10,676,428									
1/16/2007	0	0	0	0	0	0	0	0	10,676,428									
1/17/2007	0	0	0	0	0	0	0	0	10,676,428									
1/18/2007	0	0	0	0	0	0	0	0	10,676,428									
1/19/2007	0	0	0	0	0	0	0	0	10,676,428									
1/20/2007	0	0	0	0	0	0	0	0	10,676,428									
1/21/2007	0	0	0	0	0	0	0	0	10,676,428									
1/22/2007	0	0	0	0	0	0	0	0	10,676,428									
1/23/2007	0	0	0	0	0	0	0	0	10,676,428									
1/24/2007	0	0	0	0	0	0	0	0	10,676,428									
1/25/2007	0	0	0	0	0	0	0	0	10,676,428									
1/26/2007	0	0	0	0	0	0	0	0	10,676,428									
1/27/2007	0	0	0	0	0	0	0	0	10,676,428									
1/28/2007	0	0	0	0	0	0	0	0	10,676,428									
1/29/2007	0	0	0	0	0	0	0	0	10,676,428									
1/30/2007	0	0	0	0	0	0	0	0	10,676,428									
1/31/2007	0	0	0	0	0	0	0	0	10,676,428	0	0	0	0	0	0	0	0	0

TABLE 7-2
LIQUID APPLICATION SUMMARY
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

	Liquid Applied by Trench (gallons)									Monthly Summary by Trench								
Date	1	2	3	4	5	6	7	8	Cumulative Total	1	2	3	4	5	6	7	8	Monthly Total
2/1/2007	0	0	0	0	0	0	0	0	10,676,428									
2/2/2007	0	0	0	0	0	0	0	0	10,676,428									
2/3/2007	0	0	0	0	0	0	0	0	10,676,428									
2/4/2007	0	0	0	0	0	0	0	0	10,676,428									
2/5/2007	0	0	0	0	0	0	0	0	10,676,428									
2/6/2007	0	0	0	0	0	0	0	0	10,676,428									
2/7/2007	0	0	0	0	0	0	0	0	10,676,428									
2/8/2007	0	0	0	0	0	0	0	0	10,676,428									
2/9/2007	0	0	0	0	0	0	0	0	10,676,428									
2/10/2007	0	0	0	0	0	0	0	0	10,676,428									
2/11/2007	0	0	0	0	0	0	0	0	10,676,428									
2/12/2007	0	0	0	0	0	0	0	0	10,676,428									
2/13/2007	0	0	0	0	0	0	0	0	10,676,428									
2/14/2007	0	0	0	0	0	0	0	0	10,676,428									
2/15/2007	0	0	0	0	0	0	0	0	10,676,428									
2/16/2007	0	0	0	0	0	0	0	0	10,676,428									
2/17/2007	0	0	0	0	0	0	0	0	10,676,428									
2/18/2007	0	0	0	0	0	0	0	0	10,676,428									
2/19/2007	0	0	0	0	0	0	0	0	10,676,428									
2/20/2007	0	0	0	0	0	0	0	0	10,676,428									
2/21/2007	0	0	0	0	0	0	0	0	10,676,428									
2/22/2007	0	0	0	0	0	0	0	0	10,676,428									
2/23/2007	0	0	0	0	0	0	0	0	10,676,428									
2/24/2007	0	0	0	0	0	0	0	0	10,676,428									
2/25/2007	0	0	0	0	0	0	0	0	10,676,428									
2/26/2007	0	0	0	0	0	0	0	0	10,676,428									
2/27/2007	0	0	0	0	0	0	0	0	10,676,428									
2/28/2007	0	0	0	0	0	0	0	0	10,676,428	0	0	0	0	0	0	0	0	0
3/1/2007	0	0	0	0	0	0	0	0	10,676,428									
3/2/2007	0	0	0	0	0	0	0	0	10,676,428									
3/3/2007	0	0	0	0	0	0	0	0	10,676,428									
3/4/2007	0	0	0	0	0	0	0	0	10,676,428									
3/5/2007	0	0	0	0	0	0	0	0	10,676,428									
3/6/2007	0	0	0	0	0	0	0	0	10,676,428									
3/7/2007	0	0	0	0	0	0	0	0	10,676,428									
3/8/2007	0	0	0	0	0	0	0	0	10,676,428									
3/9/2007	0	0	0	0	0	0	0	0	10,676,428									
3/10/2007	0	0	0	0	0	0	0	0	10,676,428									
3/11/2007	0	0	0	0	0	0	0	0	10,676,428									
3/12/2007	0	0	0	0	0	0	0	0	10,676,428									
3/13/2007	0	0	0	0	0	0	0	0	10,676,428									
3/14/2007	0	0	0	0	0	0	0	0	10,676,428									
3/15/2007	0	0	0	0	0	0	0	0	10,676,428									
3/16/2007	0	0	0	0	0	0	0	0	10,676,428									
3/17/2007	0	0	0	0	0	0	0	0	10,676,428									
3/18/2007	0	0	0	0	0	0	0	0	10,676,428									
3/19/2007	0	0	0	0	0	0	0	0	10,676,428									
3/20/2007	0	0	0	0	0	0	0	0	10,676,428									
3/21/2007	0	0	0	0	0	0	0	0	10,676,428									
3/22/2007	0	0	0	0	0	0	0	0	10,676,428									
3/23/2007	0	0	0	0	0	0	0	0	10,676,428									
3/24/2007	0	0	0	0	0	0	0	0	10,676,428									
3/25/2007	0	0	0	0	0	0	0	0	10,676,428									
3/26/2007	0	0	0	0	0	0	0	0	10,676,428									
3/27/2007	0	0	0	0	0	0	0	0	10,676,428									
3/28/2007	0	0	0	0	0	0	0	0	10,676,428									
3/29/2007	0	0	0	0	0	0	0	0	10,676,428									
3/30/2007	0	0	0	0	0	0	0	0	10,676,428									
3/31/2007	0	0	0	0	0	0	0	0	10,676,428	0	0	0	0	0	0	0	0	0
4/1/2007	0	0	0	0	0	0	0	0	10,676,428									
4/2/2007	0	0	0	0	0	0	0	0	10,676,428									
4/3/2007	0	0	0	0	0	0	0	0	10,676,428									
4/4/2007	0	0	0	0	0	0	0	0	10,676,428									
4/5/2007	0	0	0	0	0	0	0	0	10,676,428									
4/6/2007	0	0	0	0	0	0	0	0	10,676,428									
4/7/2007	0	0	0	0	0	0	0	0	10,676,428									
4/8/2007	0	0	0	0	0	0	0	0	10,676,428									
4/9/2007	0	0	0	0	0	0	0	0	10,676,428									
4/10/2007	0	0	0	0	0	0	0	0	10,676,428									
4/11/2007	0	0	0	0	0	0	0	0	10,676,428									
4/12/2007	0	0	0	0	0	0	0	0	10,676,428									
4/13/2007	0	0	0	0	0	0	0	0	10,676,428									
4/14/2007	0	0	0	0	0	0	0	0	10,676,428									
4/15/2007	0	0	0	0	0	0	0	0	10,676,428									
4/16/2007	0	0	0	0	0	0	0	0	10,676,428									
4/17/2007	0	0	0	0	0	0	0	0	10,676,428									
4/18/2007	0	0	0	0	0	0	0	0	10,676,428									
4/19/2007	0	0	0	0	0	0	0	0	10,676,428									
4/20/2007	0	0	0	0	0	0	0	0	10,676,428									
4/21/2007	0	0	0	0	0	0	0	0	10,676,428									
4/22/2007	0	0	0	0	0	0	0	0	10,676,428									
4/23/2007	0	0	0	0	0	0	0	0	10,676,428									
4/24/2007	0	0	0	0	0	0	0	0	10,676,428									
4/25/2007	0	0	0	0	0	0	0	0	10,676,428									
4/26/2007	0	0	0	0	0	0	0	0	10,676,428									
4/27/2007	0	0	0	0	0	0	0	0	10,676,428									
4/28/2007	0	0	0	0	0	0	0	0	10,676,428									
4/29/2007	0	0	0	0	0	0	0	0	10,676,428									
4/30/2007	0	0	0	0	0	0	0	0	10,676,428	0	0	0	0	0	0	0	0	0

TABLE 7-2
LIQUID APPLICATION SUMMARY
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

	Liquid Applied by Trench (gallons)									Monthly Summary by Trench								
Date	1	2	3	4	5	6	7	8	Cumulative Total	1	2	3	4	5	6	7	8	Monthly Total
5/1/2007	0	0	0	0	0	0	0	0	10,676,428									
5/2/2007	0	0	0	0	0	0	0	0	10,676,428									
5/3/2007	0	0	0	0	0	0	0	0	10,676,428									
5/4/2007	0	0	0	0	0	0	0	0	10,676,428									
5/5/2007	0	0	0	0	0	0	0	0	10,676,428									
5/6/2007	0	0	0	0	0	0	0	0	10,676,428									
5/7/2007	0	0	0	0	0	0	0	0	10,676,428									
5/8/2007	0	0	0	0	0	0	0	0	10,676,428									
5/9/2007	0	0	0	0	0	0	0	0	10,676,428									
5/10/2007	0	0	0	0	0	0	0	0	10,676,428									
5/11/2007	0	0	0	0	0	0	0	0	10,676,428									
5/12/2007	0	0	0	0	0	0	0	0	10,676,428									
5/13/2007	0	0	0	0	0	0	0	0	10,676,428									
5/14/2007	0	0	0	0	0	0	0	0	10,676,428									
5/15/2007	0	0	0	0	0	0	0	0	10,676,428									
5/16/2007	0	0	0	0	0	0	0	0	10,676,428									
5/17/2007	0	0	0	0	0	0	0	0	10,676,428									
5/18/2007	0	0	0	0	0	0	0	0	10,676,428									
5/19/2007	0	0	0	0	0	0	0	0	10,676,428									
5/20/2007	0	0	0	0	0	0	0	0	10,676,428									
5/21/2007	0	0	0	0	0	0	0	0	10,676,428									
5/22/2007	0	0	0	0	0	0	0	0	10,676,428									
5/23/2007	0	0	0	0	0	0	0	0	10,676,428									
5/24/2007	0	0	0	0	0	0	0	0	10,676,428									
5/25/2007	0	0	0	0	0	0	0	0	10,676,428									
5/26/2007	0	0	0	0	0	0	0	0	10,676,428									
5/27/2007	0	0	0	0	0	0	0	0	10,676,428									
5/28/2007	0	0	0	0	0	0	0	0	10,676,428									
5/29/2007	0	0	0	0	0	0	0	0	10,676,428									
5/30/2007	0	0	0	0	0	0	0	0	10,676,428									
5/31/2007	0	0	0	0	0	0	0	0	10,676,428	0	0	0	0	0	0	0	0	0
6/1/2007	0	0	0	0	0	0	0	0	10,676,428									
6/2/2007	0	0	0	0	0	0	0	0	10,676,428									
6/3/2007	0	0	0	0	0	0	0	0	10,676,428									
6/4/2007	0	0	0	0	0	0	0	0	10,676,428									
6/5/2007	0	0	0	0	0	0	0	0	10,676,428									
6/6/2007	0	0	0	0	0	0	0	0	10,676,428									
6/7/2007	0	0	0	0	0	0	0	0	10,676,428									
6/8/2007	0	0	0	0	0	0	0	0	10,676,428									
6/9/2007	0	0	0	0	0	0	0	0	10,676,428									
6/10/2007	0	0	0	0	0	0	0	0	10,676,428									
6/11/2007	0	0	0	0	0	0	0	0	10,676,428									
6/12/2007	0	0	0	0	0	0	0	0	10,676,428									
6/13/2007	0	0	0	0	0	0	0	0	10,676,428									
6/14/2007	0	0	0	0	0	0	0	0	10,676,428									
6/15/2007	0	0	0	0	0	0	0	0	10,676,428									
6/16/2007	0	0	0	0	0	0	0	0	10,676,428									
6/17/2007	0	0	0	0	0	0	0	0	10,676,428									
6/18/2007	0	0	0	0	0	0	0	0	10,676,428									
6/19/2007	0	0	0	0	0	0	0	0	10,676,428									
6/20/2007	0	0	0	0	0	0	0	0	10,676,428									
6/21/2007	0	0	0	0	0	0	0	0	10,676,428									
6/22/2007	0	0	0	0	0	0	0	0	10,676,428									
6/23/2007	0	0	0	0	0	0	0	0	10,676,428									
6/24/2007	0	0	0	0	0	0	0	0	10,676,428									
6/25/2007	0	0	0	0	0	0	0	0	10,676,428									
6/26/2007	0	0	0	0	0	0	0	0	10,676,428									
6/27/2007	0	0	0	0	0	0	35,243	0	10,711,671									
6/28/2007	0	0	0	0	0	36,089	0	0	10,747,760									
6/29/2007	0	0	0	0	25,162	0	0	0	10,772,922									
6/30/2007	0	0	0	0	0	0	0	0	10,772,922	0	0	0	0	25,162	36,089	35,243	0	96,494
7/1/2007	0	0	0	0	0	0	0	0	10,772,922									
7/2/2007	0	0	0	0	0	0	0	0	10,772,922									
7/3/2007	0	0	0	0	0	0	0	0	10,772,922									
7/4/2007	0	0	0	0	0	0	0	0	10,772,922									
7/5/2007	0	0	0	0	0	0	0	0	10,772,922									
7/6/2007	0	0	0	0	0	0	0	0	10,772,922									
7/7/2007	0	0	0	0	0	0	0	0	10,772,922									
7/8/2007	0	0	0	0	0	0	0	0	10,772,922									
7/9/2007	0	0	0	0	0	0	0	0	10,772,922									
7/10/2007	0	0	0	0	0	0	0	0	10,772,922									
7/11/2007	0	0	0	0	0	0	0	0	10,772,922									
7/12/2007	0	0	0	0	0	0	0	0	10,772,922									
7/13/2007	0	0	0	0	35,724	0	0	0	10,808,646									
7/14/2007	0	0	0	0	0	0	0	0	10,808,646									
7/15/2007	0	0	0	0	0	0	0	0	10,808,646									
7/16/2007	0	0	0	0	32,501	0	0	0	10,841,147									
7/17/2007	0	0	0	0	0	0	0	0	10,841,147									
7/18/2007	0	0	0	0	0	0	0	0	10,841,147									
7/19/2007	0	0	0	0	33,175	0	0	0	10,874,322									
7/20/2007	0	0	0	0	0	0	0	35,288	10,909,610									
7/21/2007	0	0	0	0	0	0	0	0	10,909,610									
7/22/2007	0	0	0	0	0	0	0	0	10,909,610									
7/23/2007	0	0	0	0	27,241	0	0	0	10,936,851									
7/24/2007	0	0	0	0	0	0	0	0	10,936,851									
7/25/2007	0	0	0	0	0	0	0	0	10,936,851									
7/26/2007	0	0	0	0	34,397	0	0	0	10,971,248									
7/27/2007	0	0	0	0	0	0	0	0	10,971,248									
7/28/2007	0	0	0	0	0	0	0	0	10,971,248									
7/29/2007	0	0	0	0	0	0	0	0	10,971,248									
7/30/2007	0	0	0	0	0	0	0	0	10,971,248									
7/31/2007	0	0	0	0	0	0	0	0	10,971,248	0	0	0	0	163,038	0	0	35,288	198,326

TABLE 7-2
LIQUID APPLICATION SUMMARY
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

	Liquid Applied by Trench (gallons)									Monthly Summary by Trench								
Date	1	2	3	4	5	6	7	8	Cumulative Total	1	2	3	4	5	6	7	8	Monthly Total
8/1/2007	0	0	0	0	0	0	0	0	10,971,248									
8/2/2007	0	0	0	0	0	0	0	0	10,971,248									
8/3/2007	0	0	0	0	0	0	0	0	10,971,248									
8/4/2007	0	0	0	0	0	0	0	0	10,971,248									
8/5/2007	0	0	0	0	0	0	0	0	10,971,248									
8/6/2007	0	0	0	0	0	0	0	0	10,971,248									
8/7/2007	0	0	0	0	34,459	0	0	0	11,005,707									
8/8/2007	0	0	0	0	35,266	0	0	0	11,040,973									
8/9/2007	0	0	0	0	0	0	0	0	11,040,973									
8/10/2007	0	0	0	0	0	0	0	0	11,040,973									
8/11/2007	0	0	0	0	0	0	0	0	11,040,973									
8/12/2007	0	0	0	0	0	0	0	0	11,040,973									
8/13/2007	0	0	0	0	0	0	0	0	11,040,973									
8/14/2007	0	0	0	0	32,840	0	0	0	11,073,813									
8/15/2007	0	0	0	0	0	0	0	0	11,073,813									
8/16/2007	0	0	0	0	28,491	0	0	0	11,102,304									
8/17/2007	0	0	0	0	0	0	0	0	11,102,304									
8/18/2007	0	0	0	0	0	0	0	0	11,102,304									
8/19/2007	0	0	0	0	0	0	0	0	11,102,304									
8/20/2007	0	0	0	0	0	0	0	0	11,102,304									
8/21/2007	0	0	0	0	0	0	0	0	11,102,304									
8/22/2007	0	0	0	0	40,626	0	0	0	11,142,930									
8/23/2007	0	0	0	0	0	0	0	0	11,142,930									
8/24/2007	0	0	0	0	32,651	0	0	0	11,175,581									
8/25/2007	0	0	0	0	0	0	0	0	11,175,581									
8/26/2007	0	0	0	0	0	0	0	0	11,175,581									
8/27/2007	0	0	0	0	0	0	0	0	11,175,581									
8/28/2007	0	0	0	0	0	0	0	0	11,175,581									
8/29/2007	0	0	0	0	0	0	0	0	11,175,581									
8/30/2007	0	0	0	0	0	0	0	0	11,175,581									
8/31/2007	0	0	0	0	0	0	0	0	11,175,581	0	0	0	0	204,333	0	0	0	204,333
9/1/2007	0	0	0	0	0	0	0	0	11,175,581									
9/2/2007	0	0	0	0	0	0	0	0	11,175,581									
9/3/2007	0	0	0	0	0	0	0	0	11,175,581									
9/4/2007	0	0	0	0	38,420	0	0	0	11,214,001									
9/5/2007	0	0	0	0	0	0	0	0	11,214,001									
9/6/2007	0	0	0	0	0	0	0	0	11,214,001									
9/7/2007	0	0	0	0	0	0	0	0	11,214,001									
9/8/2007	0	0	0	0	0	0	0	0	11,214,001									
9/9/2007	0	0	0	0	0	0	0	0	11,214,001									
9/10/2007	0	0	0	0	0	0	0	0	11,214,001									
9/11/2007	0	0	0	0	22,729	0	0	0	11,236,730									
9/12/2007	0	0	0	0	0	0	0	0	11,236,730									
9/13/2007	0	0	0	0	0	0	0	0	11,236,730									
9/14/2007	0	0	0	0	0	0	0	0	11,236,730									
9/15/2007	0	0	0	0	0	0	0	0	11,236,730									
9/16/2007	0	0	0	0	0	0	0	0	11,236,730									
9/17/2007	0	0	0	0	21,723	0	0	0	11,258,453									
9/18/2007	0	0	0	0	0	0	0	0	11,258,453									
9/19/2007	0	0	0	0	0	0	0	0	11,258,453									
9/20/2007	0	0	0	0	0	0	0	0	11,258,453									
9/21/2007	0	0	0	0	0	0	0	0	11,258,453									
9/22/2007	0	0	0	0	0	0	0	0	11,258,453									
9/23/2007	0	0	0	0	0	0	0	0	11,258,453									
9/24/2007	0	0	0	0	0	0	0	0	11,258,453									
9/25/2007	0	0	0	0	0	0	0	0	11,258,453									
9/26/2007	0	0	0	0	0	0	0	0	11,258,453									
9/27/2007	0	0	0	0	0	0	0	0	11,258,453									
9/28/2007	0	0	0	0	0	0	0	0	11,258,453									
9/29/2007	0	0	0	0	0	0	0	0	11,258,453									
9/30/2007	0	0	0	0	0	0	0	0	11,258,453	0	0	0	0	82,872	0	0	0	82,872
10/1/2007	0	0	0	0	40,739	0	0	0	11,299,192									
10/2/2007	0	0	0	0	0	0	0	0	11,299,192									
10/3/2007	0	0	0	0	0	0	0	0	11,299,192									
10/4/2007	0	0	0	0	0	0	0	0	11,299,192									
10/5/2007	0	0	0	0	38,088	0	0	0	11,337,280									
10/6/2007	0	0	0	0	0	0	0	0	11,337,280									
10/7/2007	0	0	0	0	0	0	0	0	11,337,280									
10/8/2007	0	0	0	0	0	0	0	0	11,337,280									
10/9/2007	0	0	0	0	33,737	0	0	0	11,371,017									
10/10/2007	0	0	0	0	0	0	0	0	11,371,017									
10/11/2007	0	0	0	0	35,819	0	0	0	11,406,836									
10/12/2007	0	0	0	0	0	0	0	0	11,406,836									
10/13/2007	0	0	0	0	0	0	0	0	11,406,836									
10/14/2007	0	0	0	0	0	0	0	0	11,406,836									
10/15/2007	0	0	0	0	39,220	0	0	0	11,446,056									
10/16/2007	0	0	0	0	28,209	0	0	0	11,474,265									
10/17/2007	0	0	0	0	0	0	33,338	0	11,507,603									
10/18/2007	0	0	0	0	0	0	0	0	11,507,603									
10/19/2007	0	0	0	0	0	0	0	0	11,507,603									
10/20/2007	0	0	0	0	0	0	0	0	11,507,603									
10/21/2007	0	0	0	0	0	0	0	0	11,507,603									
10/22/2007	0	0	0	0	28,344	0	0	0	11,535,947									
10/23/2007	0	0	0	0	0	0	0	0	11,535,947									
10/24/2007	0	0	0	0	0	0	0	0	11,535,947									
10/25/2007	0	0	0	0	0	0	0	0	11,535,947									
10/26/2007	0	0	0	0	0	0	0	0	11,535,947									
10/27/2007	0	0	0	0	0	0	0	0	11,535,947									
10/28/2007	0	0	0	0	0	0	0	0	11,535,947									
10/29/2007	0	0	0	0	32,731	0	0	0	11,568,678									
10/30/2007	0	0	0	0	0	0	0	0	11,568,678									
10/31/2007	0	0	0	0	0	0	0	0	11,568,678	0	0	0	0	276,887	0	33,338	0	310,225

TABLE 7-2
LIQUID APPLICATION SUMMARY
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

	Liquid Applied by Trench (gallons)									Monthly Summary by Trench								
Date	1	2	3	4	5	6	7	8	Cumulative Total	1	2	3	4	5	6	7	8	Monthly Total
11/1/2007	0	0	0	0	0	0	0	0	11,568,678									
11/2/2007	0	0	0	0	0	0	0	0	11,568,678									
11/3/2007	0	0	0	0	0	0	0	0	11,568,678									
11/4/2007	0	0	0	0	0	0	0	0	11,568,678									
11/5/2007	0	0	0	0	26,250	0	0	0	11,594,928									
11/6/2007	0	0	0	0	0	0	0	0	11,594,928									
11/7/2007	0	0	0	0	37,170	0	0	0	11,632,098									
11/8/2007	0	0	0	0	0	0	0	0	11,632,098									
11/9/2007	0	0	0	0	0	0	0	0	11,632,098									
11/10/2007	0	0	0	0	0	0	0	0	11,632,098									
11/11/2007	0	0	0	0	0	0	0	0	11,632,098									
11/12/2007	0	0	0	0	0	0	0	0	11,632,098									
11/13/2007	0	0	0	0	28,070	0	0	0	11,660,168									
11/14/2007	0	0	0	0	0	0	0	0	11,660,168									
11/15/2007	0	0	0	0	0	0	0	0	11,660,168									
11/16/2007	0	0	0	0	36,120	0	0	0	11,696,288									
11/17/2007	0	0	0	0	0	0	0	0	11,696,288									
11/18/2007	0	0	0	0	0	0	0	0	11,696,288									
11/19/2007	0	0	0	0	0	0	0	0	11,696,288									
11/20/2007	0	0	0	0	40,320	0	0	0	11,736,608									
11/21/2007	0	0	0	0	0	0	0	0	11,736,608									
11/22/2007	0	0	0	0	0	0	0	0	11,736,608									
11/23/2007	0	0	0	0	0	0	0	0	11,736,608									
11/24/2007	0	0	0	0	0	0	0	0	11,736,608									
11/25/2007	0	0	0	0	0	0	0	0	11,736,608									
11/26/2007	0	0	0	0	26,530	0	0	0	11,763,138									
11/27/2007	0	0	0	0	0	0	0	0	11,763,138									
11/28/2007	0	0	0	0	33,180	0	0	0	11,796,318									
11/29/2007	0	0	0	0	0	0	0	0	11,796,318									
11/30/2007	0	0	0	0	0	0	0	0	11,796,318	0	0	0	0	227,640	0	0	0	227,640
12/1/2007	0	0	0	0	0	0	0	0	11,796,318									
12/2/2007	0	0	0	0	0	0	0	0	11,796,318									
12/3/2007	0	0	0	0	0	0	0	0	11,796,318									
12/4/2007	0	0	0	0	30,940	0	0	0	11,827,258									
12/5/2007	0	0	0	0	0	0	0	29,400	11,856,658									
12/6/2007	0	0	0	0	0	0	0	0	11,856,658									
12/7/2007	0	0	0	0	0	0	0	0	11,856,658									
12/8/2007	0	0	0	0	0	0	0	0	11,856,658									
12/9/2007	0	0	0	0	0	0	0	0	11,856,658									
12/10/2007	0	0	0	0	32,970	0	0	0	11,889,628									
12/11/2007	0	0	0	0	0	0	0	0	11,889,628									
12/12/2007	0	0	0	0	32,200	0	0	0	11,921,828									
12/13/2007	0	0	0	0	0	0	0	0	11,921,828									
12/14/2007	0	0	0	0	0	0	0	0	11,921,828									
12/15/2007	0	0	0	0	0	0	0	0	11,921,828									
12/16/2007	0	0	0	0	0	0	0	0	11,921,828									
12/17/2007	0	0	0	0	0	0	0	0	11,921,828									
12/18/2007	0	0	0	0	0	0	0	0	11,921,828									
12/19/2007	0	0	0	0	36,050	0	0	0	11,957,878									
12/20/2007	0	0	0	0	0	0	0	0	11,957,878									
12/21/2007	0	0	0	0	0	0	0	0	11,957,878									
12/22/2007	0	0	0	0	0	0	0	0	11,957,878									
12/23/2007	0	0	0	0	0	0	0	0	11,957,878									
12/24/2007	0	0	0	0	0	0	0	0	11,957,878									
12/25/2007	0	0	0	0	0	0	0	0	11,957,878									
12/26/2007	0	0	0	0	34,230	0	0	0	11,992,108									
12/27/2007	0	0	0	0	0	0	0	0	11,992,108									
12/28/2007	0	0	0	0	0	0	0	0	11,992,108									
12/29/2007	0	0	0	0	0	0	0	0	11,992,108									
12/30/2007	0	0	0	0	0	0	0	0	11,992,108									
12/31/2007	0	0	0	0	19,320	0	0	0	12,011,428	0	0	0	0	185,710	0	0	29,400	215,110
1/1/2008	0	0	0	0	0	0	0	0	12,011,428									
1/2/2008	0	0	0	0	0	0	0	0	12,011,428									
1/3/2008	0	0	0	0	0	0	0	0	12,011,428									
1/4/2008	0	0	0	0	0	0	0	0	12,011,428									
1/5/2008	0	0	0	0	0	0	0	0	12,011,428									
1/6/2008	0	0	0	0	0	0	0	0	12,011,428									
1/7/2008	0	0	0	0	0	0	0	0	12,011,428									
1/8/2008	0	0	0	0	0	0	0	0	12,011,428									
1/9/2008	0	0	0	0	0	0	0	0	12,011,428									
1/10/2008	0	0	0	0	0	0	0	0	12,011,428									
1/11/2008	0	0	0	0	31,551	0	0	0	12,042,979									
1/12/2008	0	0	0	0	0	0	0	0	12,042,979									
1/13/2008	0	0	0	0	0	0	0	0	12,042,979									
1/14/2008	0	0	0	0	0	0	0	0	12,042,979									
1/15/2008	0	0	0	0	0	0	0	0	12,042,979									
1/16/2008	0	0	0	0	0	0	0	0	12,042,979									
1/17/2008	0	0	0	0	0	0	0	0	12,042,979									
1/18/2008	0	0	0	0	0	0	0	0	12,042,979									
1/19/2008	0	0	0	0	0	0	0	0	12,042,979									
1/20/2008	0	0	0	0	0	0	0	0	12,042,979									
1/21/2008	0	0	0	0	0	0	0	0	12,042,979									
1/22/2008	0	0	0	0	0	0	0	0	12,042,979									
1/23/2008	0	0	0	0	0	0	0	0	12,042,979									
1/24/2008	0	0	0	0	0	0	0	0	12,042,979									
1/25/2008	0	0	0	0	0	0	0	0	12,042,979									
1/26/2008	0	0	0	0	0	0	0	0	12,042,979									
1/27/2008	0	0	0	0	0	0	0	0	12,042,979									
1/28/2008	0	0	0	0	0	0	0	0	12,042,979									
1/29/2008	0	0	0	0	0	0	0	0	12,042,979									
1/30/2008	0	0	0	0	0	0	0	0	12,042,979									
1/31/2008	0	0	0	0	32,502	0	0	0	12,075,481	0	0	0	0	64,053	0	0	0	64,053

TABLE 7-2
LIQUID APPLICATION SUMMARY
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

