Pennsylvania Avenue Landfill
Brooklyn, New York
NYSDEC Site No. 224002

Quarterly Post Closure Operation, Maintenance and Monitoring Report
October 2010 through December 2010

February 2011

New York City Department of Environmental Protection
Bureau of Wastewater Treatment
96-05 Horace Harding Expressway
2nd Floor, Low-rise Building
Corona, NY 11368- 5107

Table of Contents

Section 1 – Introduction ……page 1

Section II – Site Background……..page 1

Section III – Quarterly Summary……page 3

Section IV – Conclusions and Recommendations……..page 12

List of Figures

Figure 1 – Site Map

Figure 2 – Pre-treatment System Schematic

Figure 3 – Gas System Schematic

Figure 4 – Landfill Cover Inspection Zones

Figure 5 – Groundwater Monitoring Wells

Figure 6 – Perimeter Gas Wells

List of Tables

Table 1 – Summary of Target Volatile Organic Compounds (VOCs) Detected in Groundwater Samples

Table 2 – Summary of Target Semi-Volatile Organic Compounds (SVOCs) Detected in Groundwater Samples

Table 3 – Summary of Leachate Indicator Parameters Detected in Groundwater Samples

Table 4 – Summary of Metals Detected in Groundwater Samples

Table 5 – Summary of Perimeter Gas Monitoring Well Results

Table 6 – Summary of Gas Monitoring Results within the Groundwater Leachate Pre-Treatment Building

List of Appendices

Appendix A – GWL Inspections

Appendix B – M-1 Self Monitoring Reports and Analyses

Appendix C – LFG Inspections

Appendix D – SWM, ANS and FCS Inspections

Appendix E – Groundwater Monitoring

Appendix F – Landfill Gas Migration Monitoring

Appendix G – Data Validation Report (provided on CD)

Section I - Introduction

This Quarterly Report has been prepared by the New York City Department of Environmental Protection (NYCDEP) to fulfill the reporting requirements contained in the Pennsylvania Avenue Landfill (PAL) Operation and Maintenance (O&M) Manual and the PAL Monitoring Plan to document the operation, maintenance and monitoring activities performed between October 1, 2010 and December 31, 2010.

Section II - Site Background

The PAL inactive hazardous waste disposal site is located on 110 acres at the southern end of Pennsylvania Avenue in Brooklyn, New York. It is bounded by the Belt Parkway, Jamaica Bay, Hendrix Creek and Fresh Creek. A site location map is provided in Figure 1.

In 1956, the site was opened to receive residential and commercial wastes, including construction and demolition (C&D) residuals and waste oil. In 1962, land-filling activities shifted to the Fountain Avenue Landfill. The Pennsylvania Avenue Landfill was reopened for disposal of C&D wastes in 1968. It is reported that, between 1974 and 1980, illegal dumping of hazardous wastes occurred at the site. Disposal of all wastes stopped by 1980, and the site was added to the registry of inactive hazardous waste disposal sites requiring surveillance. In 1983, the site was reclassified to a Class 3, which is a site considered not to pose a significant threat, and for which action can be deferred. After an oil inventory and product recovery feasibility study conducted in 1984, the landfill was reclassified to a Class 2, a site which poses a significant threat to public health or the environment.

On December 16, 1985 and again on April 17, 1990, the New York State Department of Environmental Conservation (NYSDEC) executed Orders on Consent with the New York City Department of Sanitation (DOS) to close and remediate the site. On April 7, 1992, the New York City Department of Environmental Protection (NYCDEP) entered into a Consent Order with the NYSDEC to perform a remedial program at the site.

In response to this, NYCDEP conducted a Remedial Investigation/Feasibility Study (RI/FS) to determine the nature and extent of contamination. The Final RI/FS, dated May 1994, revealed that certain areas and media at the site required remediation; a summary of these results follows:

- Surface soil and sediment samples exhibited varying levels of volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), metals, pesticides and PCBs contamination.
- It was determined that a floating product plume beneath the site contaminated the groundwater in the leachate mound and the surface water in Fresh Creek. Tests indicated that the waste oils with the capacity to migrate to the shoreline had already done so, and the

remaining oils are stationary. Aside from the VOC and SVOC levels associated with petroleum oils, the waste oil contained PCB levels that classify it as a hazardous waste.

- Groundwater in the leachate mound (U wells – fill aquifer) was somewhat contaminated with VOCs, SVOCs and PCBs, and it was more so in the areas where it was in contact with the plume. The shallow and deep Upper Glacial Aquifer (S & D wells) did not require remediation because they did not exhibit significant levels of contamination.

By the Order on Consent, Interim Remedial Measures (IRM) were implemented. An interim cover was placed to prevent casual contact with exposed waste and minimize emissions. Rip-rap was installed for shoreline protection. Construction of a passive waste oil interceptor trench was completed in January 1994. The purpose of the trench is to capture waste oil before it reaches Fresh Creek; however, to date oil migration to the trench has been minimal.

The goals for the remediation program were set to eliminate or minimize the threats to the public health and the environment, by addressing the contamination of subsurface soils and waste disposal areas; by protecting surface waters through eradication of run-off and erosion from contaminated substrates and the migration of leachate into surrounding waters; by minimizing the impact of contaminated groundwater; by reducing soil and sediment contamination levels and removing the possibility of human or animal contact; and, by controlling and containing landfill gas emissions.

The Final Feasibility Study Report, dated September 1994, detailed the selection process and the remedial alternative chosen. The option selected included a 6 NYCRR Part 360 cap, leachate collection along Fresh Creek, limited sediment excavation, active gas control, and long term monitoring of site media.

The Record of Decision (ROD), dated February 1995, presented the remedial action. In accordance with the ROD, the site was remediated under construction contracts Nos. LF-PAL-G2/E2 and LF-PAL-G3. The main elements of this action included:

- Remediation of approximately 30,000 cubic yards of sediment along the Fresh Creek shoreline.
- Installation of a groundwater/leachate management system consisting of a 750-feet-long interceptor trench, two pumping stations, a force-main and an enclosed leachate pretreatment system with subsequent disposal to the 26th Ward Wastewater Treatment Plant (WWTP).
- Regrading of the site to provide proper drainage and minimize erosion.
- Installation of a stormwater collection, conveyance and outfall system.
- Installation of an actively vented impermeable final cover consisting, from top to bottom, of a vegetated top soil layer (6” minimum), a soil barrier protection layer (12”), a Type 2 cover double-sided geocomposite drainage layer or a Type 1 cover cushion geotextile, an LLPDE geomembrane liner (40 mil thick), and a sub-base grading fill layer.
- Planting of warm season grasses and approximately 13,000 shrubs and trees
- Installation of an active landfill gas (LFG) collection system and flaring station.

The ROD called for a pre-approved Post-Closure Monitoring, Sampling and Analysis Plan (the Monitoring Plan, the Plan) to commence within one month of NYCDEP's receipt of NYSDEC's written approval of the Final Engineering Report (FER) for the site. The FER acceptance letter was dated March 26, 2009, and the first monitoring round was initiated within a month of its receipt and performed in accordance with the Monitoring Plan requirements. Subsequently, the Monitoring Plan has been revised to allow the low-flow sampling method to be used to collect groundwater samples for the analysis of both the inorganic and organic constituents. The requirements of the revised Monitoring Plan were utilized commencing with the second Post-Closure monitoring event. In accordance with the Monitoring Plan, water elevation and sample collection and analysis is performed for the ten groundwater monitoring wells, and soil gas quality readings are taken from the five gas monitoring wells located beyond the perimeter of the cap, parallel to the Belt Parkway. Monitoring is conducted on a quarterly basis until NYSDEC authorizes a different monitoring frequency.

Prior to approval of the FER, a preliminary groundwater sampling and analysis round was conducted in July 2007. Since their installation in May 2008, the perimeter soil gas wells are monitored as needed and quarterly as mandated by the Monitoring Plan.

Section III – Quarterly Summary

This quarterly report covers the period from October 1, 2010 and December 31, 2010.

1. Groundwater/Leachate Management System

The groundwater/leachate management system represents one of the components of the selected remedy in the Site's ROD**.** The ROD stipulated the construction of an active leachate collection trench in the area of the waste oil outbreak along Fresh Creek and to pump the leachate to an on-site facility for treatment prior to discharge.

The groundwater/leachate collection, pretreatment and disposal system was designed to prevent migration of groundwater/leachate containing oil and dissolved contaminants to Fresh Creek Basin and to produce a treated effluent acceptable for discharge to the 26th Ward WWTP. The effluent is regulated under NYCDEP's Industrial Wastewater Discharge Permit No. 07-P3145-2, effective from August 27, 2007 to August 26, 2012.

The main components of the groundwater/leachate management system consist of a stone filled interceptor trench with two pump stations; a 3-inch diameter HDPE leachate force main carrier pipe in a 6-inch diameter HDPE casing pipe; a pre-treatment facility and a 4-inch diameter HDPE pretreated leachate force main pipe ultimately discharging to a junction manhole at the 26th Ward WWTP.

The groundwater/leachate pre-treatment facility was designed to treat up to 30 gpm, but currently the facility treated an average of about 17.8 gpm this quarter. The pretreatment

facility components include oil-water separation with citric acid conditioning, bag filtration and carbon adsorption. Figure 2 shows the Pre-treatment System Schematic.

During the fourth quarter of 2010, the pretreatment system treated and discharged 2,142,792 gallons of leachate to the WWTP. The table below summarizes the flow data for the quarter.

	Oct-10	Nov-10	Dec-10	Quarter
Total Flow (Gallons)	**813,510**	**691,270**	**638,012**	**2,142,792**
Average Flow (GPM)	**20.5**	**17.0**	**16.0**	**17.8**
Average Daily Flow (GPD)	**28,052**	**23,837**	**21,267**	**24,350**
Maximum Daily Flow (GPD)	**34,900**	**36,840**	**33,500**	**36,840**
Number of days in service	**29**	**29**	**30**	**88**
Percent of time in service	**89.0%**	**93.9%**	**89.3%**	**90.7%**

Pumping to the pretreatment plant was paused for oil-water separator (OWS) and coalescer desludging and maintenance, carbon absorber backwashing, high differential pressure during bag filter replacement and work on the flow meter, discharge suction tank level sensor and pump stations; these are necessary maintenance items. Down time was also encountered due to high differential pressure at the transfer filters caused by unusually high solids in the influent. The leachate pretreatment facility was down for a total of 204.7 hours or 9.3 percent of the total operational time. The effluent flow meter (FT-301) stopped working on November 4th. After in-house and manufacturer attempts to maintain and repair the meter, a replacement is being ordered. In the interim, the influent flow meter and the City water meter readings are being used to determine the plant discharge flow. The influent flow meter was calibrated and certified on September 1, 2010. There was no untreated leachate discharge or offsite migration.

During this period, 5,350 pounds of citric acid were added, at a dosage of 299.4 mg/L, to adjust the influent pH and enhance treatment. On October 27th, a citric acid delivery was received. The citric acid feed is on automatic mode.

The filter bag on the newly installed filter at the influent to the Oil-Water Separator Tank was replaced nine times, with 300 mc bags. The OWS was desludged and washed, and the coalescers were removed and thoroughly cleaned, on October 22nd, November 17th and December 15th. This maintenance task is extending the life of the petro-screen coalescers and the downstream process units. There is no floating product found on the surface of the OWS. Sludge is removed and transferred to totes, were it is allowed to settle and the water is then decanted to the head of the plant.

The two transfer filters, F-201 and F-202, are run in parallel. The filter bags are normally replaced three times per week, on Mondays and Wednesdays with 50 mc bags, and, on Fridays, with 100 mc bags. During this quarter, fifty-four 50 mc, twenty-eight 100 mc and two 150 mc filter bags were used at the transfer filter station.

The two 5,000 lb carbon absorbers are run in parallel. To extend the life of the carbon, the absorbers were backwashed on October 4th, 8th, 18th and 25th, November 1st, 8th, 15th and 22nd,

and December 6th and 20th. The installation of the twin filters and related equipment is in progress and scheduled to be completed next quarter.

Inspection and monitoring of the groundwater/leachate pretreatment system was conducted following the O&M Manual procedures. Daily Operations, bi-weekly (GWL-1), monthly (GWL-2), quarterly (GWL-3) and semi-annual (GWL-4) inspections were performed. Another form, DP-1, "Description of Deficiencies and Problems," is used to highlight specific problems requiring timely attention. The only deficiency noted at the end of the quarter, the malfunctioning Discharge Suction Tank level sensor was replaced on December 6th and will be fine tuned next quarter. Copies of the inspection reports are attached in Appendix A for this reporting period.

The M-1 pretreatment system effluent is regulated by NYCDEP Industrial Wastewater Discharge (IWD) Permit No. 07-P3145-2. In accordance with the permit, effluent samples were collected on October 19th, November 22nd and 23rd, and December 13th. Appendix B contains the results of the laboratory analyses.

The Self Monitoring Report was submitted to the NYCDEP Industrial Pretreatment & Permit Section. There were no exceedances of any of the permit parameters during this quarter. A copy of this report is included in Appendix B.

While the NYCDEP Industrial Wastewater Discharge (IWD) permit regulations require monthly monitoring of the pre-treatment system effluent, the permit does not require any other monitoring to be performed within the pre-treatment system. However, as discussed in previous Quarterly Post-Closure OM&M Reports, NYCDEP has incorporated semi-annual influent sampling for the same parameters as the M-1 sampling event to monitor and document the pre-treatment plant influent (i.e., leachate interceptor trench) water quality and provide an indication of the overall treatment system efficiency. As directed by NYCDEP, the sampling frequency was increased to a monthly collection schedule in November. Every month, the samples are collected at the same time as the effluent samples, and once a quarter concurrent with the groundwater monitoring event so that the data can be validated together and current water quality conditions in the interceptor trench can be properly documented. The increase in frequency of influent sample analysis was based on the influent water quality results to date which indicate minimal landfill leachate impacts to the groundwater in the trench. The influent sample analyses have shown that the influent water quality meets the permit discharge limits without pre-treatment. Further evaluation will be provided in the annual report for the second year of post-closure monitoring. It is anticipated that if the influent water quality continues to meet the Industrial Wastewater Permit discharge requirements there will no longer be a need for pre-treatment and a request will be made to pump the water from the interceptor trench directly to the 26th Ward Wastewater Treatment Plant.

Pre-treatment facility influent samples were collected on November 22nd-23rd, and December 13th. There were no exceedances of any of the IWD permit parameters in the influent sample results as indicated in the table below. A copy of the analytical report is included in Appendix B.

The influent samples collected were analyzed for metals, leachate parameters, volatile and semivolatile compounds and PCBs. The majority of these parameters, including PCBs, were not detected. For comparison purposes, the concentrations of the detected parameters were evaluated based on the IWD permit limits for the pretreatment system discharge and NYSDEC saline surface water standards. It should be noted that there are no groundwater standards for saline water. A summary of this evaluation is provided in the table below:

Parameters Detected in 6/9/10, 9/8/10 and/or 12/13/10 Samples	Unit of Measure	IWD Permit Discharge Limit(s)	NYSDEC Saline SW Standard(s)	Standard Type	Sample Results	
					11/22/2010	**12/13/2010**
Chromium, total	mg/L	5.0*	0.0054*	A(C)	**0.006**	<0.025
Copper	mg/L	5	0.0034 or 0.0048	A(C) or A(A)	**0.06**	<0.05
Nickel	mg/L	3	0.0082 or 0.074	A(C) or A(A)	<0.01	<0.05
Zinc	mg/L	5	0.066	A(C)	<0.001	**0.76**
BOD	mg/L	--	--		<50	<10
Chloride	mg/L	--	--		4,900	3,300
Nitrate	mg/L	--	--		<0.5	0.5
Nitrogen	mg/L	--	--		68	55
TSS	mg/L	350	--		50	13
TKN	mg/L	--	--		68	54
pH	SU	5.0 - 11.0	--		6.80	6.88
Benzene	ug/L	134 or 57**	190 or 670	A(C) or A(A)	<5	<1
Chlorobenzene	ug/L	--	5_{GV}	A(C)	**29**	**21**
Ethylbenzene	ug/L	380 or 142**	4.5 or 41	A(C) or A(A)	<5	<1
Bis(2-ethylhexyl) Phthalate	ug/L	--	--		<1	<1
Di-n-butyl Phthalate	ug/L	--	--		1.1	<1
N-Nitrosodiphenylamine	ug/L	--	--		7.2	<1

Notes:

mg/L = milligrams per Liter.

ug/L = micrograms per Liter.

SU = Standard Units.

-- No standard available.

A(A) = Fish survival.

A(C) = Fish propagation

GV = Guidance Value only, not a standard.

***** Limit/Standard for hexavalent chromium. As per IWC Permit, Section B, Table footnote 2, if the Chromium (Total) level is less than or equal to 5.0 mg/L, then analyzing for Chromium (Hexavalent) at that point is not required. The Chromium (Total) level can be submitted in lieu of analyzing for Chromium (Hexavalent). No standard for Trivalent Chromium, which is the most common form.

****** Daily and monthly limits, respectively.

Bold values exceed saline surface-water standard or guidance value.

A review of the above table indicates that the concentrations of each detected parameter in the pretreatment system influent samples are lower than its respective IWD permit discharge limit.

This finding indicates that during this period, the facility influent met the pretreatment system IWD permit discharge limits prior to treatment. In addition, only two parameters (copper and zinc) were detected at concentrations higher than their respective saline surface-water standard in one of the two influent samples, one parameter (chlorobenzene) was above its guidance value in both samples and the Total Chromium result for November was greater than the saline surface water standard for Hexavalent Chromium. There is no saline surface water standard or guidance value for Total Chromium. Further analysis would be needed to determine the type of Chromium present, however, it should be noted that in landfill environments Chromium is more commonly occurring in the trivalent state. While the groundwater in the interceptor trench is prevented from migrating to the creek due to the trench's vertical geomembrane cutoff wall and the two pumping stations that collect and convey the groundwater to the pretreatment system, it is expected that these parameters would otherwise normally be attenuated by naturally-occurring reducing conditions and biodegradation in the subsurface soils and creek bed sediment.

2. Landfill Gas Management System

The landfill gas management system represents one of the elements of the selected remedy in the Site's ROD. The ROD required the selected remedy "to ensure full collection and control of landfill gas". The System must also meet the requirements of 6 NYCRR Part 360 to limit off-site gas migration to the lower explosive limit at the property line (i.e., 5% gas in air) and 25% of the LEL in structures (i.e., 1.25% gas in air). The landfill gas management system operates in accordance with an Air Facility Registration Certificate # 2-6105-00762/00001 issued by the NYSDEC.

The landfill gas management system features 46 gas extraction wells, a below grade polyethylene collection header piping network with isolation valves, two 375 scfm centrifugal blowers (blower 301 and blower 302), condensate collection system, an enclosed flare system, process instrumentation and controls, a programmable control logic management system, a fire alarm system and an emergency condition alarm autodialer phone system. A plan of the overall Landfill Gas Management System is shown on Figure 3 illustrating the location of the extraction wells, header pipe and flare facility.

All 46 gas extraction wells (EWs) were inspected and monitored for gas content (percent CH_4, CO_2 and O_2), temperature and vacuum pressure in October and November. In December, EW-1 was encased in large block of ice making it inaccessible; therefore, only 45 EWs were monitored. Deficiencies such as missing signage, track cleaning or sampling port repair are corrected at the time of the inspection, work orders are issued for other work. The LFG-3 inspection reports are included in Appendix C.

The four main headers that convey the landfill gas are connected to a condensate drain line at their low point located adjacent to the flare station. The condensate drain line and the drain lines from the two blower demisters (knock out pots) empty into the 2,500 gallon condensate tank located at the flare station. At the end of the quarter, the condensate tank inventory was 1,545 gallons.

Main piping on the vacuum side of the blowers contains an 8-inch butterfly valve with an electric actuator. This automatically adjusts the valve position according to the vacuum transmitter readings in order to control the landfill vacuum. This is followed by an 8-inch electro-pneumatic butterfly valve which operates with a compressed nitrogen cylinder. This valve automatically closes in the event of a system failure or shutdown.

The gas flare system is designed to operate with one blower in service and one as redundant standby. Although designed to collect up to 375 scfm of landfill gas, the system averaged 79.7 scfm this quarter. Blowers are switched periodically and preventive maintenance is performed to insure both blowers remain in good operating condition. Blowers were switched on November 16th, from 301 to 302. Process gas temperature and pressure readings from the vacuum and discharge side are recorded daily in the LFG-1 inspection log. The monthly summary report of the LFG-1 daily inspections is attached in Appendix C.

Landfill gas is discharged from the blowers through an 8-inch header and flame arrestor into the enclosed flare. The flare pilot is fired using natural gas from the utility company. The natural gas is also used as auxiliary fuel to supplement the recovery landfill gas. During this reporting period, 347,420 SCF of natural gas was used to supplement the landfill gas supply to the flare. The supplemental natural gas valve was closed on November 5th due to improved landfill gas quality. From December 1st to the 3rd, 302 SCF of natural gas was used to help maintain the process while experiencing temperature control problems. The flare support system includes a purge air blower, two manual and two automatic dampers, temperature control with three thermocouples. Normally, control is with the middle thermocouple; however, the power failure of March 31st produced a surge that damaged the middle thermocouple. While arrangements were being made for its replacement, control was switched to the bottom thermocouple. The replacement middle thermocouple was installed and tested and, on November 16th, flare temperature control was switched from the bottom back to the middle thermocouple. The flare operation is on automatic control at a target temperature of 1,500 ^{o}F.

During this fourth quarter of 2010, the landfill gas flaring system processed 10,173,377 SCF of landfill gas. Flow interruptions occurred due to flare temperature control problems and faulty flame detection equipment, which constituted the total down time for the three month period of 81 hours. The flare was in service for 96.3 percent of the time during this quarter. Flow data is summarized in the table that follows.

Month	**Landfill Gas Flow** (Standard Cubic Feet)
Oct-10	2,952,828
Nov-10	3,384,220
Dec-10	3,836,329
Total	**10,173,377**

Bi-weekly (LFG-2) and quarterly (LFG-4) inspections were conducted, and copies are included in Appendix C. The only deficiencies encountered at the flare and blower station during

scheduled inspections were the malfunctioning middle thermocouple, UV flame detectors and flare temperature control louver motor. On November 16th, control was switched back to the middle thermocouple. The UV flame detectors were successfully repaired and reprogrammed, on December 7th. A replacement louver motor has been ordered. The landfill gas flare flow meter readings continue to remain in range.

The NYCDEP's oversight consultant performed an overall evaluation of the Landfill Gas Management System, at NYCDEP's request, utilizing data collected to date and made recommendations to improve system performance. These recommendations will be implemented during future reporting periods.

3. Final Cover System

The landfill final cover system prevents storm water infiltration into the landfill and landfill gas migration into the atmosphere. The ROD stipulated the construction of a 6 NYCRR Part 360 landfill cap. According to the Operations and Maintenance Manual, the cover is comprised of a vegetative topsoil layer with a minimum thickness of 6 inches; a 12-inch soil barrier protection layer; a Type 2 cover system double-sided geocomposite drainage layer (areas with less than 5% slope); a Type 1 cover system cushion geotextile layer (areas with slopes greater than 5%); a 40-mil thick LLDPE (linear low density polyethylene) geomembrane liner; and 6-inch thick Type II cover soil.

The O&M Manual requires the final cover system be inspected on a monthly basis and after storm events equal to or exceeding the 2 year 24-hour precipitation (3.5 inches in 24 hours). The surface of the landfill was divided into seventeen inspection zones. All seventeen inspection zones are shown in Figure 4 which is utilized to identify the system components. This figure is also utilized to identify the components of the stormwater and ancillary systems. A record of the Final Cover System inspection is summarized on a Monthly Checklist Form FCS-1, with deficiencies noted on the Deficiency and Problems Form (DP-1). The monthly inspection reports can be found in Appendix D. The Final Cover System is inspected for surface cracking, vegetative growth, vector penetration, settlement, erosion, slope stability, seepage, and vandalism. The inspection is performed by walking up and down the side slopes and across each zone several times.

The erosion deficiencies associated with nature trail drainage were addressed this past August. The effectiveness of these repairs is being monitored. Previous repairs to the erosion in Zone 12 have not proven effective. A permanent repair plan is being developed by the NYCDEP and their oversight consultant and is scheduled for the next planting period.

4. Stormwater Management System

The stormwater management system is an integral part of the capping and closure system required under the 6 NYCRR Part 360 regulations to protect the landfill final cover system. The system was designed to collect, transport and discharge stormwater to the surface waters

surrounding the Pennsylvania Avenue Landfill in order to prevent stormwater ponding and erosion damage to the final cover system.

The stormwater management system consists of several components which require monitoring, inspection, and periodic maintenance. The system has been divided into three subsystems (SWM-1, SWM-2 and SWM-3) for ease of inspection and reporting. These subsystems include:

- SWM-1: Geocomposite drain pipes and stormwater drainage swales,
- SWM-2: Outlets, culverts, rip-rap inlet and outlet protection and revetment area, and
- SWM-3: HDPE downchute pipes, manholes, pipe trenches and energy dissipation structures.

The O&M Manual requires the Stormwater Management Systems SWM-1, SWM-2 and SWM-3 be inspected on a monthly basis and after a storm event equal to or exceeding the 2 year 24-hour precipitation (3.5 inches in 24 hours). A record of the inspection is summarized on Monthly Checklist Forms SWM-1, SWM-2, SWM-3 and DP-1 (for SWM-1, SWM-2 and SWM-3) for each system in accordance with the requirements of the O&M Manual. A Deficiency and Problems Form DP-1 is completed to summarize the items marked not satisfactory (NS) in the stormwater system checklist forms.

Deficiencies identified during this quarter do not necessarily affect the efficient performance of this system. The concrete pad around Manhole D1A is cracked and has shifted; this is monitored and there has been no change to this condition in the past three and a half years. During this quarter, the swales and culverts were mowed, weed-wacked and cleaned out. Inspection of the Stormwater Management System during and after storm events, conducted on October 1st, showed the system is working properly. The monthly inspection reports can be found in Appendix D.

5. Ancillary Systems

The ancillary systems are those support systems at the Pennsylvania Avenue Landfill that are used for site access and security. The ancillary systems include five (5) access roads (A, B, C, D and E) and two (2) nature trails (East & West), along with fences, gates, and locks. The roadways are integral in providing access to perform required inspection, monitoring and maintenance activities. In addition, since the selected remedy resulted in leaving waste on-site, the security fences and gates provide important institutional controls to prevent site access to unauthorized individuals.

The O&M Manual requires that the Ancillary Systems (ANS) be inspected on a monthly basis. A record of the inspection is summarized on Monthly Checklist Forms ANS-1 and DP-1 (for ANS-1) in accordance with the requirements of the O&M Manual. The instructions for the checklists further require inspections after storm events equal to or exceeding the 2 year 24-

hour precipitation (3.5 inches in 24 hours). These are incorporated into the monthly inspections found in Appendix D.

Damage and wear are inherent in unpaved roads. Potholes on the access roads are recurring and are filled in as part of routine maintenance. Potholes and ruts resulted from plowing roads and parking lots after snow storms. Road resurfacing considered necessary will be addressed during the fair weather seasons.

Perimeter fence holes are repaired after the monthly inspection. Removal of the trees and branches infringing on the perimeter fence was completed on November 2nd. In October, repairs were completed on the gate providing access to the wastewater treatment plant and the perimeter gate located on Department of Transportation property. The damaged post by the contractor's trailer is not a priority as it does not pose a security threat and will be addressed when time permits. Locks are inspected and lubricated quarterly and as needed. Safety inspections are performed monthly. Damaged and missing confined space and hazard signs were replaced.

6. Post-Closure Environmental Monitoring

The Monitoring Plan for the Pennsylvania Avenue Landfill went into effect when the Final Engineering Report was approved by NYSDEC at the end of March 2009. The plan addresses the performance evaluation of the effectiveness of the cap in controlling leachate and landfill gas migration. It requires quarterly monitoring of the groundwater elevation and quality at ten wells (HP wells) located at the perimeter, outside the limits of the closure cap, and soil gas quality in five wells (GMW wells) located outside the limits of the cap parallel to the Belt Parkway. Additionally, monitoring for landfill gas is performed on a monthly basis inside the groundwater/leachate treatment facility building, as per 6 NYCRR Part 360 requirements.

Modifications to the groundwater portion of the Monitoring Plan were approved by NYSDEC by the third quarter 2009 monitoring event. The changes were to the groundwater sampling procedures and analysis. Specifically, well purging is no longer required, stabilization and low-flow sampling is used for collection of all the samples; and the Part 360 baseline parameters not included in the quarterly schedule are to be analyzed once a year. Additionally, based on a review of hydrologic information contained in the RI Report, it was determined that ground-water monitoring can be performed independently of the tidal cycle. The samples were analyzed by a State-certified environmental laboratory and were validated by an independent data validation company.

This fourth quarter of 2010 represented the seventh post-closure monitoring event. On December 13th, 14th and 15th, samples were collected from the ten groundwater monitoring wells (see Figure 5). The synoptic water-level readings were taken on December 9th.

The results of the fourth quarter of 2010 post-closure groundwater monitoring round are summarized in Tables 1 through 4, respectively. Note that Tables 1 through 4 only list the parameters that were detected in at least one groundwater sample during the Post-Closure

Monitoring Period. The majority of the volatile and semi-volatile compounds analyzed for were not detected, and no pesticides or polychlorinated biphenyls were detected. The results obtained for the leachate indicator parameters and the inorganic parameters are consistent with prior post closure monitoring analysis. Included in Appendix E are the synoptic groundwater elevation measurements, the sample collection field logs, the tabulated summary of laboratory results, the laboratory analytical reports, and the Data Usability Summary Report. The complete Data Validation Report can be found in the enclosed computer disk located in Appendix G. An evaluation of these results will be provided in the annual report for the second year of post-closure monitoring.

Perimeter soil gas readings were taken at the five perimeter gas monitoring wells on December 23rd. Figure 6 shows the locations of the perimeter gas wells, while the gas monitoring results are summarized in Table 5. Methane readings were 0.0% at four wells and 1.8% at GMW-04. Methane detections within the groundwater/leachate pre-treatment facility building were between 0.0% and 0.1% throughout the facility and between 0.0% and 0.3% above the open Oil Water Separator Tank as shown in Table 6. These readings were taken October 19th, November 22nd and 23rd, and December 13th. All methane monitoring results were below the 6 NYCRR Part 360 requirements for this reporting period.

As required by permit, the M-1 effluent discharge to the 26th Ward WWTP was sampled on October 19th, November 22nd and 23rd, and December 13th. Laboratory reports can be found in Appendix B.

Section IV – Conclusions and Recommendations

1. Conclusions

Based on the results of the post-closure activities performed this quarter, the Pennsylvania Avenue Landfill was in compliance with the ROD, the OM&M Manual, and the Post-Closure Monitoring Plan requirements. The Pennsylvania Avenue Landfill did not pose a significant risk to public health or the environment during this period.

2. Recommendations

Routine system maintenance and repair of each of the remediation systems should continue in compliance with the requirements of the PAL O&M Manual. Specific recommendations for each of the systems are identified in the following paragraphs.

Groundwater/Leachate Management System

The Groundwater/Leachate Management System is currently operational and meeting its required discharge limits. In general, it is recommended that individual pieces of equipment that are not operational at various times continue to be repaired and/or replaced in a timely manner to minimize system down time. Specifically, the recommended corrective actions listed

in Form DP-1, Leachate Pre-Treatment System, Descriptions of Deficiencies and Problems, in Appendix A should be implemented.

Landfill Gas Management System

The Landfill Gas Management System is operational and is controlling offsite gas migration. Overall the methane quality and gas flow in the System have declined since the System was first activated. This may be attributable to the age of the landfill and the condition should continue to be monitored. The recommendations made by the NYCDEP oversight consultant to improve system performance should be implemented. In addition, it is also recommended that individual pieces of equipment that are in need of repair continue to be repaired and/or replaced in a timely manner. Specifically, the recommended corrective actions listed in Form DP-1, Landfill Gas System, Descriptions of Deficiencies and Problems, in Appendix C should be implemented.

Landfill Final Cover System

Overall the Landfill Final Cover System continues to be protective of the landfill cap beneath it. Conditions found are typical of those encountered during the Landfill Post-Closure period, with only a few deficiencies noted. In general, it is recommended that routine maintenance continue to be performed to prevent problem areas from expanding and worsening. This would include filling ruts caused by erosion, reseeding areas where necessary and maintaining landfill surface slope to promote storm water runoff. Specifically, the recommended corrective actions listed in Form DP-1, FCS-1, Descriptions of Deficiencies and Problems, in Appendix D should be implemented.

Stormwater Management System

The Stormwater Management System continues to convey stormwater runoff to its outfall locations. Conditions found are typical of those encountered during the Landfill Post-Closure period, with a few deficiencies noted. In general, it is recommended that silt and vegetation in drainage swales continue to be periodically removed and sediment be removed from other portions of the drainage system. Specifically, the recommended corrective actions listed in Form DP-1 (SWM-1, SWM-2 SWM-3), Descriptions of Deficiencies and Problems, in Appendix D should be implemented.

Ancillary Systems

The roads and nature trails of the Ancillary Systems continue to provide access throughout the site while the fencing and gates continue to allow for controlled site access. Conditions found are typical of those encountered during the Landfill Post-Closure period, with a few deficiencies noted. In general, it is recommended that routine maintenance continue to be performed to prevent problem areas from expanding and worsening. This would include filling ruts and depressions in roads and trails and repairing site fencing and gates when necessary.

Specifically, the recommended corrective actions listed in Form DP-1, ANS-1, Descriptions of Deficiencies and Problems, in Appendix D should be implemented.

Post-Closure Environmental Monitoring

Recommendations this quarter are to continue to perform the environmental monitoring in accordance with the modified Monitoring Plan.

Figure 1- Site map

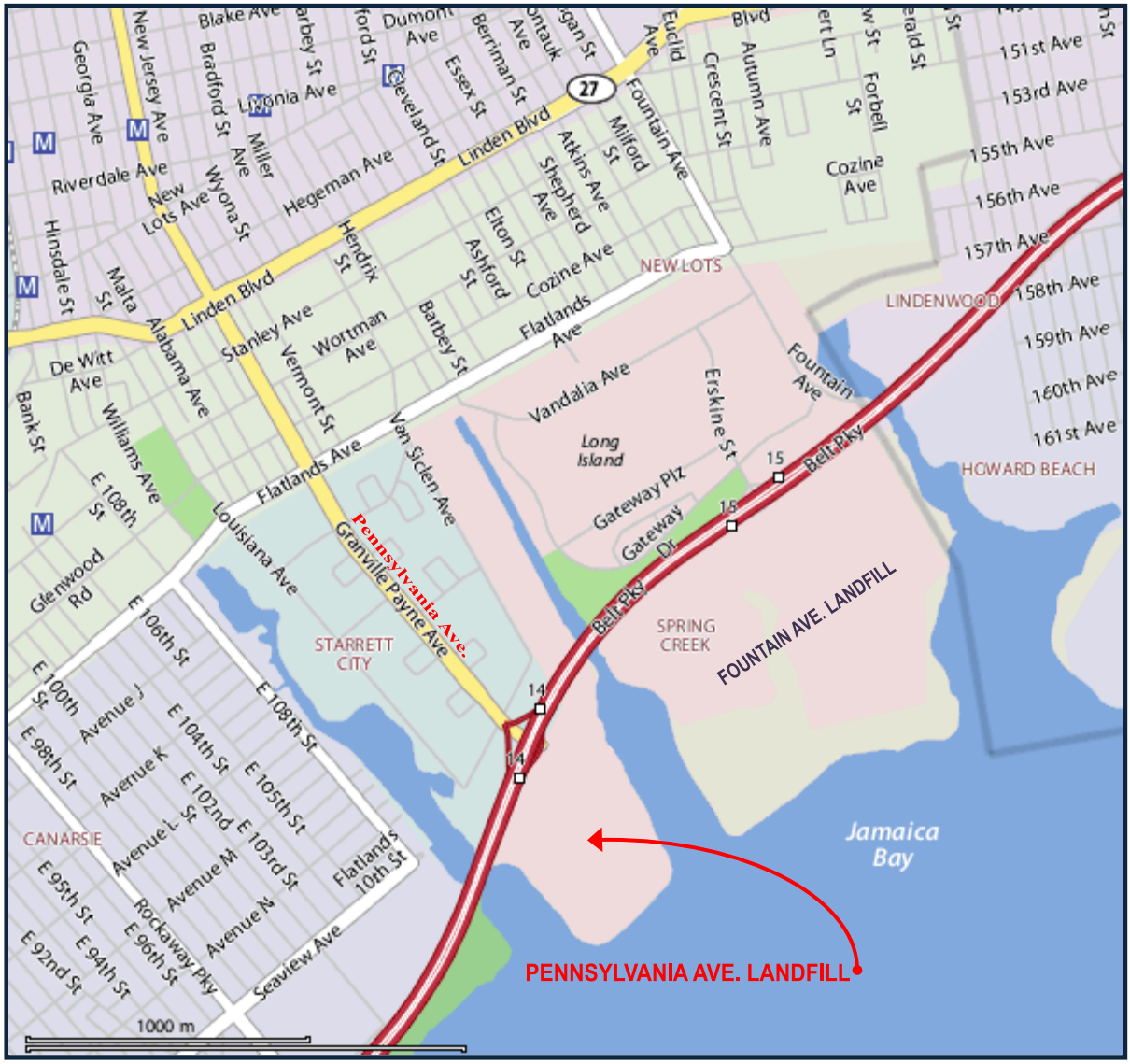

FIGURE 1
SITE LOCATION MAP

Figure 2 – Pre-treatment System Schematic

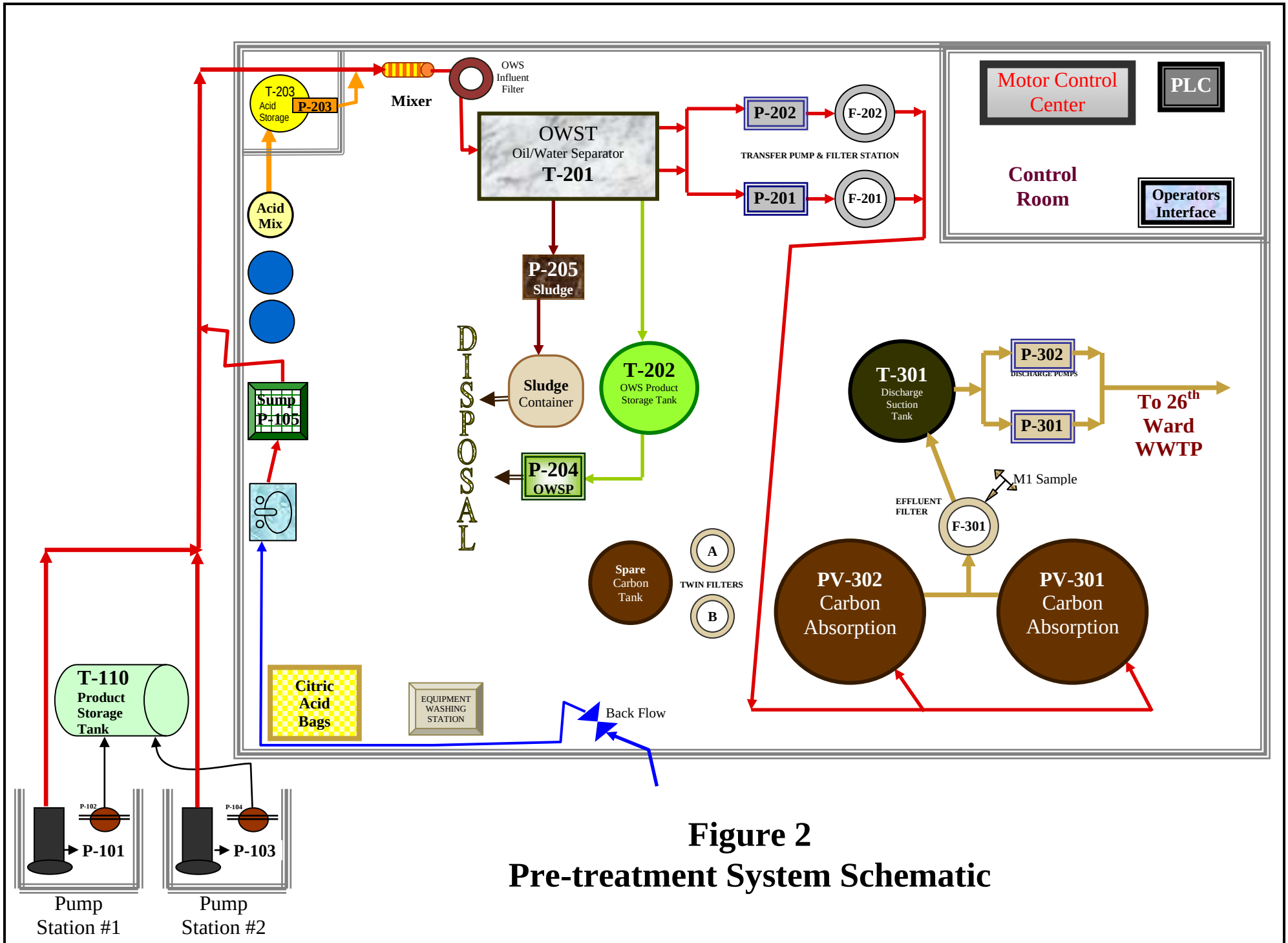

Figure 2
Pre-treatment System Schematic

Figure 3 – Gas System Schematic

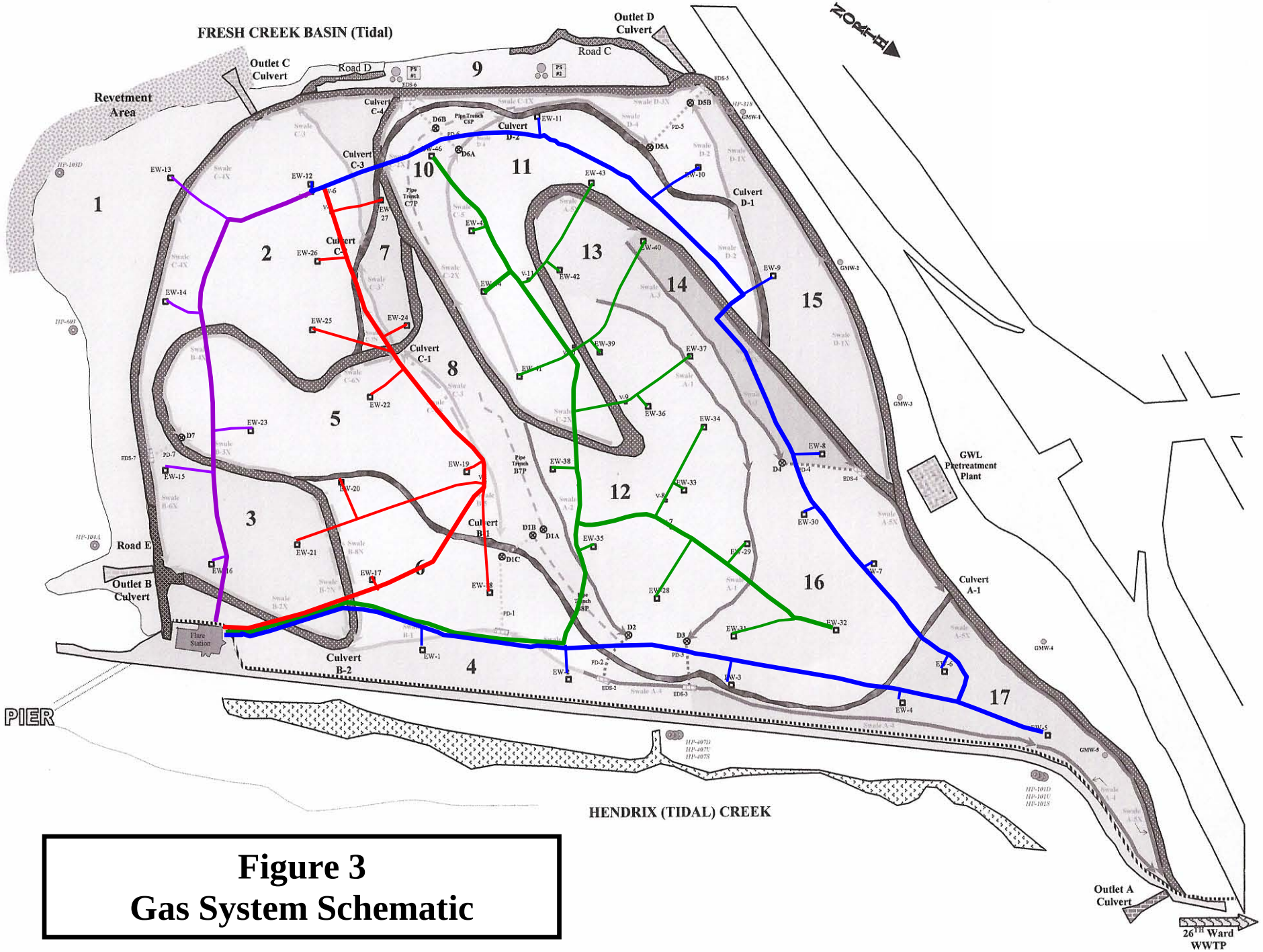

Figure 3
Gas System Schematic

Figure 4 – Landfill Cover Inspection Zones

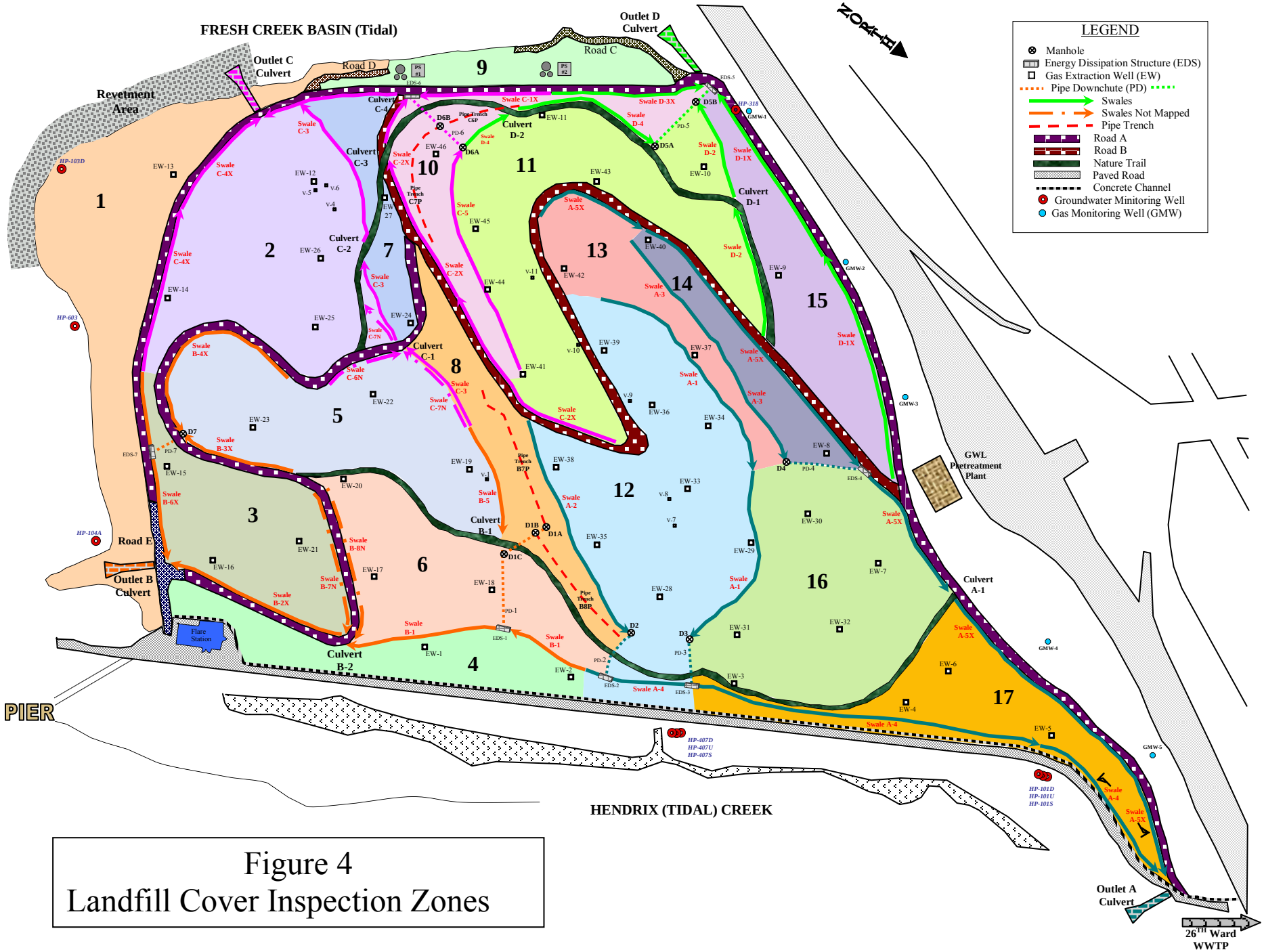

Figure 4
Landfill Cover Inspection Zones

Figure 5 – Groundwater Monitoring Wells

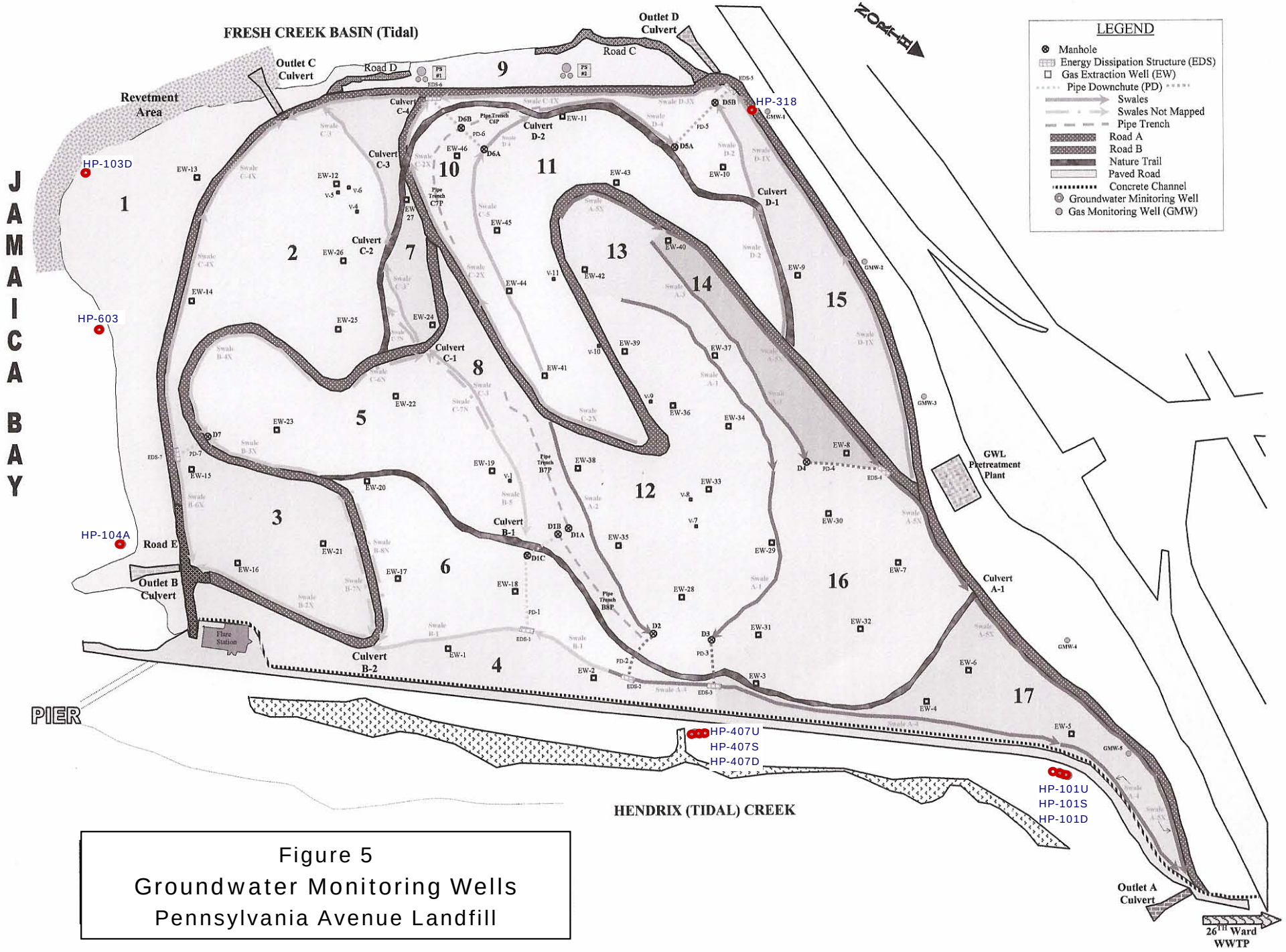

Figure 5
Groundwater Monitoring Wells
Pennsylvania Avenue Landfill

Figure 6 – Perimeter Gas Wells

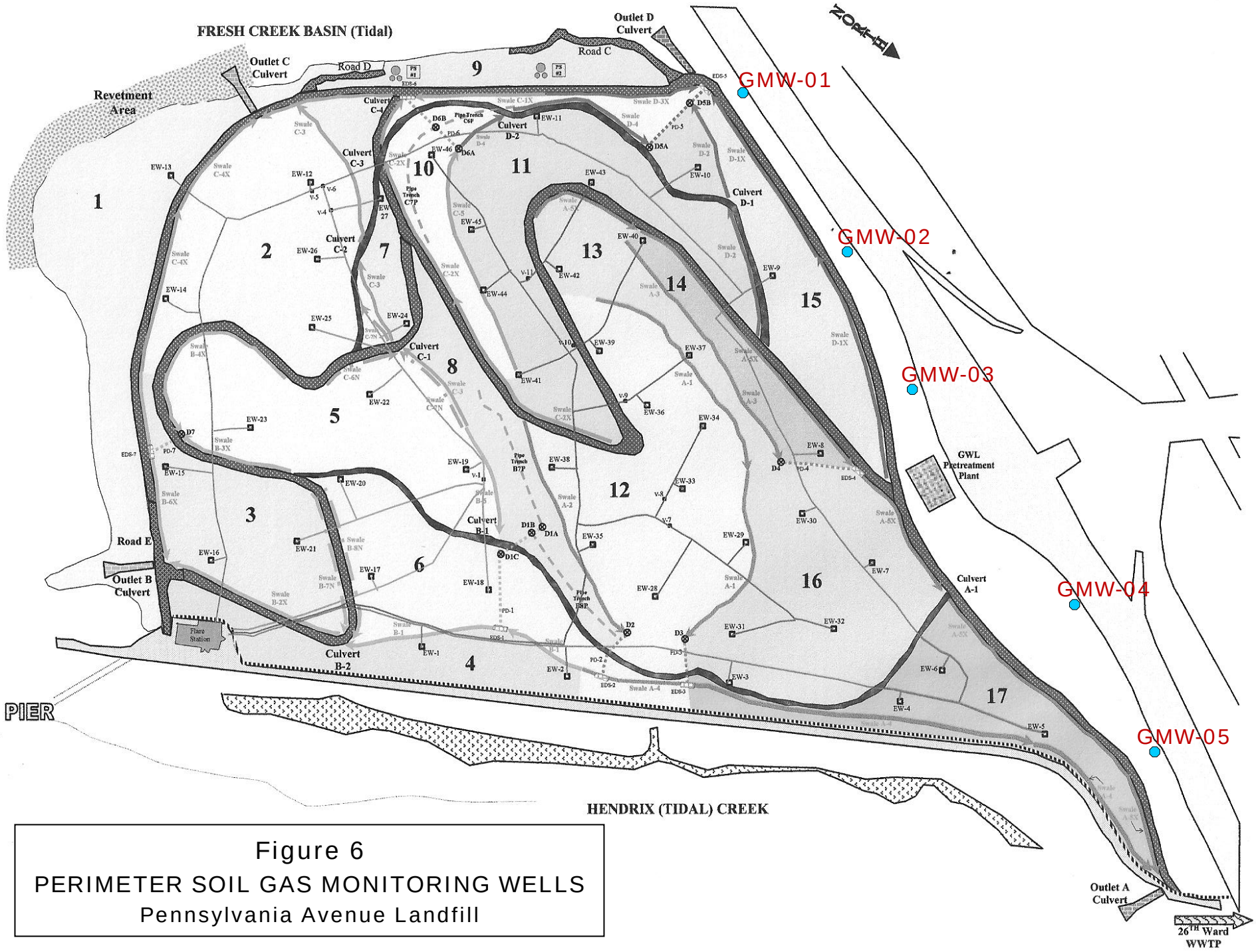

Figure 6

PERIMETER SOIL GAS MONITORING WELLS

Pennsylvania Avenue Landfill

Figure 7 – Landfill Surface Gas Readings Locations

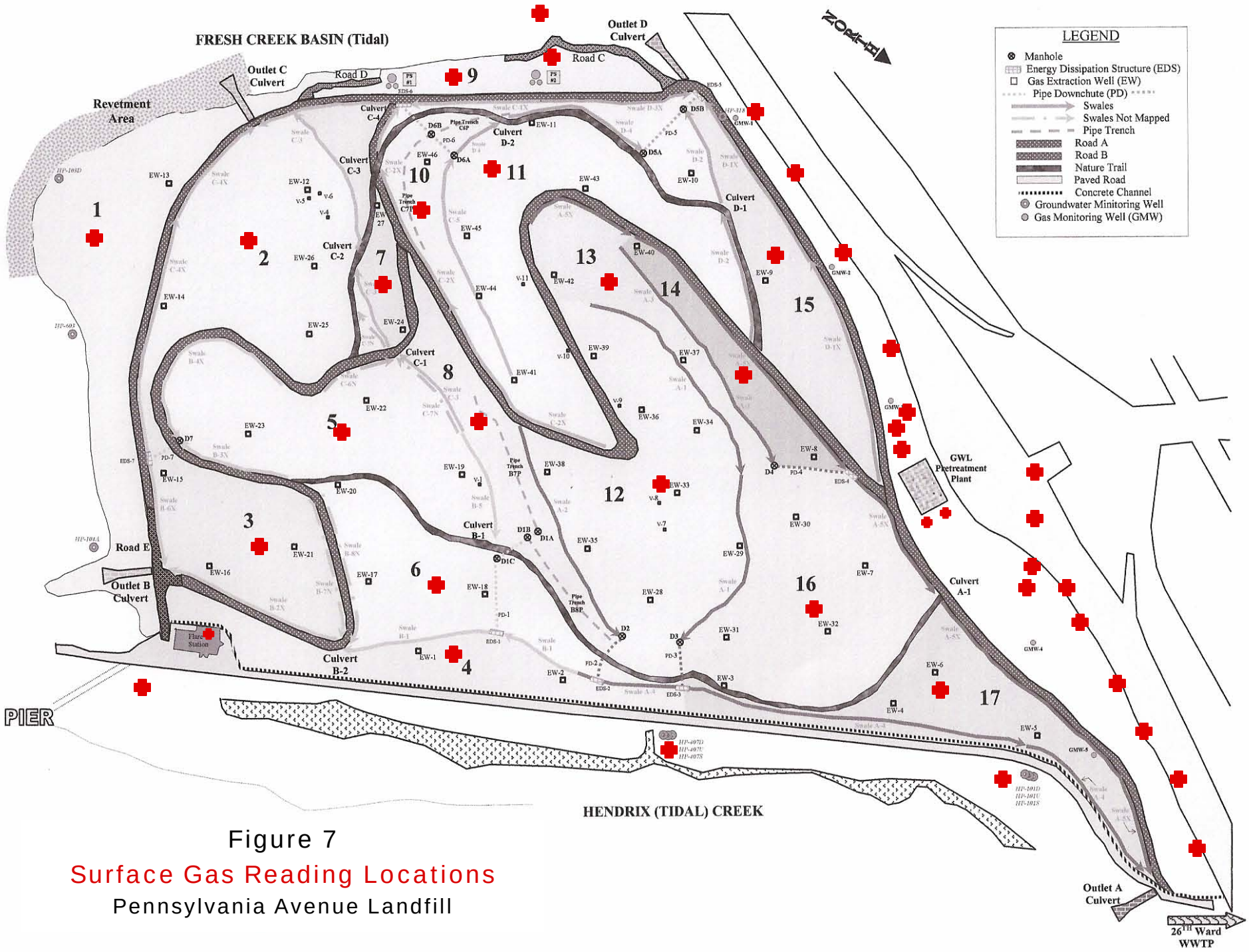

Figure 7

Surface Gas Reading Locations

Pennsylvania Avenue Landfill

Table 1 – Summary of Target Volatile Organic Compounds (VOCs) Detected in Groundwater Samples