	Liquid Applied by Trench (gallons)									Monthly Summary by Trench								
Date	1	2	3	4	5	6	7	8	Cumulative Total	1	2	3	4	5	6	7	8	Monthly Total
2/1/2008	0	0	0	0	0	0	0	0	12,075,481									
2/2/2008	0	0	0	0	0	0	0	0	12,075,481									
2/3/2008	0	0	0	0	0	0	0	0	12,075,481									
2/4/2008	0	0	0	0	32,779	0	0	0	12,108,260									
2/5/2008	0	0	0	23,982	0	0	0	0	12,132,242									
2/6/2008	0	0	0	0	0	0	0	33,027	12,165,269									
2/7/2008	0	0	0	0	31,105	0	0	0	12,196,374									
2/8/2008	0	0	0	0	0	0	0	0	12,196,374									
2/9/2008	0	0	0	0	0	0	0	0	12,196,374									
2/10/2008	0	0	0	0	0	0	0	0	12,196,374									
2/11/2008	0	0	0	0	0	0	0	0	12,196,374									
2/12/2008	0	0	0	0	24,324	0	0	0	12,220,698									
2/13/2008	0	0	0	0	0	0	0	0	12,220,698									
2/14/2008	0	0	0	0	0	0	0	0	12,220,698									
2/15/2008	0	0	0	0	0	0	0	0	12,220,698									
2/16/2008	0	0	0	0	0	0	0	0	12,220,698									
2/17/2008	0	0	0	0	0	0	0	0	12,220,698									
2/18/2008	0	0	0	0	0	0	0	0	12,220,698									
2/19/2008	0	0	0	0	31,463	0	0	0	12,252,161									
2/20/2008	0	0	0	0	13,681	0	19,381	0	12,285,223									
2/21/2008	0	0	0	0	12,112	0	17,098	0	12,314,433									
2/22/2008	0	0	0	0	0	0	0	0	12,314,433									
2/23/2008	0	0	0	0	0	0	0	0	12,314,433									
2/24/2008	0	0	0	0	0	0	0	0	12,314,433									
2/25/2008	0	0	0	0	26,941	0	0	0	12,341,374									
2/26/2008	0	0	0	0	0	21,441	0	0	12,362,815									
2/27/2008	0	0	0	0	0	0	0	0	12,362,815									
2/28/2008	0	0	0	0	0	22,172	0	0	12,384,987									
2/29/2008	0	0	0	0	0	0	15,357	11,230	12,411,574	0	0	0	23,982	172,405	43,613	51,836	44,257	336,093
3/1/2008	0	0	0	0	0	0	0	0	12,411,574									
3/2/2008	0	0	0	0	0	0	0	0	12,411,574									
3/3/2008	0	0	0	0	23,917	0	0	0	12,435,491									
3/4/2008	0	0	0	0	0	0	0	0	12,435,491									
3/5/2008	0	0	0	0	0	0	0	0	12,435,491									
3/6/2008	0	0	0	0	0	0	0	0	12,435,491									
3/7/2008	0	0	0	0	0	0	0	0	12,435,491									
3/8/2008	0	0	0	0	0	0	0	0	12,435,491									
3/9/2008	0	0	0	0	0	0	0	0	12,435,491									
3/10/2008	0	0	0	0	0	0	0	0	12,435,491									
3/11/2008	0	0	0	0	0	0	0	0	12,435,491									
3/12/2008	0	0	0	0	0	0	0	0	12,435,491									
3/13/2008	0	0	0	0	0	0	0	0	12,435,491									
3/14/2008	0	0	0	0	0	0	0	0	12,435,491									
3/15/2008	0	0	0	0	0	0	0	0	12,435,491									
3/16/2008	0	0	0	0	0	0	0	0	12,435,491									
3/17/2008	0	0	0	0	0	0	0	0	12,435,491									
3/18/2008	0	0	0	0	0	0	0	0	12,435,491									
3/19/2008	0	0	0	0	0	0	0	0	12,435,491									
3/20/2008	0	0	0	0	0	0	0	0	12,435,491									
3/21/2008	0	0	0	0	0	0	0	0	12,435,491									
3/22/2008	0	0	0	0	0	0	0	0	12,435,491									
3/23/2008	0	0	0	0	0	0	0	0	12,435,491									
3/24/2008	0	0	0	0	0	0	0	0	12,435,491									
3/25/2008	0	0	0	0	0	0	0	0	12,435,491									
3/26/2008	0	0	0	0	0	0	0	0	12,435,491									
3/27/2008	0	0	0	0	0	0	0	0	12,435,491									
3/28/2008	0	0	0	0	0	0	0	0	12,435,491									
3/29/2008	0	0	0	0	0	0	0	0	12,435,491									
3/30/2008	0	0	0	0	0	0	0	0	12,435,491									
3/31/2008	0	0	0	0	0	0	0	0	12,435,491	0	0	0	0	23,917	0	0	0	23,917
4/1/2008	0	0	0	0	0	0	0	0	12,435,491									
4/2/2008	0	0	0	0	0	0	0	0	12,435,491									
4/3/2008	0	0	0	0	0	0	0	0	12,435,491									
4/4/2008	0	0	0	0	0	0	0	0	12,435,491									
4/5/2008	0	0	0	0	0	0	0	0	12,435,491									
4/6/2008	0	0	0	0	0	0	0	0	12,435,491									
4/7/2008	0	0	0	0	0	0	0	0	12,435,491									
4/8/2008	0	0	0	0	0	0	0	0	12,435,491									
4/9/2008	0	0	0	0	0	0	0	0	12,435,491									
4/10/2008	0	0	0	0	0	0	0	0	12,435,491									
4/11/2008	0	0	0	0	0	0	0	0	12,435,491									
4/12/2008	0	0	0	0	0	0	0	0	12,435,491									
4/13/2008	0	0	0	0	0	0	0	0	12,435,491									
4/14/2008	0	0	0	0	0	0	0	0	12,435,491									
4/15/2008	0	0	0	0	0	0	0	0	12,435,491									
4/16/2008	0	0	0	0	0	0	0	0	12,435,491									
4/17/2008	0	0	0	0	0	0	0	0	12,435,491									
4/18/2008	0	0	0	0	0	0	0	0	12,435,491									
4/19/2008	0	0	0	0	0	0	0	0	12,435,491									
4/20/2008	0	0	0	0	0	0	0	0	12,435,491									
4/21/2008	0	0	0	0	0	0	0	0	12,435,491									
4/22/2008	0	0	0	0	0	0	0	0	12,435,491									
4/23/2008	0	0	0	0	0	0	0	0	12,435,491									
4/24/2008	0	0	0	0	0	0	0	0	12,435,491									
4/25/2008	0	0	0	0	0	0	0	0	12,435,491									
4/26/2008	0	0	0	0	0	0	0	0	12,435,491									
4/27/2008	0	0	0	0	0	0	0	0	12,435,491									
4/28/2008	0	0	0	0	0	0	0	0	12,435,491									
4/29/2008	0	0	0	0	0	0	0	0	12,435,491									
4/30/2008	0	0	0	0	0	0	0	0	12,435,491	0	0	0	0	0	0	0	0	0

TABLE 7-2
LIQUID APPLICATION SUMMARY
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

	Liquid Applied by Trench (gallons)									Monthly Summary by Trench								
Date	1	2	3	4	5	6	7	8	Cumulative Total	1	2	3	4	5	6	7	8	Monthly Total
5/1/2008	0	0	0	0	0	0	0	0	12,435,491									
5/2/2008	0	0	0	0	0	0	0	0	12,435,491									
5/3/2008	0	0	0	0	0	0	0	0	12,435,491									
5/4/2008	0	0	0	0	0	0	0	0	12,435,491									
5/5/2008	0	0	0	0	0	0	0	0	12,435,491									
5/6/2008	0	0	0	0	0	0	0	0	12,435,491									
5/7/2008	0	0	0	0	0	0	0	0	12,435,491									
5/8/2008	0	0	0	0	0	0	0	0	12,435,491									
5/9/2008	0	0	0	0	0	0	0	0	12,435,491									
5/10/2008	0	0	0	0	0	0	0	0	12,435,491									
5/11/2008	0	0	0	0	0	0	0	0	12,435,491									
5/12/2008	0	0	0	0	0	0	0	0	12,435,491									
5/13/2008	0	0	0	0	0	0	0	0	12,435,491									
5/14/2008	0	0	0	0	0	0	0	0	12,435,491									
5/15/2008	0	0	0	0	0	0	0	0	12,435,491									
5/16/2008	0	0	0	0	0	0	0	0	12,435,491									
5/17/2008	0	0	0	0	0	0	0	0	12,435,491									
5/18/2008	0	0	0	0	0	0	0	0	12,435,491									
5/19/2008	0	0	0	0	0	0	0	0	12,435,491									
5/20/2008	0	0	0	0	0	0	0	0	12,435,491									
5/21/2008	0	0	0	0	0	0	0	0	12,435,491									
5/22/2008	0	0	0	0	0	0	0	0	12,435,491									
5/23/2008	0	0	0	0	0	0	0	0	12,435,491									
5/24/2008	0	0	0	0	0	0	0	0	12,435,491									
5/25/2008	0	0	0	0	0	0	0	0	12,435,491									
5/26/2008	0	0	0	0	0	0	0	0	12,435,491									
5/27/2008	0	0	0	0	0	0	0	0	12,435,491									
5/28/2008	0	0	0	0	0	0	0	0	12,435,491									
5/29/2008	0	0	0	0	0	0	0	0	12,435,491									
5/30/2008	0	0	0	0	0	0	0	0	12,435,491									
5/31/2008	0	0	0	0	0	0	0	0	12,435,491	0	0	0	0	0	0	0	0	0
6/1/2008	0	0	0	0	0	0	0	0	12,435,491									
6/2/2008	0	0	0	0	0	0	0	0	12,435,491									
6/3/2008	0	0	0	0	0	0	0	0	12,435,491									
6/4/2008	0	0	0	0	0	0	0	0	12,435,491									
6/5/2008	0	0	0	0	0	0	0	0	12,435,491									
6/6/2008	0	0	0	0	0	0	0	0	12,435,491									
6/7/2008	0	0	0	0	0	0	0	0	12,435,491									
6/8/2008	0	0	0	0	0	0	0	0	12,435,491									
6/9/2008	0	0	0	0	0	0	0	0	12,435,491									
6/10/2008	0	0	0	0	0	0	0	0	12,435,491									
6/11/2008	0	0	0	0	0	0	0	0	12,435,491									
6/12/2008	0	0	0	0	0	0	0	0	12,435,491									
6/13/2008	0	0	0	0	0	0	0	0	12,435,491									
6/14/2008	0	0	0	0	0	0	0	0	12,435,491									
6/15/2008	0	0	0	0	0	0	0	0	12,435,491									
6/16/2008	0	0	0	0	0	0	0	0	12,435,491									
6/17/2008	0	0	0	0	0	0	0	0	12,435,491									
6/18/2008	0	0	0	0	0	0	0	0	12,435,491									
6/19/2008	0	0	0	0	0	0	0	0	12,435,491									
6/20/2008	0	0	0	0	0	0	0	0	12,435,491									
6/21/2008	0	0	0	0	0	0	0	0	12,435,491									
6/22/2008	0	0	0	0	0	0	0	0	12,435,491									
6/23/2008	0	0	0	0	0	0	0	0	12,435,491									
6/24/2008	0	0	0	0	0	0	0	0	12,435,491									
6/25/2008	0	0	0	0	0	0	0	0	12,435,491									
6/26/2008	0	0	0	0	0	0	0	0	12,435,491									
6/27/2008	0	0	0	0	0	0	0	0	12,435,491									
6/28/2008	0	0	0	0	0	0	0	0	12,435,491									
6/29/2008	0	0	0	0	0	0	0	0	12,435,491									
6/30/2008	0	0	0	0	0	0	0	0	12,435,491	0	0	0	0	0	0	0	0	0
7/1/2008	0	0	0	0	0	0	0	0	12,435,491									
7/2/2008	0	0	0	0	0	0	0	0	12,435,491									
7/3/2008	0	0	0	0	0	0	0	0	12,435,491									
7/4/2008	0	0	0	0	0	0	0	0	12,435,491									
7/5/2008	0	0	0	0	0	0	0	0	12,435,491									
7/6/2008	0	0	0	0	0	0	0	0	12,435,491									
7/7/2008	0	0	0	0	0	0	0	0	12,435,491									
7/8/2008	0	0	0	0	0	0	0	0	12,435,491									
7/9/2008	0	0	0	0	0	0	0	0	12,435,491									
7/10/2008	0	0	0	0	0	0	0	0	12,435,491									
7/11/2008	0	0	0	0	0	0	0	0	12,435,491									
7/12/2008	0	0	0	0	0	0	0	0	12,435,491									
7/13/2008	0	0	0	0	0	0	0	0	12,435,491									
7/14/2008	0	0	0	0	0	0	0	0	12,435,491									
7/15/2008	0	0	0	0	0	0	0	0	12,435,491									
7/16/2008	0	0	0	0	0	0	0	0	12,435,491									
7/17/2008	0	0	0	0	0	0	0	0	12,435,491									
7/18/2008	0	0	0	0	0	0	0	0	12,435,491									
7/19/2008	0	0	0	0	0	0	0	0	12,435,491									
7/20/2008	0	0	0	0	0	0	0	0	12,435,491									
7/21/2008	0	0	0	0	0	0	0	0	12,435,491									
7/22/2008	0	0	0	0	0	0	0	0	12,435,491									
7/23/2008	0	0	0	0	0	0	0	0	12,435,491									
7/24/2008	0	0	0	0	0	0	0	0	12,435,491									
7/25/2008	0	0	0	0	0	0	0	0	12,435,491									
7/26/2008	0	0	0	0	0	0	0	0	12,435,491									
7/27/2008	0	0	0	0	0	0	0	0	12,435,491									
7/28/2008	0	0	0	0	0	0	0	0	12,435,491									
7/29/2008	0	0	0	0	0	0	0	0	12,435,491									
7/30/2008	0	0	0	0	0	0	0	0	12,435,491									
7/31/2008	0	0	0	0	0	0	0	0	12,435,491	0	0	0	0	0	0	0	0	0

TABLE 7-2
LIQUID APPLICATION SUMMARY
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

	Liquid Applied by Trench (gallons)									Monthly Summary by Trench								
Date	1	2	3	4	5	6	7	8	Cumulative Total	1	2	3	4	5	6	7	8	Monthly Total
8/1/2008	0	0	0	0	0	0	0	0	12,435,491									
8/2/2008	0	0	0	0	0	0	0	0	12,435,491									
8/3/2008	0	0	0	0	0	0	0	0	12,435,491									
8/4/2008	0	0	0	0	0	0	0	0	12,435,491									
8/5/2008	0	0	0	0	0	0	0	0	12,435,491									
8/6/2008	0	0	0	0	0	0	0	0	12,435,491									
8/7/2008	0	0	0	0	0	0	0	0	12,435,491									
8/8/2008	0	0	0	0	0	0	0	0	12,435,491									
8/9/2008	0	0	0	0	0	0	0	0	12,435,491									
8/10/2008	0	0	0	0	0	0	0	0	12,435,491									
8/11/2008	0	0	0	0	0	0	0	0	12,435,491									
8/12/2008	0	0	0	0	0	0	0	0	12,435,491									
8/13/2008	0	0	0	0	0	0	0	0	12,435,491									
8/14/2008	0	0	0	0	0	0	0	0	12,435,491									
8/15/2008	0	0	0	0	0	0	0	0	12,435,491									
8/16/2008	0	0	0	0	0	0	0	0	12,435,491									
8/17/2008	0	0	0	0	0	0	0	0	12,435,491									
8/18/2008	0	0	0	0	0	0	0	0	12,435,491									
8/19/2008	0	0	0	0	0	0	0	0	12,435,491									
8/20/2008	0	0	0	0	0	0	0	0	12,435,491									
8/21/2008	0	0	0	0	0	0	0	0	12,435,491									
8/22/2008	0	0	0	0	0	0	0	0	12,435,491									
8/23/2008	0	0	0	0	0	0	0	0	12,435,491									
8/24/2008	0	0	0	0	0	0	0	0	12,435,491									
8/25/2008	0	0	0	0	0	0	0	0	12,435,491									
8/26/2008	0	0	0	0	0	0	0	0	12,435,491									
8/27/2008	0	0	0	0	0	0	0	0	12,435,491									
8/28/2008	0	0	0	0	0	0	0	0	12,435,491									
8/29/2008	0	0	0	0	0	0	0	0	12,435,491									
8/30/2008	0	0	0	0	0	0	0	0	12,435,491									
8/31/2008	0	0	0	0	0	0	0	0	12,435,491	0	0	0	0	0	0	0	0	0
9/1/2008	0	0	0	0	0	0	0	0	12,435,491									
9/2/2008	0	0	0	0	0	0	0	0	12,435,491									
9/3/2008	0	0	0	0	0	0	0	0	12,435,491									
9/4/2008	0	0	0	0	0	0	0	0	12,435,491									
9/5/2008	0	0	0	0	0	0	0	0	12,435,491									
9/6/2008	0	0	0	0	0	0	0	0	12,435,491									
9/7/2008	0	0	0	0	0	0	0	0	12,435,491									
9/8/2008	0	0	0	0	0	0	0	0	12,435,491									
9/9/2008	0	0	0	0	0	0	0	0	12,435,491									
9/10/2008	0	0	0	0	0	0	0	0	12,435,491									
9/11/2008	0	0	0	0	0	0	0	0	12,435,491									
9/12/2008	0	0	0	0	0	0	0	0	12,435,491									
9/13/2008	0	0	0	0	0	0	0	0	12,435,491									
9/14/2008	0	0	0	0	0	0	0	0	12,435,491									
9/15/2008	0	0	0	0	0	0	0	0	12,435,491									
9/16/2008	0	0	0	0	0	0	0	0	12,435,491									
9/17/2008	0	0	0	0	0	0	0	0	12,435,491									
9/18/2008	0	0	0	0	0	0	0	0	12,435,491									
9/19/2008	0	0	0	0	0	0	0	0	12,435,491									
9/20/2008	0	0	0	0	0	0	0	0	12,435,491									
9/21/2008	0	0	0	0	0	0	0	0	12,435,491									
9/22/2008	0	0	0	0	0	0	0	0	12,435,491									
9/23/2008	0	0	0	0	0	0	0	0	12,435,491									
9/24/2008	0	0	0	0	0	0	0	0	12,435,491									
9/25/2008	0	0	0	0	0	0	0	0	12,435,491									
9/26/2008	0	0	0	0	0	0	0	0	12,435,491									
9/27/2008	0	0	0	0	0	0	0	0	12,435,491									
9/28/2008	0	0	0	0	0	0	0	0	12,435,491									
9/29/2008	0	0	0	0	0	0	0	0	12,435,491									
9/30/2008	0	0	0	0	0	0	0	0	12,435,491	0	0	0	0	0	0	0	0	0
10/1/2008	0	0	0	0	0	0	0	0	12,435,491									
10/2/2008	0	0	0	0	0	0	0	0	12,435,491									
10/3/2008	0	0	0	0	0	0	0	0	12,435,491									
10/4/2008	0	0	0	0	0	0	0	0	12,435,491									
10/5/2008	0	0	0	0	0	0	0	0	12,435,491									
10/6/2008	0	0	0	0	0	0	0	0	12,435,491									
10/7/2008	0	0	0	0	0	0	0	0	12,435,491									
10/8/2008	0	0	0	0	0	0	0	0	12,435,491									
10/9/2008	0	0	0	0	0	0	0	0	12,435,491									
10/10/2008	0	0	0	0	0	0	0	0	12,435,491									
10/11/2008	0	0	0	0	0	0	0	0	12,435,491									
10/12/2008	0	0	0	0	0	0	0	0	12,435,491									
10/13/2008	0	0	0	0	0	0	0	0	12,435,491									
10/14/2008	0	0	0	0	0	0	0	0	12,435,491									
10/15/2008	0	0	0	0	0	0	0	0	12,435,491									
10/16/2008	0	0	0	0	0	0	0	0	12,435,491									
10/17/2008	0	0	0	0	0	0	0	0	12,435,491									
10/18/2008	0	0	0	0	0	0	0	0	12,435,491									
10/19/2008	0	0	0	0	0	0	0	0	12,435,491									
10/20/2008	0	0	0	0	0	0	0	0	12,435,491									
10/21/2008	0	0	0	0	0	0	0	0	12,435,491									
10/22/2008	0	0	0	0	0	0	0	0	12,435,491									
10/23/2008	0	0	0	0	0	0	0	0	12,435,491									
10/24/2008	0	0	0	0	0	0	0	0	12,435,491									
10/25/2008	0	0	0	0	0	0	0	0	12,435,491									
10/26/2008	0	0	0	0	0	0	0	0	12,435,491									
10/27/2008	0	0	0	0	0	0	0	0	12,435,491									
10/28/2008	0	0	0	0	0	0	0	0	12,435,491									
10/29/2008	0	0	0	0	0	0	0	0	12,435,491									
10/29/2008	0	0	0	0	0	0	0	0	12,435,491									
10/31/2008	0	0	0	0	0	0	0	0	12,435,491	0	0	0	0	0	0	0	0	0

TABLE 7-2
LIQUID APPLICATION SUMMARY
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

	Liquid Applied by Trench (gallons)									Monthly Summary by Trench								
Date	1	2	3	4	5	6	7	8	Cumulative Total	1	2	3	4	5	6	7	8	Monthly Total
11/1/2008	0	0	0	0	0	0	0	0	12,435,491									
11/2/2008	0	0	0	0	0	0	0	0	12,435,491									
11/3/2008	0	0	0	0	0	0	0	0	12,435,491									
11/4/2008	0	0	0	0	0	0	0	0	12,435,491									
11/5/2008	0	0	0	0	0	0	0	0	12,435,491									
11/6/2008	0	0	0	0	0	0	0	0	12,435,491									
11/7/2008	0	0	0	0	0	0	0	0	12,435,491									
11/8/2008	0	0	0	0	0	0	0	0	12,435,491									
11/9/2008	0	0	0	0	0	0	0	0	12,435,491									
11/10/2008	0	0	0	0	0	0	0	0	12,435,491									
11/11/2008	0	0	0	0	0	0	0	0	12,435,491									
11/12/2008	0	0	0	0	0	0	0	0	12,435,491									
11/13/2008	0	0	0	0	0	0	0	0	12,435,491									
11/14/2008	0	0	0	0	0	0	0	0	12,435,491									
11/15/2008	0	0	0	0	0	0	0	0	12,435,491									
11/16/2008	0	0	0	0	0	0	0	0	12,435,491									
11/17/2008	0	0	0	0	0	0	0	0	12,435,491									
11/18/2008	0	0	0	0	0	0	0	0	12,435,491									
11/19/2008	0	0	0	0	0	0	0	0	12,435,491									
11/20/2008	0	0	0	0	0	0	0	0	12,435,491									
11/21/2008	0	0	0	0	0	0	0	0	12,435,491									
11/22/2008	0	0	0	0	0	0	0	0	12,435,491									
11/23/2008	0	0	0	0	0	0	0	0	12,435,491									
11/24/2008	0	0	0	0	0	0	0	0	12,435,491									
11/25/2008	0	0	0	0	0	0	0	0	12,435,491									
11/26/2008	0	0	0	0	0	0	0	0	12,435,491									
11/27/2008	0	0	0	0	0	0	0	0	12,435,491									
11/28/2008	0	0	0	0	0	0	0	0	12,435,491									
11/29/2008	0	0	0	0	0	0	0	0	12,435,491									
11/30/2008	0	0	0	0	0	0	0	0	12,435,491	0	0	0	0	0	0	0	0	0
12/1/2008	0	0	0	0	0	0	0	0	12,435,491									
12/2/2008	0	0	0	0	0	0	0	0	12,435,491									
12/3/2008	0	0	0	0	0	0	0	0	12,435,491									
12/4/2008	0	0	0	0	0	0	0	0	12,435,491									
12/5/2008	0	0	0	0	0	0	0	0	12,435,491									
12/6/2008	0	0	0	0	0	0	0	0	12,435,491									
12/7/2008	0	0	0	0	0	0	0	0	12,435,491									
12/8/2008	0	0	0	0	0	0	0	0	12,435,491									
12/9/2008	0	0	0	0	0	0	0	0	12,435,491									
12/10/2008	0	0	0	0	0	0	0	0	12,435,491									
12/11/2008	0	0	0	0	0	0	0	0	12,435,491									
12/12/2008	0	0	0	0	0	0	0	0	12,435,491									
12/13/2008	0	0	0	0	0	0	0	0	12,435,491									
12/14/2008	0	0	0	0	0	0	0	0	12,435,491									
12/15/2008	0	0	0	0	0	0	0	0	12,435,491									
12/16/2008	0	0	0	0	0	0	0	0	12,435,491									
12/17/2008	0	0	0	0	0	0	0	0	12,435,491									
12/18/2008	0	0	0	0	0	0	0	0	12,435,491									
12/19/2008	0	0	0	0	0	0	0	0	12,435,491									
12/20/2008	0	0	0	0	0	0	0	0	12,435,491									
12/21/2008	0	0	0	0	0	0	0	0	12,435,491									
12/22/2008	0	0	0	0	0	0	0	0	12,435,491									
12/23/2008	0	0	0	0	0	0	0	0	12,435,491									
12/24/2008	0	0	0	0	0	0	0	0	12,435,491									
12/25/2008	0	0	0	0	0	0	0	0	12,435,491									
12/26/2008	0	0	0	0	0	0	0	0	12,435,491									
12/27/2008	0	0	0	0	0	0	0	0	12,435,491									
12/28/2008	0	0	0	0	0	0	0	0	12,435,491									
12/29/2008	0	0	0	0	0	0	0	0	12,435,491									
12/29/2008	0	0	0	0	0	0	0	0	12,435,491									
12/31/2008	0	0	0	0	0	0	0	0	12,435,491	0	0	0	0	0	0	0	0	0
1/1/2009	0	0	0	0	0	0	0	0	12,435,491									
1/2/2009	0	0	0	0	0	0	0	0	12,435,491									
1/3/2009	0	0	0	0	0	0	0	0	12,435,491									
1/4/2009	0	0	0	0	0	0	0	0	12,435,491									
1/5/2009	0	0	0	0	0	0	0	0	12,435,491									
1/6/2009	0	0	0	0	0	0	0	0	12,435,491									
1/7/2009	0	0	0	0	0	0	0	0	12,435,491									
1/8/2009	0	0	0	0	0	0	0	0	12,435,491									
1/9/2009	0	0	0	0	0	0	0	0	12,435,491									
1/10/2009	0	0	0	0	0	0	0	0	12,435,491									
1/11/2009	0	0	0	0	0	0	0	0	12,435,491									
1/12/2009	0	0	0	0	0	0	0	0	12,435,491									
1/13/2009	0	0	0	0	0	0	0	0	12,435,491									
1/14/2009	0	0	0	0	0	0	0	0	12,435,491									
1/15/2009	0	0	0	0	0	0	0	0	12,435,491									
1/16/2009	0	0	0	0	0	0	0	0	12,435,491									
1/17/2009	0	0	0	0	0	0	0	0	12,435,491									
1/18/2009	0	0	0	0	0	0	0	0	12,435,491									
1/19/2009	0	0	0	0	0	0	0	0	12,435,491									
1/20/2009	0	0	0	0	0	0	0	0	12,435,491									
1/21/2009	0	0	0	0	0	0	0	0	12,435,491									
1/22/2009	0	0	0	0	0	0	0	0	12,435,491									
1/23/2009	0	0	0	0	0	0	0	0	12,435,491									
1/24/2009	0	0	0	0	0	0	0	0	12,435,491									
1/25/2009	0	0	0	0	0	0	0	0	12,435,491									
1/26/2009	0	0	0	0	0	0	0	0	12,435,491									
1/27/2009	0	0	0	0	0	0	0	0	12,435,491									
1/28/2009	0	0	0	0	0	0	0	0	12,435,491									
1/29/2009	0	0	0	0	0	0	0	0	12,435,491									
1/30/2009	0	0	0	0	0	0	0	0	12,435,491									
1/31/2009	0	0	0	0	0	0	0	0	12,435,491	0	0	0	0	0	0	0	0	0

TABLE 7-2
LIQUID APPLICATION SUMMARY
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

	Liquid Applied by Trench (gallons)									Monthly Summary by Trench								
Date	1	2	3	4	5	6	7	8	Cumulative Total	1	2	3	4	5	6	7	8	Monthly Total
2/1/2009	0	0	0	0	0	0	0	0	12,435,491									
2/2/2009	0	0	0	0	0	0	0	0	12,435,491									
2/3/2009	0	0	0	0	0	0	0	0	12,435,491									
2/4/2009	0	0	0	0	0	0	0	0	12,435,491									
2/5/2009	0	0	0	0	0	0	0	0	12,435,491									
2/6/2009	0	0	0	0	0	0	0	0	12,435,491									
2/7/2009	0	0	0	0	0	0	0	0	12,435,491									
2/8/2009	0	0	0	0	0	0	0	0	12,435,491									
2/9/2009	0	0	0	0	0	0	0	0	12,435,491									
2/10/2009	0	0	0	0	0	0	0	0	12,435,491									
2/11/2009	0	0	0	0	0	0	0	0	12,435,491									
2/12/2009	0	0	0	0	0	0	0	0	12,435,491									
2/13/2009	0	0	0	0	0	0	0	0	12,435,491									
2/14/2009	0	0	0	0	0	0	0	0	12,435,491									
2/15/2009	0	0	0	0	0	0	0	0	12,435,491									
2/16/2009	0	0	0	0	0	0	0	0	12,435,491									
2/17/2009	0	0	0	0	0	0	0	0	12,435,491									
2/18/2009	0	0	0	0	0	0	0	0	12,435,491									
2/19/2009	0	0	0	0	0	0	0	0	12,435,491									
2/20/2009	0	0	0	0	0	0	0	0	12,435,491									
2/21/2009	0	0	0	0	0	0	0	0	12,435,491									
2/22/2009	0	0	0	0	0	0	0	0	12,435,491									
2/23/2009	0	0	0	0	0	0	0	0	12,435,491									
2/24/2009	0	0	0	0	0	0	0	0	12,435,491									
2/25/2009	0	0	0	0	0	0	0	0	12,435,491									
2/26/2009	0	0	0	0	0	0	0	0	12,435,491									
2/27/2009	0	0	0	0	0	0	0	0	12,435,491									
2/28/2009	0	0	0	0	0	0	0	0	12,435,491	0	0	0	0	0	0	0	0	0
3/1/2009	0	0	0	0	0	0	0	0	12,435,491									
3/2/2009	0	0	0	0	0	0	0	0	12,435,491									
3/3/2009	0	0	0	0	0	0	0	0	12,435,491									
3/4/2009	0	0	0	0	0	0	0	0	12,435,491									
3/5/2009	0	0	0	0	0	0	0	0	12,435,491									
3/6/2009	0	0	0	0	0	0	0	0	12,435,491									
3/7/2009	0	0	0	0	0	0	0	0	12,435,491									
3/8/2009	0	0	0	0	0	0	0	0	12,435,491									
3/9/2009	0	0	0	0	0	0	0	0	12,435,491									
3/10/2009	0	0	0	0	0	0	0	0	12,435,491									
3/11/2009	0	0	0	0	0	0	0	0	12,435,491									
3/12/2009	0	0	0	0	0	0	0	0	12,435,491									
3/13/2009	0	0	0	0	0	0	0	0	12,435,491									
3/14/2009	0	0	0	0	0	0	0	0	12,435,491									
3/15/2009	0	0	0	0	0	0	0	0	12,435,491									
3/16/2009	0	0	0	0	0	0	0	0	12,435,491									
3/17/2009	0	0	0	0	0	0	0	0	12,435,491									
3/18/2009	0	0	0	0	0	0	0	0	12,435,491									
3/19/2009	0	0	0	0	0	0	0	0	12,435,491									
3/20/2009	0	0	0	0	0	0	0	0	12,435,491									
3/21/2009	0	0	0	0	0	0	0	0	12,435,491									
3/22/2009	0	0	0	0	0	0	0	0	12,435,491									
3/23/2009	0	0	0	0	0	0	0	0	12,435,491									
3/24/2009	0	0	0	0	0	0	0	0	12,435,491									
3/25/2009	0	0	0	0	0	0	0	0	12,435,491									
3/26/2009	0	0	0	0	0	0	0	0	12,435,491									
3/27/2009	0	0	0	0	0	0	0	0	12,435,491									
3/28/2009	0	0	0	0	0	0	0	0	12,435,491									
3/29/2009	0	0	0	0	0	0	0	0	12,435,491									
3/30/2009	0	0	0	0	0	0	0	0	12,435,491									
3/31/2009	0	0	0	0	0	0	0	0	12,435,491	0	0	0	0	0	0	0	0	0
4/1/2009	0	0	0	0	0	0	0	0	12,435,491									
4/2/2009	0	0	0	0	0	0	0	0	12,435,491									
4/3/2009	0	0	0	0	0	0	0	0	12,435,491									
4/4/2009	0	0	0	0	0	0	0	0	12,435,491									
4/5/2009	0	0	0	0	0	0	0	0	12,435,491									
4/6/2009	0	0	0	0	0	0	0	0	12,435,491									
4/7/2009	0	0	0	0	0	0	0	0	12,435,491									
4/8/2009	0	0	0	0	0	0	0	0	12,435,491									
4/9/2009	0	0	0	0	0	0	0	0	12,435,491									
4/10/2009	0	0	0	0	0	0	0	0	12,435,491									
4/11/2009	0	0	0	0	0	0	0	0	12,435,491									
4/12/2009	0	0	0	0	0	0	0	0	12,435,491									
4/13/2009	0	0	0	0	0	0	0	0	12,435,491									
4/14/2009	0	0	0	0	0	0	0	0	12,435,491									
4/15/2009	0	0	0	0	0	0	0	0	12,435,491									
4/16/2009	0	0	0	0	0	0	0	0	12,435,491									
4/17/2009	0	0	0	0	0	0	0	0	12,435,491									
4/18/2009	0	0	0	0	0	0	0	0	12,435,491									
4/19/2009	0	0	0	0	0	0	0	0	12,435,491									
4/20/2009	0	0	0	0	0	0	0	0	12,435,491									
4/21/2009	0	0	0	0	0	0	0	0	12,435,491									
4/22/2009	0	0	0	0	0	0	0	0	12,435,491									
4/23/2009	0	0	0	0	0	0	0	0	12,435,491									
4/24/2009	0	0	0	0	0	0	0	0	12,435,491									
4/25/2009	0	0	0	0	0	0	0	0	12,435,491									
4/26/2009	0	0	0	0	0	0	0	0	12,435,491									
4/27/2009	0	0	0	0	0	0	0	0	12,435,491									
4/28/2009	0	0	0	0	0	0	0	0	12,435,491									
4/29/2009	0	0	0	0	0	0	0	0	12,435,491									
4/30/2009	0	0	0	0	0	0	0	0	12,435,491	0	0	0	0	0	0	0	0	0