Table 1: Summary of Target Volatile Organic Compounds (VOCs) Detected in Groundwater Samples

ANALYTE	UNITS	NYSDEC Class GA Standard	Wells Screened in the Saturated Zone Above the Tidal Marsh Deposit														
			HP-101-U			HP-407-U			HP-104-A			HP-318			HP-603		
			2Q10	3Q10	4Q10	2Q10	3Q10	4Q10	2Q10	3Q10	4Q10	2Q10	3Q10	4Q10	2Q10	3Q10	4Q10
1,4 Dichlorobenzene	ug/L	**3**	<1	3	3	<1	<1	<1	<1	<1	<1	<1	1	<1	<1	<1	<1
1245 Tetramethylbenz	ug/L		NA	<1	<1	NA	<1	<1	NA	<1	<1	NA	1	1	NA	<1	<1
Acetone	ug/L		R	<10	<10	R	<10	<10	R	<10	<10	R	<10	<10	R	<10	<10
Benzene	ug/L	**1**	<1	<1	<1	**2**	2	2	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon disulfide	ug/L	**60**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	ug/L	**5**	**7**	**10**	**8**	4	4	4	3	**6**	5	**9**	**14**	**11**	2	2	2
Isopropylbenzene	ug/L	**5**	NA	<1	<1	NA	1	1	NA	<1	<1	NA	1	<1	NA	<1	<1
MTBE	ug/L	**10**	NA	<1	<1	NA	<1	<1	NA	<1	<1	NA	<1	<1	NA	<1	<1
Toluene	ug/L	**5**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

ANALYTE	UNITS	NYSDEC Class GA Standard	Wells Screened in the Upper Portion of the Upper Glacial Aquifer						Wells Screened in the Lower Portion of the Upper Glacial Aquifer								
			HP-101-S			HP-407-S			HP-101-D			HP-103-D			HP-407-D		
			2Q10	3Q10	4Q10	2Q10	3Q10	4Q10	2Q10	3Q10	4Q10	2Q10	3Q10	4Q10	2Q10	3Q10	4Q10
1,4 Dichlorobenzene	ug/L	**3**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
1245 Tetramethylbenz	ug/L		NA	<1	<1	NA	<1	<1	NA	<1	<1	NA	<1	<1	NA	<1	<1
Acetone	ug/L		R	<10	<10	R	<10	<10	R	<10	<10	R	22	<10	R	<10	<10
Benzene	ug/L	**1**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon disulfide	ug/L	**60**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	ug/L	**5**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Isopropylbenzene	ug/L	**5**	NA	<1	<1	NA	<1	<1	NA	<1	<1	NA	<1	<1	NA	<1	<1
MTBE	ug/L	**10**	NA	<1	<1	NA	<1	<1	NA	<1	<1	NA	<1	<1	NA	<1	<1
Toluene	ug/L	**5**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

Footnotes:

Only the target VOCs detected in at least one groundwater sample during the Post-Closure Period are listed. All other target VOCs analyzed for were not detected.

The NYSDEC Class GA Standards are for potable groundwater. The groundwater at the site is naturally saline; therefore, non-potable. There are no VOC standards for saline groundwater.

Results shown in bold font are higher than the potable groundwater standard.

NA = not analyzed

R = replacement for data rejected after validation.

Table 2 – Summary of Target Semi-Volatile Organic Compounds (SVOCs) Detected in Groundwater Samples

Table 2: Summary of Target Semi-Volatile Organic Compounds (SVOCs) Detected in Groundwater Samples

ANALYTE	UNITS	NYSDEC Class GA Standard	Wells Screened in the Saturated Zone Above the Tidal Marsh Deposit														
			HP-101-U			HP-407-U			HP-104-A			HP-318			HP-603		
			2Q10	3Q10	4Q10	2Q10	3Q10	4Q10	2Q10	3Q10	4Q10	2Q10	3Q10	4Q10	2Q10	3Q10	4Q10
1,4 Dichlorobenzene(sv)	ug/L	**3**	<1	<1	1.5	R	<1	<1	<1	<1	1	<1	<1	<1	<1	<1	<1 (UJ)
Acenaphthene	ug/L	**20 (GV)**	<1	<1	<1	R	<1	<1	<1	<1	<1	8.2	4.1	<1	<1	1.7	<1
BenzylButylPhthalate	ug/L	**No Std.**	<1	<1	<1	R	1.9	<1	<1	3.1	<1	<1	<1	<1	<1	3.1	<1
Bis(2-ethylhexyl)phthalate	ug/L	**5**	<1.5	<5.3	5	R	<11	1.8 (J)	<2.1	<23	1.5	<1.1	<26	1.3	<1.2	<18	1
Di-n-Butyl Phthalate	ug/L	**50**	<1	<1	<1	R	1.2	<1	<1	2.5	<1	<1	2.3	<1	<1	2.1	1.8 (J)
Di-n-octyl Phthalate	ug/L		<1	<1	<1	R	<1	<1 (UJ)	<1	<1	<1	<1	1.3	<1	<1	2	<1 (UJ)
Dibenzofuran	ug/L	**	<1	<1	<1	R	<1	<1	<1	<1	<1	2.9	1.8	<1	<1	<1	<1 (UJ)
Fluorene	ug/L	**50 (GV)**	<1	<1	<1	R	<1	<1	<1	<1	<1	1.5	1	<1	<1	<1	<1

ANALYTE	UNITS	NYSDEC Class GA Standard	Wells Screened in the Upper Portion of the Upper Glacial Aquifer						Wells Screened in the Lower Portion of the Upper Glacial Aquifer								
			HP-101-S			HP-407-S			HP-101-D			HP-103-D			HP-407-D		
			2Q10	3Q10	4Q10	2Q10	3Q10	4Q10	2Q10	3Q10	4Q10	2Q10	3Q10	4Q10	2Q10	3Q10	4Q10
1,4 Dichlorobenzene(sv)	ug/L	**3**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1 (UJ)	<1	<1	<1
Acenaphthene	ug/L	**20 (GV)**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
BenzylButylPhthalate	ug/L	**No Std.**	<1	1.2	<1	<1	<1	<1	<1	<1	<1	<1	2.1	<1	<1	<1	<1
Bis(2-ethylhexyl)phthalate	ug/L	**5**	<1.7	<6.3	<1	<2.4	<6.8	1.4	<2.2	<16	4.9	<2.2	<19	2.2	<9.8	<13	1.9
Di-n-Butyl Phthalate	ug/L	**50**	<1	<1	<1	<1	<1	<1	<1	1.6	<1	<1	1.9	1.6 (J)	<1	<1	<1
Di-n-octyl Phthalate	ug/L		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1.3	<1 (UJ)	<1	<1	<1
Dibenzofuran	ug/L	**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1 (UJ)	<1	<1	<1
Fluorene	ug/L	**50 (GV)**	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

Footnotes:

Only the target SVOCs detected in at least one groundwater sample during the Post-Closure Period are listed. All other target SVOCs analyzed for were not detected.

The NYSDEC Class GA Standards are for potable groundwater. The groundwater at the site is naturally saline; therefore, non-potable. There are no SVOC standards for Standards with the (GV) notation are guidance values only.

Results shown in bold font are higher than the potable groundwater standard.

Bis(2-ethylhexyl)phthalate values to be preceded by less than sign, according to validation report for 2Q10 and 3Q10.

The SVOC data for HP-407-U for 2Q10 was rejected upon validation, thus replaced with "R"

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ = The analyte was not detected above the sample reporting limit; and the reporting limit is approximate.

Table 3 – Summary of Leachate Indicator Parameters Detected in Groundwater Samples

Table 3: Summary of Leachate Indicator Parameters Detected in Groundwater Samples

ANALYTE	UNITS	NYSDEC Class GA Standard	Wells Screened in the Saturated Zone Above the Tidal Marsh Deposit														
			HP-101-U			HP-407-U			HP-104-A			HP-318			HP-603		
			2Q10	3Q10	4Q10	2Q10	3Q10	4Q10	2Q10	3Q10	4Q10	2Q10	3Q10	4Q10	2Q10	3Q10	4Q10
Alkalinity	mg/L	**No Std.**	500	620	460	1,400	1,800	1,800	650	920	710	130	520	380	200	280	270
Ammonia	mg/L	**2**	**7.4**	**8.6**	**10**	**90**	**130**	**120**	**4.0**	**6.6**	**12**	**21**	**26**	**16**	**2.2**	**2.8**	2
BOD_5	mg/L	**No Std.**	NA	6	<2	NA	16	4.3	NA	<2	<2	NA	4.6	2.9	NA	<2	<2
Bromide	mg/L	**2 (GV)**	NA	1.1	1.2	NA	**3.2**	**3**	NA	1.2	1.5	NA	1.3	1.2	NA	0.8	1
Chloride	mg/L	**250**	**1,100**	**1,000**	**950**	**370**	**420**	**370**	84	110	160	**430**	**930**	**1,000**	76	86	85
COD	mg/L	**No Std.**	NA	80	<40	NA	330	300	NA	40	<40	NA	160	1,000	NA	<40	<40
Color	Color units	**15**	NA	**30**	**60**	NA	**150**	**200**	NA	**20**	**20**	NA	**20**	**15**	NA	10	20
Hardness	mg/L	**No Std.**	390	410	450	720	780	760	660	680	660	350	770	570	470	530	540
Nitrate	mg/L	**10**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.7	<0.5	<0.5	<0.5
Sulfate	mg/L	**250**	110	75	150	30	<10	<10	63	38	180	20	9	9	**290**	**360**	**300**
Tot. Dissolved Solids	mg/L	**1,000**	**2,200**	**2,200**	**2,100**	**1,800**	**2,200**	**1,900**	930	**1,100**	**1,000**	**1,100**	**2,500**	**2,100**	800	**1,000**	930
Tot Organic Carbon	mg/L	**No Std.**	NA	5.7	11	NA	48	67	NA	10	11	NA	4.1	2.6	NA	5.1	1.9
Tot. Kjeldahl N.	mg/L	**No Std.**	8.4	10	11	94	130	120	5.4	7.8	13	22	28	17	2.8	3.8	3.2

ANALYTE	UNITS	NYSDEC Class GA Standard	Wells Screened in the Upper Portion of the Upper Glacial Aquifer						Wells Screened in the Lower Portion of the Upper Glacial Aquifer								
			HP-101-S			HP-407-S			HP-101-D			HP-103-D			HP-407-D		
			2Q10	3Q10	4Q10	2Q10	3Q10	4Q10	2Q10	3Q10	4Q10	2Q10	3Q10	4Q10	2Q10	3Q10	4Q10
Alkalinity	mg/L	**No Std.**	840	1,000	760	800	560	560	730	1,000	760	210	1,100	230	240	260	300
Ammonia	mg/L	**2**	**4.6**	**4.8**	**4**	**10**	**12**	**12**	**15**	**24**	**17**	**5.4**	**67**	**4.4**	2.0	1.6	2
BOD_5	mg/L	**No Std.**	NA	2.1	<2	NA	2.6	2.3	NA	7.3	<2	NA	7.5	2.8	NA	3	<2
Bromide	mg/L	**2 (GV)**	NA	**2.3**	**2.6**	NA	**22**	**13**	NA	**43**	**99**	NA	**13**	**110**	NA	**19**	**12**
Chloride	mg/L	**250**	**2,800**	**2,400**	**1,900**	**8,100**	**8,000**	**8,800**	**26,000**	**28,000**	**29,000**	**17,000**	**3,200**	**17,000**	**10,000**	**10,000**	**10,000**
COD	mg/L	**No Std.**	NA	220	90	NA	600	450	NA	2,200	1,400	NA	300	80	NA	650	450
Color	Color units	**15**	NA	**50**	**50**	NA	**25**	**100**	NA	**50**	**80**	NA	**80**	**10**	NA	15	**80**
Hardness	mg/L	**No Std.**	560	590	570	2,500	2,600	2,600	2,300	1,500	2,300	4,700	1,200	4,900	3,000	3,100	3,100
Nitrate	mg/L	**10**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	15	<0.5	<0.5	<0.5	<0.5
Sulfate	mg/L	**250**	13	<10	<5	**750**	**800**	**700**	**1,000**	**680**	**980**	**2,100**	**330**	**1,900**	**1,300**	**1,200**	**1,100**
Tot. Dissolved Solids	mg/L	**1,000**	**4,900**	**4,400**	**3,100**	**14,000**	**15,000**	**13,000**	**40,000**	**46,000**	**37,000**	**29,000**	**6,200**	**28,000**	**18,000**	**18,000**	**17,000**
Tot Organic Carbon	mg/L	**No Std.**	NA	4.8	9.1	NA	1.7	2.1	NA	3.8	4.5	NA	41	<0.5	NA	<0.5	1
Tot. Kjeldahl N.	mg/L	**No Std.**	5.6	5.4	4.8	12	13	13	16	25	18	6.0	71	5.2	2.8	2.4	2.6

Footnotes:

Only the leachate indicator parameters detected in at least one groundwater sample during the Post-Closure Period are listed. Cyanide and Phenols are not detected.

The NYSDEC Class GA Standards are for potable groundwater. The groundwater at the site is naturally saline; therefore, non-potable. There are no saline groundwater standards for these parameters.

Results shown in bold font are higher than the potable groundwater standard.

NA = not analysed

Table 4 – Summary of Metals Detected in Groundwater Samples

Table 4: Summary of Metals Detected in Groundwater Samples

ANALYTE	UNITS	NYSDEC Class GA Standard	Wells Screened in the Saturated Zone Above the Tidal Marsh Deposit														
			HP-101-U			HP-407-U			HP-104-A			HP-318			HP-603		
			2Q10	3Q10	4Q10	2Q10	3Q10	4Q10	2Q10	3Q10	4Q10	2Q10	3Q10	4Q10	2Q10	3Q10	4Q10
Aluminum	mg/L	**No Std.**	<0.05	<0.05	<0.05	<0.05	0.06	<0.05	<0.05	<0.05	<0.05	<0.05	0.13	<0.05	<0.05	<0.05	<0.05
Antimony	mg/L	**0.003**	<0.05	<0.025	<0.025	<0.05	<0.025	<0.025	<0.05	<0.025	<0.025	<0.05	<0.025	<0.025	<0.05	<0.025	<0.025
Arsenic	mg/L	**0.025**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Barium	mg/L	**1**	0.1	0.11	0.1	0.91	1	0.99	0.22	0.19	0.2	0.032	0.066	0.058	0.037	0.044	0.065
Boron	mg/L	**1**	NA	0.4	0.29	NA	**3.4**	**2.7**	NA	0.41	0.39	NA	0.68	0.34	NA	<0.23	0.29
Calcium	mg/L	**No Std.**	120	130	140	100	97	97	190	200	190	91	230	170	150	170	170
Chromium	mg/L	**0.05**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Cobalt	mg/L	**No Std.**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Copper	mg/L	**0.2**	<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
Iron	mg/L	**0.3**	**24**	**24**	**23**	**1.4**	**1.1**	**1.4**	**2.0**	**14**	**4**	**5.6**	**15**	**9.7**	**6.3**	**6.5**	**6.1**
Lead	mg/L	**0.025**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Magnesium	mg/L	**35 (GV)**	23	22	25	**110**	**130**	**130**	**45**	**45**	**46**	29	**47**	34	24	26	28
Manganese	mg/L	**0.3**	**0.59**	**0.35**	**0.41**	**0.4**	**0.37**	**0.37**	**0.61**	**0.93**	**0.85**	0.18	**0.57**	**0.45**	**0.44**	**0.51**	**0.6**
Mercury	mg/L	**0.0007**	<0.001	<0.00025	<0.001	<0.001	<0.00025	<0.001	<0.001	<0.00025	<0.001	<0.001	<0.00025	<0.001	<0.001	<0.00025	<0.001
Nickel	mg/L	**0.1**	<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
Potassium	mg/L	**No Std.**	20	21	26	61	100	85	16	21	30	29	40	34	9.5	9.3	13
Sodium	mg/L	**20**	**610**	**600**	**560**	**310**	**410**	**400**	**68**	**84**	**110**	**240**	**380**	**430**	**63**	**61**	**83**
Vanadium	mg/L	**No Std.**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Zinc	mg/L	**2 (GV)**	0.14	<0.05	<0.05	<0.05	0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

ANALYTE	UNITS	NYSDEC Class GA Standard	Wells Screened in the Upper Portion of the Upper Glacial Aquifer						Wells Screened in the Lower Portion of the Upper Glacial Aquifer								
			HP-101-S			HP-407-S			HP-101-D			HP-103-D			HP-407-D		
			2Q10	3Q10	4Q10	2Q10	3Q10	4Q10	2Q10	3Q10	4Q10	2Q10	3Q10	4Q10	2Q10	3Q10	4Q10
Aluminum	mg/L	**No Std.**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.11	<0.05	0.1	<0.05	0.13	<0.05	<0.05	<0.05
Antimony	mg/L	**0.003**	<0.05	<0.025	<0.025	<0.05	<0.025	<0.025	<0.05	<0.025	<0.025	<0.05	<0.025	<0.025	<0.05	<0.025	<0.025
Arsenic	mg/L	**0.025**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Barium	mg/L	**1**	0.049	0.046	0.04	0.16	0.15	0.16	0.13	0.15	0.18	0.1	0.099	0.1	0.058	0.054	0.06
Boron	mg/L	**1**	NA	**1.4**	1	NA	**1.9**	**1.7**	NA	**1.8**	**2.1**	NA	**2.6**	**3.5**	NA	**2.2**	**1.8**
Calcium	mg/L	**No Std.**	52	51	44	220	220	220	240	220	230	330	130	340	260	260	260
Chromium	mg/L	**0.05**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	0.15	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Cobalt	mg/L	**No Std.**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Copper	mg/L	**0.2**	<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
Iron	mg/L	**0.3**	**0.82**	**0.82**	**0.98**	**12**	**14**	**16**	**9.5**	**1.2**	**12**	**5.5**	**0.7**	**5**	**25**	**25**	**24**
Lead	mg/L	**0.025**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Magnesium	mg/L	**35 (GV)**	**110**	**110**	**110**	**480**	**490**	**500**	**420**	**220**	**420**	**940**	**210**	**990**	**580**	**600**	**610**
Manganese	mg/L	**0.3**	0.05	0.05	<0.05	**0.52**	**0.58**	**0.6**	0.28	0.27	0.27	**1.4**	0.23	**1.4**	**0.87**	<0.05	**0.91**
Mercury	mg/L	**0.0007**	<0.001	<0.00025	<0.001	<0.001	<0.00025	<0.001	<0.001	<0.00025	<0.001	<0.001	<0.00025	<0.001	<0.001	<0.00025	<0.001
Nickel	mg/L	**0.1**	<0.05	<0.05	<0.05	<0.05	<0.05	0.05	<0.05	<0.05	0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Potassium	mg/L	**No Std.**	87	110	93	240	220	280	240	290	290	400	180	430	280	270	350
Sodium	mg/L	**20**	**1,600**	**1,300**	**1,100**	**3,800**	**3,800**	**3,900**	**13,000**	**17,000**	**13,000**	**8,200**	**1,800**	**8,100**	**4,800**	**4,900**	**4,900**
Vanadium	mg/L	**No Std.**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Zinc	mg/L	**2 (GV)**	<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

Footnotes:

Only the metals detected in at least one groundwater sample during the Post-Closure Period are listed. Beryllium, cadmium, selenium, silver and thallium were not detected. Hexavalent Chromium was analyzed for during the second monitoring round (2Q10) but was not detected.

The NYSDEC Class GA Standards are for potable groundwater. The groundwater at the site is naturally saline; therefore, non-potable. There are no saline groundwater standards for these parameters. Standards with the (GV) notation are guidance values only.

Results shown in bold font are higher than the potable groundwater standard.

Table 5 – Summary of Perimeter Gas Monitoring Well Results

Table 5
Summary of Perimeter Gas Monitoring Well Results
Pennsylvania Avenue Landfill, Brooklyn, NY

Quarterly Monitoring Round	GMW-1	GMW-2	GMW-3	GMW-4	GMW-5
	Methane (% by volume)				
2Q10	0.0	0.0	0.0	0.1	0.0
3Q10	0.0	0.0	0.0	0.3	0.0
4Q10	0.0	0.0	0.0	1.8	0.0
	Carbon Dioxide (% by volume)				
2Q10	2.3	3.1	3.3	9.1	2.7
3Q10	2.7	3.4	4.1	8.9	3.2
4Q10	3.9	1.8	1.9	2.8	2.0
	Oxygen (% by volume)				
2Q10	18.2	17.7	17.6	2.2	18.3
3Q10	19.4	18.0	17.1	2.0	17.9
4Q10	19.9	19.8	20.3	0.1	19.7

Table 6 – Summary of Gas Monitoring Results within the Groundwater Leachate Pre-Treatment Building

Table 6:
Summary of Gas Monitoring Results within the Groundwater Leachate Pre-Treatment Building

Pennsylvania Avenue Landfill
Brooklyn, NY

Leachate Treatment Building Methane (% by Volume)

		Inside the Pretreatment Building	On top of the (open) Oil Water Separator
2Q10	4/20/10	0.0	0.0
	5/11/10	0.0	0.0
	6/3/10	0.0	0.0
3Q10	7/19/10	0.0	0.0
	8/31/10	0.0	0.0
	9/9/10	0.0	0.1
4Q10	10/19/10	0.0	0.0
	11/22/10	0.0	0.1
	11/23/10	0.0 - 0.1	0.3
	12/13/10	0.0	0.0

Appendix A – GWL Inspection Forms

Groundwater Leachate Pretreatment

Flow Reports

(October, November and December, 2010)

PENNSYLVANIA AVENUE LANDFILL
LEACHATE PRETREATMENT PLANT EFFLUENT
TO 26TH WARD W.W.T.P

MONTH:	OCTOBER 2010				
	Time of Reading	10 Gallon Counter Readings	Flow (gallons)		Hrs. i/s
1	7:34	8,079,557	24,581	(1)	24
2			19,869	(1)(2)	19.4
3			0	(1)(2)	0
4	7:00	8,084,002	34,900	(2)(3)	21.7
5	7:29	8,087,492	34,840		24
6	7:17	8,090,976	32,900		24
7	7:07	8,094,266	33,430		24
8	7:09	8,097,609	28,609	(1) (3)	22.7
9			30,247	(1)	24
10			20,165	(1) (2)	16.0
11	7:00	8,105,511	33,520	(2)	23.0
12	7:12	8,108,863	30,790		24
13	7:36	8,111,942	29,080	(2)	23.8
14	7:21	8,114,850	29,790		24
15	7:17	8,117,829	31,341	(1)	24
16			31,341	(1)	24
17			26,118	(1)	20.0
18	7:18	8,126,709	28,910	(3)	22.8
19	7:18	8,129,600	26,660		24
20	7:16	8,132,266	27,330		24
21	7:20	8,134,999	27,040		24
22	7:23	8,137,703	21,280	(1) (5)	19.0
23			22,400	(1) (4)	20.0
24			0	(1) (4)	0
25	7:00	8,142,071	32,360	(4) (3)	22.0
26	7:17	8,145,307	31,080		24
27	7:25	8,148,415	25,870		24
28	7:04	8,151,002	25,660		24
29	7:20	8,153,568	24,467	(1)	24
30			24,467	(1)	24
31			24,467	(1)	24
1-Nov	7:19	8,160,908			

No. of Days in Operation
29

Total Flow (gallons)
813,510

Average Daily Flow (gallons)
28,052

Maximum Daily Flow (gallons)
34,900

(1) Estimated flow for weekends and holidays (readings not taken)
(2) Plant tripped due to high differential pressure during off hours or in the course of filter replacement.
(3) Backwashing of the carbon absorbers.
(4) Plant tripped without setting off the autodialer or any alarms. Malfunction not recorded on PLC.
(5) Maintenance of the Oil Water Separator and coalescers.

PENNSYLVANIA AVENUE LANDFILL
LEACHATE PRETREATMENT PLANT EFFLUENT
TO 26TH WARD W.W.T.P

MONTH:	NOVEMBER 2010				
	Time of Reading	10 Gallon Counter Readings	Flow (gallons)		Hrs. i/s
1	7:19	8,160,908	**25,250**	(3)	22.7
2	7:23	8,163,433	**24,100**		24
3	7:30	8,165,843	**24,760**		24
4 (2)	7:34	8,168,319	**23,020**	(2)	23.3
5	7:33	7,214,314	**25,387**	(1)	24
6			**17,983**	(1) (5)	17.0
7			**0**	(1) (5)	0
8	6:40	7,218,651	**34,710**	(3) (6)	21.5
9	7:04	7,222,122	**25,050**		24
10	7:48	7,224,627	**22,360**		24
11	7:26	7,226,863	**25,330**		24
12	7:16	7,229,396	**23,600**	(1)	24
13			**23,600**	(1)	24
14			**23,600**	(1)	24
15	7:05	7,236,476	**24,410**	(3)	22.2
16	7:13	7,238,917	**23,050**		24
17	7:30	7,241,222	**36,840**	(4) (6)	17.7
18	6:56	7,244,906	**22,500**		24
19	7:17	7,247,156	**22,220**	(1)	24
20			**22,220**	(1)	24
21			**22,220**	(1)	24
22	7:56	7,253,822	**26,320**		24
23	7:52	7,256,454	**22,300**		24
24	8:22	7,258,684	**25,045**	(1)	24
25			**25,045**	(1)	24
26	13:03	7,263,693	**19,833**	(1)	24
27			**19,833**	(1)	24
28			**19,833**	(1)	24
29	7:00	7,269,643	**21,680**		24
30	8:20	7,271,811	**19,170**		24
1-Dec	7:42	7,273,728			

No. of Days in Operation
29

Total Flow (gallons)
691,270

Average Daily Flow (gallons)
23,837

Maximum Daily Flow (gallons)
36,840

(1) Estimated flow for weekends and holidays (readings not taken)

(2) The effluent flow meter malfunctioned. It was removed and cleaning of the coils and maintenance was performed. On the 8th, the PCS tech troubleshot the meter and found the coil and set-up operational, problem in board. Need to send it back to the manufacturer or replace. Looking into both. In the interim, the influent flow meter (FT-100) and city water meter readings are being used to calculate the effluent flow.

(3) Backwashing of the carbon absorbers.

(4) Maintenance of the Oil Water Separator and coalescers.

(5) System shutdown due to high transfer filter differential pressure.

(6) Plant of line for PCS technician work on discharge flow meter, discharge suction tank level sensor and Pump Station No. 1.

PENNSYLVANIA AVENUE LANDFILL
LEACHATE PRETREATMENT PLANT EFFLUENT
TO 26TH WARD W.W.T.P

MONTH:	DECEMBER 2010				
	Time of Reading	10 Gallon Counter Readings	Flow (gallons)	Hours On-Line	
1	7:42	7,272,680	**19,540**	24	
2	7:06	7,274,634	**21,780**	24	
3	7:17	7,276,812	**23,060**	24	(1)
4			**23,060**	24	(1)
5			**23,060**	24	(1)
6	7:10	7,283,730	**19,640**	23.3	(3)
7	7:10	7,285,694	**27,660**	24	
8	6:55	7,288,460	**19,600**	23	(2)
9	7:26	7,290,420	**19,030**	24	
10	7:23	7,292,323	**19,090**	24	(1)
11			**19,090**	24	(1)
12			**0**	0	(1) (2)
13	7:00	7,296,141	**33,500**	24	
14	7:12	7,299,491	**24,610**	24	
15	7:46	7,301,952	**22,170**	21	(4)
16	7:52	7,304,169	**22,830**	24	
17	7:46	7,306,452	**24,411**	23.8	(1) (2)
18			**24,616**	24	(1)
19			**4,103**	4	(1) (2)
20	7:00	7,311,765	**22,380**	21.5	(2) (3)
21	7:04	7,314,003	**23,820**	24	
22	7:24	7,316,385	**23,030**	24	
23	7:19	7,318,688	**24,884**	24	(1)
24	HOLIDAY		**24,884**	24	(1)
25			**24,884**	24	(1)
26			**1,037**	1	(1) (2)
27			**19,700**	19	(1) (2)
28	7:15	7,328,227	**22,450**	24	
29	7:32	7,330,472	**22,770**	24	
30	8:12	7,332,749	**18,661**	24	(1)
31			**18,661**	24	(1)
3-Jan		7,339,708			

No. of Days in Operation
30

Total Flow (gallons)
638,012

Average Daily Flow (gallons)
21,267

Maximum Daily Flow (gallons)
33,500

(1) Estimated flow for weekends and holidays (readings not taken)
(2) System down due to high differential pressure at the transfer filters
(3) Plant out of service during carbon system backwashing operation
(4) The plant tripped due to high differential pressure at the transfer filters and remained out for desludging and washing of the oil water separator and coalescers.

Groundwater Leachate Pretreatment

Daily Operations Reports

(October, November and December, 2010)

PENNSYLVANIA AVENUE LANDFILL
GROUNDWATER LEACHATE DAILY OPERATIONS MONTHLY REPORT
Month: OCTOBER 2010

	Date	Hours On Line	System		Tank Levels		Computer Control		Citric Acid Addition (50 Lb. batches)	Transfer Filter (F-201 & F-202) Change	Carbon Backwash	Remarks
			Normal	**Not** Normal	Normal	**Not** Normal	Normal	**Not** Normal				
Friday	1-Oct	24	x		x		x		3	100 mc		Added 3 batches of citric acid. Replaced the transfer filters (100 mc) and the OWS Influent filter (300 mc). Washed plant floor.
Weekend	2-Oct	19.4										Plant went out at 11:37 AM due to transfer filter high differential pressure.
	3-Oct	0										
Monday	4-Oct	21.7		x		x	x		3	50 mc	**X**	Backwashed the carbon system and replaced the transfer filters (50 mc). Added 3 batches of citric acid and adjusted the acid feed stroke from 37% to 20%. Plant was returned to service at 9:10 AM. Pump Station No. 2 tripped on overload and it was reset.
Tuesday	5-Oct	24	x		x		x		1			Added one batch of citric acid.
Wednesday	6-Oct	24	x		x		x		3	50 mc		Added 3 batches of citric acid and replaced the transfer filters (50 mc).
Thursday	7-Oct	24	x		x		x		2			Added 2 batches of citric acid.
Friday	8-Oct	22.7	x		x		x		3	100 mc	**X**	Backwashed the carbon system, replaced the transfer filters (100 mc), and added 3 batches of citric acid. Plant was out of service from 8:00 to 9:20 AM.
Weekend	9-Oct	24										
	10-Oct	16.0										A approximately 11:15 PM, the plant tripped out due to high differential pressure at the transfer filters.
Monday	11-Oct	23.0		x		x	x		3	50 mc		Replaced the transfer filters (50 mc) and the OWS influent filter (300 mc), and placed the system back on line by 8:15 am. Pump Station No. 2 tripped off on overload, it was reset and experienced no further problems. Added 3 batches of citric acid.
Tuesday	12-Oct	24	x		x		x		3			Added 3 batches of citric acid.
Wednesday	13-Oct	23.8	x		x		x		2	50 mc		Added two batches of citric acid. Replaced the transfer filters (50 mc); plant was off from 7:55 to 8:06 AM due to high differential pressure during filter change.
Thursday	14-Oct	24	x		x		x		2			
Friday	15-Oct	24	x		x		x		2	100 mc		Added two batches of citric acid. Changed the transfer filters (100 mc). Electrician checked acid feed and pH sensor operation; all connections and wiring are in proper working order. Need to call him while experiencing difficulties. Also checked Pump Station No. 1 operation; found motor and variable frequency drive were both operational.
Weekend	16-Oct	24										
	17-Oct	20.0										
Monday	18-Oct	22.8	x		x		x		3	50 mc	**X**	Backwashed the carbon system. Replaced the transfer filters (50 mc). Plant was off line from 8:20 to 9:30 AM. Added 3 batches of citric acid. Performed maintenance and cleaned Pump Station No. 1 level sensor.

PENNSYLVANIA AVENUE LANDFILL
GROUNDWATER LEACHATE DAILY OPERATIONS MONTHLY REPORT
Month: OCTOBER 2010

Date		Hours On Line	System		Tank Levels		Computer Control		Citric Acid Addition (50 Lb. batches)	Transfer Filter (F-201 & F-202) Change	Carbon Backwash	Remarks
			Normal	**Not** Normal	Normal	**Not** Normal	Normal	**Not** Normal				
Tuesday	19-Oct	24	x		x		x		2	50 mc		Added two batches of citric acid. Replaced the transfer filters (50 mc). Collecting M1 samples.
Wednesday	20-Oct	24	x		x		x		2			NYCDEP-IPP on site for inspection and M1 sample collection. Completed M1 sample collection.
Thursday	21-Oct	24	x		x		x		2	50 mc		NYCDEP-IPP on site to complete M1 sample collection. Added two batches of citric acid. Replaced the transfer filters (50 mc)
Friday	22-Oct	19.0	x		x		x		1	100 mc		Added one batch of citric acid. Washed and performed maintenance on the **oil water separator tank and coalescers**. Replaced the transfer filters (100 mc), the OWS influent filter (300 mc) and the effluent discharge filter F-301 (150 mc). The plant was off line from 9:30 AM to 2:35 PM. PCS tech troubleshot PS#1 operation - Ethernet media converter malfunction. A replacement was ordered.
Weekend	23-Oct	20.0										
	24-Oct	0										Plant tripped at around 3 AM without setting off the autodialer or any alarms. Malfunction was not recorded.
Monday	25-Oct	22.0		x		x	x		3	50 mc	**X**	Backwashed the carbon system and changed the transfer filters (50 mc). Added 3 batches of citric acid and reduced the stroke down to 5%. Plant was placed in service at 8:52 AM; i.e., it was down for approximately 30 hours.
Tuesday	26-Oct	24	x		x		x		2			Added 2 batches of citric acid and increased the stroke to 10% in an attempt to maintain the pH at 6.2.
Wednesday	27-Oct	24	x		x		x		2	50 mc		Replaced the transfer filters (50 mc). Added 2 batches of citric acid. Received and unload a citric acid delivery.
Thursday	28-Oct	24	x		x		x		2			Added 2 batches of citric acid.
Friday	29-Oct	24	x		x		x		1	100 mc		Added one batch of citric acid. Replaced the transfer filters (100 mc)
Weekend	30-Oct	24										
	31-Oct	24										

PENNSYLVANIA AVENUE LANDFILL
GROUNDWATER LEACHATE DAILY OPERATIONS MONTHLY REPORT
Month: NOVEMBER 2010

Date		Hours On Line	System		Tank Levels		Computer Control		Citric Acid Addition (50 Lb. batches)	Transfer Filter (F-201 & F-202) Change	Carbon Backwash	Remarks
			Normal	**Not** Normal	Normal	**Not** Normal	Normal	**Not** Normal				
Monday	1-Nov	22.7	x			x	x		3	50 mc	**X**	Found citric acid empty; added 3 batches. Backwashed the carbon absorbers (off-line from 8:15 to 9:30 AM). Replaced the transfer filters (50 mc) and the effluent filter F-301 (150 mc).
Tuesday	2-Nov	24	x		x		x		2			Added two batches of citric a cid.
Wednesday	3-Nov	24	x		x		x		1	50 mc		Added one batch of citric acid. Replaced the transfer filters (50 mc).
Thursday	4-Nov	23.3	x		x		x		1			Added one batch of citric acid. Discharge flow meter FT-301 stopped working; attempts to reset it were unsuccessful; removed it, checked it and cleaned the coils, still malfunctioning. Plant down from 13:26 to 14:10 to work on the meter. Made appointment with technician. Worked on preparing kindorf supports for painting.
Friday	5-Nov	24	x		x		x		2	100 mc		Added two batches of citric acid. Changed the transfer filters (100 mc).
Weekend	6-Nov	17.0										At around midnight, the plant tripped of due to high differential pressure at the transfer filters.
	7-Nov	0										
Monday	8-Nov	21.5		x		x	x		3	50 mc	**X**	Found plant out of service. Backwashed the carbon system, replaced the transfer filters (50 mc) and the OWS inlet bag filter (300 mc). Placed the system back in service at 8:35 AM. Pump Station No. 2 tripped on overload, reset it. The tech from PCS checked the discharge flow meter, problem beyond field scope. The OWS product tank level sensor was installed in the discharge suction tank and the PCS tech checked the possibility and found that it would not work for the application; a submersible sensor will be ordered. The plant was off for one hour to perform these tests. The technician also inspected the operation of Pump Station No.1 and determined that the media converter needed replacement, one was ordered. Replaced the Autodialer phone jack.
Tuesday	9-Nov	24	x		x		x		2			Added two batches of citric acid. Replaced broken drain line on the potable water regulator.
Wednesday	10-Nov	24	x		x		x		2			Added two batches of citric acid. Completed repairs to leaks on the potable water regulator drain. Replaced the effluent filter F-301 (150 mc).
Thursday	11-Nov	24	x		x		x		1	50 mc		Added one batch of citric acid. Changed the transfer filter bags (50 mc). Replaced the media converter in Pump Station No. 1 and pump was operating properly after the installation.
Friday	12-Nov	24	x		x		x		2	100 mc		Added two batches of citric cid. Replaced the transfer filters (100 mc).
Weekend	13-Nov	24										
	14-Nov	24										

PENNSYLVANIA AVENUE LANDFILL
GROUNDWATER LEACHATE DAILY OPERATIONS MONTHLY REPORT
Month: NOVEMBER 2010

Date		Hours On Line	System		Tank Levels		Computer Control		Citric Acid Addition (50 Lb. batches)	Transfer Filter (F-201 & F-202) Change	Carbon Backwash	Remarks
			Normal	**Not** Normal	Normal	**Not** Normal	Normal	**Not** Normal				
Monday	15-Nov	22.2	x			x	x		3	50 mc	**X**	Added three batches of citric acid. Backwashed the carbon system. Replaced the OWS influent bag filter (300 mc), the transfer filters (50 mc), and the effluent filter F-301 (150 mc). Plant was out of service from 7:30 AM (tripped due to HDP while changing filters) to 9:20 AM. Removed the discharge flow meter and replaced it with a spool.
Tuesday	16-Nov	24	x		x		x		2			Added two batches of citric acid. Sanded and primed the twin filter base in preparation for painting. Replaced the ISCO automatic sampler hoses.
Wednesday	17-Nov	17.7	x		x		x		1	50 mc		Added one batch of citric acid. Changed the transfer filters (50 mc). Performed maintenance and desludging and cleaning of the oil water separator and coalescers. Received and unloaded a citric acid delivery.
Thursday	18-Nov	24	x		x		x		2			Added two batches of citric acid.
Friday	19-Nov	24	x		x		x		2	100 mc		Added two batches of citric acid. Replaced the transfer filters (100mc). Removed, cleaned and replaced ball check valves on sump. Worked on twin filter installation.
Weekend	20-Nov	24										
	21-Nov	24										
Monday	22-Nov	24	x		x		x		3	50 mc	**X**	Added three batches of citric acid. Replaced the OWS Influent filter (300 mc, and the transfer filters (50 mc). Backwashed the carbon tanks, with the system remaining on-line. Set up equipment and ports for influent and effluent sampling. Started sample collection.
Tuesday	23-Nov	24	x		x		x		1			Added one batch of citric acid. Completed M1 and influent sample collection and delivered same to lab. Repaired acid feed pump; however, repair of the auto/manual spring switch is pending. Set stroke length to 5% and manual, and made adjustments to set points to keep pump running.
Wednesday	24-Nov	24	x		x		x		1	50 mc		Added one batch of citric acid and replaced the transfer filters (50 mc).
Thursday	25-Nov	24										**HOLIDAY**
Friday	26-Nov	24	x		x		x			100 mc		Replaced the OWS Influent filter (300 mc) and the transfer filters (100 mc).
Weekend	27-Nov	24										
	28-Nov	24										
Monday	29-Nov	24	x		x		x		4	50 mc		Added four batches of citric acid. Replaced the OWS Influent filter (300 mc), the transfer filters (50 mc) and the effluent filter F-301 (150 mc).
Tuesday	30-Nov	24	x		x		x		2			Added two batches of citric acid. Calibrated the pH sensor

PENNSYLVANIA AVENUE LANDFILL
GROUNDWATER LEACHATE DAILY OPERATIONS MONTHLY REPORT
Month: DECEMBER 2010

	Date	Hours On Line	System		Tank Levels		Computer Control		Citric Acid Addition (50 Lb. batches)	Transfer Filter (F-201 & F-202) Change	Carbon Backwash	Remarks
			Normal	**Not** Normal	Normal	**Not** Normal	Normal	**Not** Normal				
Wednesday	1-Dec	24	x		x		x		1			Added one batch of citric acid.
Thursday	2-Dec	24	x		x		x		1			Added one batch of citric acid. Replaced "Run" light bulbs on P.S.#2 panel.
Friday	3-Dec	24	x		x		x		2	100 mc		Added two batches of citric acid. Replaced the transfer filters (100 mc)
Weekend	4-Dec	24										
	5-Dec	24										
Monday	6-Dec	23.3	x			x	x		3	50 mc	**X**	Added three batches of citric acid. System off line from 7:55 to 9:40 am during backwashing of the carbon system. Replaced the transfer filters (50 mc) and the effluent filter F-301 (100 mc)
Tuesday	7-Dec	24	x		x		x		2			Added two batches of citric acid.
Wednesday	8-Dec	23		x		x	x		1	50 mc		Plant tripped off due to high differential pressure at the transfer filters, which were replaced with 50 mc bags. System was out of service for just under one hour. Added one batch of citric acid.
Thursday	9-Dec	24	x		x		x		1	50 mc		Added one batch of citric acid. Replaced the transfer filters (50 mc)
Friday	10-Dec	24	x		x		x		1	100 mc		Added one batch of citric acid. Replaced the transfer filters (100 mc)
Weekend	11-Dec	24										
	12-Dec	0										
Monday	13-Dec	24		x		x	x		3	50 mc		Plant was off upon arrival due to high differential pressure at the transfer filters. Replaced the transfer filters (50 mc), the OWS influent bag filter (300 mc) and the effluent filter F-301 (100 mc). Added three batches of citric acid. Collection of GWL Influent and M-1 effluent samples.
Tuesday	14-Dec	24	x		x		x					Completed collection of GWL Influent and M-1 effluent samples, and delivered them to the laboratory.
Wednesday	15-Dec	21	x		x		x			50 mc		Plant tripped off during transfer filter replacement (50 mc) and was kept off line for 3 hours for **maintenance and desludging of the oil water separator and coalescers.**
Thursday	16-Dec	24	x		x		x					
Friday	17-Dec	23.8	x		x		x		1	100 mc		Added one batch of citric acid. Plant tripped (7:55 to 8:07 am) during transfer filter bag replacement (100 mc).
Weekend	18-Dec	24										
	19-Dec	4										Plant tripped out, at around 11 am, due to high differential pressure at the transfer filters.

PENNSYLVANIA AVENUE LANDFILL
GROUNDWATER LEACHATE DAILY OPERATIONS MONTHLY REPORT
Month: DECEMBER 2010

Date		Hours On Line	System		Tank Levels		Computer Control		Citric Acid Addition (50 Lb. batches)	Transfer Filter (F-201 & F-202) Change	Carbon Backwash	Remarks
			Normal	**Not** Normal	Normal	**Not** Normal	Normal	**Not** Normal				
Monday	20-Dec	21.5		x		x	x			50 mc	**X**	Backwashed the carbon system upon arrival. Replaced the transfer filters (50 mc) and the OWS Inlet bag filter (300 mc). Plant was placed back in service at 9:28 am.
Tuesday	21-Dec	24	x		x		x		1			Added one batch of citric acid. Replaced the effluent filter F-301 (100 mc)
Wednesday	22-Dec	24	x		x		x			50 mc		Changed the transfer filters (50 mc)
Thursday	23-Dec	24	x		x		x		1	100 mc		Added one batch of citric acid. Replaced the transfer filters (100 mc)
Friday	24-Dec	24										HOLIDAY
Weekend	25-Dec	24										
	26-Dec	1										Plant tripped on high transfer filter differential pressure at around 8 am.
Monday	27-Dec	19	x		x		x			50 mc		Blizzard. Transfer filters were replaced (50 mc) and the system was placed back in service at noon.
Tuesday	28-Dec	24	x		x		x		1			Added one batch of citric acid.
Wednesday	29-Dec	24	x		x		x			50 mc		Replaced the transfer filters (50 mc)
Thursday	30-Dec	24	x		x		x		1	100 mc		Added one batch of citric acid. Replaced the transfer filters (100 mc). Cleaned ball checks on sump.
Friday	31-Dec	24										HOLIDAY

Note: Throughout the month, work continued on the installation of the twin filters and the cleaning, priming and painting of plant equipment and supports.

Groundwater Leachate Pretreatment

GWL-1 Biweekly Inspections

(October, November and December, 2010)

GWL-1

Date: 10-5-10.
Time: _____
Inspected By: E. McLean.

LECHEATE SYSTEM O&M INSPECTION CHECKLIST
PENNSYLVANIA AVENUE LANDFILL

INSPECTION AND MAINTENANCE TASKS		ACTION	
1. Pump Stations #1			
A. Variable Frequency Drive	☑ On	☐ Off	
Frequency: 0.04.00 Hz			
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
2. Pump Stations #2			
A. Variable Frequency Drive		☑ On	☐ Off
Frequency: 58.4300 Hz			
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
3. Pumping Stations #1 and #2 Manholes		**(ONCE WEEKLY)**	
A. Pump Station No.1 leak detection riser observation:			
Leak detected		☐ Yes	☑ No
B. Pump Station No. 2 leak detection riser observation:			
Leak detected		☐ Yes	☑ No
C. Leak Detection /Drain Manhole at Sta. B14+97.32 riser observation:			
Leak detected		☐ Yes	☑ No
D. Inspect Leachate Air/Vacuum release manhole			
Leak detected		☐ Yes	☑ No
E. Air/Vacuum release system function		☑ Normal	☐ Fail
4. Product Storage T-110		**(ONCE WEEKLY)**	
A. Record storage tank level _____			
B. Coordinate tanker schedule for product removal		☐ Yes	☐ No
C. Record total gallons removed _____ gallons			
D. Monitor tanker procedures		☐ Yes	☐ No
5. Acid Feed Pump P-203			
A. Running Light (Amber)		☑ On	☐ Off
B. Stroke Setting 20 %			
C. Acid Storage Tank Level 40 inches			

Note: When checking bulbs, check (√) box off to indicate that the bulb has been checked. If the bulb does **not** work place a large **X** in the box and notify your supervisor.

GWL-1 Date: 10-5-10. Inspected by: E. McLean.

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____ B. Tank Cleaning Date: 9-15-10.			
7. OWS Product Pump P-204			
A. Running Light (Red)	☑ Bulb	☐ On	☑ Off
8. Sludge Pump P-205			
A. Running Light (Red)	☑ Bulb	☐ On	☑ Off
B. Sludge Storage Tote Level 30"			
C. Sludge Transfer Date: 9-15-10. D. Decant Tote Date: 9-13-10.			
9. Transfer Pump P-201			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 59.01.00 Hz			
Transfer Pump P-202			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☐ On	☑ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 0.00 .00 Hz			
10. In-Line Bag Filters			
A. Check and record DPT-201 reading 10.32 psi			
B. Arrangement: ☐ Series ☑ Parallel C. Leading Filter: ☐ F-201 ☐ F-202			
D. Replace Filters: Date: 10-5-10. ☐ Yes ☑ No			
11. Leachate Discharge Transfer Pumps P-301			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Red)	☑ Bulb	☐ On	☑ Off
Leachate Discharge Transfer Pumps P-302			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Red)	☑ Bulb	☐ On	☑ Off
12. Carbon Absorption System			
A. Record leachate flow through Carbon Absorber		10 Gallon Count	
Date/time: 10-5-10. / 8.50a **Reading:**		8087693	
Date/time: 10-4-10. / 7.00a **Previous Reading:**		8084002	
B. Record DPT-301 reading 3.27 psi **Quantity:**		3691	
C. Replace filter F-301 Date: 9-28-10. D. Backwash Date: 10-4-10.			
E. Arrangement: ☐ Series ☑ Parallel F. Leading Absorber: ☐ F-201 ☐ F-202			
G. Pressure Gauge Local Readings: Carbon Absorbers Influent: 7 psi			
F-301 Filter Effluent: _____ psi Carbon Absorbers Effluent: 4 psi			

GWL-1

Date: 10-7-10.
Time: 7.45a
Inspected By: S. McLEAN.

LECHEATE SYSTEM O&M INSPECTION CHECKLIST
PENNSYLVANIA AVENUE LANDFILL

INSPECTION AND MAINTENANCE TASKS		ACTION	
1. Pump Stations #1			
A. Variable Frequency Drive	☑ On	☐ Off	
Frequency: 0.04 .00 Hz			
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
2. Pump Stations #2			
A. Variable Frequency Drive		☑ On	☐ Off
Frequency: 50.38 .00 Hz			
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
3. Pumping Stations #1 and #2 Manholes		**(ONCE WEEKLY)**	
A. Pump Station No.1 leak detection riser observation:			
Leak detected		☐ Yes	☑ No
B. Pump Station No. 2 leak detection riser observation:			
Leak detected		☐ Yes	☑ No
C. Leak Detection /Drain Manhole at Sta. B14+97.32 riser observation:			
Leak detected		☐ Yes	☑ No
D. Inspect Leachate Air/Vacuum release manhole			
Leak detected		☐ Yes	☑ No
E. Air/Vacuum release system function		☑ Normal	☐ Fail
4. Product Storage T-110		**(ONCE WEEKLY)**	
A. Record storage tank level _____			
B. Coordinate tanker schedule for product removal		☐ Yes	☐ No
C. Record total gallons removed _____ gallons			
D. Monitor tanker procedures		☐ Yes	☐ No
5. Acid Feed Pump P-203			
A. Running Light (Amber)		☑ On	☐ Off
B. Stroke Setting 20 %			
C. Acid Storage Tank Level 43.5 inches			

Note: When checking bulbs, check (√) box off to indicate that the bulb has been checked. If the bulb does **not** work place a large **X** in the box and notify your supervisor.

GWL-1 Date: 10-7-10. Inspected by: S. McLEAN

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____	B. Tank Cleaning Date: 9-15-10.		
7. OWS Product Pump P-204			
A. Running Light (Red)	☑ Bulb	☐ On	☑ Off
8. Sludge Pump P-205			
A. Running Light (Red)	☑ Bulb	☐ On	☑ Off
B. Sludge Storage Tote Level 30"			
C. Sludge Transfer Date: 9-15-10.	D. Decant Tote Date: 9-13-10.		
9. Transfer Pump P-201			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☐ On	☑ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 0.00 .00 Hz			
Transfer Pump P-202			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 31.4700 Hz			
10. In-Line Bag Filters			
A. Check and record DPT-201 reading 7.90 psi			
B. Arrangement: ☐ Series ☑ Parallel	C. Leading Filter:	☐ F-201	☐ F-202
D. Replace Filters: Date: 10-7-10		☐ Yes	☑ No
11. Leachate Discharge Transfer Pumps P-301			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Red)	☑ Bulb	☐ On	☑ Off
Leachate Discharge Transfer Pumps P-302			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Red)	☑ Bulb	☐ On	☑ Off
12. Carbon Absorption System			
A. Record leachate flow through Carbon Absorber		10 Gallon Count	
Date/time: 10-7-10 / 8.18a.	**Reading:**	8094429	
Date/time: 10-6-10 / 7.17a	**Previous Reading:**	8090976	
B. Record DPT-301 reading 7.05 psi	**Quantity:**	3453	
C. Replace filter F-301 Date: 9-28-10.	D. Backwash Date: 10-4-10.		
E. Arrangement: ☐ Series ☑ Parallel	F. Leading Absorber:	☐ F-201	☐ F-202
G. Pressure Gauge Local Readings:	Carbon Absorbers Influent: 13 psi		
F-301 Filter Effluent: _____ psi	Carbon Absorbers Effluent: 5 psi		

GWL-1

Date: 10-14-10.
Time: 8:35 a
Inspected By: E. McLEAN.

LECHEATE SYSTEM O&M INSPECTION CHECKLIST
PENNSYLVANIA AVENUE LANDFILL

INSPECTION AND MAINTENANCE TASKS	ACTION		
1. Pump Stations #1			
A. Variable Frequency Drive	☑ On	☐ Off	
Frequency: 0.04 .00 Hz			
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
2. Pump Stations #2			
A. Variable Frequency Drive		☑ On	☐ Off
Frequency: 46.63.00 Hz			
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
3. Pumping Stations #1 and #2 Manholes		**(ONCE WEEKLY)**	
A. Pump Station No.1 leak detection riser observation:			
Leak detected		☐ Yes	☑ No
B. Pump Station No. 2 leak detection riser observation:			
Leak detected		☐ Yes	☑ No
C. Leak Detection /Drain Manhole at Sta. B14+97.32 riser observation:			
Leak detected		☐ Yes	☑ No
D. Inspect Leachate Air/Vacuum release manhole			
Leak detected		☐ Yes	☑ No
E. Air/Vacuum release system function		☑ Normal	☐ Fail
4. Product Storage T-110		**(ONCE WEEKLY)**	
A. Record storage tank level _____			
B. Coordinate tanker schedule for product removal		☐ Yes	☐ No
C. Record total gallons removed _____ gallons			
D. Monitor tanker procedures		☐ Yes	☐ No
5. Acid Feed Pump P-203			
A. Running Light (Amber)		☑ On	☐ Off
B. Stroke Setting 30 %			
C. Acid Storage Tank Level 43.5 inches			

Note: When checking bulbs, check (√) box off to indicate that the bulb has been checked. If the bulb does **not** work place a large **X** in the box and notify your supervisor.

GWL-1 Date: 10-14-10. Inspected by: E. McLean.

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____	B. Tank Cleaning Date: 9-15-10.		
7. OWS Product Pump P-204			
A. Running Light (Red)	☑ Bulb	☐ On	☑ Off
8. Sludge Pump P-205			
A. Running Light (Red)	☑ Bulb	☐ On	☑ Off
B. Sludge Storage Tote Level 30"			
C. Sludge Transfer Date: 9-15-10.	D. Decant Tote Date: 9-13-10.		
9. Transfer Pump P-201			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 36.10 .00 Hz			
Transfer Pump P-202			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☐ On	☑ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 0.00 .00 Hz			
10. In-Line Bag Filters			
A. Check and record DPT-201 reading 13.78 psi			
B. Arrangement: ☐ Series ☑ Parallel	C. Leading Filter: ☐ F-201 ☐ F-202		
D. Replace Filters: Date: 10-14-10.		☐ Yes	☑ No
11. Leachate Discharge Transfer Pumps P-301			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Red)	☑ Bulb	☐ On	☑ Off
Leachate Discharge Transfer Pumps P-302			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Red)	☑ Bulb	☐ On	☑ Off
12. Carbon Absorption System			
A. Record leachate flow through Carbon Absorber		10 Gallon Count	
Date/time: 10-14-10 / 8.53 a.m.	**Reading:**	8115032	
Date/time: 10-13-10. / 9.36 a.m.	**Previous Reading:**	8111942	
B. Record DPT-301 reading 3.56 psi	**Quantity:**	3090	
C. Replace filter F-301 Date: 10-8-10.	D. Backwash Date: 10-4-10.		
E. Arrangement: ☐ Series ☑ Parallel	F. Leading Absorber: ☐ F-201 ☐ F-202		
G. Pressure Gauge Local Readings:	Carbon Absorbers Influent: 14 psi		
F-301 Filter Effluent: _____ psi	Carbon Absorbers Effluent: _____ psi		

GWL-1

Date: 10-19-10.
Time: 9:30a.
Inspected By: E. McLean.