TABLE 7-2
LIQUID APPLICATION SUMMARY
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

	Liquid Applied by Trench (gallons)									Monthly Summary by Trench								
Date	1	2	3	4	5	6	7	8	Cumulative Total	1	2	3	4	5	6	7	8	Monthly Total
5/1/2009	0	0	0	0	0	0	0	0	12,435,491									
5/2/2009	0	0	0	0	0	0	0	0	12,435,491									
5/3/2009	0	0	0	0	0	0	0	0	12,435,491									
5/4/2009	0	0	0	0	0	0	0	0	12,435,491									
5/5/2009	0	0	0	0	0	0	0	0	12,435,491									
5/6/2009	0	0	0	0	0	0	0	0	12,435,491									
5/7/2009	0	0	0	0	0	0	0	0	12,435,491									
5/8/2009	0	0	0	0	0	0	0	0	12,435,491									
5/9/2009	0	0	0	0	0	0	0	0	12,435,491									
5/10/2009	0	0	0	0	0	0	0	0	12,435,491									
5/11/2009	0	0	0	0	0	0	0	0	12,435,491									
5/12/2009	0	0	0	0	0	0	0	0	12,435,491									
5/13/2009	0	0	0	0	0	0	0	0	12,435,491									
5/14/2009	0	0	0	0	0	0	0	0	12,435,491									
5/15/2009	0	0	0	0	0	0	0	0	12,435,491									
5/16/2009	0	0	0	0	0	0	0	0	12,435,491									
5/17/2009	0	0	0	0	0	0	0	0	12,435,491									
5/18/2009	0	0	0	0	0	0	0	0	12,435,491									
5/19/2009	0	0	0	0	0	0	0	0	12,435,491									
5/20/2009	0	0	0	0	0	0	0	0	12,435,491									
5/21/2009	0	0	0	0	0	0	0	0	12,435,491									
5/22/2009	0	0	0	0	0	0	0	0	12,435,491									
5/23/2009	0	0	0	0	0	0	0	0	12,435,491									
5/24/2009	0	0	0	0	0	0	0	0	12,435,491									
5/25/2009	0	0	0	0	0	0	0	0	12,435,491									
5/26/2009	0	0	0	0	0	0	0	0	12,435,491									
5/27/2009	0	0	0	0	0	0	0	0	12,435,491									
5/28/2009	0	0	0	0	0	0	0	0	12,435,491									
5/29/2009	0	0	0	0	0	0	0	0	12,435,491									
5/30/2009	0	0	0	0	0	0	0	0	12,435,491									
5/31/2009	0	0	0	0	0	0	0	0	12,435,491	0	0	0	0	0	0	0	0	0
6/1/2009	0	0	0	0	0	0	0	0	12,435,491									
6/2/2009	0	0	0	0	0	0	0	0	12,435,491									
6/3/2009	0	0	0	0	0	0	0	0	12,435,491									
6/4/2009	0	0	0	0	0	0	0	0	12,435,491									
6/5/2009	0	0	0	0	0	0	0	0	12,435,491									
6/6/2009	0	0	0	0	0	0	0	0	12,435,491									
6/7/2009	0	0	0	0	0	0	0	0	12,435,491									
6/8/2009	0	0	0	0	0	0	0	0	12,435,491									
6/9/2009	0	0	0	0	0	0	0	0	12,435,491									
6/10/2009	0	0	0	0	0	0	0	0	12,435,491									
6/11/2009	0	0	0	0	0	0	0	0	12,435,491									
6/12/2009	0	0	0	0	0	0	0	0	12,435,491									
6/13/2009	0	0	0	0	0	0	0	0	12,435,491									
6/14/2009	0	0	0	0	0	0	0	0	12,435,491									
6/15/2009	0	0	0	0	0	0	0	0	12,435,491									
6/16/2009	0	0	0	0	0	0	0	0	12,435,491									
6/17/2009	0	0	0	0	0	0	0	0	12,435,491									
6/18/2009	0	0	0	0	0	0	0	0	12,435,491									
6/19/2009	0	0	0	0	0	0	0	0	12,435,491									
6/20/2009	0	0	0	0	0	0	0	0	12,435,491									
6/21/2009	0	0	0	0	0	0	0	0	12,435,491									
6/22/2009	0	0	0	0	0	0	0	0	12,435,491									
6/23/2009	0	0	0	0	0	0	0	0	12,435,491									
6/24/2009	0	0	0	0	0	0	0	0	12,435,491									
6/25/2009	0	0	0	0	0	0	0	0	12,435,491									
6/26/2009	0	0	0	0	0	0	0	0	12,435,491									
6/27/2009	0	0	0	0	0	0	0	0	12,435,491									
6/28/2009	0	0	0	0	0	0	0	0	12,435,491									
6/29/2009	0	0	0	0	0	0	0	0	12,435,491									
6/30/2009	0	0	0	0	0	0	0	0	12,435,491	0	0	0	0	0	0	0	0	0
7/1/2009	0	0	0	0	0	0	0	0	12,435,491									
7/2/2009	0	0	0	0	0	0	0	0	12,435,491									
7/3/2009	0	0	0	0	0	0	0	0	12,435,491									
7/4/2009	0	0	0	0	0	0	0	0	12,435,491									
7/5/2009	0	0	0	0	0	0	0	0	12,435,491									
7/6/2009	0	0	0	0	0	0	0	0	12,435,491									
7/7/2009	0	0	0	0	0	0	0	0	12,435,491									
7/8/2009	0	0	0	0	0	0	0	0	12,435,491									
7/9/2009	0	0	0	0	0	0	0	0	12,435,491									
7/10/2009	0	0	0	0	0	0	0	0	12,435,491									
7/11/2009	0	0	0	0	0	0	0	0	12,435,491									
7/12/2009	0	0	0	0	0	0	0	0	12,435,491									
7/13/2009	0	0	0	0	0	0	0	0	12,435,491									
7/14/2009	0	0	0	0	0	0	0	0	12,435,491									
7/15/2009	0	0	0	0	0	0	0	0	12,435,491									
7/16/2009	0	0	0	0	0	0	0	0	12,435,491									
7/17/2009	0	0	0	0	0	0	0	0	12,435,491									
7/18/2009	0	0	0	0	0	0	0	0	12,435,491									
7/19/2009	0	0	0	0	0	0	0	0	12,435,491									
7/20/2009	0	0	0	0	0	0	0	0	12,435,491									
7/21/2009	0	0	0	0	0	0	0	0	12,435,491									
7/22/2009	0	0	0	0	0	0	0	0	12,435,491									
7/23/2009	0	0	0	0	0	0	0	0	12,435,491									
7/24/2009	0	0	0	0	0	0	0	0	12,435,491									
7/25/2009	0	0	0	0	0	0	0	0	12,435,491									
7/26/2009	0	0	0	0	0	0	0	0	12,435,491									
7/27/2009	0	0	0	0	0	0	0	0	12,435,491									
7/28/2009	0	0	0	0	0	0	0	0	12,435,491									
7/29/2009	0	0	0	0	0	0	0	0	12,435,491									
7/30/2009	0	0	0	0	0	0	0	0	12,435,491									
7/31/2009	0	0	0	0	0	0	0	0	12,435,491	0	0	0	0	0	0	0	0	0

TABLE 7-2
LIQUID APPLICATION SUMMARY
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

	Liquid Applied by Trench (gallons)									Monthly Summary by Trench								
Date	1	2	3	4	5	6	7	8	Cumulative Total	1	2	3	4	5	6	7	8	Monthly Total
8/1/2009	0	0	0	0	0	0	0	0	12,435,491									
8/2/2009	0	0	0	0	0	0	0	0	12,435,491									
8/3/2009	0	0	0	0	0	0	0	0	12,435,491									
8/4/2009	0	0	0	0	0	0	0	0	12,435,491									
8/5/2009	0	0	0	0	0	0	0	0	12,435,491									
8/6/2009	0	0	0	0	0	0	0	0	12,435,491									
8/7/2009	0	0	0	0	0	0	0	0	12,435,491									
8/8/2009	0	0	0	0	0	0	0	0	12,435,491									
8/9/2009	0	0	0	0	0	0	0	0	12,435,491									
8/10/2009	0	0	0	0	0	0	0	0	12,435,491									
8/11/2009	0	0	0	0	0	0	0	0	12,435,491									
8/12/2009	0	0	0	0	0	0	0	0	12,435,491									
8/13/2009	0	0	0	0	0	0	0	0	12,435,491									
8/14/2009	0	0	0	0	0	0	0	0	12,435,491									
8/15/2009	0	0	0	0	0	0	0	0	12,435,491									
8/16/2009	0	0	0	0	0	0	0	0	12,435,491									
8/17/2009	0	0	0	0	0	0	0	0	12,435,491									
8/18/2009	0	0	0	0	0	0	0	0	12,435,491									
8/19/2009	0	0	0	0	0	0	0	0	12,435,491									
8/20/2009	0	0	0	0	0	0	0	0	12,435,491									
8/21/2009	0	0	0	0	0	0	0	0	12,435,491									
8/22/2009	0	0	0	0	0	0	0	0	12,435,491									
8/23/2009	0	0	0	0	0	0	0	0	12,435,491									
8/24/2009	0	0	0	0	0	0	0	0	12,435,491									
8/25/2009	0	0	0	0	0	0	0	0	12,435,491									
8/26/2009	0	0	0	0	0	0	0	0	12,435,491									
8/27/2009	0	0	0	0	0	0	0	0	12,435,491									
8/28/2009	0	0	0	0	0	0	0	0	12,435,491									
8/29/2009	0	0	0	0	0	0	0	0	12,435,491									
8/30/2009	0	0	0	0	0	0	0	0	12,435,491									
8/31/2009	0	0	0	0	0	0	0	0	12,435,491	0	0	0	0	0	0	0	0	0
9/1/2009	0	0	0	0	0	0	0	0	12,435,491									
9/2/2009	0	0	0	0	0	0	0	0	12,435,491									
9/3/2009	0	0	0	0	0	0	0	0	12,435,491									
9/4/2009	0	0	0	0	0	0	0	0	12,435,491									
9/5/2009	0	0	0	0	0	0	0	0	12,435,491									
9/6/2009	0	0	0	0	0	0	0	0	12,435,491									
9/7/2009	0	0	0	0	0	0	0	0	12,435,491									
9/8/2009	0	0	0	0	0	0	0	0	12,435,491									
9/9/2009	0	0	0	0	0	0	0	0	12,435,491									
9/10/2009	0	0	0	0	0	0	0	0	12,435,491									
9/11/2009	0	0	0	0	0	0	0	0	12,435,491									
9/12/2009	0	0	0	0	0	0	0	0	12,435,491									
9/13/2009	0	0	0	0	0	0	0	0	12,435,491									
9/14/2009	0	0	0	0	0	0	0	0	12,435,491									
9/15/2009	0	0	0	0	0	0	0	0	12,435,491									
9/16/2009	0	0	0	0	0	0	0	0	12,435,491									
9/17/2009	0	0	0	0	0	0	0	0	12,435,491									
9/18/2009	0	0	0	0	0	0	0	0	12,435,491									
9/19/2009	0	0	0	0	0	0	0	0	12,435,491									
9/20/2009	0	0	0	0	0	0	0	0	12,435,491									
9/21/2009	0	0	0	0	0	0	0	0	12,435,491									
9/22/2009	0	0	0	0	0	0	0	0	12,435,491									
9/23/2009	0	0	0	0	0	0	0	0	12,435,491									
9/24/2009	0	0	0	0	0	0	0	0	12,435,491									
9/25/2009	0	0	0	0	0	0	0	0	12,435,491									
9/26/2009	0	0	0	0	0	0	0	0	12,435,491									
9/27/2009	0	0	0	0	0	0	0	0	12,435,491									
9/28/2009	0	0	0	0	0	0	0	0	12,435,491									
9/29/2009	0	0	0	0	0	0	0	0	12,435,491									
9/30/2009	0	0	0	0	0	0	0	0	12,435,491	0	0	0	0	0	0	0	0	0
10/1/2009	0	0	0	0	0	0	0	0	12,435,491									
10/2/2009	0	0	0	0	0	0	0	0	12,435,491									
10/3/2009	0	0	0	0	0	0	0	0	12,435,491									
10/4/2009	0	0	0	0	0	0	0	0	12,435,491									
10/5/2009	0	0	0	0	0	0	0	0	12,435,491									
10/6/2009	0	0	0	0	0	0	0	0	12,435,491									
10/7/2009	0	0	0	0	0	0	0	0	12,435,491									
10/8/2009	0	0	0	0	0	0	0	0	12,435,491									
10/9/2009	0	0	0	0	0	0	0	0	12,435,491									
10/10/2009	0	0	0	0	0	0	0	0	12,435,491									
10/11/2009	0	0	0	0	0	0	0	0	12,435,491									
10/12/2009	0	0	0	0	0	0	0	0	12,435,491									
10/13/2009	0	0	0	0	0	0	0	0	12,435,491									
10/14/2009	0	0	0	0	0	0	0	0	12,435,491									
10/15/2009	0	0	0	0	0	0	0	0	12,435,491									
10/16/2009	0	0	0	0	0	0	0	0	12,435,491									
10/17/2009	0	0	0	0	0	0	0	0	12,435,491									
10/18/2009	0	0	0	0	0	0	0	0	12,435,491									
10/19/2009	0	0	0	0	0	0	0	0	12,435,491									
10/20/2009	0	0	0	0	0	0	0	0	12,435,491									
10/21/2009	0	0	0	0	0	0	0	0	12,435,491									
10/22/2009	0	0	0	0	0	0	0	0	12,435,491									
10/23/2009	0	0	0	0	0	0	0	0	12,435,491									
10/24/2009	0	0	0	0	0	0	0	0	12,435,491									
10/25/2009	0	0	0	0	0	0	0	0	12,435,491									
10/26/2009	0	0	0	0	0	0	0	0	12,435,491									
10/27/2009	0	0	0	0	0	0	0	0	12,435,491									
10/28/2009	0	0	0	0	0	0	0	0	12,435,491									
10/29/2009	0	0	0	0	0	0	0	0	12,435,491									
10/30/2009	0	0	0	0	0	0	0	0	12,435,491									
10/31/2009	0	0	0	0	0	0	0	0	12,435,491	0	0	0	0	0	0	0	0	0

TABLE 7-2
LIQUID APPLICATION SUMMARY
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

	Liquid Applied by Trench (gallons)									Monthly Summary by Trench								
Date	1	2	3	4	5	6	7	8	Cumulative Total	1	2	3	4	5	6	7	8	Monthly Total
11/1/2009	0	0	0	0	0	0	0	0	12,435,491									
11/2/2009	0	0	0	0	0	0	0	0	12,435,491									
11/3/2009	0	0	0	0	0	0	0	0	12,435,491									
11/4/2009	0	0	0	0	0	0	0	0	12,435,491									
11/5/2009	0	0	0	0	0	0	0	0	12,435,491									
11/6/2009	0	0	0	0	0	0	0	0	12,435,491									
11/7/2009	0	0	0	0	0	0	0	0	12,435,491									
11/8/2009	0	0	0	0	0	0	0	0	12,435,491									
11/9/2009	0	0	0	0	0	0	0	0	12,435,491									
11/10/2009	0	0	0	0	0	0	0	0	12,435,491									
11/11/2009	0	0	0	0	0	0	0	0	12,435,491									
11/12/2009	0	0	0	0	0	0	0	0	12,435,491									
11/13/2009	0	0	0	0	0	0	0	0	12,435,491									
11/14/2009	0	0	0	0	0	0	0	0	12,435,491									
11/15/2009	0	0	0	0	0	0	0	0	12,435,491									
11/16/2009	0	0	0	0	0	0	0	0	12,435,491									
11/17/2009	0	0	0	0	0	0	0	0	12,435,491									
11/18/2009	0	0	0	0	0	0	0	0	12,435,491									
11/19/2009	0	0	0	0	0	0	0	0	12,435,491									
11/20/2009	0	0	0	0	0	0	0	0	12,435,491									
11/21/2009	0	0	0	0	0	0	0	0	12,435,491									
11/22/2009	0	0	0	0	0	0	0	0	12,435,491									
11/23/2009	0	0	0	0	0	0	0	0	12,435,491									
11/24/2009	0	0	0	0	0	0	0	0	12,435,491									
11/25/2009	0	0	0	0	0	0	0	0	12,435,491									
11/26/2009	0	0	0	0	0	0	0	0	12,435,491									
11/27/2009	0	0	0	0	0	0	0	0	12,435,491									
11/28/2009	0	0	0	0	0	0	0	0	12,435,491									
11/29/2009	0	0	0	0	0	0	0	0	12,435,491									
11/30/2009	0	0	0	0	0	0	0	0	12,435,491	0	0	0	0	0	0	0	0	0
12/1/2009	0	0	0	0	0	0	0	0	12,435,491									
12/2/2009	0	0	0	0	0	0	0	0	12,435,491									
12/3/2009	0	0	0	0	0	0	0	0	12,435,491									
12/4/2009	0	0	0	0	0	0	0	0	12,435,491									
12/5/2009	0	0	0	0	0	0	0	0	12,435,491									
12/6/2009	0	0	0	0	0	0	0	0	12,435,491									
12/7/2009	0	0	0	0	0	0	0	0	12,435,491									
12/8/2009	0	0	0	0	0	0	0	0	12,435,491									
12/9/2009	0	0	0	0	0	0	0	0	12,435,491									
12/10/2009	0	0	0	0	0	0	0	0	12,435,491									
12/11/2009	0	0	0	0	0	0	0	0	12,435,491									
12/12/2009	0	0	0	0	0	0	0	0	12,435,491									
12/13/2009	0	0	0	0	0	0	0	0	12,435,491									
12/14/2009	0	0	0	0	0	0	0	0	12,435,491									
12/15/2009	0	0	0	0	0	0	0	0	12,435,491									
12/16/2009	0	0	0	0	0	0	0	0	12,435,491									
12/17/2009	0	0	0	0	0	0	0	0	12,435,491									
12/18/2009	0	0	0	0	0	0	0	0	12,435,491									
12/19/2009	0	0	0	0	0	0	0	0	12,435,491									
12/20/2009	0	0	0	0	0	0	0	0	12,435,491									
12/21/2009	0	0	0	0	0	0	0	0	12,435,491									
12/22/2009	0	0	0	0	0	0	0	0	12,435,491									
12/23/2009	0	0	0	0	0	0	0	0	12,435,491									
12/24/2009	0	0	0	0	0	0	0	0	12,435,491									
12/25/2009	0	0	0	0	0	0	0	0	12,435,491									
12/26/2009	0	0	0	0	0	0	0	0	12,435,491									
12/27/2009	0	0	0	0	0	0	0	0	12,435,491									
12/28/2009	0	0	0	0	0	0	0	0	12,435,491									
12/29/2009	0	0	0	0	0	0	0	0	12,435,491									
12/30/2009	0	0	0	0	0	0	0	0	12,435,491									
12/31/2009	0	0	0	0	0	0	0	0	12,435,491	0	0	0	0	0	0	0	0	0
1/1/2010	0	0	0	0	0	0	0	0	12,435,491									
1/2/2010	0	0	0	0	0	0	0	0	12,435,491									
1/3/2010	0	0	0	0	0	0	0	0	12,435,491									
1/4/2010	0	0	0	0	0	0	0	0	12,435,491									
1/5/2010	0	0	0	0	0	0	0	0	12,435,491									
1/6/2010	0	0	0	0	0	0	0	0	12,435,491									
1/7/2010	0	0	0	0	0	0	0	0	12,435,491									
1/8/2010	0	0	0	0	0	0	0	0	12,435,491									
1/9/2010	0	0	0	0	0	0	0	0	12,435,491									
1/10/2010	0	0	0	0	0	0	0	0	12,435,491									
1/11/2010	0	0	0	0	0	0	0	0	12,435,491									
1/12/2010	0	0	0	0	0	0	0	0	12,435,491									
1/13/2010	0	0	0	0	0	0	0	0	12,435,491									
1/14/2010	0	0	0	0	0	0	0	0	12,435,491									
1/15/2010	0	0	0	0	0	0	0	0	12,435,491									
1/16/2010	0	0	0	0	0	0	0	0	12,435,491									
1/17/2010	0	0	0	0	0	0	0	0	12,435,491									
1/18/2010	0	0	0	0	0	0	0	0	12,435,491									
1/19/2010	0	0	0	0	0	0	0	0	12,435,491									
1/20/2010	0	0	0	0	0	0	0	0	12,435,491									
1/21/2010	0	0	0	0	0	0	0	0	12,435,491									
1/22/2010	0	0	0	0	0	0	0	0	12,435,491									
1/23/2010	0	0	0	0	0	0	0	0	12,435,491									
1/24/2010	0	0	0	0	0	0	0	0	12,435,491									
1/25/2010	0	0	0	0	0	0	0	0	12,435,491									
1/26/2010	0	0	0	0	0	0	0	0	12,435,491									
1/27/2010	0	0	0	0	0	0	0	0	12,435,491									
1/28/2010	0	0	0	0	0	0	0	0	12,435,491									
1/29/2010	0	0	0	0	0	0	0	0	12,435,491									
1/30/2010	0	0	0	0	0	0	0	0	12,435,491									
1/31/2010	0	0	0	0	0	0	0	0	12,435,491	0	0	0	0	0	0	0	0	0

TABLE 7-2
LIQUID APPLICATION SUMMARY
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

	Liquid Applied by Trench (gallons)									Monthly Summary by Trench								
Date	1	2	3	4	5	6	7	8	Cumulative Total	1	2	3	4	5	6	7	8	Monthly Total
2/1/2010	0	0	0	0	0	0	0	0	12,435,491									
2/2/2010	0	0	0	0	0	0	0	0	12,435,491									
2/3/2010	0	0	0	0	0	0	0	0	12,435,491									
2/4/2010	0	0	0	0	0	0	0	0	12,435,491									
2/5/2010	0	0	0	0	0	0	0	0	12,435,491									
2/6/2010	0	0	0	0	0	0	0	0	12,435,491									
2/7/2010	0	0	0	0	0	0	0	0	12,435,491									
2/8/2010	0	0	0	0	0	0	0	0	12,435,491									
2/9/2010	0	0	0	0	0	0	0	0	12,435,491									
2/10/2010	0	0	0	0	0	0	0	0	12,435,491									
2/11/2010	0	0	0	0	0	0	0	0	12,435,491									
2/12/2010	0	0	0	0	0	0	0	0	12,435,491									
2/13/2010	0	0	0	0	0	0	0	0	12,435,491									
2/14/2010	0	0	0	0	0	0	0	0	12,435,491									
2/15/2010	0	0	0	0	0	0	0	0	12,435,491									
2/16/2010	0	0	0	0	0	0	0	0	12,435,491									
2/17/2010	0	0	0	0	0	0	0	0	12,435,491									
2/18/2010	0	0	0	0	0	0	0	0	12,435,491									
2/19/2010	0	0	0	0	0	0	0	0	12,435,491									
2/20/2010	0	0	0	0	0	0	0	0	12,435,491									
2/21/2010	0	0	0	0	0	0	0	0	12,435,491									
2/22/2010	0	0	0	0	0	0	0	0	12,435,491									
2/23/2010	0	0	0	0	0	0	0	0	12,435,491									
2/24/2010	0	0	0	0	0	0	0	0	12,435,491									
2/25/2010	0	0	0	0	0	0	0	0	12,435,491									
2/26/2010	0	0	0	0	0	0	0	0	12,435,491									
2/27/2010	0	0	0	0	0	0	0	0	12,435,491									
2/28/2010	0	0	0	0	0	0	0	0	12,435,491	0	0	0	0	0	0	0	0	0
3/1/2010	0	0	0	0	0	0	0	0	12,435,491									
3/2/2010	0	0	0	0	0	0	0	0	12,435,491									
3/3/2010	0	0	0	0	0	0	0	0	12,435,491									
3/4/2010	0	0	0	0	0	0	0	0	12,435,491									
3/5/2010	0	0	0	0	0	0	0	0	12,435,491									
3/6/2010	0	0	0	0	0	0	0	0	12,435,491									
3/7/2010	0	0	0	0	0	0	0	0	12,435,491									
3/8/2010	0	0	0	0	0	0	0	0	12,435,491									
3/9/2010	0	0	0	0	0	0	0	0	12,435,491									
3/10/2010	0	0	0	0	0	0	0	0	12,435,491									
3/11/2010	0	0	0	0	0	0	0	0	12,435,491									
3/12/2010	0	0	0	0	0	0	0	0	12,435,491									
3/13/2010	0	0	0	0	0	0	0	0	12,435,491									
3/14/2010	0	0	0	0	0	0	0	0	12,435,491									
3/15/2010	0	0	0	0	0	0	0	0	12,435,491									
3/16/2010	0	0	0	0	0	0	0	0	12,435,491									
3/17/2010	0	0	0	0	0	0	0	0	12,435,491									
3/18/2010	0	0	0	0	0	0	0	0	12,435,491									
3/19/2010	0	0	0	0	0	0	0	0	12,435,491									
3/20/2010	0	0	0	0	0	0	0	0	12,435,491									
3/21/2010	0	0	0	0	0	0	0	0	12,435,491									
3/22/2010	0	0	0	0	0	0	0	0	12,435,491									
3/23/2010	0	0	0	0	0	0	0	0	12,435,491									
3/24/2010	0	0	0	0	0	0	0	0	12,435,491									
3/25/2010	0	0	0	0	0	0	0	0	12,435,491									
3/26/2010	0	0	0	0	0	0	0	0	12,435,491									
3/27/2010	0	0	0	0	0	0	0	0	12,435,491									
3/28/2010	0	0	0	0	0	0	0	0	12,435,491									
3/29/2010	0	0	0	0	0	0	0	0	12,435,491									
3/30/2010	0	0	0	0	0	0	0	0	12,435,491									
3/31/2010	0	0	0	0	0	0	0	0	12,435,491	0	0	0	0	0	0	0	0	0
4/1/2010	0	0	0	0	0	0	0	0	12,435,491									
4/2/2010	0	0	0	0	0	0	0	0	12,435,491									
4/3/2010	0	0	0	0	0	0	0	0	12,435,491									
4/4/2010	0	0	0	0	0	0	0	0	12,435,491									
4/5/2010	0	0	0	0	0	0	0	0	12,435,491									
4/6/2010	0	0	0	0	0	0	0	0	12,435,491									
4/7/2010	0	0	0	0	0	0	0	0	12,435,491									
4/8/2010	0	0	0	0	0	0	0	0	12,435,491									
4/9/2010	0	0	0	0	0	0	0	0	12,435,491									
4/10/2010	0	0	0	0	0	0	0	0	12,435,491									
4/11/2010	0	0	0	0	0	0	0	0	12,435,491									
4/12/2010	0	0	0	0	0	0	0	0	12,435,491									
4/13/2010	0	0	0	0	0	0	0	0	12,435,491									
4/14/2010	0	0	0	0	0	0	0	0	12,435,491									
4/15/2010	0	0	0	0	0	0	0	0	12,435,491									
4/16/2010	0	0	0	0	0	0	0	0	12,435,491									
4/17/2010	0	0	0	0	0	0	0	0	12,435,491									
4/18/2010	0	0	0	0	0	0	0	0	12,435,491									
4/19/2010	0	0	0	0	0	0	0	0	12,435,491									
4/20/2010	0	0	0	0	0	0	0	0	12,435,491									
4/21/2010	0	0	0	0	0	0	0	0	12,435,491									
4/22/2010	0	0	0	0	0	0	0	0	12,435,491									
4/23/2010	0	0	0	0	0	0	0	0	12,435,491									
4/24/2010	0	0	0	0	0	0	0	0	12,435,491									
4/25/2010	0	0	0	0	0	0	0	0	12,435,491									
4/26/2010	0	0	0	0	0	0	0	0	12,435,491									
4/27/2010	0	0	0	0	0	0	0	0	12,435,491									
4/28/2010	0	0	0	0	0	0	0	0	12,435,491									
4/29/2010	0	0	0	0	0	0	0	0	12,435,491									
4/30/2010	0	0	0	0	0	0	0	0	12,435,491	0	0	0	0	0	0	0	0	0

TABLE 7-2
LIQUID APPLICATION SUMMARY
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

	Liquid Applied by Trench (gallons)									Monthly Summary by Trench								
Date	1	2	3	4	5	6	7	8	Cumulative Total	1	2	3	4	5	6	7	8	Monthly Total
5/1/2010	0	0	0	0	0	0	0	0	12,435,491									
5/2/2010	0	0	0	0	0	0	0	0	12,435,491									
5/3/2010	0	0	0	0	0	0	0	0	12,435,491									
5/4/2010	0	0	0	0	0	0	0	0	12,435,491									
5/5/2010	0	0	0	0	0	0	0	0	12,435,491									
5/6/2010	0	0	0	0	0	0	0	0	12,435,491									
5/7/2010	0	0	0	0	0	0	0	0	12,435,491									
5/8/2010	0	0	0	0	0	0	0	0	12,435,491									
5/9/2010	0	0	0	0	0	0	0	0	12,435,491									
5/10/2010	0	0	0	0	0	0	0	0	12,435,491									
5/11/2010	0	0	0	0	0	0	0	0	12,435,491									
5/12/2010	0	0	0	0	0	0	0	0	12,435,491									
5/13/2010	0	0	0	0	0	0	0	0	12,435,491									
5/14/2010	0	0	0	0	0	0	0	0	12,435,491									
5/15/2010	0	0	0	0	0	0	0	0	12,435,491									
5/16/2010	0	0	0	0	0	0	0	0	12,435,491									
5/17/2010	0	0	0	0	0	0	0	0	12,435,491									
5/18/2010	0	0	0	0	0	0	0	0	12,435,491									
5/19/2010	0	0	0	0	0	0	0	0	12,435,491									
5/20/2010	0	0	0	0	0	0	0	0	12,435,491									
5/21/2010	0	0	0	0	0	0	0	0	12,435,491									
5/22/2010	0	0	0	0	0	0	0	0	12,435,491									
5/23/2010	0	0	0	0	0	0	0	0	12,435,491									
5/24/2010	0	0	0	0	0	0	0	0	12,435,491									
5/25/2010	0	0	0	0	0	0	0	0	12,435,491									
5/26/2010	0	0	0	0	0	0	0	0	12,435,491									
5/27/2010	0	0	0	0	0	0	0	0	12,435,491									
5/28/2010	0	0	0	0	0	0	0	0	12,435,491									
5/29/2010	0	0	0	0	0	0	0	0	12,435,491									
5/30/2010	0	0	0	0	0	0	0	0	12,435,491									
5/31/2010	0	0	0	0	0	0	0	0	12,435,491	0	0	0	0	0	0	0	0	0
6/1/2010	0	0	0	0	0	0	0	0	12,435,491									
6/2/2010	0	0	0	0	0	0	0	0	12,435,491									
6/3/2010	0	0	0	0	0	0	0	0	12,435,491									
6/4/2010	0	0	0	0	0	0	0	0	12,435,491									
6/5/2010	0	0	0	0	0	0	0	0	12,435,491									
6/6/2010	0	0	0	0	0	0	0	0	12,435,491									
6/7/2010	0	0	0	0	0	0	0	0	12,435,491									
6/8/2010	0	0	0	0	0	0	0	0	12,435,491									
6/9/2010	0	0	0	0	0	0	0	0	12,435,491									
6/10/2010	0	0	0	0	0	0	0	0	12,435,491									
6/11/2010	0	0	0	0	0	0	0	0	12,435,491									
6/12/2010	0	0	0	0	0	0	0	0	12,435,491									
6/13/2010	0	0	0	0	0	0	0	0	12,435,491									
6/14/2010	0	0	0	0	0	0	0	0	12,435,491									
6/15/2010	0	0	0	0	0	0	0	0	12,435,491									
6/16/2010	0	0	0	0	0	0	0	0	12,435,491									
6/17/2010	0	0	0	0	0	0	0	0	12,435,491									
6/18/2010	0	0	0	0	0	0	0	0	12,435,491									
6/19/2010	0	0	0	0	0	0	0	0	12,435,491									
6/20/2010	0	0	0	0	0	0	0	0	12,435,491									
6/21/2010	0	0	0	0	0	0	0	0	12,435,491									
6/22/2010	0	0	0	0	0	0	0	0	12,435,491									
6/23/2010	0	0	0	0	0	0	0	0	12,435,491									
6/24/2010	0	0	0	0	0	0	0	0	12,435,491									
6/25/2010	0	0	0	0	0	0	0	0	12,435,491									
6/26/2010	0	0	0	0	0	0	0	0	12,435,491									
6/27/2010	0	0	0	0	0	0	0	0	12,435,491									
6/28/2010	0	0	0	0	0	0	0	0	12,435,491									
6/29/2010	0	0	0	0	0	0	0	0	12,435,491									
6/30/2010	0	0	0	0	0	0	0	0	12,435,491	0	0	0	0	0	0	0	0	0

Total per trench	883,949	476,929	652,199	1,393,743	7,666,707	108,826	547,911	705,227	Total Leachate Recirculated	12,435,491
Daily Average	308	166	227	546	3,004	64	324	417	Total Daily Average	4,331

All units are in gallons

TABLE 8
SUMMARY OF LANDFILL SETTLEMENT DATA
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

Point No.	Northing	Easting	FINISH TRASH ELEV	Elev 3/27/07	Elev 7/9/07	Elev 11/13/07	Elev 2/7/08	Elev 4/8/08	Elev 7/16/08	Elev 10/30/08	Elev 1/15/09	Elev 4/15/09	Elev 7/14/09	Elev 10/2/09	Elev 1/15/10	Elev 4/5/10	Difference in grade 10/2/09 to 4/5/2010
Control Area																	
1004	3,635,349.73	11,610,244.17	488.31	480.08	479.90	479.61	479.39	479.15	479.10	478.88	478.55	478.42	478.09	477.87	477.65	477.49	-0.39
1005	3,635,448.00	11,610,262.56	488.97	478.04	477.58	477.12	476.81	476.51	476.21	477.23	476.84	476.84	476.39	476.23	475.96	475.81	-0.42
1006	3,635,546.31	11,610,280.96	490.34	481.33	481.04	480.52	480.20	480.05	479.84	479.46	479.09	479.11	478.67	478.55	478.30	478.13	-0.42
1007	3,635,644.56	11,610,299.35	491.77	482.08	481.84	481.41	481.26	481.05	480.82	480.40	480.19	480.09	479.68	479.36	479.26	479.05	-0.31
1008	3,635,742.79	11,610,317.74	493.49	480.61	480.27	480.16	479.91	479.80	479.67	479.36	479.08	479.14	478.80	478.71	478.66	478.60	-0.11
1018	3,635,662.70	11,610,201.04	487.06	479.46	479.27	478.93	478.70	478.57	478.74	478.48	478.14	478.04	477.78	477.53	477.50	477.37	-0.16
1019	3,635,564.34	11,610,182.66	485.60	478.02	477.82	477.59	477.35	477.20	477.02	476.87	476.59	476.54	476.32	476.23	476.07	475.98	-0.25
1020	3,635,466.17	11,610,164.24	484.24	475.74	475.60	475.37	475.14	475.06	474.94	474.79	474.53	474.58	474.36	474.27	474.25	474.13	-0.15
1021	3,635,367.83	11,610,145.87	483.50	475.54	475.44	475.12	474.91	474.83	474.71	474.45	474.14	474.22	473.93	473.65	473.86	473.73	0.07
1022	3,635,269.54	11,610,127.55	482.83	476.36	476.32	476.05	475.92	475.71	475.59	475.33	475.02	474.98	474.60	474.48	474.30	473.99	-0.49
1023	3,635,171.30	11,610,109.13	482.55	476.18	476.23	475.98	475.86	475.78	475.72	475.51	475.32	475.37	475.14	475.34	475.04	474.88	-0.46
1024	3,635,189.69	11,610,010.81	477.50	472.56	472.36	471.97	471.71	471.48	471.32	471.04	470.67	470.62	470.35	470.44	470.19	469.84	-0.59
1025	3,635,091.34	11,609,992.34	477.55	471.45	471.23	470.97	470.74	470.58	470.50	470.28	470.01	469.99	469.69	469.88	469.61	469.45	-0.44
1026	3,635,288.00	11,610,029.13	478.11	472.26	472.07	471.45	471.14	470.95	470.79	470.46	470.13	470.14	469.80	469.50	469.44	469.29	-0.21
1027	3,635,386.32	11,610,047.53	478.75	473.30	473.19	472.70	472.56	472.41	472.26	472.04	471.77	471.81	471.44	471.12	471.38	471.18	0.06
1028	3,635,484.54	11,610,066.03	479.54	474.86	474.72	474.43	474.20	474.17	473.96	473.79	473.49	473.56	473.21	472.91	473.22	473.18	0.26
1029	3,635,582.91	11,610,084.37	480.85	475.71	475.52	475.19	474.95	474.87	474.71	474.42	474.10	474.14	473.89	473.61	473.62	473.52	-0.10
1030	3,635,681.10	11,610,102.80	482.36	475.84	475.76	475.52	475.39	475.27	475.08	474.85	474.59	474.66	474.37	474.15	474.23	474.15	0.00
1041	3,635,699.44	11,610,004.53	477.69	471.05	470.71	470.52	470.30	470.19	469.98	469.77	469.54	469.57	469.33	469.03	468.99	469.02	-0.01
1042	3,635,601.14	11,609,986.14	476.05	473.04	472.81	472.50	472.32	472.22	472.01	471.88	471.61	471.62	471.49	471.17	471.23	471.14	-0.03
1043	3,635,502.84	11,609,967.77	474.98	472.29	472.12	471.75	471.55	471.44	471.52	471.31	471.02	471.02	470.76	470.54	470.68	470.53	0.00
1044	3,635,404.59	11,609,949.32	474.17	472.40	472.34	472.02	471.83	471.74	471.56	471.44	471.16	471.15	470.88	470.76	470.75	470.65	-0.11
1045	3,635,306.31	11,609,930.87	473.41	470.59	470.46	470.15	469.97	469.87	469.63	469.47	469.13	469.13	468.79	468.70	468.54	468.33	-0.36
1046	3,635,208.01	11,609,912.58	472.63	469.19	469.01	468.72	468.51	468.37	468.27	468.06	467.77	467.77	467.55	467.69	467.28	467.11	-0.57
1047	3,635,109.73	11,609,894.15	472.45	468.21	468.08	467.78	467.59	467.45	467.28	467.06	466.75	466.81	466.51	466.66	466.22	466.11	-0.55
1048	3,635,011.39	11,609,875.70	472.15	468.70	468.55	468.22	468.02	467.81	467.71	467.32	467.02	466.98	466.69	466.75	466.44	466.21	-0.55
1049	3,635,029.78	11,609,777.38	467.00	464.66	464.41	464.08	463.87	463.73	463.60	463.34	463.00	463.06	462.82	462.91	462.60	462.48	-0.43
1050	3,635,128.05	11,609,795.71	467.29	464.70	464.50	464.21	463.98	463.81	463.58	463.39	463.06	463.18	462.72	462.88	462.45	462.23	-0.65
1051	3,635,226.37	11,609,814.18	467.83	466.43	466.08	465.82	465.59	465.20	465.05	464.92	464.54	464.53	464.28	464.42	464.02	463.81	-0.61
1052	3,635,324.67	11,609,832.49	468.64	468.76	468.65	468.43	468.28	468.17	467.91	467.83	467.49	467.57	467.41	467.60	467.28	467.14	-0.47
1053	3,635,422.98	11,609,850.93	469.46	470.06	469.94	469.73	469.43	469.39	469.25	469.18	468.86	468.94	468.72	468.47	468.60	468.51	0.05
1054	3,635,521.22	11,609,869.39	470.28	468.78	468.73	468.41	468.16	468.08	467.91	467.76	467.51	467.48	467.27	466.99	467.17	467.03	0.03
1055	3,635,619.61	11,609,887.68	471.30	469.23	469.15	468.70	468.55	468.30	468.08	467.82	467.60	467.68	467.42	467.12	467.17	467.09	-0.03
1056	3,635,717.83	11,609,906.15	473.01	466.36	466.28	465.98	465.73	465.65	465.53	465.30	465.20	465.26	464.86	464.77	464.66	464.64	-0.13

TABLE 8
SUMMARY OF LANDFILL SETTLEMENT DATA
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

Point No.	Northing	Easting	FINISH TRASH ELEV	Elev 3/27/07	Elev 7/9/07	Elev 11/13/07	Elev 2/7/08	Elev 4/8/08	Elev 7/16/08	Elev 10/30/08	Elev 1/15/09	Elev 4/15/09	Elev 7/14/09	Elev 10/2/09	Elev 1/15/10	Elev 4/5/10	Difference in grade 10/2/09 to 4/5/2010
Control Area																	
1067	3,635,736.32	11,609,807.82	468.30	463.17	462.92	462.70	462.71	462.18	462.03	461.74	461.40	461.64	461.49	461.37	461.55	461.32	-0.04
1068	3,635,638.08	11,609,789.37	466.59	464.88	464.64	464.40	464.22	463.70	463.59	463.22	463.14	463.03	462.77	462.45	462.55	462.38	-0.07
1069	3,635,539.79	11,609,770.95	465.35	465.23	464.92	464.73	464.48	464.20	464.07	463.72	463.57	463.57	463.30	463.05	463.16	462.99	-0.07
1070	3,635,441.45	11,609,752.58	464.55	465.98	465.67	465.50	465.28	465.03	464.97	464.68	464.50	464.51	464.31	464.22	464.21	464.07	-0.15
1071	3,635,343.15	11,609,734.20	463.75	465.63	465.37	465.33	465.11	464.90	464.77	464.58	464.26	464.35	464.12	464.30	464.07	463.87	-0.44
1072	3,635,244.85	11,609,715.82	463.03	463.58	463.30	462.96	462.78	462.51	462.33	461.79	461.62	461.61	461.29	461.47	461.07	460.78	-0.69
1073	3,635,146.56	11,609,697.41	462.39	460.77	460.35	460.01	459.76	459.52	459.26	458.81	458.41	458.32	458.00	458.06	457.62	457.38	-0.68
1074	3,635,048.25	11,609,679.00	462.10	460.45	460.13	459.69	459.50	459.27	459.04	458.72	458.36	458.36	457.99	458.04	457.64	457.46	-0.58
1075	3,635,066.63	11,609,580.65	457.07	455.59	455.38	454.95	454.78	454.58	454.35	454.10	453.87	453.82	453.47	453.61	453.26	453.05	-0.56
1076	3,635,164.92	11,609,599.02	457.55	457.13	456.99	456.65	456.47	456.26	456.11	455.75	455.41	455.44	455.23	455.29	454.86	454.73	-0.56
1077	3,635,263.23	11,609,617.48	458.16	459.55	459.32	459.00	458.68	458.60	458.44	458.02	457.63	457.60	457.26	457.47	457.03	456.83	-0.64
1078	3,635,361.52	11,609,635.86	458.91	461.06	460.84	460.56	460.36	460.14	460.08	459.66	459.36	459.41	459.18	459.29	459.03	458.81	-0.47
1079	3,635,459.84	11,609,654.19	459.66	461.37	461.26	460.90	460.74	460.56	460.43	460.05	459.82	459.84	459.55	459.30	459.40	459.26	-0.04
1080	3,635,558.09	11,609,672.62	460.40	460.17	459.97	459.58	459.39	459.26	459.05	458.78	458.57	458.57	458.28	458.06	458.01	457.78	-0.28
1081	3,635,656.40	11,609,691.02	461.87	460.02	459.76	459.19	458.90	458.66	458.24	457.89	457.60	457.59	457.18	456.88	456.92	456.77	-0.11
1094	3,635,674.74	11,609,592.74	457.11	455.80	455.78	455.22	455.14	454.61	454.42	454.20	453.97	453.99	453.65	453.56	453.37	453.21	-0.35
1095	3,635,576.47	11,609,574.29	455.47	455.29	455.03	454.51	454.28	454.12	453.87	453.51	453.28	453.43	453.02	452.74	452.87	452.73	-0.01
1096	3,635,478.15	11,609,555.97	454.68	455.43	455.15	454.79	454.67	454.50	454.39	454.03	453.79	453.79	453.56	453.40	453.30	453.15	-0.25
1097	3,635,379.86	11,609,537.48	453.95	455.29	455.15	454.71	454.72	454.57	454.49	454.00	453.85	453.79	453.58	453.70	453.29	453.15	-0.56
1098	3,635,281.56	11,609,519.19	453.39	454.42	454.04	453.73	453.62	453.52	453.50	452.93	452.64	452.62	452.40	452.56	452.17	451.98	-0.58
1099	3,635,183.28	11,609,500.81	452.83	453.96	453.60	453.00	452.85	452.64	452.43	451.98	451.66	451.59	451.23	na	450.87	450.35	na
1100	3,635,084.97	11,609,482.37	452.26	442.06	441.87	441.57	441.52	441.35	441.26	441.08	440.89	440.82	440.56	na	440.41	440.28	na
1101	3,635,092.33	11,609,443.10	450.37	435.99	435.71	435.40	435.41	435.35	435.27	435.02	434.92	434.85	434.72	na	434.61	434.13	na
1103	3,635,201.68	11,609,402.49	445.81	--	434.39	434.23	434.13	434.06	433.94	433.93	433.82	433.77	433.59	na	433.50	433.37	na
1104	3,635,299.97	11,609,420.80	447.04	445.79	445.57	445.33	445.25	445.14	445.06	444.75	444.59	444.57	444.43	na	444.21	444.02	na
1105	3,635,398.26	11,609,439.26	448.29	449.86	449.39	449.13	449.05	449.18	449.07	448.66	448.66	448.37	448.24	448.40	448.02	447.91	-0.49
1106	3,635,496.53	11,609,457.76	449.54	450.26	450.21	449.73	449.70	449.51	449.33	449.13	448.92	448.95	448.67	448.42	448.39	448.18	-0.24
1107	3,635,594.83	11,609,476.11	450.64	450.43	450.27	449.71	449.52	449.28	448.96	448.61	448.36	448.38	448.11	448.02	447.81	447.72	-0.30
1108	3,635,693.11	11,609,494.53	452.33	450.03	449.93	449.42	449.32	449.08	448.89	448.69	448.58	448.60	448.27	448.11	448.22	448.05	-0.07
1121	3,635,711.48	11,609,396.28	446.90	445.89	445.65	445.23	445.13	444.80	444.58	444.25	444.12	444.07	443.87	443.62	443.65	443.63	0.01
1122	3,635,613.24	11,609,377.78	444.69	446.62	446.37	446.00	445.88	445.68	445.46	445.05	444.80	444.93	444.55	444.46	444.39	444.16	-0.31
1123	3,635,514.93	11,609,359.43	442.33	443.24	442.84	442.70	442.65	442.47	442.34	442.04	442.05	441.98	441.75	441.47	441.51	441.42	-0.06
1124	3,635,416.63	11,609,341.06	439.30	433.75	434.70	433.51	433.37	433.40	433.36	433.15	433.08	433.15	432.95	432.63	433.00	433.06	0.44
1125	3,635,629.81	11,609,289.23	436.26	438.93	438.65	438.37	438.34	438.15	437.95	437.61	437.33	437.31	437.16	437.07	436.81	436.79	-0.28
1126	3,635,729.92	11,609,297.95	441.15	442.58	442.50	442.11	441.98	441.80	441.73	441.40	441.21	441.20	440.96	440.64	440.73	440.66	0.02

TABLE 8
SUMMARY OF LANDFILL SETTLEMENT DATA
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

Point No.	Northing	Easting	FINISH TRASH ELEV	Elev 3/27/07	Elev 7/9/07	Elev 11/13/07	Elev 2/7/08	Elev 4/8/08	Elev 7/16/08	Elev 10/30/08	Elev 1/15/09	Elev 4/15/09	Elev 7/14/09	Elev 10/2/09	Elev 1/15/10	Elev 4/5/10	Difference in grade 10/2/09 to 4/5/2010
Test Area																	
1009	3,635,841.19	11,610,336.14	495.22	481.54	481.19	480.95	480.79	480.61	480.46	480.14	479.86	479.97	479.55	479.39	479.33	479.20	-0.19
1010	3,635,939.49	11,610,354.55	496.94	481.12	480.88	480.39	480.07	479.83	479.47	479.14	478.72	478.77	478.33	478.08	477.93	477.79	-0.29
1011	3,636,037.73	11,610,372.92	498.66	482.53	482.06	481.34	481.01	480.74	480.35	479.93	479.62	479.51	479.07	478.79	478.62	478.46	-0.33
1012	3,636,135.89	11,610,391.31	500.32	486.05	485.96	485.52	485.41	485.08	484.79	484.41	484.04	483.93	483.53	483.41	483.10	482.81	-0.60
1013	3,636,154.20	11,610,293.02	495.65	483.07	482.89	482.61	482.53	482.42	482.29	482.07	481.89	481.91	481.59	481.27	481.48	481.32	0.05
1014	3,636,056.01	11,610,274.63	493.93	482.29	481.91	481.64	481.42	481.28	481.08	480.75	480.54	480.36	480.00	479.78	479.78	479.68	-0.11
1015	3,635,957.68	11,610,256.23	492.21	480.15	479.68	479.48	479.29	479.08	478.88	478.58	478.29	478.47	477.84	477.75	477.75	477.65	-0.10
1016	3,635,859.38	11,610,237.82	490.48	479.55	479.42	479.34	479.24	479.01	478.83	478.63	478.33	478.15	477.94	477.64	477.85	477.81	0.17
1017	3,635,761.00	11,610,219.44	488.77	480.97	480.72	480.53	480.37	480.23	480.06	479.74	479.53	479.50	479.18	478.88	478.92	478.91	0.03
1031	3,635,779.51	11,610,121.17	484.07	475.40	475.44	475.18	475.07	474.98	474.73	474.50	474.25	474.17	473.93	473.61	473.78	473.72	0.11
1032	3,635,877.83	11,610,139.57	485.78	477.38	477.33	477.21	477.08	476.99	476.86	476.63	476.39	476.37	476.09	475.97	476.04	475.94	-0.03
1033	3,635,976.12	11,610,157.96	487.49	478.24	478.00	477.93	477.89	477.69	477.53	477.26	477.08	477.06	476.65	476.35	476.68	476.54	0.20
1034	3,636,074.38	11,610,176.37	489.20	478.69	478.46	478.35	478.26	478.25	478.26	477.91	477.71	477.76	477.63	477.54	477.52	477.46	-0.07
1035	3,636,172.64	11,610,194.76	490.91	474.13	473.87	473.76	473.89	473.70	473.70	473.47	473.23	473.09	472.92	472.70	472.78	472.71	0.02
1036	3,636,190.94	11,610,096.48	486.24	469.94	469.91	469.72	469.66	469.65	469.55	469.38	469.14	469.35	469.21	469.12	469.07	469.02	-0.10
1037	3,636,092.58	11,610,078.09	484.53	474.08	474.09	473.78	473.68	473.62	473.37	473.18	472.93	473.01	472.78	472.50	472.50	472.44	-0.06
1038	3,635,994.28	11,610,059.72	482.82	472.15	471.95	471.67	471.36	471.48	471.22	470.99	470.58	470.69	470.35	470.10	470.02	469.97	-0.13
1039	3,635,896.02	11,610,041.31	481.11	472.54	472.45	472.24	472.11	472.01	471.85	471.63	471.41	471.46	471.16	471.04	471.00	470.93	-0.11
1040	3,635,797.72	11,610,022.91	479.40	470.63	470.62	470.25	470.09	470.09	469.97	469.76	469.41	469.46	469.33	469.24	469.06	469.12	-0.12
1057	3,635,816.15	11,609,924.54	474.73	464.72	464.68	464.32	464.25	464.36	463.99	463.89	463.63	463.81	463.53	463.37	463.40	463.23	-0.14
1058	3,635,914.40	11,609,942.95	476.44	467.38	467.53	467.28	467.35	467.25	467.18	467.08	466.98	466.95	466.73	466.43	466.57	466.57	0.14
1059	3,636,012.73	11,609,961.33	478.16	468.87	468.74	468.34	468.37	468.46	467.74	467.59	467.18	467.28	467.05	466.96	466.80	466.68	-0.28
1060	3,636,111.00	11,609,979.74	479.88	470.68	470.62	470.30	470.03	469.99	469.69	469.60	469.41	469.44	469.22	469.10	468.86	468.72	-0.39
1061	3,636,209.35	11,609,998.10	481.58	466.85	466.76	466.63	466.57	466.52	466.36	466.31	466.17	466.27	466.09	465.93	465.98	465.95	0.02
1062	3,636,227.79	11,609,899.79	476.87	463.08	462.94	462.78	462.75	462.69	462.60	462.30	462.18	462.25	461.95	461.70	461.75	461.62	-0.08
1063	3,636,129.59	11,609,881.36	475.16	465.69	465.46	464.99	464.80	464.68	464.49	464.18	463.88	463.95	463.50	463.41	463.35	463.21	-0.19
1064	3,636,031.25	11,609,862.99	473.44	467.29	466.98	466.53	466.38	466.08	465.72	465.36	464.91	464.84	464.33	464.11	463.90	463.62	-0.49
1065	3,635,932.97	11,609,844.58	471.72	463.84	463.76	463.53	463.42	463.30	463.16	462.79	462.62	462.62	462.32	462.00	461.98	461.81	-0.19
1066	3,635,834.57	11,609,826.23	470.00	460.67	460.46	460.29	460.17	460.08	459.94	459.78	459.69	459.69	459.50	459.41	459.27	459.17	-0.24
1082	3,635,754.73	11,609,709.37	463.58	460.39	460.36	459.98	459.88	459.64	459.43	459.21	459.06	459.08	458.85	458.69	458.73	458.56	-0.13
1083	3,635,853.02	11,609,727.79	465.29	456.86	456.95	456.69	456.68	456.64	456.63	456.31	456.30	456.30	456.18	455.93	456.09	455.97	0.04

TABLE 8
SUMMARY OF LANDFILL SETTLEMENT DATA
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

Point No.	Northing	Easting	FINISH TRASH ELEV	Elev 3/27/07	Elev 7/9/07	Elev 11/13/07	Elev 2/7/08	Elev 4/8/08	Elev 7/16/08	Elev 10/30/08	Elev 1/15/09	Elev 4/15/09	Elev 7/14/09	Elev 10/2/09	Elev 1/15/10	Elev 4/5/10	Difference in grade 10/2/09 to 4/5/2010
Test Area																	
1084	3,635,951.27	11,609,746.21	466.99	461.03	461.00	460.69	460.56	460.45	460.33	460.14	460.09	460.16	459.84	459.75	459.74	459.61	-0.14
1085	3,636,049.55	11,609,764.61	468.70	461.60	461.65	461.18	461.14	460.74	460.64	460.55	460.31	460.38	460.12	459.84	460.12	459.90	0.06
1086	3,636,147.94	11,609,782.97	470.41	461.28	461.23	460.94	460.85	460.76	460.60	460.48	460.35	460.21	460.18	460.09	460.20	460.06	-0.03
1087	3,636,246.13	11,609,801.40	472.13	460.79	460.66	460.46	460.35	460.29	460.13	460.01	459.90	459.93	459.72	459.50	459.51	459.50	0.00
1088	3,636,264.49	11,609,703.13	467.33	461.21	461.27	461.18	461.11	461.15	461.17	460.94	460.93	461.04	460.80	460.50	460.83	460.77	0.26
1089	3,636,166.21	11,609,684.72	465.68	458.72	458.65	458.34	458.30	458.17	457.98	457.58	457.40	457.33	456.92	456.83	456.63	456.40	-0.42
1090	3,636,067.97	11,609,666.29	463.98	455.28	455.38	455.04	454.92	454.97	454.80	454.59	454.50	454.68	454.35	454.23	454.28	454.18	-0.06
1091	3,635,969.64	11,609,647.92	462.27	453.70	453.59	452.96	453.07	453.06	452.93	452.65	452.55	452.56	452.34	452.18	452.30	452.11	-0.07
1092	3,635,871.35	11,609,629.52	460.56	453.33	453.21	453.03	453.14	453.13	453.04	452.80	452.77	453.20	452.73	452.64	452.70	452.75	0.11
1093	3,635,773.00	11,609,611.20	458.84	456.13	455.96	455.79	455.71	455.45	455.26	455.13	455.07	455.10	454.91	454.59	454.69	454.66	0.07
1109	3,635,791.40	11,609,512.91	454.05	450.53	450.29	450.05	449.92	449.68	449.48	449.40	449.27	449.25	449.17	448.89	449.03	448.94	0.05
1110	3,635,889.74	11,609,531.28	455.78	449.22	449.08	448.42	448.36	448.20	448.06	447.76	447.62	447.52	447.37	447.25	447.10	446.94	-0.31
1111	3,635,988.07	11,609,549.63	457.51	448.89	448.98	448.53	448.41	448.46	448.36	448.00	447.82	447.94	447.73	447.43	447.63	447.51	0.07
1112	3,636,086.37	11,609,568.01	459.24	452.24	451.92	451.80	451.75	451.79	451.72	451.29	451.30	451.66	451.27	451.18	451.11	451.02	-0.16
1113	3,636,184.68	11,609,586.40	460.95	452.23	452.36	452.02	451.92	451.90	451.82	451.55	451.42	451.58	451.37	451.12	451.32	451.20	0.09
1114	3,636,282.85	11,609,604.89	461.20	456.83	456.71	456.66	456.69	456.71	456.70	456.54	456.50	456.58	456.34	456.22	456.44	456.27	0.04
1115	3,636,301.28	11,609,506.56	455.34	451.41	451.30	451.30	451.29	451.27	451.26	451.13	451.00	451.19	450.91	450.69	450.73	450.63	-0.06
1116	3,636,202.99	11,609,488.15	456.19	448.05	447.88	447.10	447.10	447.21	447.11	446.83	446.88	446.86	446.85	446.53	446.84	446.72	0.19
1117	3,636,104.71	11,609,469.78	454.46	446.74	446.59	447.60	447.30	447.35	447.11	446.78	446.76	446.92	446.69	446.39	446.68	446.64	0.24
1118	3,636,006.39	11,609,451.41	452.73	447.10	447.62	447.05	447.18	447.05	446.99	446.78	446.73	446.94	446.71	446.49	446.57	446.42	-0.06
1119	3,635,908.14	11,609,432.94	451.00	443.96	444.12	443.80	443.83	443.72	444.00	443.56	443.61	443.79	443.54	443.26	443.46	443.34	0.08
1120	3,635,809.87	11,609,414.54	448.91	445.99	445.88	445.69	445.59	445.33	445.29	445.23	445.18	445.33	445.10	445.01	445.03	444.98	-0.03
1127	3,635,828.22	11,609,316.33	443.08	439.56	439.39	439.48	439.55	439.82	439.76	439.54	439.45	439.76	439.61	439.45	439.64	439.45	0.00
1128	3,635,926.52	11,609,334.68	444.35	440.76	440.57	440.35	440.37	440.48	440.29	440.16	440.14	440.15	439.99	439.77	439.77	439.74	-0.03
1129	3,636,024.81	11,609,353.11	446.94	444.91	444.80	444.58	444.72	444.60	444.61	444.38	444.29	444.52	444.39	444.14	444.29	444.19	0.05
1130	3,636,123.13	11,609,371.52	449.53	--	444.03	443.82	444.01	443.98	443.79	443.70	443.57	443.86	443.60	443.28	443.57	443.49	0.21
1131	3,636,221.45	11,609,389.88	451.41	--	--	445.24	445.08	445.10	445.05	444.84	444.72	444.91	444.73	444.45	444.68	444.62	0.17
1132	3,636,319.64	11,609,408.34	449.36	444.34	444.34	443.87	443.72	443.71	443.64	443.36	443.09	443.57	443.18	443.02	443.02	442.91	-0.11
1133	3,636,337.98	11,609,310.06	442.26	443.22	443.34	443.06	443.06	443.01	442.98	442.95	442.86	443.08	442.80	442.52	442.88	442.72	0.20
1134	3,636,239.72	11,609,291.66	444.64	446.34	446.23	445.99	445.93	445.79	445.69	445.40	445.15	445.36	444.90	444.60	444.63	444.43	-0.17
1135	3,636,141.46	11,609,273.23	442.38	446.32	446.25	446.08	445.98	445.95	445.70	445.63	445.40	445.39	445.22	445.00	444.87	444.73	-0.27
1136	3,636,043.11	11,609,254.88	440.58	444.10	444.08	444.03	444.09	444.01	444.04	443.96	443.75	444.03	443.88	443.58	443.86	443.74	0.16