LECHEATE SYSTEM O&M INSPECTION CHECKLIST
PENNSYLVANIA AVENUE LANDFILL

INSPECTION AND MAINTENANCE TASKS			ACTION
1. Pump Stations #1			
A. Variable Frequency Drive	☑ On	☐ Off	
Frequency: 0.04 .00 Hz			
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
2. Pump Stations #2			
A. Variable Frequency Drive		☑ On	☐ Off
Frequency: 46.8600 Hz			
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
3. Pumping Stations #1 and #2 Manholes			**(ONCE WEEKLY)**
A. Pump Station No.1 leak detection riser observation:			
Leak detected		☐ Yes	☑ No
B. Pump Station No. 2 leak detection riser observation:			
Leak detected		☐ Yes	☑ No
C. Leak Detection /Drain Manhole at Sta. B14+97.32 riser observation:			
Leak detected		☐ Yes	☑ No
D. Inspect Leachate Air/Vacuum release manhole			
Leak detected		☐ Yes	☑ No
E. Air/Vacuum release system function		☑ Normal	☐ Fail
4. Product Storage T-110			**(ONCE WEEKLY)**
A. Record storage tank level _____			
B. Coordinate tanker schedule for product removal		☐ Yes	☐ No
C. Record total gallons removed _____ gallons			
D. Monitor tanker procedures		☐ Yes	☐ No
5. Acid Feed Pump P-203			
A. Running Light (Amber)		☑ On	☐ Off
B. Stroke Setting 20 %			
C. Acid Storage Tank Level 41.35 inches			

Note: When checking bulbs, check (√) box off to indicate that the bulb has been checked. If the bulb does **not** work place a large **X** in the box and notify your supervisor.

GWL-1 Date: 10-19-10. Inspected by: B. McLean

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____	B. Tank Cleaning Date: 9-15-10.		
7. OWS Product Pump P-204			
A. Running Light (Red)	☑ Bulb	☐ On	☑ Off
8. Sludge Pump P-205			
A. Running Light (Red)	☑ Bulb	☐ On	☑ Off
B. Sludge Storage Tote Level 30"			
C. Sludge Transfer Date: 9-15-10	D. Decant Tote Date: 9-13-10.		
9. Transfer Pump P-201			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 33.47.00 Hz			
Transfer Pump P-202			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☐ On	☑ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 0.00 .00 Hz			
10. In-Line Bag Filters			
A. Check and record DPT-201 reading 1.50 psi			
B. Arrangement: ☐ Series ☑ Parallel	C. Leading Filter: ☐ F-201 ☐ F-202		
D. Replace Filters: Date: 10-19-10.		☑ Yes	☐ No
11. Leachate Discharge Transfer Pumps P-301			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Red)	☑ Bulb	☐ On	☑ Off
Leachate Discharge Transfer Pumps P-302			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Red)	☑ Bulb	☐ On	☑ Off
12. Carbon Absorption System			
A. Record leachate flow through Carbon Absorber		10 Gallon Count	
Date/time: 10-19-10 / 10:06 a.m.	**Reading:** 8139917		
Date/time: 10-18-10 / 7:18 a.m.	**Previous Reading:** 8136709		
B. Record DPT-301 reading 3.67 psi	**Quantity:** 3208		
C. Replace filter F-301 Date: 10-8-10.	D. Backwash Date: 10-18-10.		
E. Arrangement: ☐ Series ☑ Parallel	F. Leading Absorber: ☐ F-201 ☐ F-202		
G. Pressure Gauge Local Readings:	Carbon Absorbers Influent: 8 psi		
F-301 Filter Effluent: _____ psi	Carbon Absorbers Effluent: _____ psi		

GWL-1

Date: 10-21-10.
Time: 12:40p.
Inspected By: E. McLean.

LECHEATE SYSTEM O&M INSPECTION CHECKLIST
PENNSYLVANIA AVENUE LANDFILL

INSPECTION AND MAINTENANCE TASKS	ACTION		
1. Pump Stations #1			
A. Variable Frequency Drive	☑ On	☐ Off	
Frequency: 0.06 .00 Hz			
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
2. Pump Stations #2			
A. Variable Frequency Drive		☑ On	☐ Off
Frequency: 47.9300 Hz			
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
3. Pumping Stations #1 and #2 Manholes		**(ONCE WEEKLY)**	
A. Pump Station No.1 leak detection riser observation:			
Leak detected		☐ Yes	☑ No
B. Pump Station No. 2 leak detection riser observation:			
Leak detected		☐ Yes	☑ No
C. Leak Detection /Drain Manhole at Sta. B14+97.32 riser observation:			
Leak detected		☐ Yes	☑ No
D. Inspect Leachate Air/Vacuum release manhole			
Leak detected		☐ Yes	☑ No
E. Air/Vacuum release system function		☑ Normal	☐ Fail
4. Product Storage T-110		**(ONCE WEEKLY)**	
A. Record storage tank level _____			
B. Coordinate tanker schedule for product removal		☐ Yes	☐ No
C. Record total gallons removed _____ gallons			
D. Monitor tanker procedures		☐ Yes	☐ No
5. Acid Feed Pump P-203			
A. Running Light (Amber)		☑ On	☐ Off
B. Stroke Setting 30 %			
C. Acid Storage Tank Level 43 inches			

Note: When checking bulbs, check (√) box off to indicate that the bulb has been checked. If the bulb does **not** work place a large **X** in the box and notify your supervisor.

GWL-1 Date: 10-21-10. Inspected by: E. McLean.

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____	B. Tank Cleaning Date: 9-15-10.		
7. OWS Product Pump P-204			
A. Running Light (Red)	☑ Bulb	☐ On	☑ Off
8. Sludge Pump P-205			
A. Running Light (Red)	☑ Bulb	☐ On	☑ Off
B. Sludge Storage Tote Level 30"			
C. Sludge Transfer Date: 9-15-10.	D. Decant Tote Date: 9-13-10.		
9. Transfer Pump P-201			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☐ On	☑ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 0.00.00 Hz			
Transfer Pump P-202			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 39.35.00 Hz			
10. In-Line Bag Filters			
A. Check and record DPT-201 reading 24.66 psi			
B. Arrangement: ☐ Series ☑ Parallel	C. Leading Filter: ☐ F-201 ☐ F-202		
D. Replace Filters: Date: 10-21-10. 1.35p.		☑ Yes	☐ No
11. Leachate Discharge Transfer Pumps P-301			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Red)	☑ Bulb	☐ On	☑ Off
Leachate Discharge Transfer Pumps P-302			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Red)	☑ Bulb	☐ On	☑ Off
12. Carbon Absorption System			
A. Record leachate flow through Carbon Absorber		10 Gallon Count	
Date/time: 10-21-10 / 1.19p.	**Reading:**	8135682	
Date/time: 10-20-10 / 7.16a	**Previous Reading:**	8132266	
B. Record DPT-301 reading 7.21 psi	**Quantity:**	3416	
C. Replace filter F-301 Date: 10-8-10.	D. Backwash Date: 10-18-10.		
E. Arrangement: ☐ Series ☑ Parallel	F. Leading Absorber: ☐ F-201 ☐ F-202		
G. Pressure Gauge Local Readings:	Carbon Absorbers Influent: 15 psi		
F-301 Filter Effluent: _____ psi	Carbon Absorbers Effluent: _____ psi		

GWL-1

Date: 10-26-10.
Time: 7:50a
Inspected By: E. McLeaal.

LECHEATE SYSTEM O&M INSPECTION CHECKLIST
PENNSYLVANIA AVENUE LANDFILL

INSPECTION AND MAINTENANCE TASKS	ACTION		
1. Pump Stations #1			
A. Variable Frequency Drive	☑ On	☐ Off	
Frequency: 0.06 .00 Hz			
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
2. Pump Stations #2			
A. Variable Frequency Drive		☑ On	☐ Off
Frequency: 50.46 00 Hz			
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
3. Pumping Stations #1 and #2 Manholes			**(ONCE WEEKLY)**
A. Pump Station No.1 leak detection riser observation:			
Leak detected		☐ Yes	☑ No
B. Pump Station No. 2 leak detection riser observation:			
Leak detected		☐ Yes	☑ No
C. Leak Detection /Drain Manhole at Sta. B14+97.32 riser observation:			
Leak detected		☐ Yes	☑ No
D. Inspect Leachate Air/Vacuum release manhole			
Leak detected		☐ Yes	☑ No
E. Air/Vacuum release system function		☑ Normal	☐ Fail
4. Product Storage T-110			**(ONCE WEEKLY)**
A. Record storage tank level _____			
B. Coordinate tanker schedule for product removal		☐ Yes	☐ No
C. Record total gallons removed _____ gallons			
D. Monitor tanker procedures		☐ Yes	☐ No
5. Acid Feed Pump P-203			
A. Running Light (Amber)		☑ On	☐ Off
B. Stroke Setting 10 %			
C. Acid Storage Tank Level 42 inches			

Note: When checking bulbs, check (√) box off to indicate that the bulb has been checked. If the bulb does **not** work place a large **X** in the box and notify your supervisor.

GWL-1 Date: 10-26-10. Inspected by: E. McLEAN.

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____ B. Tank Cleaning Date: 10-22-10.			
7. OWS Product Pump P-204			
A. Running Light (Red)	☑ Bulb	☐ On	☑ Off
8. Sludge Pump P-205			
A. Running Light (Red)	☑ Bulb	☐ On	☑ Off
B. Sludge Storage Tote Level 34"			
C. Sludge Transfer Date: 10-22-10 D. Decant Tote Date: 10-22-10			
9. Transfer Pump P-201			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☐ On	☑ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 0.00 .00 Hz			
Transfer Pump P-202			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 26.23.00 Hz			
10. In-Line Bag Filters			
A. Check and record DPT-201 reading 4.60 psi			
B. Arrangement: ☐ Series ☑ Parallel C. Leading Filter: ☐ F-201 ☐ F-202			
D. Replace Filters: Date: 10-26-10.		☐ Yes	☑ No
11. Leachate Discharge Transfer Pumps P-301			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Red)	☑ Bulb	☐ On	☑ Off
Leachate Discharge Transfer Pumps P-302			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Red)	☑ Bulb	☐ On	☑ Off
12. Carbon Absorption System			
A. Record leachate flow through Carbon Absorber		10 Gallon Count	
Date/time: 10-26-10 / 8.50a. **Reading:** 8145529			
Date/time: 10-25-10 / 7.00a **Previous Reading:** 8143071			
B. Record DPT-301 reading 3.44 psi **Quantity:** 3458			
C. Replace filter F-301 Date: 10-22-10. D. Backwash Date: 10-25-10.			
E. Arrangement: ☐ Series ☑ Parallel F. Leading Absorber: ☐ F-201 ☐ F-202			
G. Pressure Gauge Local Readings: Carbon Absorbers Influent: 6 psi			
F-301 Filter Effluent: _____ psi Carbon Absorbers Effluent: _____ psi			

GWL-1

Date: 10-28-10.
Time: 7:50a.
Inspected By: E. McLean.

LECHEATE SYSTEM O&M INSPECTION CHECKLIST
PENNSYLVANIA AVENUE LANDFILL

INSPECTION AND MAINTENANCE TASKS	ACTION		
1. Pump Stations #1			
A. Variable Frequency Drive	☑ On	☐ Off	
Frequency: 0.06 .00 Hz			
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
2. Pump Stations #2			
A. Variable Frequency Drive		☑ On	☐ Off
Frequency: 43.84.00 Hz			
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
3. Pumping Stations #1 and #2 Manholes		**(ONCE WEEKLY)**	
A. Pump Station No.1 leak detection riser observation:			
Leak detected		☐ Yes	☑ No
B. Pump Station No. 2 leak detection riser observation:			
Leak detected		☐ Yes	☑ No
C. Leak Detection /Drain Manhole at Sta. B14+97.32 riser observation:			
Leak detected		☐ Yes	☑ No
D. Inspect Leachate Air/Vacuum release manhole			
Leak detected		☐ Yes	☑ No
E. Air/Vacuum release system function		☑ Normal	☐ Fail
4. Product Storage T-110		**(ONCE WEEKLY)**	
A. Record storage tank level _____			
B. Coordinate tanker schedule for product removal		☐ Yes	☐ No
C. Record total gallons removed _____ gallons			
D. Monitor tanker procedures		☐ Yes	☐ No
5. Acid Feed Pump P-203			
A. Running Light (Amber)		☑ On	☐ Off
B. Stroke Setting 10 %			
C. Acid Storage Tank Level 38 inches			

Note: When checking bulbs, check (√) box off to indicate that the bulb has been checked. If the bulb does **not** work place a large **X** in the box and notify your supervisor.

GWL-1 Date: 10-28-10. Inspected by: G. McLean.

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____ B. Tank Cleaning Date: 10-22-10.			
7. OWS Product Pump P-204			
A. Running Light (Red)	☑ Bulb	☐ On	☑ Off
8. Sludge Pump P-205			
A. Running Light (Red)	☑ Bulb	☐ On	☑ Off
B. Sludge Storage Tote Level 33"			
C. Sludge Transfer Date: 10-22-10. D. Decant Tote Date: 10-22-10.			
9. Transfer Pump P-201			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 31.36.00 Hz			
Transfer Pump P-202			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☐ On	☑ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 0.00 .00 Hz			
10. In-Line Bag Filters			
A. Check and record DPT-201 reading 8.03 psi			
B. Arrangement: ☐ Series ☑ Parallel C. Leading Filter: ☐ F-201 ☐ F-202			
D. Replace Filters: Date: 10-28-10.		☐ Yes	☑ No
11. Leachate Discharge Transfer Pumps P-301			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Red)	☑ Bulb	☐ On	☑ Off
Leachate Discharge Transfer Pumps P-302			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Red)	☑ Bulb	☐ On	☑ Off
12. Carbon Absorption System			
A. Record leachate flow through Carbon Absorber		10 Gallon Count	
Date/time: 10-28-10 / 8.30a	**Reading:**	8151155	
Date/time: 10-27-10 / 7.25a	**Previous Reading:**	8148415	
B. Record DPT-301 reading 2.66 psi	**Quantity:**	2740	
C. Replace filter F-301 Date: 10-22-10. D. Backwash Date: 10-25-10.			
E. Arrangement: ☐ Series ☑ Parallel F. Leading Absorber: ☐ F-201 ☐ F-202			
G. Pressure Gauge Local Readings: Carbon Absorbers Influent: 8 psi			
F-301 Filter Effluent: _____ psi Carbon Absorbers Effluent: _____ psi			

STRATIS

PENNSYLVANIA AVENUE LANDFILL
REPAIR LOG

Work Order:	**#112**
Date:	**6/28/10**
Location:	**GWL Plant pH probe**
Problem:	**No signal – intermittent for no apparent reason. Stops and starts working under varied conditions.**
Tech:	**David Singh, Walton Electric**
Repair:	**Meter working at time of electrician's visit. All wiring and circuits were tested and found to be operational. Electrician did not observe any damaged or loose wiring. Suggested that if problem ever reoccurs, do not reset or touch and call him to troubleshoot.**
Date Completed:	**10/15/10**

GWL-1

Date: 11-2-10.
Time: 8.35a.
Inspected By: E.McLEAN.

LECHEATE SYSTEM O&M INSPECTION CHECKLIST
PENNSYLVANIA AVENUE LANDFILL

INSPECTION AND MAINTENANCE TASKS	ACTION		
1. Pump Stations #1			
A. Variable Frequency Drive	☑ On	☐ Off	
Frequency: 0.04 .00 Hz			
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
2. Pump Stations #2			
A. Variable Frequency Drive		☑ On	☐ Off
Frequency: 43.37.00 Hz			
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
3. Pumping Stations #1 and #2 Manholes		**(ONCE WEEKLY)**	
A. Pump Station No.1 leak detection riser observation:			
Leak detected		☐ Yes	☑ No
B. Pump Station No. 2 leak detection riser observation:			
Leak detected		☐ Yes	☑ No
C. Leak Detection /Drain Manhole at Sta. B14+97.32 riser observation:			
Leak detected		☐ Yes	☑ No
D. Inspect Leachate Air/Vacuum release manhole			
Leak detected		☐ Yes	☑ No
E. Air/Vacuum release system function		☑ Normal	☐ Fail
4. Product Storage T-110 EMPTY		**(ONCE WEEKLY)**	
A. Record storage tank level _____			
B. Coordinate tanker schedule for product removal		☐ Yes	☐ No
C. Record total gallons removed _____ gallons			
D. Monitor tanker procedures		☐ Yes	☐ No
5. Acid Feed Pump P-203			
A. Running Light (Amber)		☑ On	☐ Off
B. Stroke Setting 10 %			
C. Acid Storage Tank Level 37.5 inches			

Note: When checking bulbs, check (√) box off to indicate that the bulb has been checked. If the bulb does **not** work place a large **X** in the box and notify your supervisor.

GWL-1 Date: 11-3-10. Inspected by: E. MCLEAN.

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____ B. Tank Cleaning Date: 10-22-10.			
7. OWS Product Pump P-204			
A. Running Light (Red)	☑ Bulb	☐ On	☑ Off
8. Sludge Pump P-205			
A. Running Light (Red)	☑ Bulb	☐ On	☑ Off
B. Sludge Storage Tote Level 33"			
C. Sludge Transfer Date: 10-22-10. D. Decant Tote Date: 10-22-10.			
9. Transfer Pump P-201			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 33.34.00 Hz			
Transfer Pump P-202			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☐ On	☑ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 0.00 .00 Hz			
10. In-Line Bag Filters			
A. Check and record DPT-201 reading 3.36 psi			
B. Arrangement: ☐ Series ☑ Parallel C. Leading Filter: ☐ F-201 ☐ F-202			
D. Replace Filters: Date: 11-3-10.		☐ Yes	☑ No
11. Leachate Discharge Transfer Pumps P-301			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Red)	☑ Bulb	☐ On	☑ Off
Leachate Discharge Transfer Pumps P-302			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Red)	☑ Bulb	☐ On	☑ Off
12. Carbon Absorption System			
A. Record leachate flow through Carbon Absorber		10 Gallon Count	
Date/time: 11-3-10 / 9.00a.m.	**Reading:**	8163593	
Date/time: 11-1-10 / 7:19 a.m.	**Previous Reading:**	8160908	
B. Record DPT-301 reading 0.59 psi	**Quantity:**	3684	
C. Replace filter F-301 Date: 11-1-10. D. Backwash Date: 11-1-10.			
E. Arrangement: ☐ Series ☑ Parallel F. Leading Absorber: ☐ F-201 ☐ F-202			
G. Pressure Gauge Local Readings: Carbon Absorbers Influent: 6 psi			
F-301 Filter Effluent: _____ psi Carbon Absorbers Effluent: _____ psi			

GWL-1

Date: 11-5-10.
Time: 9.50 a.m.
Inspected By: E. McLean.

LECHEATE SYSTEM O&M INSPECTION CHECKLIST
PENNSYLVANIA AVENUE LANDFILL

INSPECTION AND MAINTENANCE TASKS		ACTION	
1. Pump Stations #1			
A. Variable Frequency Drive	☑ On	☐ Off	
Frequency: 0.04 .00 Hz			
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
2. Pump Stations #2			
A. Variable Frequency Drive		☑ On	☐ Off
Frequency: 47.5400 Hz			
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
3. Pumping Stations #1 and #2 Manholes		**(ONCE WEEKLY)**	
A. Pump Station No.1 leak detection riser observation:			
Leak detected		☐ Yes	☑ No
B. Pump Station No. 2 leak detection riser observation:			
Leak detected		☐ Yes	☑ No
C. Leak Detection /Drain Manhole at Sta. B14+97.32 riser observation:			
Leak detected		☐ Yes	☑ No
D. Inspect Leachate Air/Vacuum release manhole			
Leak detected		☐ Yes	☑ No
E. Air/Vacuum release system function		☑ Normal	☐ Fail
4. Product Storage T-110 EMPTY		**(ONCE WEEKLY)**	
A. Record storage tank level _____			
B. Coordinate tanker schedule for product removal		☐ Yes	☐ No
C. Record total gallons removed _____ gallons			
D. Monitor tanker procedures		☐ Yes	☐ No
5. Acid Feed Pump P-203			
A. Running Light (Amber)		☑ On	☐ Off
B. Stroke Setting 10 %			
C. Acid Storage Tank Level 40.5 inches			

Note: When checking bulbs, check (√) box off to indicate that the bulb has been checked. If the bulb does **not** work place a large **X** in the box and notify your supervisor.

GWL-1 Date: 11-5-10 Inspected by: E. MILLER

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____ B. Tank Cleaning Date: 10-22-10			
7. OWS Product Pump P-204			
A. Running Light (Red)	☑ Bulb	☐ On	☑ Off
8. Sludge Pump P-205			
A. Running Light (Red)	☑ Bulb	☐ On	☑ Off
B. Sludge Storage Tote Level 33"			
C. Sludge Transfer Date: 10-22-10. D. Decant Tote Date: 10-22-10.			
9. Transfer Pump P-201			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 25.92.00 Hz			
Transfer Pump P-202			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☐ On	☑ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 0.00 .00 Hz			
10. In-Line Bag Filters			
A. Check and record DPT-201 reading 0.76 psi			
B. Arrangement: ☐ Series ☑ Parallel C. Leading Filter: ☐ F-201 ☐ F-202			
D. Replace Filters: Date: 11-5-10		☑ Yes	☐ No
11. Leachate Discharge Transfer Pumps P-301			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Red)	☑ Bulb	☐ On	☑ Off
Leachate Discharge Transfer Pumps P-302			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Red)	☑ Bulb	☐ On	☑ Off
12. Carbon Absorption System			
A. Record leachate flow through Carbon Absorber			10 Gallon Count
Date/time: _____	**Reading:** _____		
Date/time: _____	**Previous Reading:** _____		
B. Record DPT-301 reading 2.20 psi	**Quantity:** _____		
C. Replace filter F-301 Date: 11-1-10. D. Backwash Date: 11-1-10.			
E. Arrangement: ☐ Series ☑ Parallel F. Leading Absorber: ☐ F-201 ☐ F-202			
G. Pressure Gauge Local Readings: Carbon Absorbers Influent: 7 psi			
F-301 Filter Effluent: _____ psi Carbon Absorbers Effluent: _____ psi			

GWL-1

Date: 11-9-10
Time: 8:30a
Inspected By: E. McLean

LECHEATE SYSTEM O&M INSPECTION CHECKLIST
PENNSYLVANIA AVENUE LANDFILL

INSPECTION AND MAINTENANCE TASKS	ACTION		
1. Pump Stations #1			
A. Variable Frequency Drive	☑ On	☐ Off	
Frequency: 0.04 .00 Hz			
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
2. Pump Stations #2			
A. Variable Frequency Drive		☑ On	☐ Off
Frequency: 45.96 .00 Hz			
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
3. Pumping Stations #1 and #2 Manholes			**(ONCE WEEKLY)**
A. Pump Station No.1 leak detection riser observation:			
Leak detected		☐ Yes	☑ No
B. Pump Station No. 2 leak detection riser observation:			
Leak detected		☐ Yes	☑ No
C. Leak Detection /Drain Manhole at Sta. B14+97.32 riser observation:			
Leak detected		☐ Yes	☑ No
D. Inspect Leachate Air/Vacuum release manhole			
Leak detected		☐ Yes	☑ No
E. Air/Vacuum release system function		☑ Normal	☐ Fail
4. Product Storage T-110			**(ONCE WEEKLY)**
A. Record storage tank level _____			
B. Coordinate tanker schedule for product removal		☐ Yes	☐ No
C. Record total gallons removed _____ gallons			
D. Monitor tanker procedures		☐ Yes	☐ No
5. Acid Feed Pump P-203			
A. Running Light (Amber)		☑ On	☐ Off
B. Stroke Setting 10 %			
C. Acid Storage Tank Level 37 inches			

Note: When checking bulbs, check (√) box off to indicate that the bulb has been checked. If the bulb does **not** work place a large **X** in the box and notify your supervisor.

GWL-1 Date: 11-9-10. Inspected by: E. McLean.

INSPECTION AND MAINTENANCE TASKS	ACTION

6. Oil Water Separator Tank

A. Skimming Date: _____ B. Tank Cleaning Date: 10-22-10.

7. OWS Product Pump P-204

A. Running Light (Red) ☑ Bulb ☐ On ☑ Off

8. Sludge Pump P-205

A. Running Light (Red) ☑ Bulb ☐ On ☑ Off

B. Sludge Storage Tote Level 33"

C. Sludge Transfer Date: 10-22-10. D. Decant Tote Date: 10-22-10.

9. Transfer Pump P-201

A. Circuit Breaker Switch ☑ On ☐ Off

B. Running Light (Green) ☑ Bulb ☐ On ☑ Off

C. By-Pass Light (White) ☑ Bulb ☐ On ☑ Off

D. Selector Switch Position ☑ Drive ☐ Off ☐ By-Pass

E. Selector Switch Position ☑ Auto ☐ Manual

F. VFD Frequency: 0.00 .00 Hz

Transfer Pump P-202

A. Circuit Breaker Switch ☑ On ☐ Off

B. Running Light (Green) ☑ Bulb ☑ On ☐ Off

C. By-Pass Light (White) ☑ Bulb ☐ On ☑ Off

D. Selector Switch Position ☑ Drive ☐ Off ☐ By-Pass

E. Selector Switch Position ☑ Auto ☐ Manual

F. VFD Frequency: 24.84 00 Hz

10. In-Line Bag Filters

A. Check and record DPT-201 reading 5.79 psi

B. Arrangement: ☐ Series ☑ Parallel C. Leading Filter: ☐ F-201 ☐ F-202

D. Replace Filters: Date: 11-9-10. ☐ Yes ☑ No

11. Leachate Discharge Transfer Pumps P-301

A. Circuit Breaker Switch ☑ On ☐ Off

B. Running Light (Red) ☑ Bulb ☐ On ☑ Off

Leachate Discharge Transfer Pumps P-302

A. Circuit Breaker Switch ☑ On ☐ Off

B. Running Light (Red) ☑ Bulb ☐ On ☑ Off

12. Carbon Absorption System

A. Record leachate flow through Carbon Absorber 10 Gallon Count

Date/time: _____ **Reading:** _____

Date/time: _____ **Previous Reading:** _____

B. Record DPT-301 reading 3.91 psi **Quantity:** _____

C. Replace filter F-301 Date: 11-1-10. D. Backwash Date: 11-8-10.

E. Arrangement: ☐ Series ☑ Parallel F. Leading Absorber: ☐ F-201 ☐ F-202

G. Pressure Gauge Local Readings: Carbon Absorbers Influent: 6 psi

F-301 Filter Effluent: _____ psi Carbon Absorbers Effluent: _____ psi

GWL-1

Date: 11-11-10.
Time: 8.50 a.
Inspected By: E. McLeland.

LECHEATE SYSTEM O&M INSPECTION CHECKLIST
PENNSYLVANIA AVENUE LANDFILL

INSPECTION AND MAINTENANCE TASKS	ACTION		
1. Pump Stations #1			
A. Variable Frequency Drive	☑ On	☐ Off	
Frequency: 60.04 .00 Hz			
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
2. Pump Stations #2			
A. Variable Frequency Drive		☑ On	☐ Off
Frequency: 44.4400 Hz			
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
3. Pumping Stations #1 and #2 Manholes			**(ONCE WEEKLY)**
A. Pump Station No.1 leak detection riser observation:			
Leak detected		☐ Yes	☑ No
B. Pump Station No. 2 leak detection riser observation:			
Leak detected		☐ Yes	☑ No
C. Leak Detection /Drain Manhole at Sta. B14+97.32 riser observation:			
Leak detected		☐ Yes	☑ No
D. Inspect Leachate Air/Vacuum release manhole			
Leak detected		☐ Yes	☑ No
E. Air/Vacuum release system function		☑ Normal	☐ Fail
4. Product Storage T-110			**(ONCE WEEKLY)**
A. Record storage tank level _____			
B. Coordinate tanker schedule for product removal		☐ Yes	☐ No
C. Record total gallons removed _____ gallons			
D. Monitor tanker procedures		☐ Yes	☐ No
5. Acid Feed Pump P-203			
A. Running Light (Amber)		☑ On	☐ Off
B. Stroke Setting 10 %			
C. Acid Storage Tank Level 39 inches			

Note: When checking bulbs, check (√) box off to indicate that the bulb has been checked. If the bulb does **not** work place a large **X** in the box and notify your supervisor.