TABLE 9
RAINFALL DATA SUMMARY
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

Year	Month	Precipitation (2)	Average Precipitation (1)	Departure from Normal
2010	January	4.64	3.55	1.09
	February	2.82	2.98	-0.16
	March	6.17	4.09	2.08
	April	1.59	3.18	-1.59
	May	2.62	3.96	-1.34
	June	0.82	3.54	-2.72
	July			
	August			
	September			
	October			
	November			
	December			
	Total			

Notes:
(1) Average precipitation is based on historical average for 37 degrees 30 minutes north latitude and 77 degrees 20 minutes west longitude.
(2) The 2010 totals for precipitation are based on data collected at 37 degrees 30 minutes north latitude and 77 degrees 20 minutes west longitude.
(3) rainfall data was obtained from http://mi.nws.noaa.gov/climate/index.php?wfo=akq

TABLE 10
SUMMARY OF WASTE CHARACTERIZATION DATA
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

2001 Test Results

	Sample Date	Location	Depth (ft)	Moisture (%)	VS (%)	Cellulose (%)	Lignin (%)	Cell/Lig Ratio	pH (Field)	BMP (mL/g)
Control Area	8/7/2001	Control-1	0-10	31.57	46.36	28.13	22.1	1.27	5.5	73.03
					48.94	26.62	22.2	1.20		71.98
					45.40					69.86
	8/7/2001	Control-1	10-20	40.72	57.93	30.31	21.7	1.40	5.5	69.08
					50.16	27.86	21	1.33		76.15
					57.92					76.44
	8/7/2001	Control-1	20-30	33.16	55.12	38.72	15.50	2.50	5.8	71.56
					62.96	31.33	15.00	2.09		87.68
					35.33					85.19
	8/7/2001	Control-1	30-40	38.47	59.26	31.58	25.00	1.26	7.8	79.45
					52.16	29.16	28.90	1.01		82.94
					61.08					80.67
	8/7/2001	Control-2	0-10	34.72	50.13	27.79	16.60	1.67	5.8	70.58
					53.26	35.11	16.90	2.08		76.51
					47.55					77.80
	8/7/2001	Control-2	10-20	40.05	45.61	30.19	20.40	1.48	5.5	68.75
					46.31	36.68	18.10	2.03		75.78
					45.96					75.34
	8/7/2001	Control-2	20-30	41.83	47.98	30.42	19.10	1.59	6.7	78.75
					48.18	30.50	18.30	1.67		76.23
					48.64					78.51
	8/7/2001	Control-2	30-40	52.70	73.51	35.62	24.80	1.44	8.2	98.48
					75.16	36.63	25.70	1.43		101.18
					75.05					105.73
Test Area	5/11/2001	Bio 1	0-10	42.56	76.57	-	31.70	-	5.7	83.18
					75.24	29.50	28.70	1.03		117.79
					75.86					175.70
	5/11/2001	Bio 1	10-20	39.80	62.15	25.01	19.50	1.28	7.7	69.46
					85.41 *	22.56	19.30	1.17		106.17
					61.47					65.85
	5/11/2001	Bio 1	20-30	33.62	47.83	19.00	20.40	0.93	5.3	134.09
					53.86	23.00	20.40	1.13		84.04
					51.18					121.08
	5/11/2001	Bio 1	30-40	37.20	71.67	33.77	28.80	1.17	5.6	90.47
					76.08	25.30	27.10	0.93		118.13
					71.20					104.92
	5/10/2001	Bio 2	0-10	28.75	78.03	32.87	24.40	1.35	5.8	115.60
					76.90	36.58	23.90	1.53		93.32
					78.52					112.01
	5/10/2001	Bio 2	10-20	51.20	61.91	22.74	22.50	1.01	8.4	85.83
					67.41	23.07	22.10	1.04		134.03
					62.31					174.36
	5/10/2001	Bio 2	20-30	40.56	67.96	26.36	22.40	1.18	8.2	78.18
					68.32	27.10	24.60	1.10		86.14
					70.42					50.74
	5/10/2001	Bio 2	30-40	27.80	69.90	34.22	22.90	1.49	7.5	38.61
					71.24	29.04	25.00	1.16		43.11
					68.27					31.50
	5/10/2001	Bio 3	0-10	39.86	78.94	36.38	25.20	1.44	5.3	19.12
					49.19 *	32.61	27.60	1.18		18.72
					79.46					38.36
	5/10/2001	Bio 3	10-20	38.59	62.23	36.15	17.60	2.05	8.5	98.93
					60.58	37.58	16.10	2.33		51.21
					63.07					119.14
	5/10/2001	Bio 3	20-30	38.46	81.44	39.96	24.70	1.62	5.5	101.60
					78.17	39.48	23.70	1.67		95.59
					80.78					40.51
	5/10/2001	Bio 3	30-40	32.80	74.58	39.80	18.40	2.16	6.2	109.92
					75.85	41.00	18.70	2.19		104.25
					73.58					189.83

TABLE 10
SUMMARY OF WASTE CHARACTERIZATION DATA - continued
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

January 2004 Test Results

	Sample Date	Location	Depth (ft)	Moisture (%)	VS (%)	Cellulose (%)	Lignin (%)	Cell/Lig Ratio	pH (Field)	BMP (mL/g)
Control Area	1/11/2004	Control 1	0-10	36.86	67.58	34.97	22.23	1.57	6.23	
	1/11/2004	Control 1	10-20	34.33	74.11	30.06	27.13	1.11	6.21	
	1/11/2004	Control 1	20-30	43.85	19.27	1.48	9.12	0.16	8.12	
	1/11/2004	Control 1	30-40	42.70	36.17	7.05	15.26	0.46	7.30	
	1/11/2004	Control 2	0-10	52.55	51.08	22.36	28.11	0.80	6.62	
	1/11/2004	Control 2	10-20	27.54	19.97	6.36	7.13	0.89	6.42	
	1/11/2004	Control 2	20-30	36.41	76.61	30.18	30.00	1.01	6.11	
	1/11/2004	Control 2	30-40	39.83	47.11	17.78	14.86	1.20	6.40	
Test Area	1/11/2004	Test 1	0-10	50.72	50.88	26.88	17.71	1.52	7.11	
	1/11/2004	Test 1	10-20	30.55	66.56	23.01	26.29	0.88	6.07	
	1/11/2004	Test 1	20-30	44.93	62.26	19.68	28.83	0.68	8.95	
	1/11/2004	Test 1	30-40	33.85	63.46	26.93	22.18	1.21	5.80	
	1/11/2004	Test 2	0-10	47.61	38.91	18.40	15.86	1.16	7.00	
	1/11/2004	Test 2	10-20	57.16	58.28	12.28	31.54	0.39	8.77	
	1/11/2004	Test 2	20-30	36.74	85.83	34.39	24.85	1.38	6.44	
	1/11/2004	Test 2	30-40	37.19	69.65	18.17	29.76	0.61	5.82	
	1/11/2004	Test 3	0-10	39.79	49.09	15.69	24.00	0.65	7.92	
	1/11/2004	Test 3	10-20	50.12	35.34	7.63	21.10	0.36	8.58	
	1/11/2004	Test 3	20-30	44.68	58.38	20.76	20.43	1.02	6.37	
	1/11/2004	Test 3	30-40	26.24	22.70	0.94	9.13	0.10	8.20	

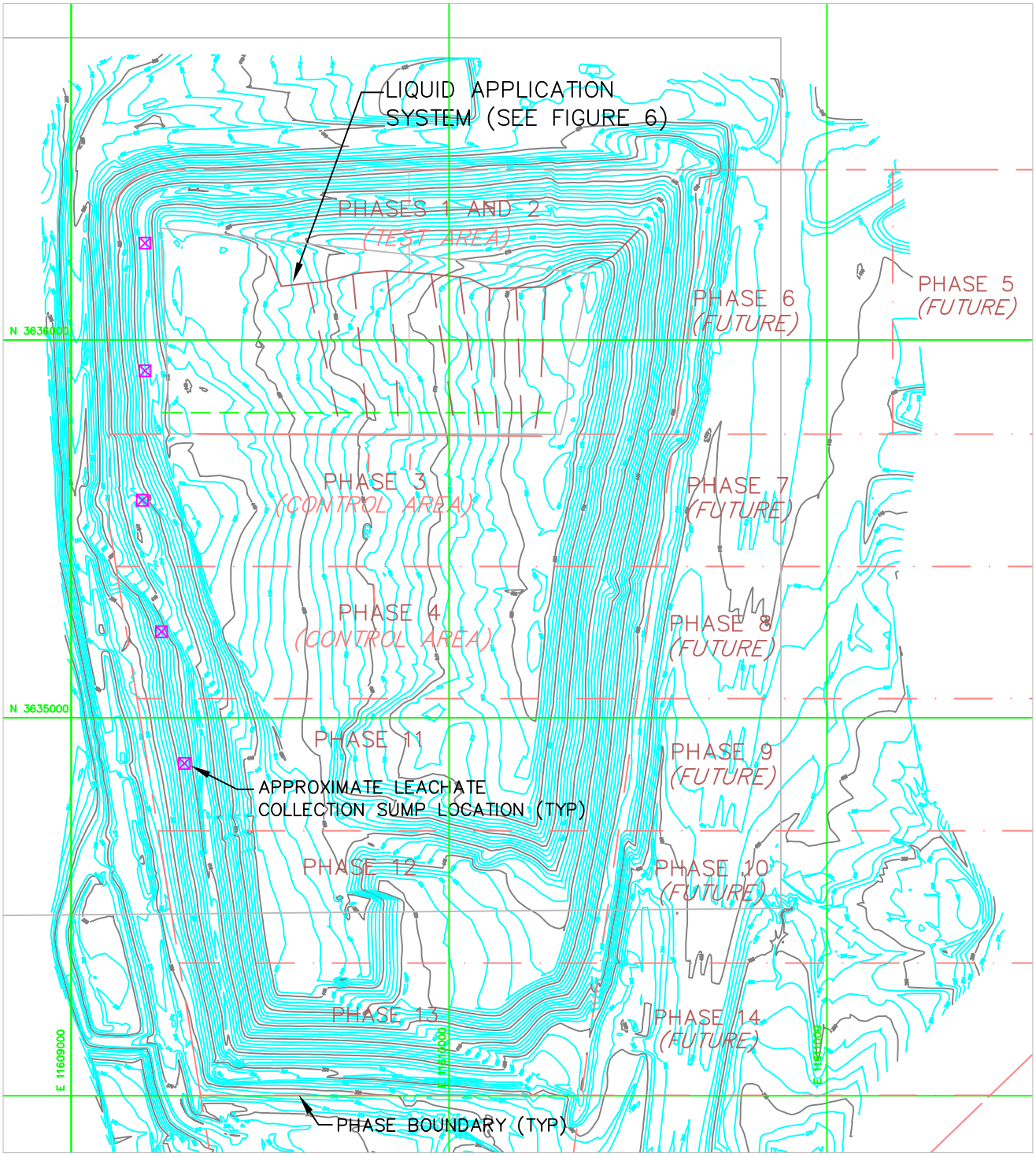
TABLE 10
SUMMARY OF WASTE CHARACTERIZATION DATA - continued
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

November 2005 Test Results

	Sample Date	Location	Depth (ft)	Moisture (%)	VS (%)	Cellulose (%)	Lignin (%)	Cell/Lig Ratio	pH (Field)	BMP (mL/g)
Control Area	11/14/2005	Control 1	0-10	32.59	63.90	22.76	20.20	1.13	6.08	
	11/14/2005	Control 1	10-20	41.24	54.31	11.55	29.25	0.39	7.35	
	11/14/2005	Control 1	20-30	42.18	17.35	2.59	6.23	0.42	7.14	
Test Area	11/14/2005	Test 1	0-10	46.44	54.89	18.29	18.32	1.00	5.63	
	11/14/2005	Test 1	10-20	47.46	23.68	6.41	9.32	0.69	7.43	
	11/14/2005	Test 1	20-30	57.39	53.19	18.74	21.52	0.87	6.78	
	11/14/2005	Test 1	30-38	36.47	32.36	7.02	10.26	0.68	6.70	
	11/14/2005	Test 2	0-10	53.97	57.24	21.44	18.70	1.15	7.87	
	11/14/2005	Test 2	10-20	78.49	47.90	11.20	23.46	0.48	7.54	
	11/14/2005	Test 2	20-25	57.96	30.62	6.11	14.52	0.42	7.98	
	11/14/2005	Test 3	0-10	45.33	19.77	7.07	13.51	0.52	7.70	
	11/14/2005	Test 3	10-20	54.60	35.80	10.23	12.59	0.81	7.93	
	11/14/2005	Test 3	20-30	54.26	36.51	6.85	20.56	0.33	8.28	
	11/14/2005	Test 3	30-37	62.23	34.64	5.95	20.32	0.29	7.68	

FIGURES

SITE PLAN – EXISTING
MAPLEWOOD RECYCLING AND WASTE DISPOSAL FACILITY



400 200 0 400

SCALE: 1" = 400'

NOTES:

1. SURVEY BY FLORA SURVEYING ASSOCIATES, INC., DATED JANUARY 2005.
2. PHASES 3 AND 4 ARE CONTROL CELLS.

SITE PLAN – EXISTING

Geosyntec consultants

COLUMBIA, MARYLAND

DATE:	JULY 2007
PROJECT NO.	ME0466
DOCUMENT NO.	
FILE NO.	0466F002
FIGURE NO.	1

FIGURE 2
LIQUID APPLIED TO LANDFILL - CUMULATIVE
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

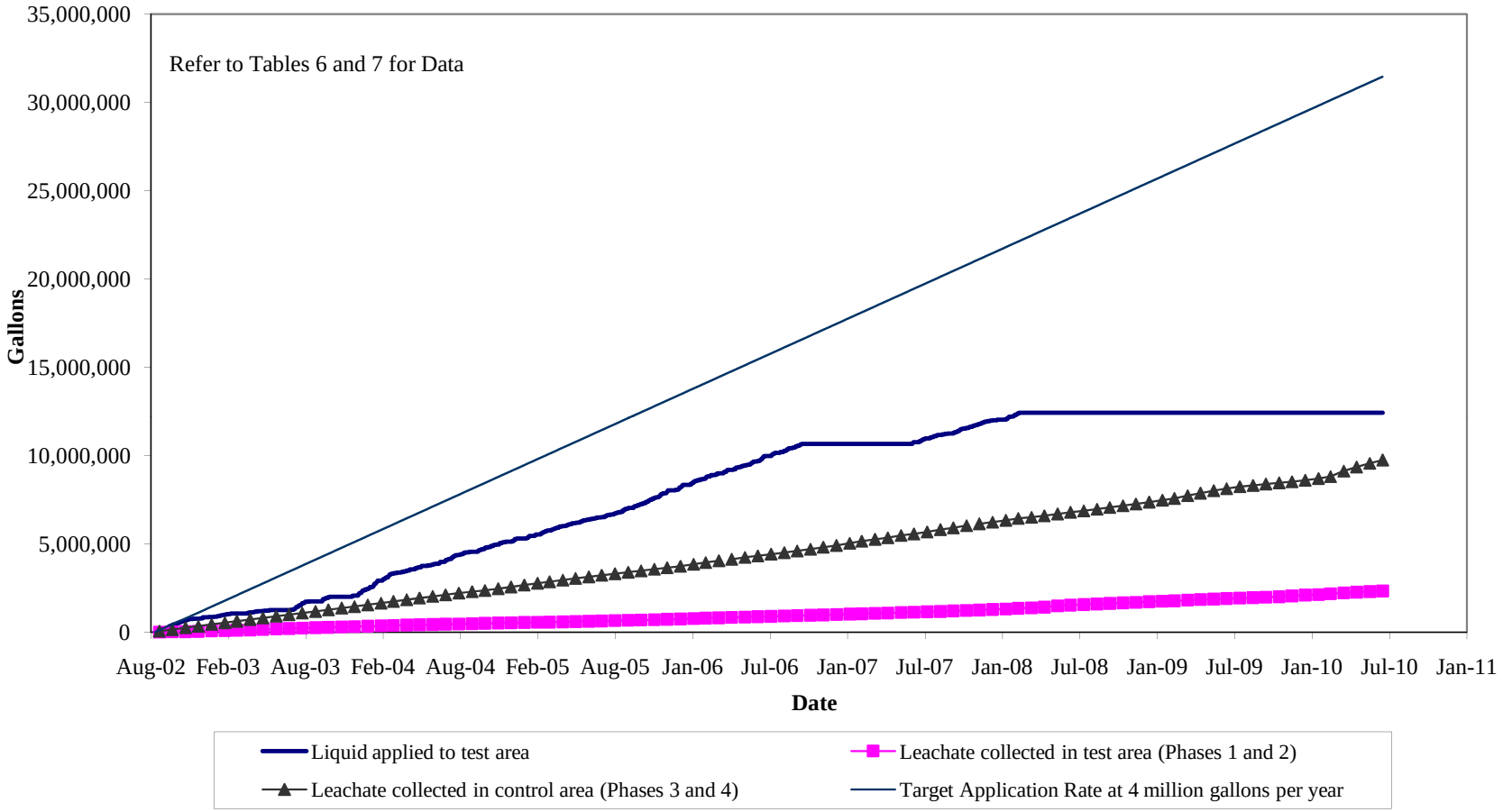


FIGURE 3
BOD/COD RATIO
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

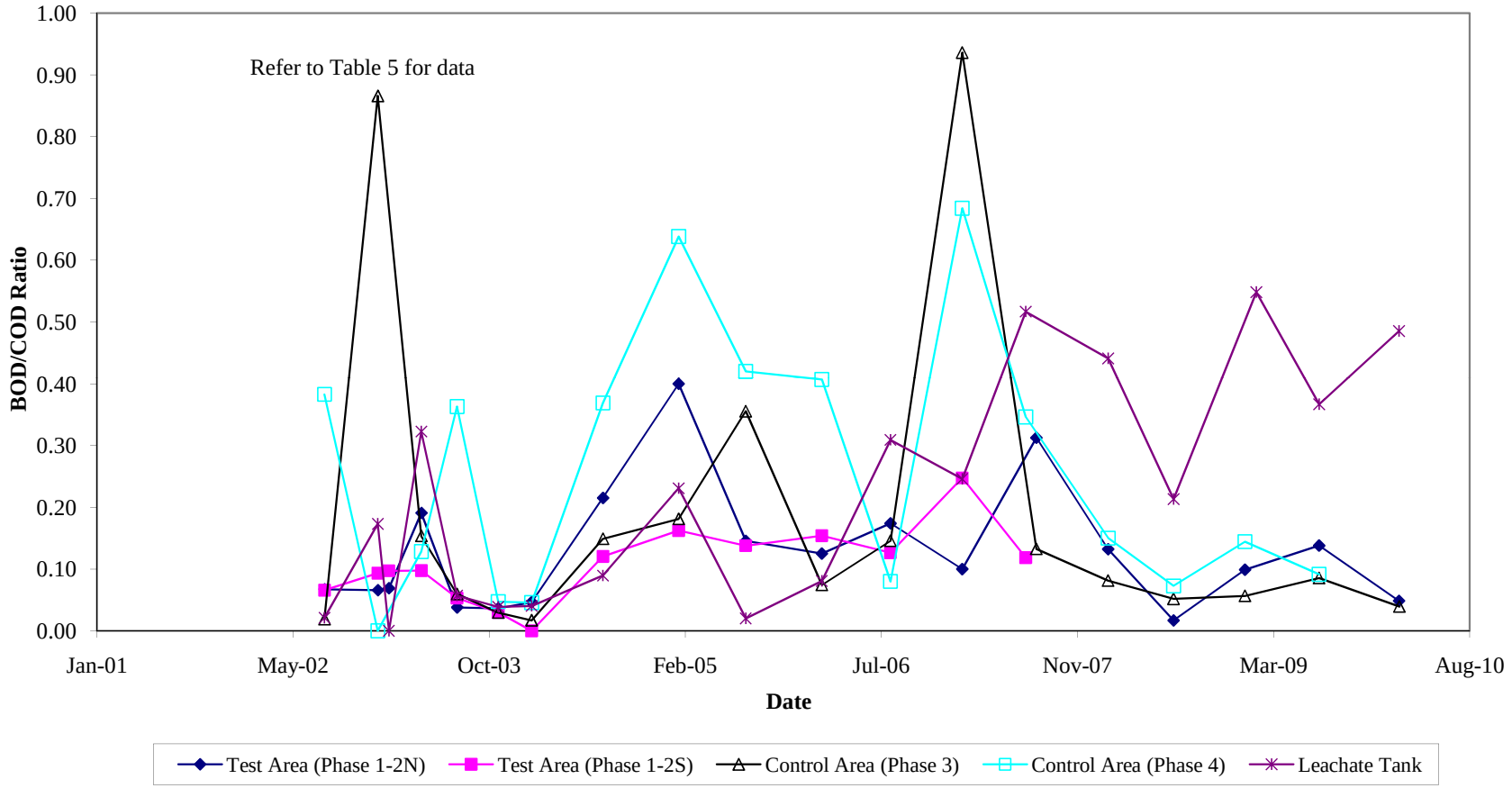


FIGURE 4
COD/TOC RATIO
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

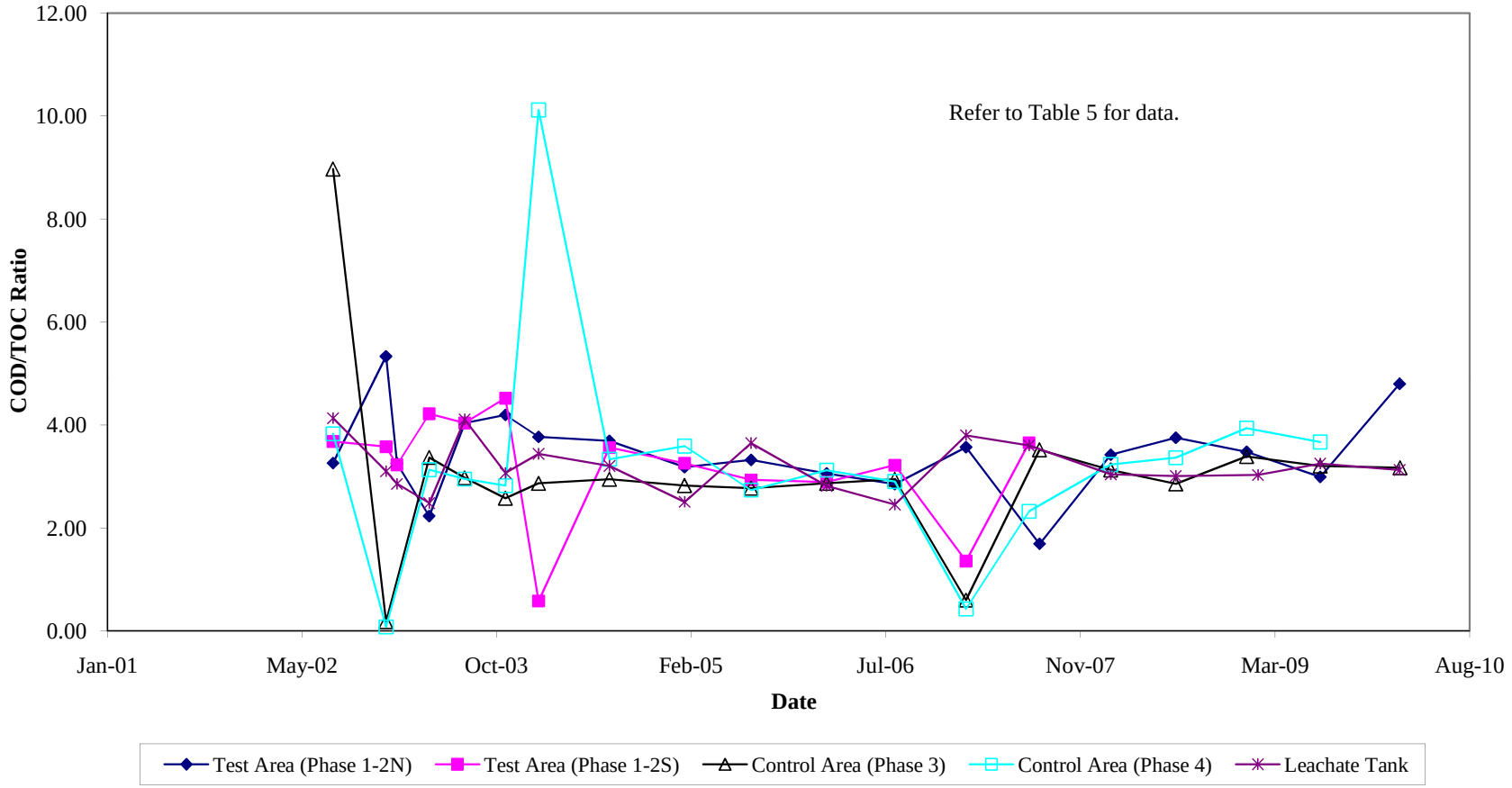


FIGURE 5
CHLORIDE CONCENTRATION
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

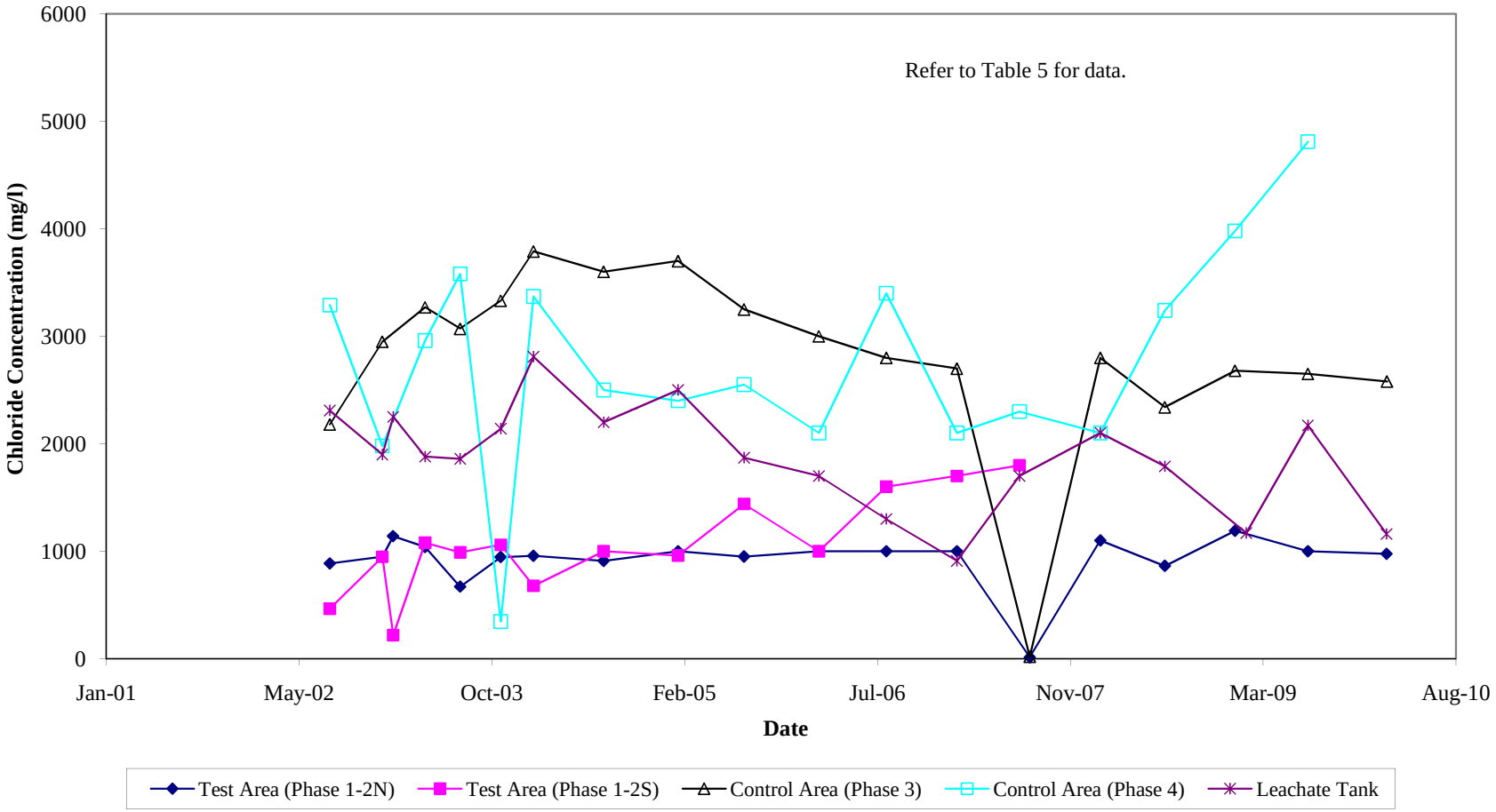


FIGURE 6
NITRATE NITROGEN CONCENTRATION
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

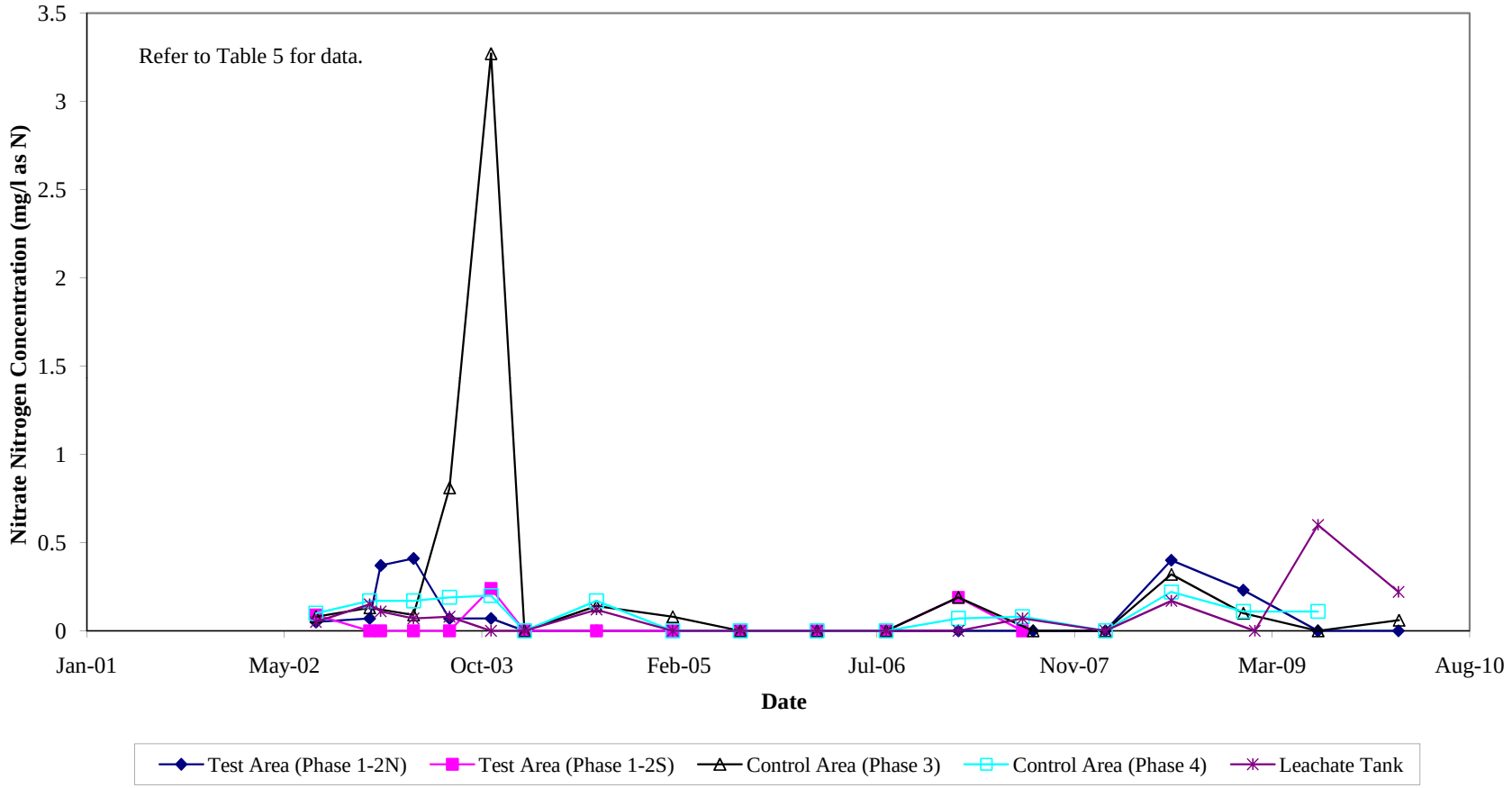


FIGURE 7
AMMONIA NITROGEN CONCENTRATION
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

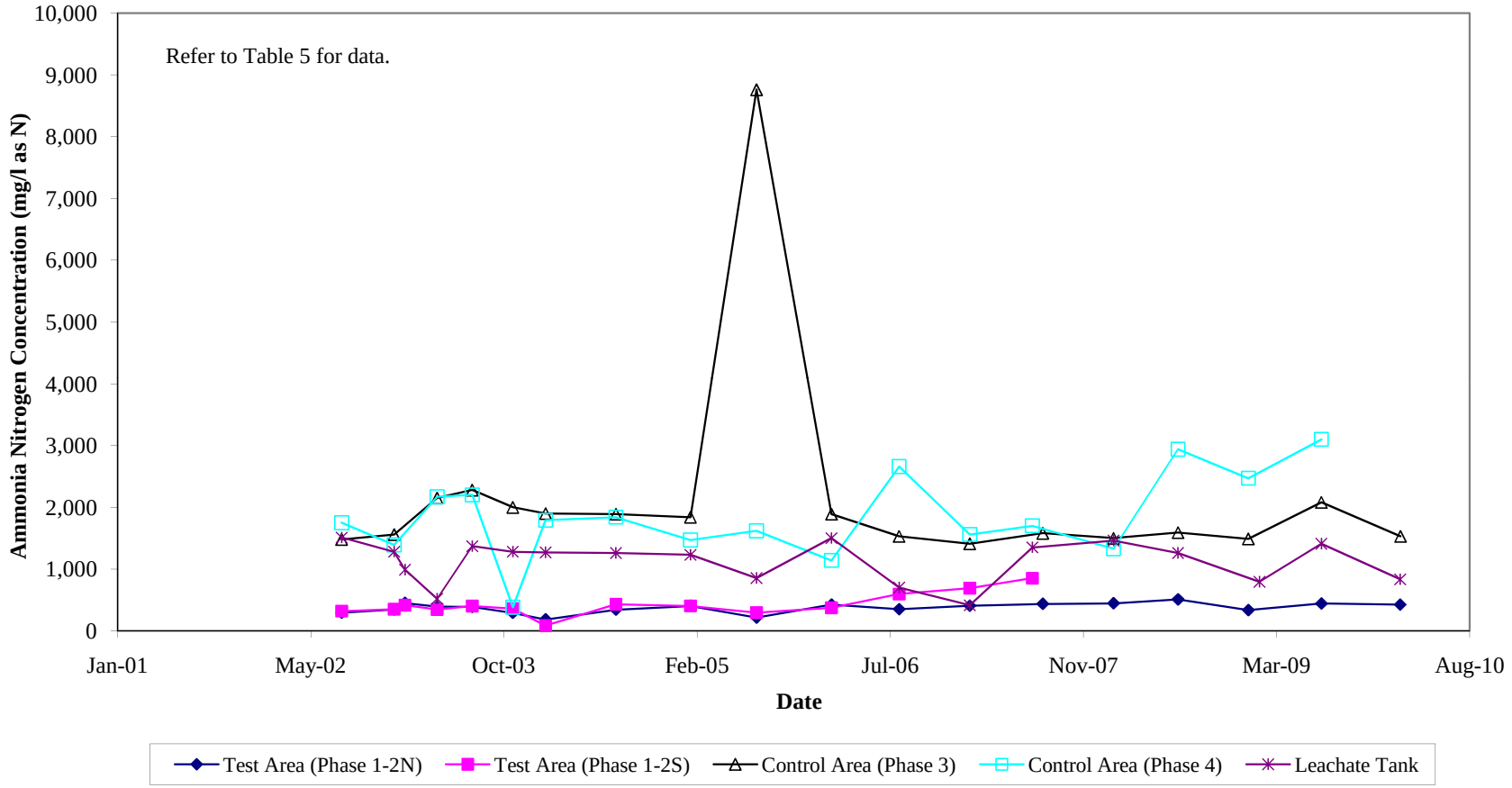


FIGURE 8
LANDFILL GAS QUANTITY DATA
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

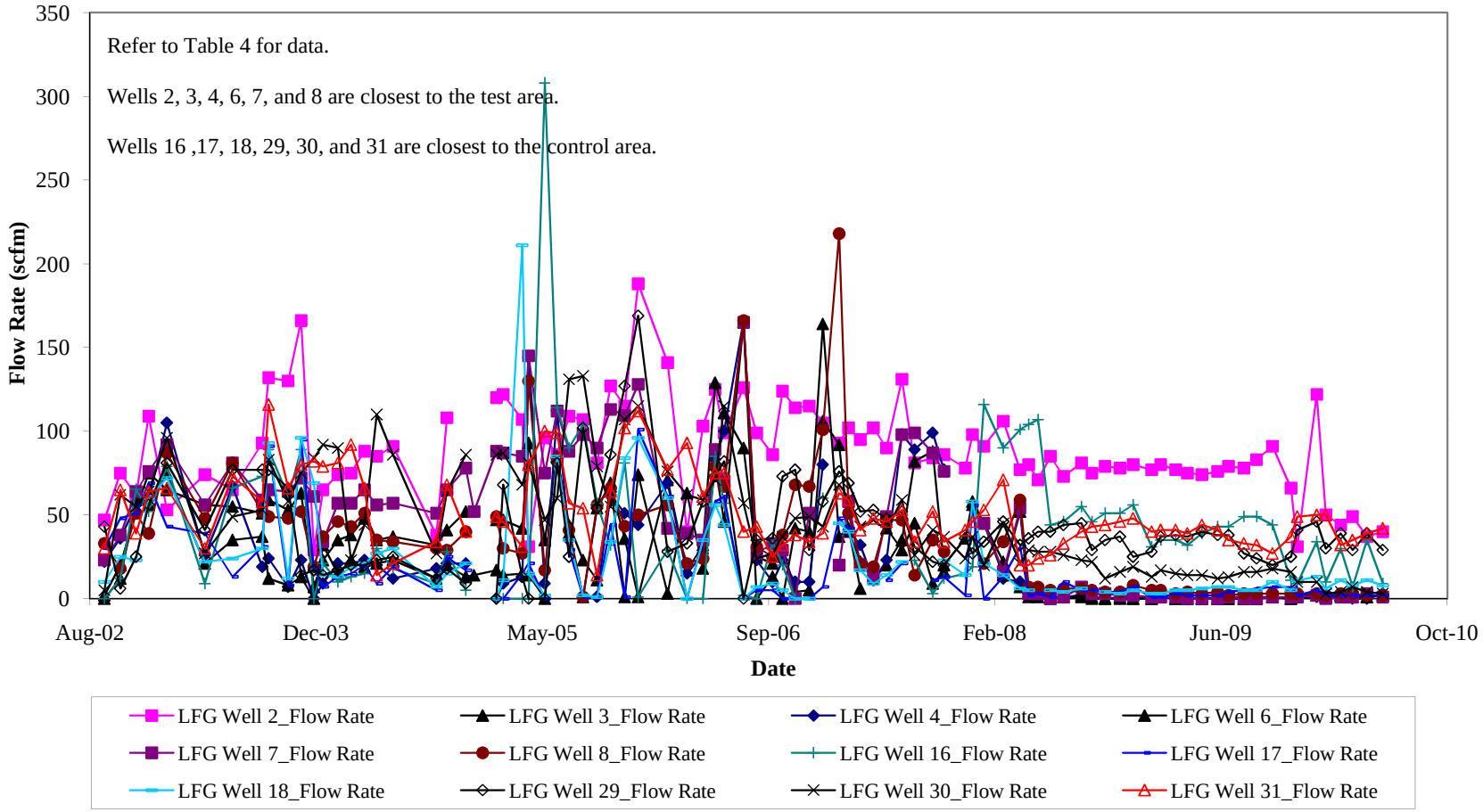


FIGURE 9
LANDFILL GAS QUALITY DATA - METHANE
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

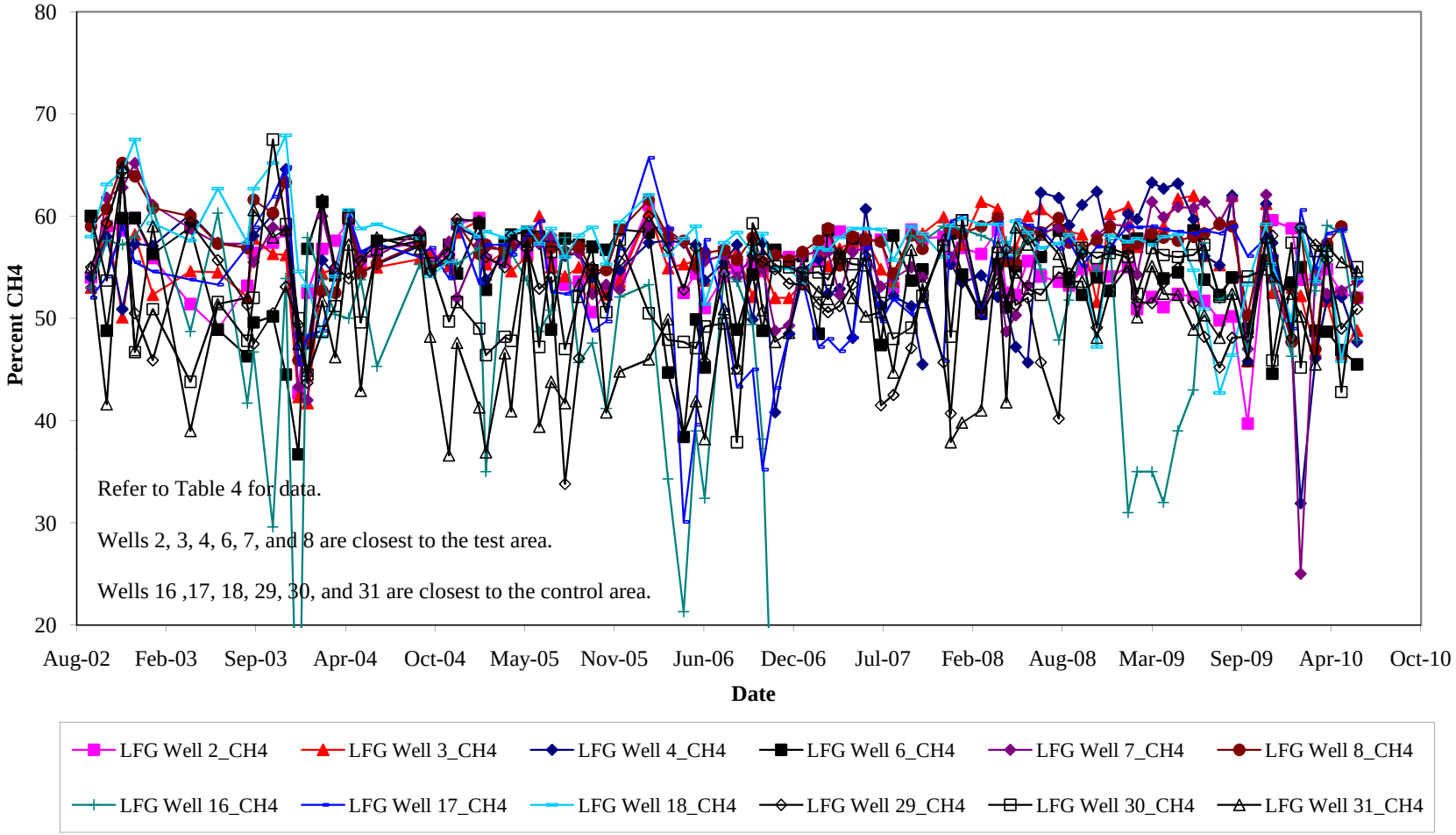
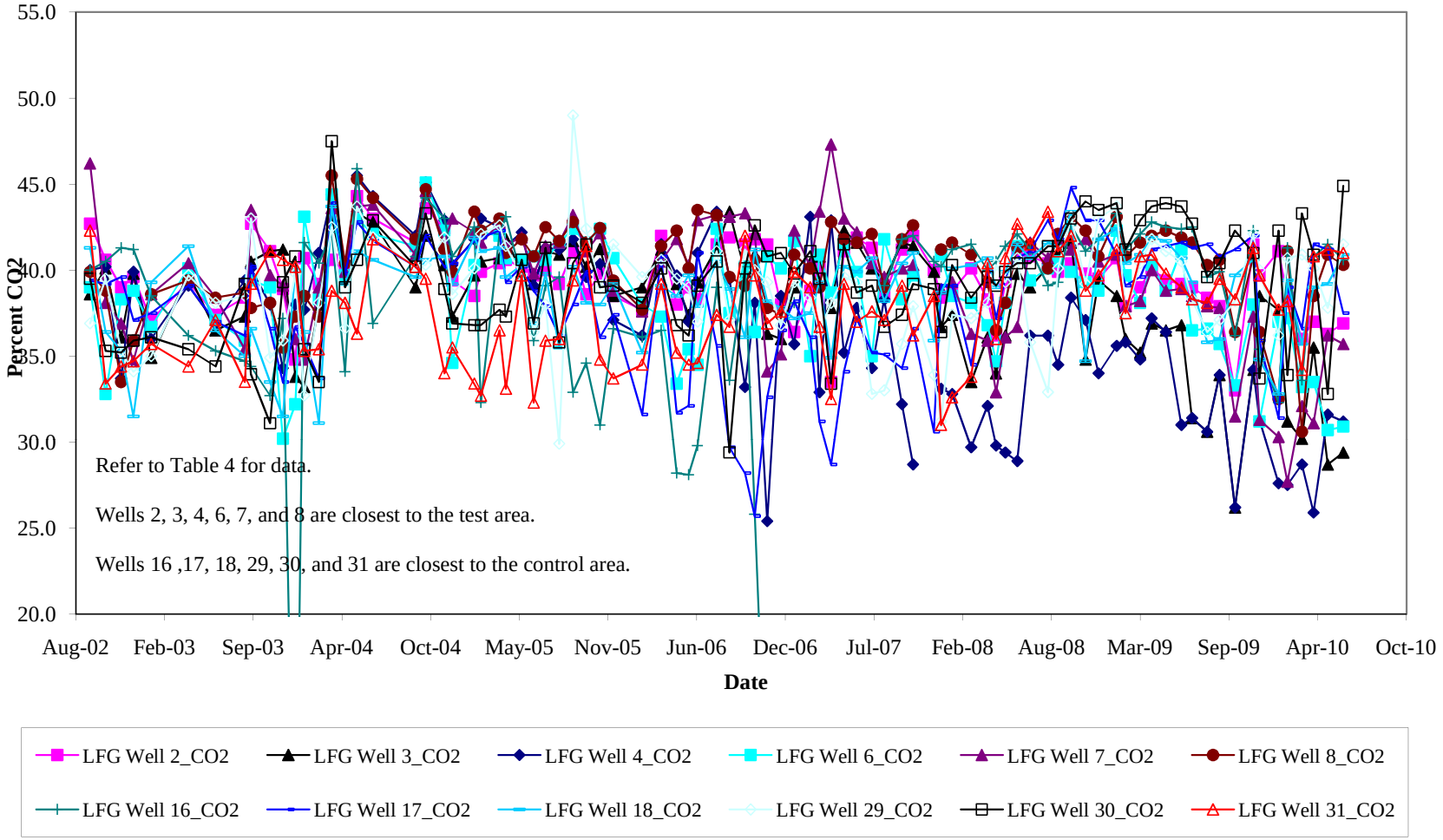
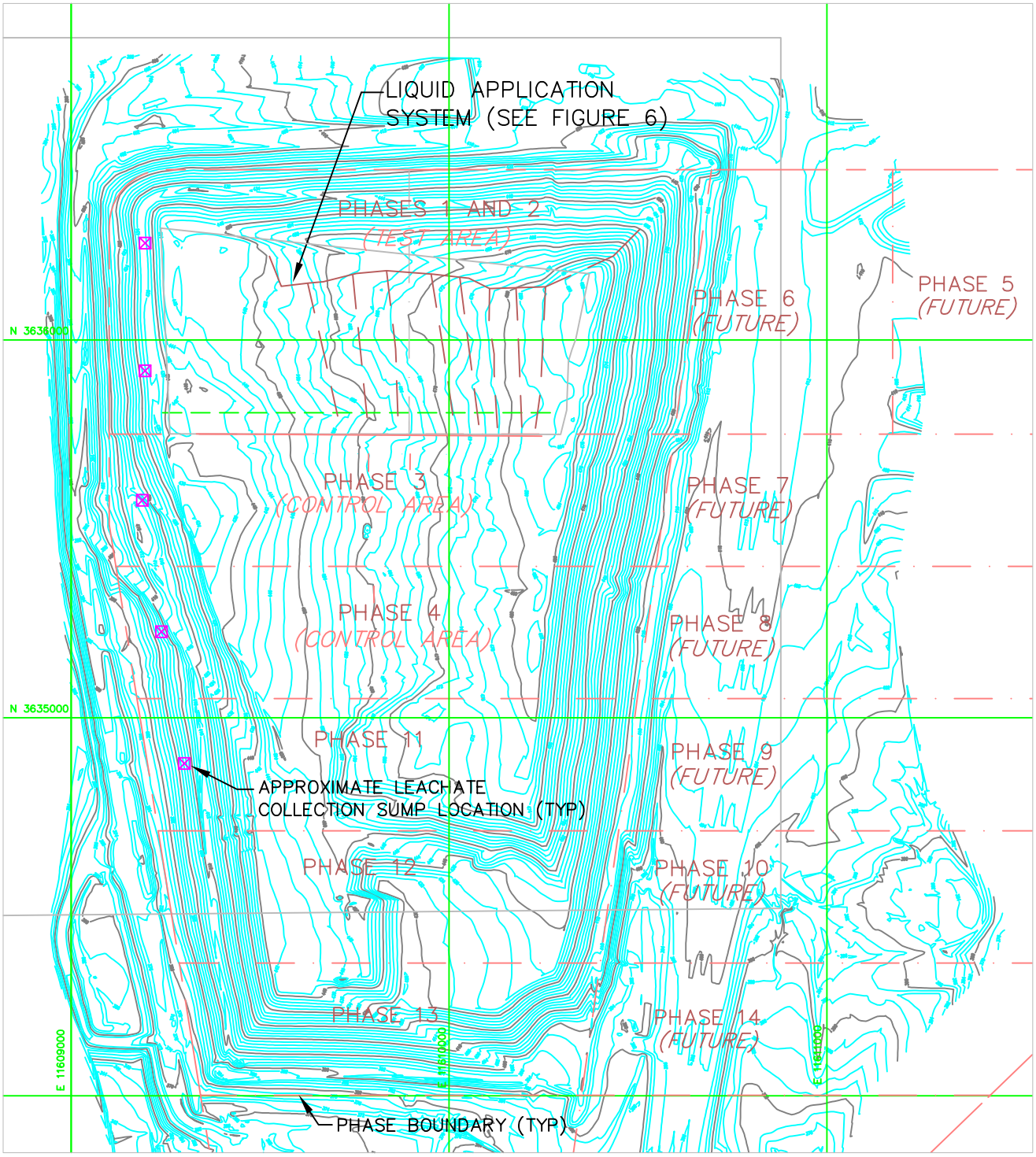


FIGURE 10
LANDFILL GAS QUALITY DATA - CARBON DIOXIDE
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia



DRAWINGS

SITE PLAN – EXISTING
MAPLEWOOD RECYCLING AND WASTE DISPOSAL FACILITY



400 200 0 400

SCALE: 1" = 400'

NOTES:

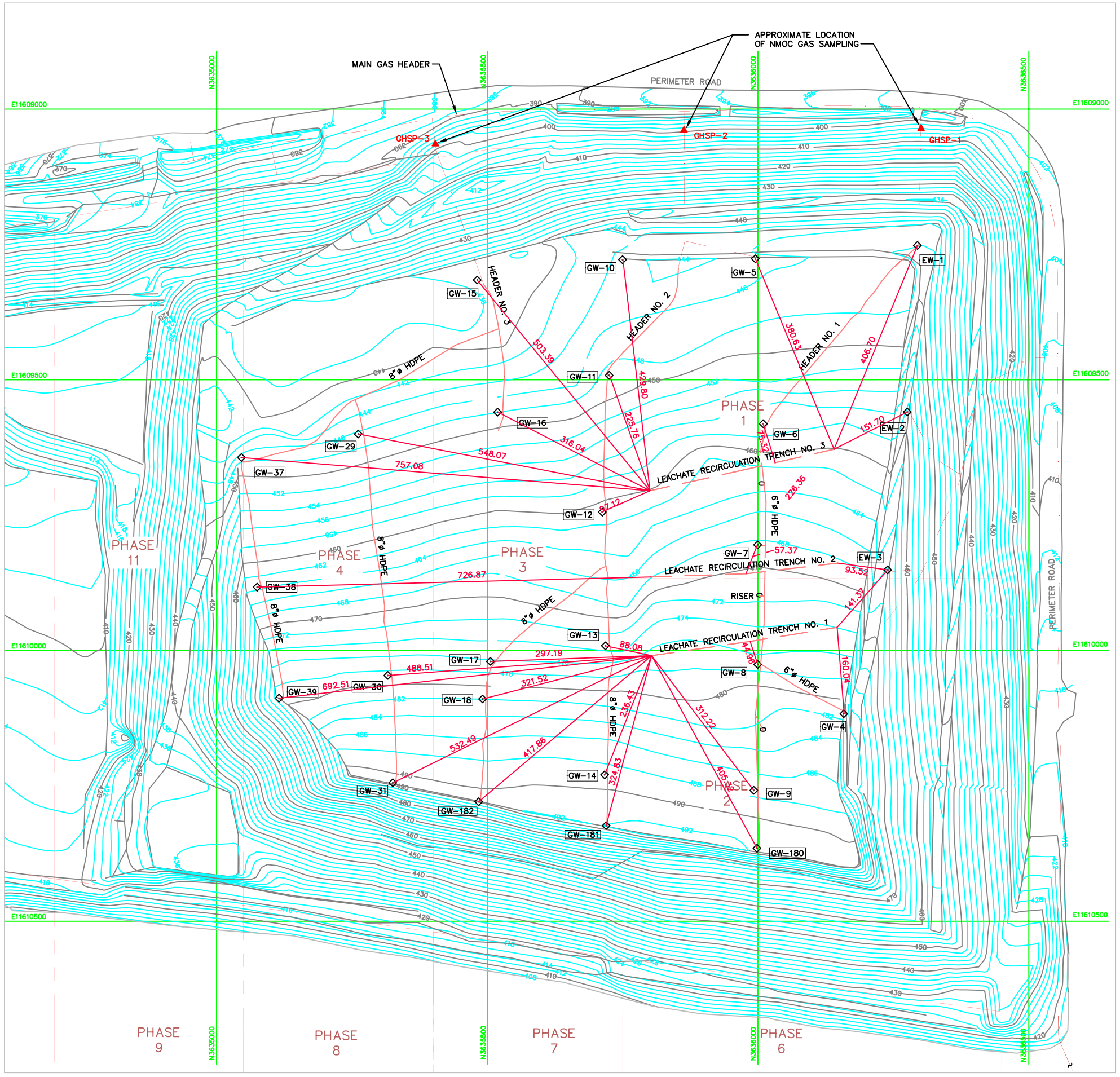
1. SURVEY BY FLORA SURVEYING ASSOCIATES, INC., DATED JANUARY 2005.
2. PHASES 3 AND 4 ARE CONTROL CELLS.

SITE PLAN – EXISTING

Geosyntec consultants

COLUMBIA, MARYLAND

DATE:	JULY 2007
PROJECT NO.	ME0466
DOCUMENT NO.	
FILE NO.	0466F002
FIGURE NO.	1



NORTH

LEGEND

- PHASE BOUNDARY
- 440 — EXISTING GRADE CONTOUR (FEET, MSL)
- LEACHATE GAS COLLECTION HEADER
- LANDFILL GAS COLLECTION LATERAL
- GW-5 — LANDFILL GAS WELL
- RISER PIPE
- GHSP-1 — GAS HEADER SAMPLING POINT

NOTES:

1. TOPOGRAPHIC INFORMATION IS FROM AN ELECTRONIC FILE BY FLORA SURVEYING ASSOCIATES, INC OF A SURVEY CONDUCTED ON 24 APRIL 2002.
2. LANDFILL GAS INFORMATION (WELLS, TRENCHES, PIPING, ETC) IS FROM AN ELECTRONIC FILE FROM FLORA SURVEYING ASSOCIATES, INC. OF A SURVEY CONDUCTED IN SEPTEMBER 2002.

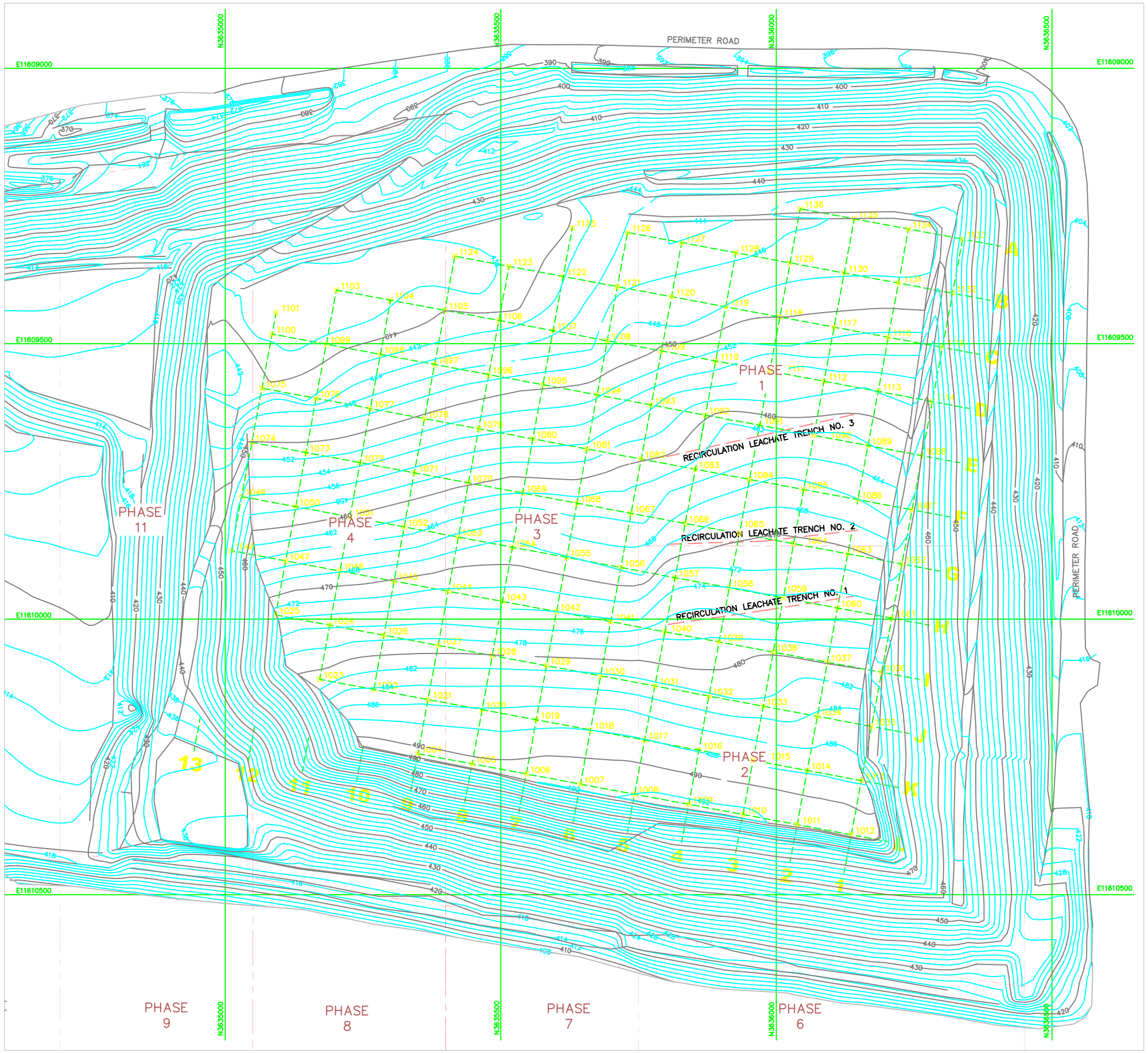
200 100 0 200

SCALE: 1" = 200'

LANDFILL GAS MONITORING PLAN

Geosyntec consultants
COLUMBIA, MARYLAND

DATE:	DECEMBER 2007
PROJECT NO.	ME0466
DOCUMENT NO.	
FILE NO.	0466F102
FIGURE NO.	