GWL-1 Date: 11-11-10. Inspected by: E. McLean

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____ B. Tank Cleaning Date: 10-22-10.			
7. OWS Product Pump P-204			
A. Running Light (Red)	☑ Bulb	☐ On	☑ Off
8. Sludge Pump P-205			
A. Running Light (Red)	☑ Bulb	☐ On	☑ Off
B. Sludge Storage Tote Level 33"			
C. Sludge Transfer Date: 10-22-10. D. Decant Tote Date: 10-22-10.			
9. Transfer Pump P-201			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: ~~24~~ 00.00 Hz			
Transfer Pump P-202			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☐ On	☑ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 0.00 .00 Hz			
10. In-Line Bag Filters			
A. Check and record DPT-201 reading 1.12 psi			
B. Arrangement: ☐ Series ☑ Parallel C. Leading Filter: ☐ F-201 ☐ F-202			
D. Replace Filters: Date: 11-11-10.		☑ Yes	☐ No
11. Leachate Discharge Transfer Pumps P-301			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Red)	☑ Bulb	☐ On	☑ Off
Leachate Discharge Transfer Pumps P-302			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Red)	☑ Bulb	☐ On	☑ Off
12. Carbon Absorption System			
A. Record leachate flow through Carbon Absorber — 10 Gallon Count			
Date/time: _____ **Reading:** _____			
Date/time: _____ **Previous Reading:** _____			
B. Record DPT-301 reading 0.86 psi **Quantity:** _____			
C. Replace filter F-301 Date: 11-10-10. D. Backwash Date: 11-8-10.			
E. Arrangement: ☐ Series ☑ Parallel F. Leading Absorber: ☐ F-201 ☐ F-202			
G. Pressure Gauge Local Readings: Carbon Absorbers Influent: 7.5 psi			
F-301 Filter Effluent: _____ psi Carbon Absorbers Effluent: _____ psi			

GWL-1

Date: 11-16-10.
Time: 8:25a.
Inspected By: E McLean.

LECHEATE SYSTEM O&M INSPECTION CHECKLIST
PENNSYLVANIA AVENUE LANDFILL

INSPECTION AND MAINTENANCE TASKS	ACTION		
1. Pump Stations #1			
A. Variable Frequency Drive	☑ On	☐ Off	
Frequency: 48.80.00 Hz			
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
2. Pump Stations #2			
A. Variable Frequency Drive		☑ On	☐ Off
Frequency: 32.99.00 Hz			
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
3. Pumping Stations #1 and #2 Manholes		**(ONCE WEEKLY)**	
A. Pump Station No.1 leak detection riser observation:			
Leak detected		☐ Yes	☑ No
B. Pump Station No. 2 leak detection riser observation:			
Leak detected		☐ Yes	☑ No
C. Leak Detection /Drain Manhole at Sta. B14+97.32 riser observation:			
Leak detected		☐ Yes	☑ No
D. Inspect Leachate Air/Vacuum release manhole			
Leak detected		☐ Yes	☑ No
E. Air/Vacuum release system function		☑ Normal	☐ Fail
4. Product Storage T-110		**(ONCE WEEKLY)**	
A. Record storage tank level _____			
B. Coordinate tanker schedule for product removal		☐ Yes	☐ No
C. Record total gallons removed _____ gallons			
D. Monitor tanker procedures		☐ Yes	☐ No
5. Acid Feed Pump P-203			
A. Running Light (Amber)		☑ On	☐ Off
B. Stroke Setting 10 %			
C. Acid Storage Tank Level 42 inches			

Note: When checking bulbs, check (√) box off to indicate that the bulb has been checked. If the bulb does **not** work place a large **X** in the box and notify your supervisor.

GWL-1 Date: 11-16-10. Inspected by: E. McLEAN

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____	B. Tank Cleaning Date: 10-22-10.		
7. OWS Product Pump P-204			
A. Running Light (Red)	☑ Bulb	☐ On	☑ Off
8. Sludge Pump P-205			
A. Running Light (Red)	☑ Bulb	☐ On	☑ Off
B. Sludge Storage Tote Level 33"			
C. Sludge Transfer Date: 10-22-10.	D. Decant Tote Date: 10-22-10.		
9. Transfer Pump P-201			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☐ On	☑ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 0.00 .00 Hz			
Transfer Pump P-202			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 25.91.00 Hz			
10. In-Line Bag Filters			
A. Check and record DPT-201 reading 3.72 psi			
B. Arrangement: ☐ Series ☑ Parallel	C. Leading Filter: ☐ F-201 ☐ F-202		
D. Replace Filters: Date: 11-16-10.		☐ Yes	☑ No
11. Leachate Discharge Transfer Pumps P-301			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Red)	☑ Bulb	☐ On	☑ Off
Leachate Discharge Transfer Pumps P-302			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Red)	☑ Bulb	☐ On	☑ Off
12. Carbon Absorption System			
A. Record leachate flow through Carbon Absorber		10 Gallon Count	
Date/time: _____	**Reading:** _____		
Date/time: _____	**Previous Reading:** _____		
B. Record DPT-301 reading 0.78 psi	**Quantity:** _____		
C. Replace filter F-301 Date: 11-15-10.	D. Backwash Date: 11-15-10		
E. Arrangement: ☐ Series ☑ Parallel	F. Leading Absorber: ☐ F-201 ☐ F-202		
G. Pressure Gauge Local Readings:	Carbon Absorbers Influent: 7 psi		
F-301 Filter Effluent: _____ psi	Carbon Absorbers Effluent: _____ psi		

GWL-1

Date: 11-18-10.
Time: 9.30 am.
Inspected By: E. McLEAN.

LECHEATE SYSTEM O&M INSPECTION CHECKLIST
PENNSYLVANIA AVENUE LANDFILL

INSPECTION AND MAINTENANCE TASKS		ACTION	
1. Pump Stations #1			
A. Variable Frequency Drive	☑ On	☐ Off	
Frequency: 48.87.00 Hz			
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
2. Pump Stations #2			
A. Variable Frequency Drive		☑ On	☐ Off
Frequency: 47.79.00 Hz			
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
3. Pumping Stations #1 and #2 Manholes		**(ONCE WEEKLY)**	
A. Pump Station No.1 leak detection riser observation:			
Leak detected		☐ Yes	☑ No
B. Pump Station No. 2 leak detection riser observation:			
Leak detected		☐ Yes	☑ No
C. Leak Detection /Drain Manhole at Sta. B14+97.32 riser observation:			
Leak detected		☐ Yes	☑ No
D. Inspect Leachate Air/Vacuum release manhole			
Leak detected		☐ Yes	☑ No
E. Air/Vacuum release system function		☑ Normal	☐ Fail
4. Product Storage T-110		**(ONCE WEEKLY)**	
A. Record storage tank level _____			
B. Coordinate tanker schedule for product removal		☐ Yes	☐ No
C. Record total gallons removed _____ gallons			
D. Monitor tanker procedures		☐ Yes	☐ No
5. Acid Feed Pump P-203			
A. Running Light (Amber)		☑ On	☐ Off
B. Stroke Setting 10 %			
C. Acid Storage Tank Level 41 inches			

Note: When checking bulbs, check (√) box off to indicate that the bulb has been checked. If the bulb does **not** work place a large **X** in the box and notify your supervisor.

GWL-1 Date: 11-18-10. Inspected by: E. McLEAN

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____ B. Tank Cleaning Date: 11-17-10.			
7. OWS Product Pump P-204			
A. Running Light (Red)	☑ Bulb	☐ On	☑ Off
8. Sludge Pump P-205			
A. Running Light (Red)	☑ Bulb	☐ On	☑ Off
B. Sludge Storage Tote Level 35"			
C. Sludge Transfer Date: 11-17-10. D. Decant Tote Date: 11-17-10.			
9. Transfer Pump P-201			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 30.73.00 Hz			
Transfer Pump P-202			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☐ On	☑ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 0.00 .00 Hz			
10. In-Line Bag Filters			
A. Check and record DPT-201 reading 8.44 psi			
B. Arrangement: ☐ Series ☑ Parallel C. Leading Filter: ☐ F-201 ☐ F-202			
D. Replace Filters: Date: 11-18-10.		☐ Yes	☑ No
11. Leachate Discharge Transfer Pumps P-301			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Red)	☑ Bulb	☐ On	☑ Off
Leachate Discharge Transfer Pumps P-302			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Red)	☑ Bulb	☐ On	☑ Off
12. Carbon Absorption System			
A. Record leachate flow through Carbon Absorber		10 Gallon Count	
Date/time: _____ **Reading:** _____			
Date/time: _____ **Previous Reading:** _____			
B. Record DPT-301 reading 1.77 psi **Quantity:** _____			
C. Replace filter F-301 Date: 11-15-10. D. Backwash Date: 11-15-10.			
E. Arrangement: ☐ Series ☑ Parallel F. Leading Absorber: ☐ F-201 ☐ F-202			
G. Pressure Gauge Local Readings: Carbon Absorbers Influent: 8 psi			
F-301 Filter Effluent: 11/15/11 psi Carbon Absorbers Effluent: _____ psi			

GWL-1

Date: 11/22/10
Time: _____
Inspected By: Ray Reeves

LECHEATE SYSTEM O&M INSPECTION CHECKLIST
PENNSYLVANIA AVENUE LANDFILL

INSPECTION AND MAINTENANCE TASKS	ACTION		
1. Pump Stations #1			
A. Variable Frequency Drive	☑ On	☐ Off	
Frequency: 48.60 .00 Hz			
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
2. Pump Stations #2			
A. Variable Frequency Drive		☑ On	☐ Off
Frequency: 12.77.00 Hz			
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
3. Pumping Stations #1 and #2 Manholes			**(ONCE WEEKLY)**
A. Pump Station No.1 leak detection riser observation:			
Leak detected		☐ Yes	☑ No
B. Pump Station No. 2 leak detection riser observation:			
Leak detected		☐ Yes	☑ No
C. Leak Detection /Drain Manhole at Sta. B14+97.32 riser observation:			
Leak detected		☐ Yes	☑ No
D. Inspect Leachate Air/Vacuum release manhole			
Leak detected		☐ Yes	☑ No
E. Air/Vacuum release system function		☑ Normal	☐ Fail
4. Product Storage T-110			**(ONCE WEEKLY)**
A. Record storage tank level _____			
B. Coordinate tanker schedule for product removal		☐ Yes	☐ No
C. Record total gallons removed _____ gallons			
D. Monitor tanker procedures		☐ Yes	☐ No
5. Acid Feed Pump P-203			
A. Running Light (Amber)		☑ On	☐ Off
B. Stroke Setting 10 %			
C. Acid Storage Tank Level 44 inches			

Note: When checking bulbs, check (√) box off to indicate that the bulb has been checked. If the bulb does **not** work place a large **X** in the box and notify your supervisor.

GWL-1 Date: 11/22/10 Inspected by: RA Kowalczyk

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____ B. Tank Cleaning Date: 11/17/10			
7. OWS Product Pump P-204			
A. Running Light (Red)	☐ Bulb	☐ On	☑ Off
8. Sludge Pump P-205			
A. Running Light (Red)	☐ Bulb	☐ On	☑ Off
B. Sludge Storage Tote Level 37"			
C. Sludge Transfer Date: _____ D. Decant Tote Date: _____			
9. Transfer Pump P-201			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☐ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☐ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 42.14.00 Hz			
Transfer Pump P-202			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☐ Bulb	☐ On	☑ Off
C. By-Pass Light (White)	☐ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 0 .00 Hz			
10. In-Line Bag Filters			
A. Check and record DPT-201 reading 0.43 psi			
B. Arrangement: ☐ Series ☑ Parallel C. Leading Filter: ☐ F-201 ☐ F-202			
D. Replace Filters: Date: 11/22/10		☑ Yes	☐ No
11. Leachate Discharge Transfer Pumps P-301			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Red)	☐ Bulb	☐ On	☑ Off
Leachate Discharge Transfer Pumps P-302			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Red)	☐ Bulb	☐ On	☑ Off
12. Carbon Absorption System			
A. Record leachate flow through Carbon Absorber		10 Gallon Count	
Date/time: _____ **Reading:** _____			
Date/time: _____ **Previous Reading:** _____			
B. Record DPT-301 reading _____ psi **Quantity:** _____			
C. Replace filter F-301 Date: _____ D. Backwash Date: _____			
E. Arrangement: ☐ Series ☑ Parallel F. Leading Absorber: ☐ F-201 ☐ F-202			
G. Pressure Gauge Local Readings: Carbon Absorbers Influent: 10 psi			
F-301 Filter Effluent: _____ psi Carbon Absorbers Effluent: _____ psi			

GWL-1

Date: 11/30/10
Time: 8:30
Inspected By: KRy

LECHEATE SYSTEM O&M INSPECTION CHECKLIST
PENNSYLVANIA AVENUE LANDFILL

INSPECTION AND MAINTENANCE TASKS	ACTION		
1. Pump Stations #1			
A. Variable Frequency Drive	☑ On	☐ Off	
Frequency: 48.80.00 Hz			
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
2. Pump Stations #2			
A. Variable Frequency Drive		☑ On	☐ Off
Frequency: 17,74.00 Hz			
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
3. Pumping Stations #1 and #2 Manholes		**(ONCE WEEKLY)**	
A. Pump Station No.1 leak detection riser observation:			
Leak detected		☐ Yes	☑ No
B. Pump Station No. 2 leak detection riser observation:			
Leak detected		☐ Yes	☑ No
C. Leak Detection /Drain Manhole at Sta. B14+97.32 riser observation:			
Leak detected		☐ Yes	☑ No
D. Inspect Leachate Air/Vacuum release manhole			
Leak detected		☐ Yes	☑ No
E. Air/Vacuum release system function		☑ Normal	☐ Fail
4. Product Storage T-110		**(ONCE WEEKLY)**	
A. Record storage tank level _____			
B. Coordinate tanker schedule for product removal		☐ Yes	☐ No
C. Record total gallons removed _____ gallons			
D. Monitor tanker procedures		☐ Yes	☐ No
5. Acid Feed Pump P-203			
A. Running Light (Amber)		☑ On	☐ Off
B. Stroke Setting 4 %			
C. Acid Storage Tank Level 28 inches			

Note: When checking bulbs, check (√) box off to indicate that the bulb has been checked. If the bulb does **not** work place a large **X** in the box and notify your supervisor.

GWL-1 Date: 11/30/10 Inspected by: RK

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____ B. Tank Cleaning Date: 11/17/10			
7. OWS Product Pump P-204			
A. Running Light (Red)	☑ Bulb	☐ On	☑ Off
8. Sludge Pump P-205			
A. Running Light (Red)	☑ Bulb	☐ On	☑ Off
B. Sludge Storage Tote Level 37			
C. Sludge Transfer Date: _____ D. Decant Tote Date: _____			
9. Transfer Pump P-201			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 25.15.00 Hz			
Transfer Pump P-202			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☐ On	☑ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: ____.00 Hz			
10. In-Line Bag Filters			
A. Check and record DPT-201 reading 5.09 psi			
B. Arrangement: ☐ Series ☑ Parallel C. Leading Filter: ☐ F-201 ☐ F-202			
D. Replace Filters: Date: 11/29/10		☑ Yes	☐ No
11. Leachate Discharge Transfer Pumps P-301			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Red)	☐ Bulb	☐ On	☑ Off
Leachate Discharge Transfer Pumps P-302			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Red)	☑ Bulb	☐ On	☑ Off
12. Carbon Absorption System			
A. Record leachate flow through Carbon Absorber		10 Gallon Count	
Date/time: _____ **Reading:** _____			
Date/time: _____ **Previous Reading:** _____			
B. Record DPT-301 reading 0.44 psi **Quantity:** _____			
C. Replace filter F-301 Date: ~~11/29/10~~ D. Backwash Date: 11/22/10			
E. Arrangement: ☐ Series ☐ Parallel F. Leading Absorber: ☐ F-201 ☐ F-202			
G. Pressure Gauge Local Readings: Carbon Absorbers Influent: 7 psi			
F-301 Filter Effluent: _____ psi Carbon Absorbers Effluent: 0 psi			

GWL-1

Date: 12-2-10
Time: 8.23 a.m.
Inspected By: E. McLEAN

LECHEATE SYSTEM O&M INSPECTION CHECKLIST
PENNSYLVANIA AVENUE LANDFILL

INSPECTION AND MAINTENANCE TASKS	ACTION		
1. Pump Stations #1			
A. Variable Frequency Drive	☑ On	☐ Off	
Frequency: 48.78.00 Hz			
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
2. Pump Stations #2			
A. Variable Frequency Drive		☑ On	☐ Off
Frequency: 40.00.00 Hz			
B. Running Light (Green)	☒ Bulb	☐ On	☑ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
3. Pumping Stations #1 and #2 Manholes			**(ONCE WEEKLY)**
A. Pump Station No.1 leak detection riser observation:			
Leak detected		☐ Yes	☑ No
B. Pump Station No. 2 leak detection riser observation:			
Leak detected		☐ Yes	☑ No
C. Leak Detection /Drain Manhole at Sta. B14+97.32 riser observation:			
Leak detected		☐ Yes	☑ No
D. Inspect Leachate Air/Vacuum release manhole			
Leak detected		☐ Yes	☑ No
E. Air/Vacuum release system function		☑ Normal	☐ Fail
4. Product Storage T-110			**(ONCE WEEKLY)**
A. Record storage tank level _____			
B. Coordinate tanker schedule for product removal		☐ Yes	☐ No
C. Record total gallons removed _____ gallons			
D. Monitor tanker procedures		☐ Yes	☐ No
5. Acid Feed Pump P-203			
A. Running Light (Amber)		☑ On	☐ Off
B. Stroke Setting 3 %			
C. Acid Storage Tank Level 41.5 inches			

Note: When checking bulbs, check (√) box off to indicate that the bulb has been checked. If the bulb does **not** work place a large **X** in the box and notify your supervisor.

GWL-1 Date: 12-2-10. Inspected by: E. McLean.

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____ B. Tank Cleaning Date: 11-17-10.			
7. OWS Product Pump P-204			
A. Running Light (Red)	☑ Bulb	☐ On	☑ Off
8. Sludge Pump P-205			
A. Running Light (Red)	☑ Bulb	☐ On	☑ Off
B. Sludge Storage Tote Level 37"			
C. Sludge Transfer Date: 11-17-10. D. Decant Tote Date: 11-17-10.			
9. Transfer Pump P-201			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☐ On	☑ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 0.00 .00 Hz			
Transfer Pump P-202			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 31.23.00 Hz			
10. In-Line Bag Filters			
A. Check and record DPT-201 reading 12.59 psi			
B. Arrangement: ☐ Series ☑ Parallel C. Leading Filter: ☐ F-201 ☐ F-202			
D. Replace Filters: Date: 12-2-10.		☐ Yes	☑ No
11. Leachate Discharge Transfer Pumps P-301			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Red)	☑ Bulb	☐ On	☑ Off
Leachate Discharge Transfer Pumps P-302			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Red)	☑ Bulb	☐ On	☑ Off
12. Carbon Absorption System			
A. Record leachate flow through Carbon Absorber		10 Gallon Count	
Date/time: _____ **Reading:** _____			
Date/time: _____ **Previous Reading:** 6			
B. Record DPT-301 reading 0.58 psi **Quantity:** _____			
C. Replace filter F-301 Date: 11-29-10. D. Backwash Date: 11-22-10.			
E. Arrangement: ☐ Series ☑ Parallel F. Leading Absorber: ☐ F-201 ☐ F-202			
G. Pressure Gauge Local Readings: Carbon Absorbers Influent: 8 psi			
F-301 Filter Effluent: _____ psi Carbon Absorbers Effluent: _____ psi			

GWL-1

Date: 13-7-10.
Time: 8.40 a.m.
Inspected By: E. McLEAN.

LECHEATE SYSTEM O&M INSPECTION CHECKLIST
PENNSYLVANIA AVENUE LANDFILL

INSPECTION AND MAINTENANCE TASKS	ACTION		
1. Pump Stations #1			
A. Variable Frequency Drive	☑ On	☐ Off	
Frequency: 48.71.00 Hz			
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
2. Pump Stations #2			
A. Variable Frequency Drive		☑ On	☐ Off
Frequency: 47.77.00 Hz			
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
3. Pumping Stations #1 and #2 Manholes		**(ONCE WEEKLY)**	
A. Pump Station No.1 leak detection riser observation:			
Leak detected		☐ Yes	☑ No
B. Pump Station No. 2 leak detection riser observation:			
Leak detected		☐ Yes	☑ No
C. Leak Detection /Drain Manhole at Sta. B14+97.32 riser observation:			
Leak detected		☐ Yes	☑ No
D. Inspect Leachate Air/Vacuum release manhole			
Leak detected		☐ Yes	☑ No
E. Air/Vacuum release system function		☑ Normal	☐ Fail
4. Product Storage T-110		**(ONCE WEEKLY)**	
A. Record storage tank level _____			
B. Coordinate tanker schedule for product removal		☐ Yes	☐ No
C. Record total gallons removed _____ gallons			
D. Monitor tanker procedures		☐ Yes	☐ No
5. Acid Feed Pump P-203			
A. Running Light (Amber)		☑ On	☐ Off
B. Stroke Setting 3 %			
C. Acid Storage Tank Level 43 inches			

Note: When checking bulbs, check (√) box off to indicate that the bulb has been checked. If the bulb does **not** work place a large **X** in the box and notify your supervisor.

GWL-1 Date: 12-7-10. Inspected by: E. McLEAN

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____	B. Tank Cleaning Date: 11-17-10.		
7. OWS Product Pump P-204			
A. Running Light (Red)	☑ Bulb	☐ On	☑ Off
8. Sludge Pump P-205			
A. Running Light (Red)	☑ Bulb	☐ On	☑ Off
B. Sludge Storage Tote Level 36"			
C. Sludge Transfer Date: 11-17-10.	D. Decant Tote Date: 11-17-10		
9. Transfer Pump P-201			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☐ On	☑ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 0.00 .00 Hz			
Transfer Pump P-202			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 27.66.00 Hz			
10. In-Line Bag Filters			
A. Check and record DPT-201 reading 13.48 psi			
B. Arrangement: ☐ Series ☑ Parallel	C. Leading Filter: ☐ F-201 ☐ F-202		
D. Replace Filters: Date: 12-7-10.		☐ Yes	☑ No
11. Leachate Discharge Transfer Pumps P-301			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Red)	☑ Bulb	☐ On	☑ Off
Leachate Discharge Transfer Pumps P-302			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Red)	☑ Bulb	☐ On	☑ Off
12. Carbon Absorption System			
A. Record leachate flow through Carbon Absorber		10 Gallon Count	
Date/time: _____	**Reading:** _____		
Date/time: _____	**Previous Reading:** _____		
B. Record DPT-301 reading 0.82 psi	**Quantity:** _____		
C. Replace filter F-301 Date: 12-6-10.	D. Backwash Date: 12-6-10.		
E. Arrangement: ☐ Series ☑ Parallel	F. Leading Absorber: ☐ F-201 ☐ F-202		
G. Pressure Gauge Local Readings:	Carbon Absorbers Influent: 6 psi		
F-301 Filter Effluent: _____ psi	Carbon Absorbers Effluent: _____ psi		

GWL-1

Date: 12-9-10.
Time: 9.50 a.m.
Inspected By: E McLEAN.

LECHEATE SYSTEM O&M INSPECTION CHECKLIST
PENNSYLVANIA AVENUE LANDFILL

INSPECTION AND MAINTENANCE TASKS	ACTION		
1. Pump Stations #1			
A. Variable Frequency Drive	☑ On	☐ Off	
Frequency: 48.71 .00 Hz			
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
2. Pump Stations #2			
A. Variable Frequency Drive		☑ On	☐ Off
Frequency: 29.5500 Hz			
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
3. Pumping Stations #1 and #2 Manholes			**(ONCE WEEKLY)**
A. Pump Station No.1 leak detection riser observation:			
Leak detected		☐ Yes	☑ No
B. Pump Station No. 2 leak detection riser observation:			
Leak detected		☐ Yes	☑ No
C. Leak Detection /Drain Manhole at Sta. B14+97.32 riser observation:			
Leak detected		☐ Yes	☑ No
D. Inspect Leachate Air/Vacuum release manhole			
Leak detected		☐ Yes	☑ No
E. Air/Vacuum release system function		☑ Normal	☐ Fail
4. Product Storage T-110			**(ONCE WEEKLY)**
A. Record storage tank level _____			
B. Coordinate tanker schedule for product removal		☐ Yes	☐ No
C. Record total gallons removed _____ gallons			
D. Monitor tanker procedures		☐ Yes	☐ No
5. Acid Feed Pump P-203			
A. Running Light (Amber)		☑ On	☐ Off
B. Stroke Setting 2 %			
C. Acid Storage Tank Level 38 inches			

Note: When checking bulbs, check (√) box off to indicate that the bulb has been checked. If the bulb does **not** work place a large **X** in the box and notify your supervisor.

GWL-1 Date: 12-9-10. Inspected by: E McLean.

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____ B. Tank Cleaning Date: 11-17-10.			
7. OWS Product Pump P-204			
A. Running Light (Red)	☑ Bulb	☐ On	☑ Off
8. Sludge Pump P-205			
A. Running Light (Red)	☑ Bulb	☐ On	☑ Off
B. Sludge Storage Tote Level 36"			
C. Sludge Transfer Date: 11-17-10. D. Decant Tote Date: 11-17-10.			
9. Transfer Pump P-201			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 25.27.00 Hz			
Transfer Pump P-202			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☐ On	☑ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 0.00 .00 Hz			
10. In-Line Bag Filters			
A. Check and record DPT-201 reading 0.82 psi			
B. Arrangement: ☐ Series ☑ Parallel C. Leading Filter: ☐ F-201 ☐ F-202			
D. Replace Filters: Date: 12-9-10.		☑ Yes	☐ No
11. Leachate Discharge Transfer Pumps P-301			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Red)	☑ Bulb	☐ On	☑ Off
Leachate Discharge Transfer Pumps P-302			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Red)	☑ Bulb	☐ On	☑ Off
12. Carbon Absorption System			
A. Record leachate flow through Carbon Absorber		10 Gallon Count	
Date/time: _____ **Reading:** _____			
Date/time: _____ **Previous Reading:** _____			
B. Record DPT-301 reading 3.63 psi **Quantity:** _____			
C. Replace filter F-301 Date: 12-6-10. D. Backwash Date: 12-6-10.			
E. Arrangement: ☐ Series ☑ Parallel F. Leading Absorber: ☐ F-201 ☐ F-202			
G. Pressure Gauge Local Readings: Carbon Absorbers Influent: 8 psi			
F-301 Filter Effluent: _____ psi Carbon Absorbers Effluent: _____ psi			

GWL-1

Date: 12-14-10.
Time: 9:20 a.m.
Inspected By: E. McLEAN.

LECHEATE SYSTEM O&M INSPECTION CHECKLIST
PENNSYLVANIA AVENUE LANDFILL

INSPECTION AND MAINTENANCE TASKS	ACTION		
1. Pump Stations #1			
A. Variable Frequency Drive	☑ On	☐ Off	
Frequency: 48.79.00 Hz			
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
2. Pump Stations #2			
A. Variable Frequency Drive		☑ On	☐ Off
Frequency: 40.79.00 Hz			
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
3. Pumping Stations #1 and #2 Manholes		**(ONCE WEEKLY)**	
A. Pump Station No.1 leak detection riser observation:			
Leak detected		☐ Yes	☑ No
B. Pump Station No. 2 leak detection riser observation:			
Leak detected		☐ Yes	☑ No
C. Leak Detection /Drain Manhole at Sta. B14+97.32 riser observation:			
Leak detected		☐ Yes	☑ No
D. Inspect Leachate Air/Vacuum release manhole			
Leak detected		☐ Yes	☑ No
E. Air/Vacuum release system function		☑ Normal	☐ Fail
4. Product Storage T-110		**(ONCE WEEKLY)**	
A. Record storage tank level _____			
B. Coordinate tanker schedule for product removal		☐ Yes	☐ No
C. Record total gallons removed _____ gallons			
D. Monitor tanker procedures		☐ Yes	☐ No
5. Acid Feed Pump P-203			
A. Running Light (Amber)		☑ On	☐ Off
B. Stroke Setting 5 %			
C. Acid Storage Tank Level 41.25 inches			

Note: When checking bulbs, check (√) box off to indicate that the bulb has been checked. If the bulb does **not** work place a large **X** in the box and notify your supervisor.