NORTH

LEGEND

- PHASE BOUNDARY
- 440 — EXISTING GRADE CONTOUR (FEET, MSL)
- A — SETTLEMENT GRID
- × 1130 — SETTLEMENT GRID POINT NUMBER

SETTLEMENT POINT SCHEDULE

POINT NO.	ELEV. 8/2/02	POINT NO.	ELEV. 8/2/02	POINT NO.	ELEV. 8/2/02
1004	485.87	1048	452.50	1092	455.39
1005	485.51	1049	452.53	1093	453.10
1006	488.10	1050	454.78	1094	450.59
1007	489.08	1051	457.93	1095	447.01
1008	489.29	1052	460.81	1096	445.83
1009	489.94	1053	463.32	1097	444.65
1010	489.88	1054	465.71	1098	440.66
1011	490.38	1055	466.06	1099	437.68
1012	490.32	1056	466.95	1100	435.45
1013	486.99	1057	468.79	1101	434.95
1014	487.20	1058	470.40	1103	434.51
1015	486.71	1059	471.67	1104	435.96
1016	485.21	1060	473.09	1105	438.83
1017	486.48	1061	469.98	1106	439.74
1018	486.24	1062	466.12	1107	440.55
1019	484.57	1063	468.41	1108	444.53
1020	483.05	1064	469.26	1109	447.00
1021	482.26	1065	466.66	1110	449.69
1022	480.97	1066	463.00	1111	452.44
1023	477.72	1067	463.21	1112	455.21
1024	472.04	1068	461.01	1113	455.94
1025	468.72	1069	460.16	1114	457.94
1026	474.30	1070	457.70	1115	452.17
1027	475.71	1071	455.12	1116	450.20
1028	477.62	1072	451.48	1117	449.09
1029	479.07	1073	448.58	1118	448.42
1030	480.72	1074	448.55	1119	447.08
1031	481.41	1075	439.54	1120	442.72
1032	481.09	1076	440.47	1121	443.54
1033	482.03	1077	445.99	1122	439.75
1034	482.34	1078	448.91	1123	436.73
1035	477.76	1079	451.72	1124	435.79
1036	473.03	1080	452.56	1125	437.70
1037	475.70	1081	455.31	1126	441.94
1038	475.89	1082	458.29	1127	442.36
1039	476.49	1083	459.15	1128	443.66
1040	475.24	1084	463.12	1129	446.31
1041	472.92	1085	464.37	1130	446.79
1042	472.03	1086	463.55	1131	446.82
1043	471.02	1087	463.11	1132	446.62
1044	470.05	1088	462.28	1133	443.94
1045	468.07	1089	461.07	1134	447.32
1046	465.01	1090	460.16	1135	447.30
1047	461.57	1091	458.71	1136	445.01

NOTE:

TOPOGRAPHIC INFORMATION IS FROM AN ELECTRONIC FILE BY FLORA SURVEYING OF A SURVEY CONDUCTED ON 24 APRIL 2002.

200 100 0 200

SCALE: 1" = 200'

SETTLEMENT MONITORING PLAN

Geosyntec consultants

COLUMBIA, MARYLAND

DATE:	DECEMBER 2007
PROJECT NO.	ME0466
DOCUMENT NO.	
FILE NO.	0466F101
FIGURE NO.	

APPENDIX A

LEACHATE QUALITY TEST RESULTS

(summary data included,
complete data available upon request)

Leachate Parameters Detected - Phase 1-2N
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

Parameter	Units	MCL	Aug-02	Oct-03	Jan-04	Jul-04	Jan-05	Jul-05	Jan-06	Jul-06	Jan-07	Aug-07	Jan-08	Jul-08	Jan-09	Jul-09	Feb-10
1,1-Dichloroethene	ug/L	7	**< 25**	-	-	-	-	-	-	-	<1.0	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,4-Dichlorobenzene	ug/L	NA	**-**	10	14	9.3	10.3	14.1	13.4	15.1	17.6	13.2	14.9	16.1	15.3	12.5	8.7
2 Naphthylamine	ug/L	NA	**-**	-	-	-	-	-	-	26	<100	<100	< 10	< 10	< 10	< 10	< 50
4-Methyl-2-Pentanone	ug/L	NA	-	-	5	-	6.1	-	-	-	<1.0	<1.0	< 1.0	< 1.0	1.6	1.8	1.5
Acetone	ug/L	NA	-	-	-	-	25.1	14.8	10.6	-	10.4	13.9	10.7	< 10.0	< 10.0	11.3	< 10
Acetonitrile	ug/L	NA	-	93	-	-	-	48.8	21.5	-	22.4	<20	< 20	20.1	< 20.0	26.3	32.8
Benzene	ug/L	5	**< 25**	**-**	**6**	**-**	**-**	**7.1**	**5.6**	**5.5**	**5.9**	3.8	4	3.6	3.7	3.3	< 1.0
Benzo(a)pyrene	ug/L	0.2	**< 10**	**<10**	**<10**	**<17**	**<34**	**<34**	**<10**	**<10**	**<100**	**<100**	**< 10**	**< 10**	**< 100**	**< 10**	**< 50**
Carbon Tetrachloride	ug/L	5	**< 25**	-	-	-	-	-	-	-	<1.0	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	ug/L	700	43	-	39	26.9	5.6	41.9	27.1	49.9	53.5	50.1	12.5	53.5	11.1	1.9	< 1.0
Hexachlorobenzene	ug/L	1	**< 10**	**<10**	**<10**	**<10**	**<11**	**<11**	**<23**	**<10**	**<100**	**<100**	**< 10**	**< 10**	**< 10**	**< 10**	**< 50**
m,p-Cresol	ug/L	NA	-	-	-	-	-	<53	<106	-	<100	<100	< 10	< 10	< 10	< 10	< 50
Methyl Ethyl Ketone	ug/L	NA	-	-	-	-	9.9	52.1	36.1	-	<5.0	<5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Naphthalene	ug/L	NA	14	12	22	11	-	<21	16	23	<100	<100	14	< 10	19	< 10	< 50
Phenol	ug/L	NA	-	-	-	-	-	-	< 22	-	<100	<100	< 10	< 10	< 10	< 10	< 50
Toluene	ug/L	1000	-	-	8	-	6.5	-	2.3	1.5	2.3	<1.0	1.2	1.7	3.2	3.8	< 1.0
Total Xylene	ug/L	10000	87	53	92	75.9	20.3	108	92	82.9	66.2	48.8	55.8	76.3	75.9	64.3	63.1
Trichloroethene	ug/L	5	**< 25**	-	-	-	-	-	-	-	<1.0	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl Chloride	ug/L	2	**< 10**	**-**	**14**	-	-	**<2**	-	-	**<1.0**	<1.0	< 1.0	< 1.0	< 1.0	1.3	1.7

Notes:
This table summarizes the leachate parameters that were
detected in Phase 1-2N. Samples where the concentration may
In some cases, the method detection limit is higher than the MCL.

Leachate Parameters Detected - Phase 1-2S
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

Parameter	Units	MCL	Aug-02	Oct-03	Jan-04	Jul-04	Jan-05	Jul-05	Jan-06	Jul-06	Jan-07	Jul-07	Jan-08	Jul-08	Jan-09	Jul-09	Feb-10
1,1-Dichloroethane	ug/L	NA	-	6	-	-	-	-	2	-	<1.0	1.6					
1,1-Dichloroethene	ug/L	7	**< 25**	-	-	-	-	-	-	-	<1.0	<1.0					
1,2,4-Trichlorobenzene	ug/L	70	14	-	-	-	-	-	< 24	-	<100	<10					
1,4-Dichlorobenzene	ug/L	NA	-	11	14	14.2	16.6	16.5	18.9	17.7	21.3	19.6					
2 Naphthylamine	ug/L	NA	-	-	-	-	-	-	-	46	<100	<10					
Acetone	ug/L	NA	-	31	-	-	-	10.7	< 10		13.2	20					
Acetonitrile	ug/L	NA	-	-	-	-	-	40	36.5	33.5	47.9	33					
Benzene	ug/L	5	**< 25**	**-**	**7**	**7.1**	**8.1**	**-**	**7.6**	**6.7**	**6.7**	**5.2**	no data obtained	no data obtained	no data obtained	no data obtained	no data obtained
Benzo(a)pyrene	ug/L	0.2	**< 10**	**<10**	**<10**	**<17**	**<34**	**<32**	**< 10**	**< 10**	**<100**	**<10**					
Carbon Tetrachloride	ug/L	5	**< 25**	-	-	-	-	-	-	-	<1.0	<1.0					
Ethylbenzene	ug/L	700	53	-	-	44.2	11	-	30.5	43.7	63.1	69.8					
Hexachlorobenzene	ug/L	1	**< 10**	**-**	**10**	**<10**	**<11**	**<11**	**< 11**	**< 11**	**<100**	**<10**					
Methyl Ethyl Ketone	ug/L	NA	**-**	31	16	-	-	-	< 5.0	< 5.0	< 5.0	<5.0					
Napthalene	ug/L	NA	**-**	**-**	10	10	-	-	15	16	<100	13					
o-Toluidine	ug/L	NA	**-**	**-**	-	-	-	-	**< 63**	-	<100	<10					
Phenol	ug/L	NA	**-**	**-**	-	-	-	24	< 11	< 11	<100	<10					
Toluene	ug/L	1000	**-**		17	-	-	-	12.5	4.4	5	8.6					
Total Xylene	ug/L	10000	133	6	101	122	153	20.5	191	188	188	171					
Trichloroethene	ug/L	5	**< 25**	-	-	-	-	-	-	-	<1.0	<1.0					
Vinyl Chloride	ug/L	2	**< 10**	-	**3**	-	-	-	-	-	1.1	1.0					

Notes:
This table summarizes the leachate parameters that were
detected in Phase 1-2S. Samples where the concentration may
In some cases, the method detection limit is higher than the MCL.

Leachate Parameters Detected - Phase 3
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

Parameter	Units	MCL	Aug-02	Oct-03	Jan-04	Jul-04	Jan-05	Jul-05	Jan-06	Jul-06	Jan-07	Aug-07	Jan-08	Jul-08	Jan-09	Jul-09	Feb-10
1,1-Dichloroethene	ug/L	7	**< 100**	-	-	-	-	-	-	-	<1.0	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trichlorobenzene	ug/L	70	**< 100**	-	-	-	-	-	< 24	-	**<100**	**<100**	< 10	**< 100**	< 50	< 50	< 50
1,4-Dichlorobenzene	ug/L	NA	-	11	14	11.6	13.6	10.5	13.7	14.3	19.5	9.7	13	15.7	9.9	13.9	15.6
2,4 Dimethylphenol	ug/L	NA	-	17	-	-	18	-	< 16	18	<100	<100	< 10	< 100	< 50	< 50	< 50
4-Methyl-2-Pentanone	ug/L	NA	-	-	-	-	-	-	3.7	3.1	7.9	3	77.2	3.4	4.4	9.6	9.3
Acetone	ug/L	NA	1070	29	21	-	27.4	26.5	13.6	17.3	11.4	34.4	2680	26.6	54.6	24.4	40.3
Acetonitrile	ug/L	NA	385	143	125	152	143	248	236	164	263	102	207	147	102	87.1	140
Benzene	ug/L	5	**< 100**	-	-	-	-	-	3.3	3.3	3.9	2.3	**6.5**	3.6	1.1	2.5	3.1
Benzo(a)pyrene	ug/L	0.2	**< 100**	**<10**	**<10**	**<34**	**<30**	**<64**	**< 10**	**< 10**	**<100**	**<100**	**< 10**	**< 100**	**< 50**	**< 50**	**< 50**
Carbon Tetrachloride	ug/L	5	**< 100**	-	-	-	-	-	-	-	<1.0	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene	ug/L	70	**< 100**	6	9	7.2	-	6.6	8.8	9.7	9.3	6.7	3.3	7.9	4.7	4.5	4.1
Ethylbenzene	ug/L	700	-	13	35	25.1	30.2	23.6	30.7	31.1	32.8	19.7	25.6	29.4	1.2	15.1	16.4
Hexachlorobenzene	ug/L	1	**< 100**	**<10**	**<10**	**<11**	**<10**	**<22**	**< 11**	**< 11**	**<100**	**<100**	**< 10**	**< 100**	**< 50**	**< 50**	**< 50**
Hexachlorocyclopentadiene	ug/L	50	**< 500**	-	-	**<240**	**<210**	**<450**	**< 240**	**<58**	**<100**	**<100**	< 10	**< 100**	< 50	< 50	< 50
m,p-Cresol	ug/L	NA	420	29	-	57	-	-	< 53	27	<100	<100	136	< 100	< 50	< 50	< 50
Methyl Ethyl Ketone	ug/L	NA	917	-	6	8.3	6	-	< 5.0	7.1	<5.0	11.7	2340	19.1	76.9	8.1	28.2
Naphthalene	ug/L	NA	-	-	15	-	-	-	21	23	<100	<100	< 10	< 100	< 50	< 50	< 50
o-Cresol	ug/L	NA	-	52	57	45	36	56	44	37	<100	<100	< 95	< 100	< 50	< 50	< 50
o-Toluidine	ug/L	NA	-	-	-	-	-	-	< 63	-	<100	<100	< 10	< 100	< 50	< 50	< 50
Toluene	ug/L	1000	233	61	101	84.3	96.9	77.7	87.3	78.1	31	82.2	92.3	92.8	19.3	77.3	57.8
Total Xylene	ug/L	10000	194	61	103	72.7	89.8	69.2	88.3	92	98.9	57.1	75.3	91.4	48.5	67.6	75.3
Trichloroethene	ug/L	5	**< 100**	-	-	-	-	-	-	-	<1.0	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl Chloride	ug/L	2	**< 40**	-	-	-	-	-	-	1.2	<1.0	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Notes:
This table summarizes the leachate parameters that were
detected in Phase 3. Samples where the concentration may be
In some cases, the method detection limit is higher than the MCL.

Leachate Parameters Detected - Phase 4
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

Parameter	Units	MCL	Aug-02	Oct-03	Jan-04	Jul-04	Jan-05	Jul-05	Jan-06	Jul-06	Jan-07	Jul-07	Jan-08	Jul-08	Jan-09	Jul-09	Feb-10
1,1-Dichloroethene	ug/L	7	**< 50**	-	-	-	-	-	-	-	<1.0	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	
1,2,4-Trichlorobenzene	ug/L	70	**< 710**	-	-	-	-	-	< 98	<23	**<100**	**<100**	**< 100**	**< 100**	< 50	< 50	
1,4-Dichlorobenzene	ug/L	NA	-	-	9	8.3	12.5	6.5	9.7	5.6	5	9.1	2.9	9.1	9.1	7	
2,4-Dimethylphenol	ug/L	NA	-	-	-	22	78	51	73	-	<100	<100	< 100	< 100	< 50	< 50	
2-Hexanone	ug/L	NA	-	-	-	12.2	44.2	38.7	33	-	6.8	9.3	46.8	< 5.0	85.8	6.1	
2-Methyl-1-propanol	ug/L	NA	9780	-	-	-	-	2430	2050	-	<50	595	< 50.0	< 50.0	< 50.0	< 50.0	
4-Methyl-2-Pentanone	ug/L	NA	795	-	-	108	-	207	242	1.3	72.3	112	167	2.6	< 500	6	
Acenaphthylene	ug/L	NA	-	-	-	-	-	-	< 10	-	<100	<100	< 100	< 100	< 50	< 50	
Acetone	ug/L	NA	6990	-	-	3170	8480	9080	7090	10.1	2670	2750	12200	17.8	34900	63.2	
Acetonitrile	ug/L	NA	1340	-	78	287	453	580	417	79.9	92.7	258	121	97.5	347	55.4	
Acetophenone	ug/L	NA	-	-	-	-	120	-	< 230	-	<100	<100	< 100	< 100	73	< 50	
Benzene	ug/L	5	**< 50**	-	5	-	**6.6**	-	**4.6**	**5**	4.6	**5.7**	3	**6.6**	**5.5**	**8.7**	
Benzo(a)pyrene	ug/L	0.2	**< 710**	**<10**	**<10**	**<32**	**<50**	**<64**	**< 10**	**< 10**	**<100**	**<100**	**< 100**	**< 100**	**< 50**	**< 50**	
Benzyl Alcohol	ug/L	NA	-	-	-	38	500	300	330	-	<200	<200	< 200	< 200	< 100	< 100	
Carbon Tetrachloride	ug/L	5	**< 50**	-	-	-	-	-	-	-	<1.0	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	
cis-1,2-Dichloroethene	ug/L	70	-	-	-	-	-	-	5.1	1.3	2.7	3.8	1.6	2.8	2.9	1.2	
Diethyl Phthalate	ug/L	NA	-	-	-	-	68	66	< 120	68	<100	<100	< 100	< 100	< 50	< 50	
Ethylbenzene	ug/L	700	58	16	25	16.7	28.7	11.8	19.8	20	13.5	20	8.2	21	19.2	9.3	
Hexachlorobenzene	ug/L	1	**< 710**	**<10**	**<10**	**<11**	**<17**	**<22**	**< 46**	**<11**	**<11**	**<100**	**< 100**	**< 100**	**< 50**	**< 50**	
Hexachlorocyclopentadiene	ug/L	50	**< 3600**	-	-	**<220**	**<350**	**<66**	**< 950**	**<58**	**<100**	**<100**	**< 100**	**< 100**	< 50	< 50	
m,p-Cresol	ug/L	NA	2000	-	-	800	4300	2030	3400	14	<100	534	7110	< 100	660	61	
Methyl Ethyl Ketone	ug/L	NA	9830	-	14	3810	9050	9820	5660	8.5	2640	2460	12200	8.4	35700	35.2	
Naphthalene	ug/L	NA	-	-	-	-	38	-	25	14	<100	<100	< 100	< 100	< 50	< 50	
o-Cresol	ug/L	NA	-	-	-	24	82	120	98	-	<100	<100	< 100	< 100	< 50	< 50	
Phenanthrene	ug/L	NA	-	-	-	-	-	-	< 10	-	<100	<100	< 100	< 100	< 50	< 50	
Phenol	ug/L	NA	4700	-	-	820	4900	3900	3600	-	<100	1370	690	< 100	< 500	< 50	
Styrene	ug/L	NA	-	-	-	-	5.8	-	3.7	-	<1.0	2.1	< 1.0	< 1.0	1.8	< 1.0	
Toluene	ug/L	1000	326	-	34	58	<500	47.4	87.6	26.1	52.4	85.6	44.5	44.6	74.4	29.6	
Total Xylene	ug/L	10000	147	45	68	44.6	84.4	35.5	59.9	53.7	41.6	59	23.6	62.3	51.5	27	
Trichloroethene	ug/L	5	**< 50**	-	-	-	-	-	-	-	1.5	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	
Vinyl Chloride	ug/L	2	**< 20**	-	2	-	**<56**	-	-	1.4	**2.9**	**<1.0**	**2.9**	< 1.0	< 1.0	< 1.0	

no data obtained

Notes:
This table summarizes the leachate parameters that were
detected in Phase 4. Samples where the concentration may be
In some cases, the method detection limit is higher than the MCL.

Leachate Parameters Detected - Leachate Tank
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

Parameter	Units	MCL	Aug-02	Oct-03	Jan-04	Jul-04	Jan-05	Jul-05	Jan-06	Jul-06	Jan-07	Jul-07	Jan-08	Jul-08	Feb-09	Jul-09	Feb-10
1,1-Dichloroethene	ug/L	7	**< 25**	-	-	-	-	-	-	-	<1.0	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,4-Dichlorobenzene	ug/L	NA	-	-	-	-	-	-	-	3.2	8.3	1.9	2.9	3.3	5.7	4	7
2,4 Dimethylphenol	ug/L	NA	-	17	-	16	22	-	73	-	<100	<100	< 100	< 100	< 50	< 50	< 50
2-Hexanone	ug/L	NA	-	-	-	-	-	-	-	8.5	<5.0	<5.0	46.8	8.4	22.1	15.5	< 5.0
4-Methyl-2-Pentanone	ug/L	NA	-	-	-	-	-	-	242	70	3.1	79.6	167	75.2	188	90.9	116
Acetone	ug/L	NA	-	-	-	-	26.3	26.1	7090	1340	18.3	39.7	12200	372	15600	10300	8870
Acetonitrile	ug/L	NA	183	176	123	137	129	255	417	107	111	113	121	108	117	98.8	247
Acetophenone	ug/L	NA	-	-	-	-	-	-	< 230	-	<100	<100	< 100	< 100	< 50	< 500	na
Benzene	ug/L	5	**< 25**	-	-	-	-	-	**4.6**	2.2	**7**	<1.0	3	3.4	**6.2**	2.6	4.9
Benzo(a)pyrene	ug/L	0.2	**< 10**	**<10**	**<10**	**<32**	**<30**	**<340**	**< 10**	-	**<100**	**<100**	**< 100**	**< 100**	**< 50**	**< 50**	**< 50**
Carbon Tetrachloride	ug/L	5	**< 25**	-	-	-	-	-	-	-	<1.0	<1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	ug/L	700	-	9	7	-	-	-	19.8	8	21.3	4.3	8.2	7.7	20.4	10.8	19.2
Hexachlorobenzene	ug/L	1	**< 10**	**<10**	**<10**	**<11**	**<10**	**<110**	**< 46**	-	**<100**	**<100**	**< 100**	**< 100**	**< 50**	**< 50**	**< 50**
Hexachlorocyclopentadiene	ug/L	50	28	-	-	**<220**	**<210**	**<2400**	**< 140**	**<58**	**<100**	**<100**	**< 100**	**< 100**	**< 50**	**< 500**	**< 50**
m,p-Cresol	ug/L	NA	-	93	-	34	-	-	3400	118	201	313	7110	1500	1050	1240	1310
Methyl Ethyl Ketone	ug/L	NA	-	-	-	10.4	19.2	19.7	5660	858	9.7	18.2	12200	1440	7020	10800	8670
Napthalene	ug/L	NA	-	-	-	-	-	-	-	11	<100	<100	< 100	< 100	< 50	< 50	< 50
o-Cresol	ug/L	NA	-	-	18	-	-	-	98	21	<100	<100	< 100	< 100	< 50	< 50	< 50
o-Toluidine	ug/L	NA	-	-	24	-	-	-	< 250	-	<100	<100	< 100	< 100	< 50	< 500	< 50
Phenol	ug/L	NA	-	-	-	69	12	2100	3600	110	292	<100	690	182	391	600	444
Toluene	ug/L	1000	86	50	34	17.6	25.2	16.9	87.6	34	28	13.7	44.5	24.1	98.5	47.8	63
Total Xylene	ug/L	10000	-	24	18	10.1	12	7.1	59.9	24.2	58.5	14.5	23.6	22.5	60.7	32.8	58.3
Trichloroethene	ug/L	5	**< 25**	-	-	-	-	-	-	-	<1.0	<1.0	< 1.0	< 1.0	1.7	< 1.0	< 1.0
Vinyl Chloride	ug/L	2	**< 10**	-	-	-	-	-	-	1.7	1.3	1.2	**2.9**	< 1.0	< 1.0	< 1.0	1.1

Notes:
This table summarizes the leachate parameters that were
detected in the Leachate Tank. Samples where the
In some cases, the method detection limit is higher than the MCL.

APPENDIX B

DAILY LIQUID APPLICATION LOG

NO LIQUID APPLICATION DURING THIS REPORTING PERIOD

APPENDIX C

TRENCH MONITORING LOG

(complete data not available at the time of this report)

NO LIQUID APPLICATION DURING THIS REPORTING PERIOD

APPENDIX D

SETTLEMENT DATA

TABLE 8
SUMMARY OF LANDFILL SETTLEMENT DATA
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

Point No.	Northing	Easting	FINISH TRASH ELEV	Elev 3/27/07	Elev 7/9/07	Elev 11/13/07	Elev 2/7/08	Elev 4/8/08	Elev 7/16/08	Elev 10/30/08	Elev 1/15/09	Elev 4/15/09	Elev 7/14/09	Elev 10/2/09	Elev 1/15/10	Elev 4/5/10	Difference in grade 10/2/09 to 4/5/2010
Control Area																	
1004	3,635,349.73	11,610,244.17	488.31	480.08	479.90	479.61	479.39	479.15	479.10	478.88	478.55	478.42	478.09	477.87	477.65	477.49	-0.39
1005	3,635,448.00	11,610,262.56	488.97	478.04	477.58	477.12	476.81	476.51	476.21	477.23	476.84	476.84	476.39	476.23	475.96	475.81	-0.42
1006	3,635,546.31	11,610,280.96	490.34	481.33	481.04	480.52	480.20	480.05	479.84	479.46	479.09	479.11	478.67	478.55	478.30	478.13	-0.42
1007	3,635,644.56	11,610,299.35	491.77	482.08	481.84	481.41	481.26	481.05	480.82	480.40	480.19	480.09	479.68	479.36	479.26	479.05	-0.31
1008	3,635,742.79	11,610,317.74	493.49	480.61	480.27	480.16	479.91	479.80	479.67	479.36	479.08	479.14	478.80	478.71	478.66	478.60	-0.11
1018	3,635,662.70	11,610,201.04	487.06	479.46	479.27	478.93	478.70	478.57	478.74	478.48	478.14	478.04	477.78	477.53	477.50	477.37	-0.16
1019	3,635,564.34	11,610,182.66	485.60	478.02	477.82	477.59	477.35	477.20	477.02	476.87	476.59	476.54	476.32	476.23	476.07	475.98	-0.25
1020	3,635,466.17	11,610,164.24	484.24	475.74	475.60	475.37	475.14	475.06	474.94	474.79	474.53	474.58	474.36	474.27	474.25	474.13	-0.15
1021	3,635,367.83	11,610,145.87	483.50	475.54	475.44	475.12	474.91	474.83	474.71	474.45	474.14	474.22	473.93	473.65	473.86	473.73	0.07
1022	3,635,269.54	11,610,127.55	482.83	476.36	476.32	476.05	475.92	475.71	475.59	475.33	475.02	474.98	474.60	474.48	474.30	473.99	-0.49
1023	3,635,171.30	11,610,109.13	482.55	476.18	476.23	475.98	475.86	475.78	475.72	475.51	475.32	475.37	475.14	475.34	475.04	474.88	-0.46
1024	3,635,189.69	11,610,010.81	477.50	472.56	472.36	471.97	471.71	471.48	471.32	471.04	470.67	470.62	470.35	470.44	470.19	469.84	-0.59
1025	3,635,091.34	11,609,992.34	477.55	471.45	471.23	470.97	470.74	470.58	470.50	470.28	470.01	469.99	469.69	469.88	469.61	469.45	-0.44
1026	3,635,288.00	11,610,029.13	478.11	472.26	472.07	471.45	471.14	470.95	470.79	470.46	470.13	470.14	469.80	469.50	469.44	469.29	-0.21
1027	3,635,386.32	11,610,047.53	478.75	473.30	473.19	472.70	472.56	472.41	472.26	472.04	471.77	471.81	471.44	471.12	471.38	471.18	0.06
1028	3,635,484.54	11,610,066.03	479.54	474.86	474.72	474.43	474.20	474.17	473.96	473.79	473.49	473.56	473.21	472.91	473.22	473.18	0.26
1029	3,635,582.91	11,610,084.37	480.85	475.71	475.52	475.19	474.95	474.87	474.71	474.42	474.10	474.14	473.89	473.61	473.62	473.52	-0.10
1030	3,635,681.10	11,610,102.80	482.36	475.84	475.76	475.52	475.39	475.27	475.08	474.85	474.59	474.66	474.37	474.15	474.23	474.15	0.00
1041	3,635,699.44	11,610,004.53	477.69	471.05	470.71	470.52	470.30	470.19	469.98	469.77	469.54	469.57	469.33	469.03	468.99	469.02	-0.01
1042	3,635,601.14	11,609,986.14	476.05	473.04	472.81	472.50	472.32	472.22	472.01	471.88	471.61	471.62	471.49	471.17	471.23	471.14	-0.03
1043	3,635,502.84	11,609,967.77	474.98	472.29	472.12	471.75	471.55	471.44	471.52	471.31	471.02	471.02	470.76	470.54	470.68	470.53	0.00
1044	3,635,404.59	11,609,949.32	474.17	472.40	472.34	472.02	471.83	471.74	471.56	471.44	471.16	471.15	470.88	470.76	470.75	470.65	-0.11
1045	3,635,306.31	11,609,930.87	473.41	470.59	470.46	470.15	469.97	469.87	469.63	469.47	469.13	469.13	468.79	468.70	468.54	468.33	-0.36
1046	3,635,208.01	11,609,912.58	472.63	469.19	469.01	468.72	468.51	468.37	468.27	468.06	467.77	467.77	467.55	467.69	467.28	467.11	-0.57
1047	3,635,109.73	11,609,894.15	472.45	468.21	468.08	467.78	467.59	467.45	467.28	467.06	466.75	466.81	466.51	466.66	466.22	466.11	-0.55
1048	3,635,011.39	11,609,875.70	472.15	468.70	468.55	468.22	468.02	467.81	467.71	467.32	467.02	466.98	466.69	466.75	466.44	466.21	-0.55
1049	3,635,029.78	11,609,777.38	467.00	464.66	464.41	464.08	463.87	463.73	463.60	463.34	463.00	463.06	462.82	462.91	462.60	462.48	-0.43
1050	3,635,128.05	11,609,795.71	467.29	464.70	464.50	464.21	463.98	463.81	463.58	463.39	463.06	463.18	462.72	462.88	462.45	462.23	-0.65
1051	3,635,226.37	11,609,814.18	467.83	466.43	466.08	465.82	465.59	465.20	465.05	464.92	464.54	464.53	464.28	464.42	464.02	463.81	-0.61
1052	3,635,324.67	11,609,832.49	468.64	468.76	468.65	468.43	468.28	468.17	467.91	467.83	467.49	467.57	467.41	467.60	467.28	467.14	-0.47
1053	3,635,422.98	11,609,850.93	469.46	470.06	469.94	469.73	469.43	469.39	469.25	469.18	468.86	468.94	468.72	468.47	468.60	468.51	0.05
1054	3,635,521.22	11,609,869.39	470.28	468.78	468.73	468.41	468.16	468.08	467.91	467.76	467.51	467.48	467.27	466.99	467.17	467.03	0.03
1055	3,635,619.61	11,609,887.68	471.30	469.23	469.15	468.70	468.55	468.30	468.08	467.82	467.60	467.68	467.42	467.12	467.17	467.09	-0.03
1056	3,635,717.83	11,609,906.15	473.01	466.36	466.28	465.98	465.73	465.65	465.53	465.30	465.20	465.26	464.86	464.77	464.66	464.64	-0.13