GWL-1 Date: 12-14-10 Inspected by: E. McLEAN

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____ B. Tank Cleaning Date: 11-17-10.			
7. OWS Product Pump P-204			
A. Running Light (Red)	☑ Bulb	☐ On	☑ Off
8. Sludge Pump P-205			
A. Running Light (Red)	☑ Bulb	☐ On	☑ Off
B. Sludge Storage Tote Level 36"			
C. Sludge Transfer Date: 11-17-10. D. Decant Tote Date: 11-17-10.			
9. Transfer Pump P-201			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 57.77.00 Hz			
Transfer Pump P-202			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☐ On	☑ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 0.00 .00 Hz			
10. In-Line Bag Filters			
A. Check and record DPT-201 reading 6.56 psi			
B. Arrangement: ☐ Series ☑ Parallel C. Leading Filter: ☐ F-201 ☐ F-202			
D. Replace Filters: Date: 12-14-10		☐ Yes	☑ No
11. Leachate Discharge Transfer Pumps P-301			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Red)	☑ Bulb	☐ On	☑ Off
Leachate Discharge Transfer Pumps P-302			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Red)	☑ Bulb	☐ On	☑ Off
12. Carbon Absorption System			
A. Record leachate flow through Carbon Absorber		10 Gallon Count	
Date/time: _____ **Reading:** _____			
Date/time: _____ **Previous Reading:** _____			
B. Record DPT-301 reading 1.30 psi **Quantity:** _____			
C. Replace filter F-301 Date: 12-13-10. D. Backwash Date: 12-6-10.			
E. Arrangement: ☐ Series ☑ Parallel F. Leading Absorber: ☐ F-201 ☐ F-202			
G. Pressure Gauge Local Readings: Carbon Absorbers Influent: 8 psi			
F-301 Filter Effluent: _____ psi Carbon Absorbers Effluent: _____ psi			

GWL-1

Date: 12-16-10.
Time: 9.30a.m.
Inspected By: E McLean.

LECHEATE SYSTEM O&M INSPECTION CHECKLIST
PENNSYLVANIA AVENUE LANDFILL

INSPECTION AND MAINTENANCE TASKS	ACTION		
1. Pump Stations #1			
A. Variable Frequency Drive	☑ On	☐ Off	
Frequency: 48.71.00 Hz			
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
2. Pump Stations #2			
A. Variable Frequency Drive		☑ On	☐ Off
Frequency: 17.77.00 Hz			
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
3. Pumping Stations #1 and #2 Manholes			**(ONCE WEEKLY)**
A. Pump Station No.1 leak detection riser observation:			
Leak detected		☐ Yes	☑ No
B. Pump Station No. 2 leak detection riser observation:			
Leak detected		☐ Yes	☑ No
C. Leak Detection /Drain Manhole at Sta. B14+97.32 riser observation:			
Leak detected		☐ Yes	☑ No
D. Inspect Leachate Air/Vacuum release manhole			
Leak detected		☐ Yes	☑ No
E. Air/Vacuum release system function		☑ Normal	☐ Fail
4. Product Storage T-110			**(ONCE WEEKLY)**
A. Record storage tank level _____			
B. Coordinate tanker schedule for product removal		☐ Yes	☐ No
C. Record total gallons removed _____ gallons			
D. Monitor tanker procedures		☐ Yes	☐ No
5. Acid Feed Pump P-203			
A. Running Light (Amber)		☑ On	☐ Off
B. Stroke Setting 18 %			
C. Acid Storage Tank Level 37.25 inches			

Note: When checking bulbs, check (√) box off to indicate that the bulb has been checked. If the bulb does **not** work place a large **X** in the box and notify your supervisor.

GWL-1 Date: 12-16-10. Inspected by: E. McLean.

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____	B. Tank Cleaning Date: 12-15-10.		
7. OWS Product Pump P-204			
A. Running Light (Red)	☑ Bulb	☐ On	☑ Off
8. Sludge Pump P-205			
A. Running Light (Red)	☑ Bulb	☐ On	☑ Off
B. Sludge Storage Tote Level 30"			
C. Sludge Transfer Date: 12-15-10.	D. Decant Tote Date: 12-15-10		
9. Transfer Pump P-201			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☐ On	☑ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 0.00 .00 Hz			
Transfer Pump P-202			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 59.72.00 Hz			
10. In-Line Bag Filters			
A. Check and record DPT-201 reading 7.89 psi			
B. Arrangement: ☐ Series ☑ Parallel	C. Leading Filter: ☐ F-201 ☐ F-202		
D. Replace Filters: Date: 12-16-10.		☐ Yes	☑ No
11. Leachate Discharge Transfer Pumps P-301			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Red)	☑ Bulb	☐ On	☑ Off
Leachate Discharge Transfer Pumps P-302			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Red)	☑ Bulb	☐ On	☑ Off
12. Carbon Absorption System			
A. Record leachate flow through Carbon Absorber		10 Gallon Count	
Date/time: _____	**Reading:** _____		
Date/time: _____	**Previous Reading:** _____		
B. Record DPT-301 reading 1.04 psi	**Quantity:** _____		
C. Replace filter F-301 Date: 12-13-10	D. Backwash Date: 12-6-10.		
E. Arrangement: ☐ Series ☑ Parallel	F. Leading Absorber: ☐ F-201 ☐ F-202		
G. Pressure Gauge Local Readings:	Carbon Absorbers Influent: 8 psi		
F-301 Filter Effluent: _____ psi	Carbon Absorbers Effluent: _____ psi		

GWL-1

Date: 12-21-10
Time: 8.05 a.m.
Inspected By: E.McLean

LECHEATE SYSTEM O&M INSPECTION CHECKLIST
PENNSYLVANIA AVENUE LANDFILL

INSPECTION AND MAINTENANCE TASKS		ACTION	
1. Pump Stations #1			
A. Variable Frequency Drive	☑ On	☐ Off	
Frequency: 48.71.00 Hz			
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
2. Pump Stations #2			
A. Variable Frequency Drive		☑ On	☐ Off
Frequency: 23.58.00 Hz			
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
3. Pumping Stations #1 and #2 Manholes		**(ONCE WEEKLY)**	
A. Pump Station No.1 leak detection riser observation:			
Leak detected		☐ Yes	☑ No
B. Pump Station No. 2 leak detection riser observation:			
Leak detected		☐ Yes	☑ No
C. Leak Detection /Drain Manhole at Sta. B14+97.32 riser observation:			
Leak detected		☐ Yes	☑ No
D. Inspect Leachate Air/Vacuum release manhole			
Leak detected		☐ Yes	☑ No
E. Air/Vacuum release system function		☑ Normal	☐ Fail
4. Product Storage T-110		**(ONCE WEEKLY)**	
A. Record storage tank level _____			
B. Coordinate tanker schedule for product removal		☐ Yes	☐ No
C. Record total gallons removed _____ gallons			
D. Monitor tanker procedures		☐ Yes	☐ No
5. Acid Feed Pump P-203			
A. Running Light (Amber)		☑ On	☐ Off
B. Stroke Setting 90 %			
C. Acid Storage Tank Level 39.5 inches			

Note: When checking bulbs, check (√) box off to indicate that the bulb has been checked. If the bulb does **not** work place a large **X** in the box and notify your supervisor.

GWL-1 Date: 12-21-10. Inspected by: E.McLEAN

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____ B. Tank Cleaning Date: 12-15-10.			
7. OWS Product Pump P-204			
A. Running Light (Red)	☑ Bulb	☐ On	☑ Off
8. Sludge Pump P-205			
A. Running Light (Red)	☑ Bulb	☐ On	☑ Off
B. Sludge Storage Tote Level 30"			
C. Sludge Transfer Date: 12-15-10. D. Decant Tote Date: 12-15-10			
9. Transfer Pump P-201			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☐ On	☑ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 0.00 .00 Hz			
Transfer Pump P-202			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 24.83.00 Hz			
10. In-Line Bag Filters			
A. Check and record DPT-201 reading 4.84 psi			
B. Arrangement: ☐ Series ☑ Parallel C. Leading Filter: ☐ F-201 ☐ F-202			
D. Replace Filters: Date: 12-21-10.		☐ Yes	☑ No
11. Leachate Discharge Transfer Pumps P-301			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Red)	☑ Bulb	☐ On	☑ Off
Leachate Discharge Transfer Pumps P-302			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Red)	☑ Bulb	☐ On	☑ Off
12. Carbon Absorption System			
A. Record leachate flow through Carbon Absorber		10 Gallon Count	
Date/time: _____ **Reading:** _____			
Date/time: _____ **Previous Reading:** _____			
B. Record DPT-301 reading 2.39 psi **Quantity:** _____			
C. Replace filter F-301 Date: 12-21-10. D. Backwash Date: 12-20-10.			
E. Arrangement: ☐ Series ☑ Parallel F. Leading Absorber: ☐ F-201 ☐ F-202			
G. Pressure Gauge Local Readings: Carbon Absorbers Influent: 7 psi			
F-301 Filter Effluent: _____ psi Carbon Absorbers Effluent: _____ psi			

GWL-1

Date: 12-23-10.
Time: 8:00 a
Inspected By: E. McLean.

LECHEATE SYSTEM O&M INSPECTION CHECKLIST
PENNSYLVANIA AVENUE LANDFILL

INSPECTION AND MAINTENANCE TASKS	ACTION		
1. Pump Stations #1			
A. Variable Frequency Drive	☑ On	☐ Off	
Frequency: 48.71 .00 Hz			
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
2. Pump Stations #2			
A. Variable Frequency Drive		☑ On	☐ Off
Frequency: 47.77 .00 Hz			
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
3. Pumping Stations #1 and #2 Manholes			**(ONCE WEEKLY)**
A. Pump Station No.1 leak detection riser observation:			
Leak detected		☐ Yes	☑ No
B. Pump Station No. 2 leak detection riser observation:			
Leak detected		☐ Yes	☑ No
C. Leak Detection /Drain Manhole at Sta. B14+97.32 riser observation:			
Leak detected		☐ Yes	☑ No
D. Inspect Leachate Air/Vacuum release manhole			
Leak detected		☐ Yes	☑ No
E. Air/Vacuum release system function		☑ Normal	☐ Fail
4. Product Storage T-110			**(ONCE WEEKLY)**
A. Record storage tank level _____			
B. Coordinate tanker schedule for product removal		☐ Yes	☐ No
C. Record total gallons removed _____ gallons			
D. Monitor tanker procedures		☐ Yes	☐ No
5. Acid Feed Pump P-203			
A. Running Light (Amber)		☑ On	☐ Off
B. Stroke Setting 30 %			
C. Acid Storage Tank Level 43 inches			

Note: When checking bulbs, check (√) box off to indicate that the bulb has been checked. If the bulb does **not** work place a large **X** in the box and notify your supervisor.

GWL-1 Date: 12-23-10. Inspected by: E McLEAN.

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____ B. Tank Cleaning Date: 12-15-10.			
7. OWS Product Pump P-204			
A. Running Light (Red)	☑ Bulb	☐ On	☑ Off
8. Sludge Pump P-205			
A. Running Light (Red)	☑ Bulb	☐ On	☑ Off
B. Sludge Storage Tote Level 30"			
C. Sludge Transfer Date: 12-15-10. D. Decant Tote Date: 12-15-10.			
9. Transfer Pump P-201			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 26.38.00 Hz			
Transfer Pump P-202			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☐ On	☑ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 0.00 .00 Hz			
10. In-Line Bag Filters			
A. Check and record DPT-201 reading 6.14 psi			
B. Arrangement: ☐ Series ☑ Parallel C. Leading Filter: ☐ F-201 ☐ F-202			
D. Replace Filters: Date: 12-23-10.		☐ Yes	☑ No
11. Leachate Discharge Transfer Pumps P-301			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Red)	☑ Bulb	☐ On	☑ Off
Leachate Discharge Transfer Pumps P-302			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Red)	☑ Bulb	☐ On	☑ Off
12. Carbon Absorption System			
A. Record leachate flow through Carbon Absorber		10 Gallon Count	
Date/time: _____	**Reading:**	_____	
Date/time: _____	**Previous Reading:**	_____	
B. Record DPT-301 reading 0.99 psi	**Quantity:**	_____	
C. Replace filter F-301 Date: 12-31-10. D. Backwash Date: 12-30-10.			
E. Arrangement: ☐ Series ☑ Parallel F. Leading Absorber: ☐ F-201 ☐ F-202			
G. Pressure Gauge Local Readings: Carbon Absorbers Influent: 7 psi			
F-301 Filter Effluent: _____ psi Carbon Absorbers Effluent: _____ psi			

GWL-1

Date: 12-28-10.
Time: 10:15a
Inspected By: E.M. LEAH.

LECHEATE SYSTEM O&M INSPECTION CHECKLIST
PENNSYLVANIA AVENUE LANDFILL

INSPECTION AND MAINTENANCE TASKS		ACTION	
1. Pump Stations #1			
A. Variable Frequency Drive	☑ On	☐ Off	
Frequency: 48.71.00 Hz			
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
2. Pump Stations #2			
A. Variable Frequency Drive		☑ On	☐ Off
Frequency: 17.77.00 Hz			
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
3. Pumping Stations #1 and #2 Manholes		**(ONCE WEEKLY)**	
A. Pump Station No.1 leak detection riser observation:			
Leak detected		☐ Yes	☑ No
B. Pump Station No. 2 leak detection riser observation:			
Leak detected		☐ Yes	☑ No
C. Leak Detection /Drain Manhole at Sta. B14+97.32 riser observation:			
Leak detected		☐ Yes	☑ No
D. Inspect Leachate Air/Vacuum release manhole			
Leak detected		☐ Yes	☑ No
E. Air/Vacuum release system function		☑ Normal	☐ Fail
4. Product Storage T-110		**(ONCE WEEKLY)**	
A. Record storage tank level _____			
B. Coordinate tanker schedule for product removal		☐ Yes	☐ No
C. Record total gallons removed _____ gallons			
D. Monitor tanker procedures		☐ Yes	☐ No
5. Acid Feed Pump P-203			
A. Running Light (Amber)		☑ On	☐ Off
B. Stroke Setting 30 %			
C. Acid Storage Tank Level 40 inches			

Note: When checking bulbs, check (√) box off to indicate that the bulb has been checked. If the bulb does **not** work place a large **X** in the box and notify your supervisor.

GWL-1 Date: 12-28-10. Inspected by: E.McLean

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____	B. Tank Cleaning Date: 12-15-10.		
7. OWS Product Pump P-204			
A. Running Light (Red)	☑ Bulb	☐ On	☑ Off
8. Sludge Pump P-205			
A. Running Light (Red)	☑ Bulb	☐ On	☑ Off
B. Sludge Storage Tote Level 20"			
C. Sludge Transfer Date: 12-15-10.	D. Decant Tote Date: 12-15-10.		
9. Transfer Pump P-201			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☐ Bulb	☐ On	☐ Off
C. By-Pass Light (White)	☐ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 0.00 .00 Hz			
Transfer Pump P-202			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☐ Bulb	☐ On	☐ Off
C. By-Pass Light (White)	☐ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 25.21.00 Hz			
10. In-Line Bag Filters			
A. Check and record DPT-201 reading 10.85 psi			
B. Arrangement: ☐ Series ☑ Parallel	C. Leading Filter:	☐ F-201	☐ F-202
D. Replace Filters: Date: 12-28-10.		☐ Yes	☑ No
11. Leachate Discharge Transfer Pumps P-301			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Red)	☑ Bulb	☐ On	☑ Off
Leachate Discharge Transfer Pumps P-302			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Red)	☑ Bulb	☐ On	☑ Off
12. Carbon Absorption System			
A. Record leachate flow through Carbon Absorber		10 Gallon Count	
Date/time: _____	**Reading:**	_____	
Date/time: _____	**Previous Reading:**	_____	
B. Record DPT-301 reading 0.84 psi	**Quantity:**	_____	
C. Replace filter F-301 Date: 12-21-10	D. Backwash Date: 12-20-10.		
E. Arrangement: ☐ Series ☑ Parallel	F. Leading Absorber:	☐ F-201	☐ F-202
G. Pressure Gauge Local Readings:	Carbon Absorbers Influent: 7 psi		
F-301 Filter Effluent: _____ psi	Carbon Absorbers Effluent: _____ psi		

GWL-1

Date: 12-30-10.
Time: 9.55 am.
Inspected By: E. McLEAN.

LECHEATE SYSTEM O&M INSPECTION CHECKLIST
PENNSYLVANIA AVENUE LANDFILL

INSPECTION AND MAINTENANCE TASKS		ACTION	
1. Pump Stations #1			
A. Variable Frequency Drive	☑ On	☐ Off	
Frequency: 48.74.00 Hz			
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
2. Pump Stations #2			
A. Variable Frequency Drive		☑ On	☐ Off
Frequency: 38.74.00 Hz			
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
3. Pumping Stations #1 and #2 Manholes		**(ONCE WEEKLY)**	
A. Pump Station No.1 leak detection riser observation:			
Leak detected		☐ Yes	☑ No
B. Pump Station No. 2 leak detection riser observation:			
Leak detected		☐ Yes	☑ No
C. Leak Detection /Drain Manhole at Sta. B14+97.32 riser observation:			
Leak detected		☐ Yes	☑ No
D. Inspect Leachate Air/Vacuum release manhole			
Leak detected		☐ Yes	☑ No
E. Air/Vacuum release system function		☑ Normal	☐ Fail
4. Product Storage T-110		**(ONCE WEEKLY)**	
A. Record storage tank level _____			
B. Coordinate tanker schedule for product removal		☐ Yes	☐ No
C. Record total gallons removed _____ gallons			
D. Monitor tanker procedures		☐ Yes	☐ No
5. Acid Feed Pump P-203			
A. Running Light (Amber)		☑ On	☐ Off
B. Stroke Setting 30 %			
C. Acid Storage Tank Level 44 inches			

Note: When checking bulbs, check (√) box off to indicate that the bulb has been checked. If the bulb does **not** work place a large **X** in the box and notify your supervisor.

GWL-1 Date: 12-30-10. Inspected by: E. McLEAN.

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____	B. Tank Cleaning Date: 12-15-10.		
7. OWS Product Pump P-204			
A. Running Light (Red)	☑ Bulb	☐ On	☑ Off
8. Sludge Pump P-205			
A. Running Light (Red)	☑ Bulb	☐ On	☑ Off
B. Sludge Storage Tote Level 30"			
C. Sludge Transfer Date: 12-15-10.	D. Decant Tote Date: 12-15-10.		
9. Transfer Pump P-201			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☐ On	☑ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 0.00 .00 Hz			
Transfer Pump P-202			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 35.11 .00 Hz			
10. In-Line Bag Filters			
A. Check and record DPT-201 reading 14.40 psi			
B. Arrangement: ☐ Series ☑ Parallel	C. Leading Filter: ☐ F-201 ☐ F-202		
D. Replace Filters: Date: 12-30-10. 2.40		☑ Yes	☐ No
11. Leachate Discharge Transfer Pumps P-301			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Red)	☑ Bulb	☐ On	☑ Off
Leachate Discharge Transfer Pumps P-302			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Red)	☑ Bulb	☐ On	☑ Off
12. Carbon Absorption System			
A. Record leachate flow through Carbon Absorber		10 Gallon Count	
Date/time: _____	**Reading:**	_____	
Date/time: _____	**Previous Reading:**	_____	
B. Record DPT-301 reading 0.65 psi	**Quantity:**	_____	
C. Replace filter F-301 Date: 12-31-10.	D. Backwash Date: 12-30-10.		
E. Arrangement: ☐ Series ☑ Parallel	F. Leading Absorber: ☐ F-201 ☐ F-202		
G. Pressure Gauge Local Readings:	Carbon Absorbers Influent: 8 psi		
F-301 Filter Effluent: _____ psi	Carbon Absorbers Effluent: _____ psi		

Groundwater Leachate Pretreatment

GWL-2 Monthly Inspections

(October, November and December, 2010)

GWL-2

Date: 10-26-10.
Time: 1:30p
Inspected By: E. McLean.

MONTHLY O&M INSPECTION CHECKLIST
LECHEATE PRETREATMENT SYSTEM
FRESH CREEK BASIN REMEDIATION
PENNSYLVANIA AVENUE LANDFILL

INSPECTION AND MAINTENANCE TASKS	ACTION		
1. Pumping Station #1 Manholes			
A. Alignment of Manhole and Valve Chamber Manhole	☑ Normal		☐ Misalign
B. Exercise all Valves at Pump Station #1	☑ Normal Operation		☐ Abnormal Operation
C. Valve Box Inspection	☑ Normal		☐ Leaks
D. Manhole Leachate Level	☑ Normal	☐ High	☐ Low
2. Pump Station #1			
A. External Wiring Checked	☑ Yes		☐ No
B. Alignment of Force Main Discharge	☑ Normal		☐ Abnormal
C. Check Local Control Indicators and Switches	☑ Yes		☐ No
D. Rate of Fall of Leachate In Manhole	☑ Normal		☐ Abnormal
E. Check Main Control Panel Pump Operation	☑ Yes		☐ No
F. Pump Motor	☐ High Temp	☐ Seal Fail	☐ Fault
3. Pumping Station #2 Manholes			
A. Alignment of Manhole and Valve Chamber Manhole	☑ Normal		☐ Misalign
B. Exercise all Valves at Pump Station #2	☑ Normal Operation		☐ Abnormal Operation
C. Valve Box Inspection	☑ Normal		☐ Leaks
D. Manhole Leachate Level	☑ Normal	☐ High	☐ Low
4. Pump Station #2			
A. External Wiring Checked	☑ Yes		☐ No
B. Alignment of Force Main Discharge	☑ Normal		☐ Abnormal
C. Check Local Control Indicators and Switches	☑ Yes		☐ No
D. Rate of Fall of Leachate In Manhole	☑ Normal		☐ Abnormal
E. Check Main Control Panel Pump Operation	☑ Yes		☐ No
F. Pump Motor	☐ High Temp	☐ Seal Fail	☐ Fault
5. Product Storage T-110			
A. Check Wiring	☑ Yes		☐ No
B. Check Tank Vent	☑ Yes		☐ No
C. Check Tank Level Transmitter Operation	☑ Yes		☐ No

PENNSYLVANIA AVENUE LANDFILL

GWL-2 Monthly O&M Inspection

Date: 10-22-10. **Inspected by:** E. McLEAN.

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Transfer Pumps P-201 and P-202			
A. Inspect External Connections			
Pump P-201	☑ Normal		☐ Abnormal
Pump P-202	☑ Normal		☐ Abnormal
B. Inspect Pump and Motor Assembly for Potential Problems	☑ Completed		☐ Incomplete
Pump P-201	☑ Normal		☐ Abnormal
Pump P-202	☑ Normal		☐ Abnormal
C. Check Indicating Lamps and Switches			
Pump P-201	☑ Normal		☐ Abnormal
Pump P-202	☑ Normal		☐ Abnormal
D. Check Pump Normal/Automatic Operation			
Pump P-201	☑ Normal		☐ Abnormal
Pump P-202	☑ Normal		☐ Abnormal
E. Check Pump Manual Operation			
Pump P-201	☑ Normal		☐ Abnormal
Pump P-202	☑ Normal		☐ Abnormal
7. Transfer Pumps P-301 and P-302			
A. Inspect External Connections			
Pump P-301	☑ Normal		☐ Abnormal
Pump P-302	☑ Normal		☐ Abnormal
B. Inspect Pump & Motor Assembly for Potential Problems	☑ Completed		☐ Incomplete
Pump P-301	☑ Normal		☐ Abnormal
Pump P-302	☑ Normal		☐ Abnormal
C. Check Indicating Lamps and Switches			
Pump P-301	☑ Normal		☐ Abnormal
Pump P-302	☑ Normal		☐ Abnormal
D. Check Pump Normal/Automatic Operation	☐ Normal		☑ Abnormal
Pump P-301	☐ Normal		☑ Abnormal
Pump P-302	☐ Normal		☑ Abnormal
E. Check Pump Manual Operation			
Pump P-301	☑ Normal		☐ Abnormal
Pump P-302	☑ Normal		☐ Abnormal
8. Acid Feed Pump P-203			
A. Inspect External Connections	☑ Normal		☐ Abnormal
B. Inspect Pump & Motor Assembly for Potential Problems	☑ Completed		☐ Incomplete
Pump P-203	☑ Normal		☐ Abnormal
C. Check Indicating Lamps and Switches	☑ Normal		☐ Abnormal
D. Check Pump Normal/Automatic Operation	☑ Normal		☐ Abnormal
E. Check Pump Manual Operation	☑ Normal		☐ Abnormal
F. Inspect Acid Feed Tank and Pit			

PENNSYLVANIA AVENUE LANDFILL

GWL-2 Monthly O&M Inspection

Date: 10-26-10. **Inspected by:** E. McLEAN.

INSPECTION AND MAINTENANCE TASKS	ACTION		
9. Pretreatment Building Sump Pump P-105			
A. Check Sump Pump Normal Operation	☑ Normal		☐ Abnormal
B. Clean Check Valve, Suction Flush Discharge	☑ Completed		☐ Incomplete
C. Check Pump Control Level Switches	☑ Normal		☐ Abnormal
D. Check Pump High Level Alarm	☑ Normal		☐ Abnormal
10. Sludge Pump P-205			
A. Inspect External Connections	☑ Normal		☐ Abnormal
B. Inspect Pump & Motor Assembly for Potential Problems	☑ Completed		☐ Incomplete
Pump P-203	☑ Normal		☐ Abnormal
C. Check Indicating Lamps and Switches	☑ Normal		☐ Abnormal
D. Check Pump Normal/Automatic Operation	☑ Normal		☐ Abnormal
E. Check Pump Manual Operation	☑ Normal		☐ Abnormal
11. Carbon Absorption System			
A. Coordinate Carbon Supplier	☐ Yes		☐ No
B. Record and Monitor Carbon Removal and Replaced	☐ Yes		☐ No
C. Monitor Carbon Supplier Procedures	☐ Yes		☐ No
D. Inspect Level Transmitter LT-301	☑ Yes O/S		☐ No
12. Motor Control Center			
A. Check Operation of all Circuit Breakers	☑ Yes		☐ No
B. Check Operation of all Electrical Controls	☑ Yes		☐ No
C. Check Operation of all Starters	☑ Yes		☐ No
D. Check and Replace Fuses, Lamps and Switches	☑ Yes		☐ No

FORM DP-1

O&M Inspection Form: GWL-2

Month: OCTOBER, 2010.

DESCRIPTION OF DEFICIENCIES AND PROBLEMS

PENNSYLVANIA AVENUE LANDFILL

Date	Location	Description	Corrective Action Taken
10-26-10.	DISCHARGE SUCTION TANK LEVEL SENSOR (LT-301).	NOT OPERATING PROPERLY, PUMPS P-301 AND P-302 CANNOT RUN ON AUTO.	ARRANGEMENTS BEING MADE FOR TECHNICAL ASSISTANCE.
10-26-10.	PUMP STATION #1.	OPERATION IS SUSPECT.	CLEANED AND ADJUSTED LEVEL SENSOR - NO CHANGE. CHECKED V.F.D AND MOTOR - WORKING OK. FURTHER TROUBLESHOOTING IS BEING ARRANGED.

Date: 10-26-10.

Inspected By: E. McLEAN.

Signature E. McLean

GWL-2

Date: 11-19-10.
Time: 1.30 p.
Inspected By: E. McLean.

MONTHLY O&M INSPECTION CHECKLIST
LECHEATE PRETREATMENT SYSTEM
FRESH CREEK BASIN REMEDIATION
PENNSYLVANIA AVENUE LANDFILL

INSPECTION AND MAINTENANCE TASKS	ACTION		
1. Pumping Station #1 Manholes			
A. Alignment of Manhole and Valve Chamber Manhole	☑ Normal		☐ Misalign
B. Exercise all Valves at Pump Station #1	☑ Normal Operation		☐ Abnormal Operation
C. Valve Box Inspection	☑ Normal		☐ Leaks
D. Manhole Leachate Level	☑ Normal	☐ High	☐ Low
2. Pump Station #1			
A. External Wiring Checked	☑ Yes		☐ No
B. Alignment of Force Main Discharge	☑ Normal		☐ Abnormal
C. Check Local Control Indicators and Switches	☑ Yes		☐ No
D. Rate of Fall of Leachate In Manhole	☑ Normal		☐ Abnormal
E. Check Main Control Panel Pump Operation	☑ Yes		☐ No
F. Pump Motor	☐ High Temp	☐ Seal Fail	☐ Fault
3. Pumping Station #2 Manholes			
A. Alignment of Manhole and Valve Chamber Manhole	☑ Normal		☐ Misalign
B. Exercise all Valves at Pump Station #2	☑ Normal Operation		☐ Abnormal Operation
C. Valve Box Inspection	☑ Normal		☐ Leaks
D. Manhole Leachate Level	☑ Normal	☐ High	☐ Low
4. Pump Station #2			
A. External Wiring Checked	☑ Yes		☐ No
B. Alignment of Force Main Discharge	☑ Normal		☐ Abnormal
C. Check Local Control Indicators and Switches	☑ Yes		☐ No
D. Rate of Fall of Leachate In Manhole	☑ Normal		☐ Abnormal
E. Check Main Control Panel Pump Operation	☑ Yes		☐ No
F. Pump Motor	☐ High Temp	☐ Seal Fail	☐ Fault
5. Product Storage T-110			
A. Check Wiring	☑ Yes		☐ No
B. Check Tank Vent	☑ Yes		☐ No
C. Check Tank Level Transmitter Operation	☑ Yes		☐ No

PENNSYLVANIA AVENUE LANDFILL

GWL-2 Monthly O&M Inspection

Date: 11-19-10. Inspected by: E. McLean.