TABLE 8
SUMMARY OF LANDFILL SETTLEMENT DATA
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

Point No.	Northing	Easting	FINISH TRASH ELEV	Elev 3/27/07	Elev 7/9/07	Elev 11/13/07	Elev 2/7/08	Elev 4/8/08	Elev 7/16/08	Elev 10/30/08	Elev 1/15/09	Elev 4/15/09	Elev 7/14/09	Elev 10/2/09	Elev 1/15/10	Elev 4/5/10	Difference in grade 10/2/09 to 4/5/2010
Control Area																	
1067	3,635,736.32	11,609,807.82	468.30	463.17	462.92	462.70	462.71	462.18	462.03	461.74	461.40	461.64	461.49	461.37	461.55	461.32	-0.04
1068	3,635,638.08	11,609,789.37	466.59	464.88	464.64	464.40	464.22	463.70	463.59	463.22	463.14	463.03	462.77	462.45	462.55	462.38	-0.07
1069	3,635,539.79	11,609,770.95	465.35	465.23	464.92	464.73	464.48	464.20	464.07	463.72	463.57	463.57	463.30	463.05	463.16	462.99	-0.07
1070	3,635,441.45	11,609,752.58	464.55	465.98	465.67	465.50	465.28	465.03	464.97	464.68	464.50	464.51	464.31	464.22	464.21	464.07	-0.15
1071	3,635,343.15	11,609,734.20	463.75	465.63	465.37	465.33	465.11	464.90	464.77	464.58	464.26	464.35	464.12	464.30	464.07	463.87	-0.44
1072	3,635,244.85	11,609,715.82	463.03	463.58	463.30	462.96	462.78	462.51	462.33	461.79	461.62	461.61	461.29	461.47	461.07	460.78	-0.69
1073	3,635,146.56	11,609,697.41	462.39	460.77	460.35	460.01	459.76	459.52	459.26	458.81	458.41	458.32	458.00	458.06	457.62	457.38	-0.68
1074	3,635,048.25	11,609,679.00	462.10	460.45	460.13	459.69	459.50	459.27	459.04	458.72	458.36	458.36	457.99	458.04	457.64	457.46	-0.58
1075	3,635,066.63	11,609,580.65	457.07	455.59	455.38	454.95	454.78	454.58	454.35	454.10	453.87	453.82	453.47	453.61	453.26	453.05	-0.56
1076	3,635,164.92	11,609,599.02	457.55	457.13	456.99	456.65	456.47	456.26	456.11	455.75	455.41	455.44	455.23	455.29	454.86	454.73	-0.56
1077	3,635,263.23	11,609,617.48	458.16	459.55	459.32	459.00	458.68	458.60	458.44	458.02	457.63	457.60	457.26	457.47	457.03	456.83	-0.64
1078	3,635,361.52	11,609,635.86	458.91	461.06	460.84	460.56	460.36	460.14	460.08	459.66	459.36	459.41	459.18	459.29	459.03	458.81	-0.47
1079	3,635,459.84	11,609,654.19	459.66	461.37	461.26	460.90	460.74	460.56	460.43	460.05	459.82	459.84	459.55	459.30	459.40	459.26	-0.04
1080	3,635,558.09	11,609,672.62	460.40	460.17	459.97	459.58	459.39	459.26	459.05	458.78	458.57	458.57	458.28	458.06	458.01	457.78	-0.28
1081	3,635,656.40	11,609,691.02	461.87	460.02	459.76	459.19	458.90	458.66	458.24	457.89	457.60	457.59	457.18	456.88	456.92	456.77	-0.11
1094	3,635,674.74	11,609,592.74	457.11	455.80	455.78	455.22	455.14	454.61	454.42	454.20	453.97	453.99	453.65	453.56	453.37	453.21	-0.35
1095	3,635,576.47	11,609,574.29	455.47	455.29	455.03	454.51	454.28	454.12	453.87	453.51	453.28	453.43	453.02	452.74	452.87	452.73	-0.01
1096	3,635,478.15	11,609,555.97	454.68	455.43	455.15	454.79	454.67	454.50	454.39	454.03	453.79	453.79	453.56	453.40	453.30	453.15	-0.25
1097	3,635,379.86	11,609,537.48	453.95	455.29	455.15	454.71	454.72	454.57	454.49	454.00	453.85	453.79	453.58	453.70	453.29	453.15	-0.56
1098	3,635,281.56	11,609,519.19	453.39	454.42	454.04	453.73	453.62	453.52	453.50	452.93	452.64	452.62	452.40	452.56	452.17	451.98	-0.58
1099	3,635,183.28	11,609,500.81	452.83	453.96	453.60	453.00	452.85	452.64	452.43	451.98	451.66	451.59	451.23	na	450.87	450.35	na
1100	3,635,084.97	11,609,482.37	452.26	442.06	441.87	441.57	441.52	441.35	441.26	441.08	440.89	440.82	440.56	na	440.41	440.28	na
1101	3,635,092.33	11,609,443.10	450.37	435.99	435.71	435.40	435.41	435.35	435.27	435.02	434.92	434.85	434.72	na	434.61	434.13	na
1103	3,635,201.68	11,609,402.49	445.81	--	434.39	434.23	434.13	434.06	433.94	433.93	433.82	433.77	433.59	na	433.50	433.37	na
1104	3,635,299.97	11,609,420.80	447.04	445.79	445.57	445.33	445.25	445.14	445.06	444.75	444.59	444.57	444.43	na	444.21	444.02	na
1105	3,635,398.26	11,609,439.26	448.29	449.86	449.39	449.13	449.05	449.18	449.07	448.66	448.66	448.37	448.24	448.40	448.02	447.91	-0.49
1106	3,635,496.53	11,609,457.76	449.54	450.26	450.21	449.73	449.70	449.51	449.33	449.13	448.92	448.95	448.67	448.42	448.39	448.18	-0.24
1107	3,635,594.83	11,609,476.11	450.64	450.43	450.27	449.71	449.52	449.28	448.96	448.61	448.36	448.38	448.11	448.02	447.81	447.72	-0.30
1108	3,635,693.11	11,609,494.53	452.33	450.03	449.93	449.42	449.32	449.08	448.89	448.69	448.58	448.60	448.27	448.11	448.22	448.05	-0.07
1121	3,635,711.48	11,609,396.28	446.90	445.89	445.65	445.23	445.13	444.80	444.58	444.25	444.12	444.07	443.87	443.62	443.65	443.63	0.01
1122	3,635,613.24	11,609,377.78	444.69	446.62	446.37	446.00	445.88	445.68	445.46	445.05	444.80	444.93	444.55	444.46	444.39	444.16	-0.31
1123	3,635,514.93	11,609,359.43	442.33	443.24	442.84	442.70	442.65	442.47	442.34	442.04	442.05	441.98	441.75	441.47	441.51	441.42	-0.06
1124	3,635,416.63	11,609,341.06	439.30	433.75	434.70	433.51	433.37	433.40	433.36	433.15	433.08	433.15	432.95	432.63	433.00	433.06	0.44
1125	3,635,629.81	11,609,289.23	436.26	438.93	438.65	438.37	438.34	438.15	437.95	437.61	437.33	437.31	437.16	437.07	436.81	436.79	-0.28
1126	3,635,729.92	11,609,297.95	441.15	442.58	442.50	442.11	441.98	441.80	441.73	441.40	441.21	441.20	440.96	440.64	440.73	440.66	0.02

TABLE 8
SUMMARY OF LANDFILL SETTLEMENT DATA
Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

Point No.	Northing	Easting	FINISH TRASH ELEV	Elev 3/27/07	Elev 7/9/07	Elev 11/13/07	Elev 2/7/08	Elev 4/8/08	Elev 7/16/08	Elev 10/30/08	Elev 1/15/09	Elev 4/15/09	Elev 7/14/09	Elev 10/2/09	Elev 1/15/10	Elev 4/5/10	Difference in grade 10/2/09 to 4/5/2010
Test Area																	
1009	3,635,841.19	11,610,336.14	495.22	481.54	481.19	480.95	480.79	480.61	480.46	480.14	479.86	479.97	479.55	479.39	479.33	479.20	-0.19
1010	3,635,939.49	11,610,354.55	496.94	481.12	480.88	480.39	480.07	479.83	479.47	479.14	478.72	478.77	478.33	478.08	477.93	477.79	-0.29
1011	3,636,037.73	11,610,372.92	498.66	482.53	482.06	481.34	481.01	480.74	480.35	479.93	479.62	479.51	479.07	478.79	478.62	478.46	-0.33
1012	3,636,135.89	11,610,391.31	500.32	486.05	485.96	485.52	485.41	485.08	484.79	484.41	484.04	483.93	483.53	483.41	483.10	482.81	-0.60
1013	3,636,154.20	11,610,293.02	495.65	483.07	482.89	482.61	482.53	482.42	482.29	482.07	481.89	481.91	481.59	481.27	481.48	481.32	0.05
1014	3,636,056.01	11,610,274.63	493.93	482.29	481.91	481.64	481.42	481.28	481.08	480.75	480.54	480.36	480.00	479.78	479.78	479.68	-0.11
1015	3,635,957.68	11,610,256.23	492.21	480.15	479.68	479.48	479.29	479.08	478.88	478.58	478.29	478.47	477.84	477.75	477.75	477.65	-0.10
1016	3,635,859.38	11,610,237.82	490.48	479.55	479.42	479.34	479.24	479.01	478.83	478.63	478.33	478.15	477.94	477.64	477.85	477.81	0.17
1017	3,635,761.00	11,610,219.44	488.77	480.97	480.72	480.53	480.37	480.23	480.06	479.74	479.53	479.50	479.18	478.88	478.92	478.91	0.03
1031	3,635,779.51	11,610,121.17	484.07	475.40	475.44	475.18	475.07	474.98	474.73	474.50	474.25	474.17	473.93	473.61	473.78	473.72	0.11
1032	3,635,877.83	11,610,139.57	485.78	477.38	477.33	477.21	477.08	476.99	476.86	476.63	476.39	476.37	476.09	475.97	476.04	475.94	-0.03
1033	3,635,976.12	11,610,157.96	487.49	478.24	478.00	477.93	477.89	477.69	477.53	477.26	477.08	477.06	476.65	476.35	476.68	476.54	0.20
1034	3,636,074.38	11,610,176.37	489.20	478.69	478.46	478.35	478.26	478.25	478.26	477.91	477.71	477.76	477.63	477.54	477.52	477.46	-0.07
1035	3,636,172.64	11,610,194.76	490.91	474.13	473.87	473.76	473.89	473.70	473.70	473.47	473.23	473.09	472.92	472.70	472.78	472.71	0.02
1036	3,636,190.94	11,610,096.48	486.24	469.94	469.91	469.72	469.66	469.65	469.55	469.38	469.14	469.35	469.21	469.12	469.07	469.02	-0.10
1037	3,636,092.58	11,610,078.09	484.53	474.08	474.09	473.78	473.68	473.62	473.37	473.18	472.93	473.01	472.78	472.50	472.50	472.44	-0.06
1038	3,635,994.28	11,610,059.72	482.82	472.15	471.95	471.67	471.36	471.48	471.22	470.99	470.58	470.69	470.35	470.10	470.02	469.97	-0.13
1039	3,635,896.02	11,610,041.31	481.11	472.54	472.45	472.24	472.11	472.01	471.85	471.63	471.41	471.46	471.16	471.04	471.00	470.93	-0.11
1040	3,635,797.72	11,610,022.91	479.40	470.63	470.62	470.25	470.09	470.09	469.97	469.76	469.41	469.46	469.33	469.24	469.06	469.12	-0.12
1057	3,635,816.15	11,609,924.54	474.73	464.72	464.68	464.32	464.25	464.36	463.99	463.89	463.63	463.81	463.53	463.37	463.40	463.23	-0.14
1058	3,635,914.40	11,609,942.95	476.44	467.38	467.53	467.28	467.35	467.25	467.18	467.08	466.98	466.95	466.73	466.43	466.57	466.57	0.14
1059	3,636,012.73	11,609,961.33	478.16	468.87	468.74	468.34	468.37	468.46	467.74	467.59	467.18	467.28	467.05	466.96	466.80	466.68	-0.28
1060	3,636,111.00	11,609,979.74	479.88	470.68	470.62	470.30	470.03	469.99	469.69	469.60	469.41	469.44	469.22	469.10	468.86	468.72	-0.39
1061	3,636,209.35	11,609,998.10	481.58	466.85	466.76	466.63	466.57	466.52	466.36	466.31	466.17	466.27	466.09	465.93	465.98	465.95	0.02
1062	3,636,227.79	11,609,899.79	476.87	463.08	462.94	462.78	462.75	462.69	462.60	462.30	462.18	462.25	461.95	461.70	461.75	461.62	-0.08
1063	3,636,129.59	11,609,881.36	475.16	465.69	465.46	464.99	464.80	464.68	464.49	464.18	463.88	463.95	463.50	463.41	463.35	463.21	-0.19
1064	3,636,031.25	11,609,862.99	473.44	467.29	466.98	466.53	466.38	466.08	465.72	465.36	464.91	464.84	464.33	464.11	463.90	463.62	-0.49
1065	3,635,932.97	11,609,844.58	471.72	463.84	463.76	463.53	463.42	463.30	463.16	462.79	462.62	462.62	462.32	462.00	461.98	461.81	-0.19
1066	3,635,834.57	11,609,826.23	470.00	460.67	460.46	460.29	460.17	460.08	459.94	459.78	459.69	459.69	459.50	459.41	459.27	459.17	-0.24
1082	3,635,754.73	11,609,709.37	463.58	460.39	460.36	459.98	459.88	459.64	459.43	459.21	459.06	459.08	458.85	458.69	458.73	458.56	-0.13
1083	3,635,853.02	11,609,727.79	465.29	456.86	456.95	456.69	456.68	456.64	456.63	456.31	456.30	456.30	456.18	455.93	456.09	455.97	0.04

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Project XL
Maplewood Recycling and Waste Disposal Facility
Amelia County, Virginia

Point No.	Northing	Easting	FINISH TRASH ELEV	Elev 3/27/07	Elev 7/9/07	Elev 11/13/07	Elev 2/7/08	Elev 4/8/08	Elev 7/16/08	Elev 10/30/08	Elev 1/15/09	Elev 4/15/09	Elev 7/14/09	Elev 10/2/09	Elev 1/15/10	Elev 4/5/10	Difference in grade 10/2/09 to 4/5/2010
Test Area																	
1084	3,635,951.27	11,609,746.21	466.99	461.03	461.00	460.69	460.56	460.45	460.33	460.14	460.09	460.16	459.84	459.75	459.74	459.61	-0.14
1085	3,636,049.55	11,609,764.61	468.70	461.60	461.65	461.18	461.14	460.74	460.64	460.55	460.31	460.38	460.12	459.84	460.12	459.90	0.06
1086	3,636,147.94	11,609,782.97	470.41	461.28	461.23	460.94	460.85	460.76	460.60	460.48	460.35	460.21	460.18	460.09	460.20	460.06	-0.03
1087	3,636,246.13	11,609,801.40	472.13	460.79	460.66	460.46	460.35	460.29	460.13	460.01	459.90	459.93	459.72	459.50	459.51	459.50	0.00
1088	3,636,264.49	11,609,703.13	467.33	461.21	461.27	461.18	461.11	461.15	461.17	460.94	460.93	461.04	460.80	460.50	460.83	460.77	0.26
1089	3,636,166.21	11,609,684.72	465.68	458.72	458.65	458.34	458.30	458.17	457.98	457.58	457.40	457.33	456.92	456.83	456.63	456.40	-0.42
1090	3,636,067.97	11,609,666.29	463.98	455.28	455.38	455.04	454.92	454.97	454.80	454.59	454.50	454.68	454.35	454.23	454.28	454.18	-0.06
1091	3,635,969.64	11,609,647.92	462.27	453.70	453.59	452.96	453.07	453.06	452.93	452.65	452.55	452.56	452.34	452.18	452.30	452.11	-0.07
1092	3,635,871.35	11,609,629.52	460.56	453.33	453.21	453.03	453.14	453.13	453.04	452.80	452.77	453.20	452.73	452.64	452.70	452.75	0.11
1093	3,635,773.00	11,609,611.20	458.84	456.13	455.96	455.79	455.71	455.45	455.26	455.13	455.07	455.10	454.91	454.59	454.69	454.66	0.07
1109	3,635,791.40	11,609,512.91	454.05	450.53	450.29	450.05	449.92	449.68	449.48	449.40	449.27	449.25	449.17	448.89	449.03	448.94	0.05
1110	3,635,889.74	11,609,531.28	455.78	449.22	449.08	448.42	448.36	448.20	448.06	447.76	447.62	447.52	447.37	447.25	447.10	446.94	-0.31
1111	3,635,988.07	11,609,549.63	457.51	448.89	448.98	448.53	448.41	448.46	448.36	448.00	447.82	447.94	447.73	447.43	447.63	447.51	0.07
1112	3,636,086.37	11,609,568.01	459.24	452.24	451.92	451.80	451.75	451.79	451.72	451.29	451.30	451.66	451.27	451.18	451.11	451.02	-0.16
1113	3,636,184.68	11,609,586.40	460.95	452.23	452.36	452.02	451.92	451.90	451.82	451.55	451.42	451.58	451.37	451.12	451.32	451.20	0.09
1114	3,636,282.85	11,609,604.89	461.20	456.83	456.71	456.66	456.69	456.71	456.70	456.54	456.50	456.58	456.34	456.22	456.44	456.27	0.04
1115	3,636,301.28	11,609,506.56	455.34	451.41	451.30	451.30	451.29	451.27	451.26	451.13	451.00	451.19	450.91	450.69	450.73	450.63	-0.06
1116	3,636,202.99	11,609,488.15	456.19	448.05	447.88	447.10	447.10	447.21	447.11	446.83	446.88	446.86	446.85	446.53	446.84	446.72	0.19
1117	3,636,104.71	11,609,469.78	454.46	446.74	446.59	447.60	447.30	447.35	447.11	446.78	446.76	446.92	446.69	446.39	446.68	446.64	0.24
1118	3,636,006.39	11,609,451.41	452.73	447.10	447.62	447.05	447.18	447.05	446.99	446.78	446.73	446.94	446.71	446.49	446.57	446.42	-0.06
1119	3,635,908.14	11,609,432.94	451.00	443.96	444.12	443.80	443.83	443.72	444.00	443.56	443.61	443.79	443.54	443.26	443.46	443.34	0.08
1120	3,635,809.87	11,609,414.54	448.91	445.99	445.88	445.69	445.59	445.33	445.29	445.23	445.18	445.33	445.10	445.01	445.03	444.98	-0.03
1127	3,635,828.22	11,609,316.33	443.08	439.56	439.39	439.48	439.55	439.82	439.76	439.54	439.45	439.76	439.61	439.45	439.64	439.45	0.00
1128	3,635,926.52	11,609,334.68	444.35	440.76	440.57	440.35	440.37	440.48	440.29	440.16	440.14	440.15	439.99	439.77	439.77	439.74	-0.03
1129	3,636,024.81	11,609,353.11	446.94	444.91	444.80	444.58	444.72	444.60	444.61	444.38	444.29	444.52	444.39	444.14	444.29	444.19	0.05
1130	3,636,123.13	11,609,371.52	449.53	--	444.03	443.82	444.01	443.98	443.79	443.70	443.57	443.86	443.60	443.28	443.57	443.49	0.21
1131	3,636,221.45	11,609,389.88	451.41	--	--	445.24	445.08	445.10	445.05	444.84	444.72	444.91	444.73	444.45	444.68	444.62	0.17
1132	3,636,319.64	11,609,408.34	449.36	444.34	444.34	443.87	443.72	443.71	443.64	443.36	443.09	443.57	443.18	443.02	443.02	442.91	-0.11
1133	3,636,337.98	11,609,310.06	442.26	443.22	443.34	443.06	443.06	443.01	442.98	442.95	442.86	443.08	442.80	442.52	442.88	442.72	0.20
1134	3,636,239.72	11,609,291.66	444.64	446.34	446.23	445.99	445.93	445.79	445.69	445.40	445.15	445.36	444.90	444.60	444.63	444.43	-0.17
1135	3,636,141.46	11,609,273.23	442.38	446.32	446.25	446.08	445.98	445.95	445.70	445.63	445.40	445.39	445.22	445.00	444.87	444.73	-0.27
1136	3,636,043.11	11,609,254.88	440.58	444.10	444.08	444.03	444.09	444.01	444.04	443.96	443.75	444.03	443.88	443.58	443.86	443.74	0.16

APPENDIX E

LANDFILL GAS DATA

(complete data not available at the time of report; historic summary data included in report, complete data available upon request)

LFG Control Services, Inc.
1208 Goldenrod CT.
Yardley, PA 19067 ***Phone: (215) 429-0710***

April 24, 2010
Mr. Brian McClung
Maplewood Landfill
20221 Maplewood Road
Jetersville, VA 23083

Subject: **NSPS Surface Scan Report**
Maplewood Landfill
1st Quarter 2010

Dear Mr. McClung,

Enclosed are the results of the 1st Quarter 2009 NSPS surface emissions monitoring event performed at the Maplewood Landfill located in Amelia County, VA, by LFG Control Services, Inc. (LFGCS).

Surface Scan Summary

The survey was conducted in accordance with the published landfill performance sections: 40 CFR 60.753d - surface scan requirements, 40 CFR 60.755c - surface scan compliance provisions, and 40 CFR 60 Appendix A, Method 21 - equipment performance provisions.

Data was collected on March 9th (survey and ten day recheck), and April 8th (one month recheck), 2010. Instrument calibration and response factor determination were performed and logged prior to the collection of survey data. Performance results were consistent with 40 CFR 60 Appendix A, Method 21 requirements and are included as Tables 1 and 2 of this report.

A Photovac Mirofid I/S (S/N 126943) Organic Vapor Analyzer (OVA) with hydrogen flame ionization was utilized to determine surface methane levels on the areas of the landfill that incorporate full gas collection system components (5-year in-place active filling areas or 2-year in-place inactive or final grade areas). The survey path followed the maximum thirty (30) meter separation distance of the serpentine traverse required by section 40 CFR 60.753d. The monitoring route and OVA readings (exceedences only) are presented on the enclosed drawing titled "Maplewood Landfill - Surface Emissions Monitoring – 1st Quarter 2010".

Surface Scan Results

The results indicated three (3) exceedences of the 500 parts per million limit along the survey path, any areas marked by erosion or stressed vegetation, and all leachate sump houses and piping protrusions through the capping system. All areas were promptly addressed by site personnel and provided a ten-day and a one month follow-up reading below the 500 PPM limit. Initial and follow-up readings as well as a description of corrective measures are provided in Table 3 of this report. In accordance with section 40 CFR 60.755(c)(4)(iv) no additional monitoring is required until the next quarterly monitoring event.

If you have any questions or require any additional information concerning this report, please contact the undersigned at (215) 429-0710.

Sincerely,

Roy F. Carmasine
LFG Control Services, Inc.

Enclosures
cc: Jason Williams w/enc.

Table 1

Instrument Evaluation

40 CFR 60.755(d)(3) – Appendix A, Method 21, section 4.4

Event: Maplewood Landfill 1st Quarter 2010 NSPS Fugitive Emissions Scan
Date: March 9, 2010 Time: 7:00 AM – 11:30AM
Technician: Roy Carmasine, LFGCS
Instrument: Photovac Microfid I/S s/n 126943 Calibration Gas: 500PPM methane in air

1.) Response Factor (4.4.1):

The response factor is the ratio of the observed meter reading of a known VOC compound other than the compound used for calibration, to the reading of the actual calibration compound. Because the compound being evaluated and the calibration compound are the same (methane), the response factor is one (1.0).

2.) Calibration Precision (4.4.2):

Calculate the average algebraic difference between the meter readings of the calibration gas and the known value with a total of three measurements. Divide this average difference by the known value and multiply by 100 to obtain the calibration precision as a percentage. The calibration precision must be equal to or less than 10 percent of the calibration gas value. Frequency: once per quarterly event.

Test No.	Meter Reading	Known Value	Difference	
1	500	500	0	
2	495	500	5	Average difference: 3
3	496	500	4	**Calibration Precision: 1%**

3.) **Response Time (4.4.3):**

Introduce zero gas into the instrument sample probe. When the meter reading has stabilized, switch quickly to the specified calibration gas. Measure the time from switching to when 90 percent of the final stable reading is attained. Perform this test sequence three times and record the results. Calculate the average response time. The response time must be equal to or less than 30 seconds. Frequency: once per quarterly event.

Test No.	Time to attain 90% of known concentration (450 PPM)	
1	15 seconds	
2	13 seconds	
3	15 seconds	**Average Response Time: 14 seconds**

Table 2

Daily site conditions, background readings, calibration record

40 CFR 60.755(d)(4), 40 CFR 60.755(c)(2)

Date: 3/9/10 **Time: 7:00 AM – 11:30 AM**

Site conditions: Temperature: 60 F Wind Direction / Speed: W / 6 mph
Precipitation: none Ground Condition: dry

Background Readings / Location: Upwind: 0.0 PPM / western perimeter road
Downwind: 0.0 PPM / eastern perimeter road

Calibration record: Cal. Date: 3/9/10 Instrument: Photovac Mirofid s/n. 126943 Technician: RFC
Cal. Gas / Meter Setting: 500 PPM Methane in air / 500 PPM (internal zero set)

Date: 4/8/10 **Time: 6:30 AM – 7:30 AM**

Site conditions: Temperature: 66 F Wind Direction / Speed: W / 10 mph
Precipitation: none Ground Condition: dry

Background Readings / Location: Upwind: 0.0 PPM / western perimeter road
Downwind: 0.0 PPM / eastern perimeter road

Calibration record: Cal. Date: 3/9/10 Instrument: Photovac Mirofid s/n. 126943 Technician: RFC
Cal. Gas / Meter Setting: 500 PPM Methane in air / 500 PPM (internal zero set)

Table 3

Maplewood Landfill Surface Emission Monitoring

1st Quarter 2010 Data Record

Exceed.#	Initial Date	Description / Corrective actions taken by site personnel.	nrth coord. / east coord.	Initial and follow-up readings*/ Time: Initial PPM	10-day	2nd10-day	one month	120day action req'd
1	3/9/10	Methane from 20 ft. X 50 ft. eroded intermediate cover area on east slope of Phase #12. / Site added and compacted additional cover soils.		1750 8:10 AM	63 11:10 AM	n/a	112 6:40 AM	
2	3/9/10	Methane from 40 ft. X 120 ft. eroded intermediate cover area on Phase 3 top. / Site added and compacted additional cover soils.		1530 10:05 AM	120 11:20 AM	n/a	84 6:48 AM	
3	3/9/10	Methane from soils at base of gas well GW-190. / Site sealed base of well.		2250 10:38 AM	460 11:25 AM	n/a	440 6:56 AM	

* Background reading on monitoring date subtracted from actual meter reading

** 2nd exceedence only

APPENDIX F

GROUNDWATER QUALITY COMPLIANCE

ENGINEERING, INC.

Waste Industry Experts

Joyce Engineering, Inc
1604 Ownby Lane
Richmond, VA 23220

tel: **804/355-4520**
fax: **804/355-4282**

www.JoyceEngineering.com

June 3, 2010

Mr. Brian McClung
Maplewood Landfill
Waste Management of Virginia, Inc.
P.O. Box 168
Amelia, Virginia 23002

Re: Maplewood Recycling and Waste Disposal Facility, Permit No. 540
XL Project
Amelia County, Virginia
JEI Project No. 448.1001.03/Task No. 01/File No. 6.2

Dear Mr. McClung:

In accordance with the Site Rule Making Requirements for the XL Project, Joyce Engineering, Inc. has compared the available groundwater monitoring data (1996 to June 2010) for the uppermost aquifer compliance monitoring network at the Maplewood Recycling and Waste Disposal Facility, Permit No. 540, to the current Maximum Contaminant Levels (MCL) for the constituents that are listed in Table 1 of 40 CFR Part 258.40.

Based on the review, the following constituents in Table 1 of 40 CFR Part 258.40 have been detected at concentrations that exceed the current MCL; however, it is noted that the detected concentrations were less than the facility background concentrations at the time of detection. Subsequently, the concentrations did not represent statistically significant concentrations and the monitoring program at the Maplewood Recycling and Waste Disposal Facility, Permit No. 540, was allowed to continue in the Detection Monitoring Program.

Constituent	Current MCL (ug/L)	Sample Location	Sample Date	Monitoring Result (ug/L)
Lead	15.0	MW-17R2	7/15/97	61
		MW-18	10/14/96	19
		MW-22	7/9/96	30
		MW-24	7/9/96	20

Note that monitoring wells MW-22 and MW-24 are not part of the existing permitted monitoring network for this facility. Wells MW-22 and MW-24 are scheduled to be added to the monitoring network with expansion of the waste management unit boundary and are currently monitored for background purposes.

If you have any questions, please contact me at 804-355-4520.

Sincerely
JOYCE ENGINEERING, INC.

Jason A. Miller
Senior Project Consultant

c: ✓ Lei Yuan, Geosyntec Consultants, Inc.

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