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Transfer Pumps P-201 and P-202			
A. Inspect External Connections			
Pump P-201	☑ Normal		☐ Abnormal
Pump P-202	☑ Normal		☐ Abnormal
B. Inspect Pump and Motor Assembly for Potential Problems	☑ Completed		☐ Incomplete
Pump P-201	☑ Normal		☐ Abnormal
Pump P-202	☑ Normal		☐ Abnormal
C. Check Indicating Lamps and Switches			
Pump P-201	☑ Normal		☐ Abnormal
Pump P-202	☑ Normal		☐ Abnormal
D. Check Pump Normal/Automatic Operation			
Pump P-201	☑ Normal		☐ Abnormal
Pump P-202	☑ Normal		☐ Abnormal
E. Check Pump Manual Operation			
Pump P-201	☑ Normal		☐ Abnormal
Pump P-202	☑ Normal		☐ Abnormal
7. Transfer Pumps P-301 and P-302			
A. Inspect External Connections			
Pump P-301	☑ Normal		☐ Abnormal
Pump P-302	☑ Normal		☐ Abnormal
B. Inspect Pump & Motor Assembly for Potential Problems	☑ Completed		☐ Incomplete
Pump P-301	☑ Normal		☐ Abnormal
Pump P-302	☑ Normal		☐ Abnormal
C. Check Indicating Lamps and Switches			
Pump P-301	☑ Normal		☐ Abnormal
Pump P-302	☑ Normal		☐ Abnormal
D. Check Pump Normal/Automatic Operation	☐ Normal		☑ Abnormal
Pump P-301	☐ Normal		☑ Abnormal
Pump P-302	☐ Normal		☑ Abnormal
E. Check Pump Manual Operation			
Pump P-301	☑ Normal		☐ Abnormal
Pump P-302	☑ Normal		☐ Abnormal
8. Acid Feed Pump P-203			
A. Inspect External Connections	☑ Normal		☐ Abnormal
B. Inspect Pump & Motor Assembly for Potential Problems	☑ Completed		☐ Incomplete
Pump P-203	☑ Normal		☐ Abnormal
C. Check Indicating Lamps and Switches	☑ Normal		☐ Abnormal
D. Check Pump Normal/Automatic Operation	☑ Normal		☐ Abnormal
E. Check Pump Manual Operation	☑ Normal		☐ Abnormal
F. Inspect Acid Feed Tank and Pit			

PENNSYLVANIA AVENUE LANDFILL

GWL-2 Monthly O&M Inspection

Date: 11-Apr-10. Inspected by: E. McLEAN

INSPECTION AND MAINTENANCE TASKS	ACTION		
9. Pretreatment Building Sump Pump P-105			
A. Check Sump Pump Normal Operation	☑ Normal		☐ Abnormal
B. Clean Check Valve, Suction Flush Discharge	☑ Completed		☐ Incomplete
C. Check Pump Control Level Switches	☑ Normal		☐ Abnormal
D. Check Pump High Level Alarm	☑ Normal		☐ Abnormal
10. Sludge Pump P-205			
A. Inspect External Connections	☑ Normal		☐ Abnormal
B. Inspect Pump & Motor Assembly for Potential Problems	☑ Completed		☐ Incomplete
Pump P-203	☑ Normal		☐ Abnormal
C. Check Indicating Lamps and Switches	☑ Normal		☐ Abnormal
D. Check Pump Normal/Automatic Operation	☐ Normal		☐ Abnormal
E. Check Pump Manual Operation	☑ Normal		☐ Abnormal
11. Carbon Absorption System			
A. Coordinate Carbon Supplier	☑ Yes		☐ No
B. Record and Monitor Carbon Removal and Replaced	☑ Yes		☐ No
C. Monitor Carbon Supplier Procedures	☑ Yes		☐ No
D. Inspect Level Transmitter LT-301	☑ Yes O/S		☐ No
12. Motor Control Center			
A. Check Operation of all Circuit Breakers	☑ Yes		☐ No
B. Check Operation of all Electrical Controls	☑ Yes		☐ No
C. Check Operation of all Starters	☑ Yes		☐ No
D. Check and Replace Fuses, Lamps and Switches	☑ Yes		☐ No

DP-1
DESCRIPTION OF DEFICIENCIES AND PROBLEMS
Groundwater Leachate O&M Inspections
LEACHATE PRETREATMENT SYSTEM
November 2010

Date	Location	Description of problem	Corrective Action	Status	Date Closed
Apr-07	Pumping Stations No. 1 & No. 2	Scavenger Pumps P-102 and P-104 are not operational.	Action not necessary at the moment. No product has ever been detected at either pump station.	Monitor for presence of product.	
	Pumping Stations No. 1 & No. 2	Spare pump needs to be replaced.	Purchase pump	Obtaining quotes	
Apr-10	Discharge Suction Tank Level Sensor	Not operational after surge from 3/31/10 power outages.	Replace in kind with lower range or with same as OWS and Product Tank	Tried product tank sensor and it did not work. Obtained quotes and ordered lower range submersible sensor. Expect delivery by 12/10/10	
Aug-10	Twin backwash filters	Holes beyond repair.	Replace.	Installation in progress.	
10/8/10	Flow meter	Meter malfunction	Repair/replace	Performed maintenance on coils and it still would not work. Manufacturer is based in California and is not responding, after quoting $1000 for just checking the meter. Obtained three quotes for replacement and requested authorization from DEP for purchase.	
Oct-10	pH meter	Intermittently looses signal	Troubleshoot/repair/monitor	Checked by electrician and found no problems in the circuits. Calibrated on 11/30/10 and still have had no trouble. Will monitor	11/30/10
Sep-10	Pump Station #1	Not operating properly	Determined that problem was due to a bad media converter	Replaced converter	11/11/10

GWL-2

Date: 12-10-10.
Time: 1000.
Inspected By: E. McLEAN.

MONTHLY O&M INSPECTION CHECKLIST
LECHEATE PRETREATMENT SYSTEM
FRESH CREEK BASIN REMEDIATION
PENNSYLVANIA AVENUE LANDFILL

INSPECTION AND MAINTENANCE TASKS	ACTION		
1. Pumping Station #1 Manholes			
A. Alignment of Manhole and Valve Chamber Manhole	☑ Normal		☐ Misalign
B. Exercise all Valves at Pump Station #1	☑ Normal Operation		☐ Abnormal Operation
C. Valve Box Inspection	☑ Normal		☐ Leaks
D. Manhole Leachate Level	☑ Normal	☐ High	☐ Low
2. Pump Station #1			
A. External Wiring Checked	☑ Yes		☐ No
B. Alignment of Force Main Discharge	☑ Normal		☐ Abnormal
C. Check Local Control Indicators and Switches	☑ Yes		☐ No
D. Rate of Fall of Leachate In Manhole	☑ Normal		☐ Abnormal
E. Check Main Control Panel Pump Operation	☑ Yes		☐ No
F. Pump Motor	☐ High Temp	☐ Seal Fail	☐ Fault
3. Pumping Station #2 Manholes			
A. Alignment of Manhole and Valve Chamber Manhole	☑ Normal		☐ Misalign
B. Exercise all Valves at Pump Station #2	☑ Normal Operation		☐ Abnormal Operation
C. Valve Box Inspection	☑ Normal		☐ Leaks
D. Manhole Leachate Level	☑ Normal	☐ High	☐ Low
4. Pump Station #2			
A. External Wiring Checked	☑ Yes		☐ No
B. Alignment of Force Main Discharge	☑ Normal		☐ Abnormal
C. Check Local Control Indicators and Switches	☑ Yes		☐ No
D. Rate of Fall of Leachate In Manhole	☑ Normal		☐ Abnormal
E. Check Main Control Panel Pump Operation	☑ Yes		☐ No
F. Pump Motor	☐ High Temp	☐ Seal Fail	☐ Fault
5. Product Storage T-110			
A. Check Wiring	☑ Yes		☐ No
B. Check Tank Vent	☑ Yes		☐ No
C. Check Tank Level Transmitter Operation	☑ Yes		☐ No

PENNSYLVANIA AVENUE LANDFILL

GWL-2 Monthly O&M Inspection

Date: 12-10-10 **Inspected by:** E. McLean

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Transfer Pumps P-201 and P-202			
A. Inspect External Connections			
Pump P-201	☑ Normal		☐ Abnormal
Pump P-202	☑ Normal		☐ Abnormal
B. Inspect Pump and Motor Assembly for Potential Problems	☑ Completed		☐ Incomplete
Pump P-201	☑ Normal		☐ Abnormal
Pump P-202	☑ Normal		☐ Abnormal
C. Check Indicating Lamps and Switches			
Pump P-201	☑ Normal		☐ Abnormal
Pump P-202	☑ Normal		☐ Abnormal
D. Check Pump Normal/Automatic Operation			
Pump P-201	☑ Normal		☐ Abnormal
Pump P-202	☑ Normal		☐ Abnormal
E. Check Pump Manual Operation			
Pump P-201	☑ Normal		☐ Abnormal
Pump P-202	☑ Normal		☐ Abnormal
7. Transfer Pumps P-301 and P-302			
A. Inspect External Connections			
Pump P-301	☑ Normal		☐ Abnormal
Pump P-302	☑ Normal		☐ Abnormal
B. Inspect Pump & Motor Assembly for Potential Problems	☑ Completed		☐ Incomplete
Pump P-301	☑ Normal		☐ Abnormal
Pump P-302	☑ Normal		☐ Abnormal
C. Check Indicating Lamps and Switches			
Pump P-301	☑ Normal		☐ Abnormal
Pump P-302	☑ Normal		☐ Abnormal
D. Check Pump Normal/Automatic Operation	☑ Normal		☐ Abnormal
Pump P-301	☑ Normal		☐ Abnormal
Pump P-302	☑ Normal		☐ Abnormal
E. Check Pump Manual Operation			
Pump P-301	☑ Normal		☐ Abnormal
Pump P-302	☑ Normal		☐ Abnormal
8. Acid Feed Pump P-203			
A. Inspect External Connections	☑ Normal		☐ Abnormal
B. Inspect Pump & Motor Assembly for Potential Problems	☑ Completed		☐ Incomplete
Pump P-203	☑ Normal		☐ Abnormal
C. Check Indicating Lamps and Switches	☑ Normal		☐ Abnormal
D. Check Pump Normal/Automatic Operation	☑ Normal		☐ Abnormal
E. Check Pump Manual Operation	☑ Normal		☐ Abnormal
F. Inspect Acid Feed Tank and Pit	OK		

PENNSYLVANIA AVENUE LANDFILL

GWL-2 Monthly O&M Inspection

Date: 12-10-10. **Inspected by:** E. McLEAN.

INSPECTION AND MAINTENANCE TASKS	ACTION		
9. Pretreatment Building Sump Pump P-105			
A. Check Sump Pump Normal Operation	☑ Normal		☐ Abnormal
B. Clean Check Valve, Suction Flush Discharge	☑ Completed		☐ Incomplete
C. Check Pump Control Level Switches	☑ Normal		☐ Abnormal
D. Check Pump High Level Alarm	☑ Normal		☐ Abnormal
10. Sludge Pump P-205			
A. Inspect External Connections	☑ Normal		☐ Abnormal
B. Inspect Pump & Motor Assembly for Potential Problems	☑ Completed		☐ Incomplete
Pump P-203	☑ Normal		☐ Abnormal
C. Check Indicating Lamps and Switches	☑ Normal		☐ Abnormal
D. Check Pump Normal/Automatic Operation	☑ Normal		☐ Abnormal
E. Check Pump Manual Operation	☑ Normal		☐ Abnormal
11. Carbon Absorption System			
A. Coordinate Carbon Supplier	☐ Yes		☐ No
B. Record and Monitor Carbon Removal and Replaced	☐ Yes		☐ No
C. Monitor Carbon Supplier Procedures	☐ Yes		☐ No
D. Inspect Level Transmitter LT-301	☑ Yes *		☐ No
12. Motor Control Center			
A. Check Operation of all Circuit Breakers	☑ Yes		☐ No
B. Check Operation of all Electrical Controls	☑ Yes		☐ No
C. Check Operation of all Starters	☑ Yes		☐ No
D. Check and Replace Fuses, Lamps and Switches	☑ Yes		☐ No

* See Form DP-1.

DP-1
DESCRIPTION OF DEFICIENCIES AND PROBLEMS
Groundwater Leachate O&M Inspections
LEACHATE PRETREATMENT SYSTEM
December 2010

Date	Location	Description of problem	Corrective Action	Status	Date Closed
Apr-07	Pumping Stations No. 1 & No. 2	Scavenger Pumps P-102 and P-104 are not operational.	Action not necessary at the moment. No product has ever been detected at either pump station.	Monitor for presence of product.	
	Pumping Stations No. 1 & No. 2	Spare pump needs to be replaced.	Purchase pump	Obtained quotes and will order.	
Apr-10	Discharge Suction Tank Level Sensor	Not operational after surge from 3/31/10 power outages.	Replace	Installed replacement sensor. Will fine tune with PCS technician during next visit.	12/6/10
Aug-10	Twin backwash filters	Holes beyond repair.	Replace.	Installation almost complete. Received additional parts required.	
10/8/10	Flow meter	Meter malfunction	Repair/replace	Replacement has been ordered.	
Preparation and painting of pretreatment plant equipment and supports is in progress.					

Groundwater Leachate Pretreatment

GWL-3 Quarterly Inspection

GWL-3
Quarterly

Date: 12/16/10
Time: 10a
Inspected By: Ray Kenney

LECHEATE SYSTEM O&M INSPECTION CHECKLIST
PENNSYLVANIA AVENUE LANDFILL

INSPECTION AND MAINTENANCE TASKS	ACTION	
1. Pump Stations #1 and # 2		
A. Check and Reset Instrumentation Sensors		
Pump Station #1	☑ Yes	☐ No
Pump Station #2	☑ Yes	☐ No
2. Transfer Pumps P-201 and P-202		
A. Check Level Controls		
Pumps P-201 and P-202	☑ Completed	☐ Incomplete
B. Clean and Check Switches		
Pumps P-201 and P-202	☑ Completed	☐ Incomplete
3. Transfer Pumps P-301 and P-302		
A. Check Level Controls		
Pumps P-301 and P-302	☑ Completed	☐ Incomplete
B. Clean and Check Switches		
Pumps P-301 and P-302	☑ Completed	☐ Incomplete
4. Acid Feed Pump P-203		
A. Clean and Check Switches		
Pump P-203	☑ Completed	☐ Incomplete
5. OWS Pump P-204		
A. Clean and Check Switches		
	☑ Completed	☐ Incomplete
6. Sludge Pump P-205		
A. Clean and Check Switches		
Pump P-205	☑ Completed	☐ Incomplete

Groundwater Leachate Pretreatment

GWL-4 Semi-Annual Inspection

GWL-4

EVERY 6 MONTHS

Date: 12/17/10

Time: 1 30

Inspected By: Ray Kenney

LECHEATE SYSTEM O&M INSPECTION CHECKLIST
PENNSYLVANIA AVENUE LANDFILL

INSPECTION AND MAINTENANCE TASKS	ACTION	
1. Pump Stations #1 (P.S. #1) Manholes		
A. Exercise and Lubricate Valves – P. S. #1	☑ Yes	☐ No
B. Exercise Discharge and Check Valves – P. S. #1	☑ Yes	☐ No
C. Inspect Valves for Wear and Adjust - P. S. #1	☑ Yes	☐ No
D. Lubricate/Adjust Manhole and Control Cabinet Hardware	☑ Yes	☐ No
2. Pump Stations #2 (P.S. #2) Manholes		
A. Exercise and Lubricate Valves – P. S. #2	☑ Yes	☐ No
B. Exercise Discharge and Check Valves – P. S. #2	☑ Yes	☐ No
C. Inspect Valves for Wear and Adjust - P. S. #2	☑ Yes	☐ No
D. Lubricate/Adjust Manhole and Control Cabinet Hardware	☑ Yes	☐ No
3. Interceptor Trench		
A. Flow from Trench into Manhole at P.S. #1	_____ Time Required	
B. Flow from Trench into Manhole at P.S. #2	_____ Time Required	
4. Pumping Station #1		
A. Exercise and Lubricate Valves – P. S. #1	☑ Yes	☐ No
B. Inspect Pump Lifting Device and Cables – P.S. #1	☑ Yes	☐ No
C. Pull Pump Station Pump & Inspect Pump & Motor – P.S. #1	☑ Yes	☐ No
D. Measure Pump Station Pump Motor Resistance – P.S. #1	∞ Ohms	
E. Check Pump Oil Level and Condition – P.S. #1 Oil Level: ✓ Oil Condition: ✓		
F. Check Pump Seal Monitoring System Operation – P.S. #1	☑ Normal	☐ Abnormal
5. Pumping Station #2		
A. Exercise and Lubricate Valves – P. S. #2	☑ Yes	☐ No
B. Inspect Pump Lifting Device and Cables – P.S. #2	☑ Yes	☐ No
C. Pull Pump Station Pump & Inspect Pump & Motor – P.S. #2	☑ Yes	☐ No
D. Measure Pump Station Pump Motor Resistance – P.S. #2	∞ Ohms	
F. Check Pump Oil Level and Condition – P.S. #2 Oil Level: ✓ Oil Condition: ✓		
F. Check Pump Seal Monitoring System Operation – P.S. #2	☑ Normal	☐ Abnormal

LECHEATE SYSTEM O&M INSPECTION CHECKLIST
PENNSYLVANIA AVENUE LANDFILL

GWL - 4 **Date:** 12/17/10 **Inspected by:** BBy Kenwell

6. Pretreatment Building Sump Pump P-105		
A. Exercise Discharge Valves and Check Valve	☑ Normal	☐ Abnormal
7. Transfer Pump P-201		
A. Pull Pump and Inspect Pump P-201	☑ Completed	☐ Incomplete
8. Transfer Pump P-202		
A. Pull Pump and Inspect Pump P-202	☑ Completed	☐ Incomplete
9. Effluent Discharge Pump P-301		
A. Pull Pump and Inspect Pump P-301	☑ Completed	☐ Incomplete
10. Effluent Discharge Pump P-302		
A. Pull Pump and Inspect Pump P-302	☑ Completed	☐ Incomplete
11. Acid Feed Pump P-203		
A. Pull Pump and Inspect Pump P-203	☑ Completed	☐ Incomplete
12. Sludge Pump P-205		
A. Pull Pump and Inspect Pump P-205	☑ Completed	☐ Incomplete
13. Carbon Absorption System		
A. Test DPT-301 and T-301 Alarms and Shutdowns	☑ Yes	☐ No
B. Inspect Pressure Gauges	☑ Yes	☐ No
C. Exercise and Lubricate All Valves	☑ Yes	☐ No

Comments:

Appendix B – M-1 Self Monitoring Report and Analyses

Industrial Wastewater Discharge Permit No. 07-P3145-2

STRATIS
CONTRACTING CORP.
7 Corporate Drive
Peekskill, NY 10566
Tel: (914) 736-1808
Fax: (914) 788-6294

January 24, 2011

Frances Leung, P.E., Chief
IPP Inspection and Permit Section
Bureau of Wastewater Treatment
New York City Department of Environmental Protection
96-05 Horace Harding Expressway
Corona, New York 11368

Re: New York City Department of Environmental Protection
Fresh Creek Basin Remediation
Pennsylvania Avenue Landfill

Dear Ms. Leung,

Enclosed is the October through December, 2010 (Fourth Quarter) Self Monitoring Report for the NYCDEP Pennsylvania Avenue Landfill Leachate Treatment Plant. The report consists of the quarterly self monitoring report form, the October, November and December, 2010 monthly flow reports, the summary of the analytical data, and October November and December, 2010 chain of custody and laboratory reports from EcoTest Laboratories. Also included is the analytical report for the groundwater leachate pretreatment system influent sampling performed in November and December 2010.

There were no exceedances of any permit parameters during this fourth quarter of 2010.

If you have any questions, please feel free to contact me at (718) 642-2163 or (914) 980-7661.

Sincerely,

Mildred Olson Gonos
Project Manager

cc: R. Raha, NYCDEP BWT
T. Heneveld, LKB
P. Jeris, Stratis

INDUSTRIAL USER SELF MONITORING REPORT

1	♦ Establishment Information ♦					
A	Name:	**New York City Department of Environmental Protection, Fresh Creek Basin Remediation, Pennsylvania Avenue Landfill**				
B	Address:	**1750 Pennsylvania Avenue, Brooklyn, New York 11239**				
C	Industrial Category:	**Miscellaneous Landfill**				
D	Contact Official:	**Rupak Raha**				
F	Reporting Period			G	Date Sampled	
	Start	End			Start	End
	1-Oct-10	**31-Dec-10**			**19-Oct-10**	**14-Dec-10**

Note: If the only wastewater discharges by your establishment into the public sewer system are sanitary or non contact cooling water, do not address items in Tables 2, 3, 4, 5 and 6. In this case check [ ] here and proceed directly to Table 7.

2	♦ Flow Information ♦		
		Average	Peak
A	Plant Flow, gal/day	**24,350**	**36,840**
B	Regulated Flow, gal/day	**24,350**	**36,840**
C	Method of Flow Measurement	**Flow Meter / Electronic PCS**	

3	♦ Sample Collection Information ♦	
A	Sampling Location	**M1 - Leachate Treatment Plant Effluent**
B	Sampling Procedures	**4 grab samples taken at least one hour apart, and a**
	24 hour composite using an automatic sampler are collected once per month	
C	Preservatives Used	**See attached Chain of Custody Records**

4	This establishment's wastewater discharge DOES [ ] / DOES NOT [**X**] exceed nationwide categorical standard(s) or 15 RCNY 19-04 (a).

5	♦ Production Rate ♦
If Applicable, provide production rate: **N/A**	

6	♦ Ph Monitoring ♦								
(Four Samples Per Day - One Hour Apart - Once a Month)									
Date:	**19-Oct-10**			**22 & 23-Nov-10**			**13-Dec-10**		
	Time	pH In-situ	pH Lab	Time	pH In-situ	pH Lab	Time	pH In-situ	pH Lab
	9:15	**6.42**	**6.5**	**11/22 @ 11:05**	**6.47**	**6.5**	**11:25**	**6.34**	**6.4**
	11:00	**6.49**	**6.5**	**11/22 @ 12:30**	**6.45**	**6.5**	**12:35**	**6.67**	**6.7**
	13:00	**6.44**	**6.5**	**11/22 @ 13:45**	**6.38**	**6.6**	**13:45**	**6.71**	**6.7**
	14:30	**6.48**	**6.5**	**11/23 @ 10:00**	**6.48**	**6.6**	**14:45**	**6.54**	**6.6**

7	♦ HAZARDOUS WASTES GENERATION ♦	
This establishment DID [ ] / DID NOT [**X**] generate any hazardous wastes, during this reporting period. If hazardous wastes were generated,		
A	Type of Waste	
B	Amount Generated (in kilograms)	
C	Method of Disposal	

8	♦ CERTIFICATION ♦
A.	NON-CONTAMINATED WASTEWATER DISCHARGE CERTIFICATION: I hereby certify, that during this reporting period, this facility has not discharged any industrial wastewater, chemicals, cleaners or like substances generated from or in relation to any of this establishment's operations other than sanitary or non-contact cooling water. I understand that I must obtain prior written approval from the IPP Inspection and Permit Section before I can discharge any such wastewater. I am aware that there are significant civil and criminal sanctions for submitting false information.

Mildred Olson Gonos — Mildred O Gonos

Name (Print) — Signature

Project Manager — 1/24/2011 — (718) 642-2163

Title — Date — Phone Number

8 ♦ CERTIFICATION (CONTINUED) ♦

B. TOXIC ORGANICS CERTIFICATION:

I. "Based upon my inquiry of the person or persons directly responsible for managing environmental affairs at my facility, I certify that, to the best of my knowledge and belief, no Toxic Organics are used or stored at my facility. I certify that I am duly authorized by the establishment to make this statement on its behalf, and am fully aware that there are significant civil and criminal sanctions for submitting false information, including the possibility of a fine and/or imprisonment."

Mildred Olson Gonos	Mildred O Gonos	
Name (Print)		Signature
Project Manager	1/24/2011	(718) 642-2163
Title	Date	Phone Number

OR

II. "Based upon my inquiry of the person or persons directly responsible for managing environmental affairs at my facility, I certify that, to the best of my knowledge and belief, there was no discharge to a public sewer of toxic organics during the past six months. I also certify that explanations provided concerning the disposal of toxic organics from the facility are true , accurate and complete. I further certify that this facility is implementing a toxic organics management plan to protect against the release of such compounds to a public sewer. I certify that I am duly authorized by the establishment to make this statement on its behalf, and am fully aware that there are significant civil and criminal sanctions for submitting false information, including the possibility of a fine and/or imprisonment."

Name (Print)		Signature
Title	Date	Phone Number

C AUTHORIZED FIRM REPRESENTATIVE CERTIFICATION:

I hereby certify, under penalty of law, that I have personally examined and am familiar with the information contained in this report and all attachments therein. Furthermore, based on my inquiry of those persons immediately responsible for obtaining the information contained in this report, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. I further certify that the reported sampling results are representative of the facility's normal work cycles and expected pollutant discharges.

Mildred Olson Gonos	Mildred O Gonos	
Name (Print)		Signature
Project Manager	1/24/2011	(718) 642-2163
Title	Date	Phone Number

Please sign the following certification if required by the Permit/Directive:

D. CYANIDE CERTIFICATION:

a. "Based upon my inquiry of the person or persons directly responsible for managing environmental affairs at my facility, I certify that, to the best of my knowledge and belief, cyanide is not used or stored at my facility or generated in any of our manufacturing processes and there was no discharge of cyanide to the public sewer. I certify that I am duly authorized by the establishment to make this statement on its behalf, and I am fully aware that there are significant civil and criminal sanctions for submitting false information, including the possibility of a fine and/or imprisonment."

Mildred Olson Gonos	Mildred O Gonos	
Name (Print)	Signature	
Project Manager	1/24/2011	(718) 642-2163
Title	Date	Phone Number

OR

b. "Based upon my inquiry of the person or persons directly responsible for managing environmental affairs at my facility, I certify that, to the best of my knowledge and belief, there was no discharge to the public sewer of cyanide-bearing waste during the last six months. I also certify that the explanations provided concerning the disposal of cyanide-bearing waste from the facility are true, accurate and complete. I certify that I am duly authorized by the establishment to make this statement on its behalf, and I am fully aware that there are significant civil and criminal sanctions for submitting false information, including the possibility of a fine and/or imprisonment."

Name (Print)		Signature
Title	Date	Phone Number

If certification b. (above) is signed and submitted, explanations concerning the disposal of cyanide-bearing waste from the facility shall be provided.

9	♦ DESCRIPTION OF OPERATION ♦
The landfill leachate pretreatment system consists of oil water separation enhanced by addition of citric acid for pH adjustment, carbon absorption, and micro filtration. As demonstrated in the treatability study, these processes yield an effluent which meets the Bureau requirements for discharge to the 26th Ward WWTP.	

10	♦ ATTACHMENTS ♦	Yes	No	N/A
A	All laboratory analyses must be conducted by a New York State Health Department certified wastewater laboratory. The results must be certified by the laboratory and submitted on the laboratory's letterhead. For each sample, the laboratory report must indicate the date of sampling, time sample was taken, sample location, sampling preservation procedures, analytical techniques used, date of analysis, units of measurement, and the laboratories sample identification; where the analytical result reported is below the method detection level, the laboratory report must also indicate the method detection level.	**X**		
B	Chain of custody for all samples.	**X**		
C	Explanation of non-compliance and what will be done to rectify it. A compliance schedule is to be included.			**X**
D	Amount of spent solvents generated and method of disposal. Explanation of zero discharges to be included.			**X**
E	Description of any major modifications or malfunctions in manufacturing or pretreatment operations.			**X**
F	Hazardous wastes manifests.			**X**

Groundwater Leachate Pretreatment

Flow Reports

(October, November and December, 2010)

PENNSYLVANIA AVENUE LANDFILL
LEACHATE PRETREATMENT PLANT EFFLUENT
TO 26TH WARD W.W.T.P

MONTH:	OCTOBER 2010				
	Time of Reading	10 Gallon Counter Readings	Flow (gallons)		Hrs. i/s
1	7:34	8,079,557	24,581	(1)	24
2			19,869	(1)(2)	19.4
3			0	(1)(2)	0
4	7:00	8,084,002	34,900	(2)(3)	21.7
5	7:29	8,087,492	34,840		24
6	7:17	8,090,976	32,900		24
7	7:07	8,094,266	33,430		24
8	7:09	8,097,609	28,609	(1) (3)	22.7
9			30,247	(1)	24
10			20,165	(1) (2)	16.0
11	7:00	8,105,511	33,520	(2)	23.0
12	7:12	8,108,863	30,790		24
13	7:36	8,111,942	29,080	(2)	23.8
14	7:21	8,114,850	29,790		24
15	7:17	8,117,829	31,341	(1)	24
16			31,341	(1)	24
17			26,118	(1)	20.0
18	7:18	8,126,709	28,910	(3)	22.8
19	7:18	8,129,600	26,660		24
20	7:16	8,132,266	27,330		24
21	7:20	8,134,999	27,040		24
22	7:23	8,137,703	21,280	(1) (5)	19.0
23			22,400	(1) (4)	20.0
24			0	(1) (4)	0
25	7:00	8,142,071	32,360	(4) (3)	22.0
26	7:17	8,145,307	31,080		24
27	7:25	8,148,415	25,870		24
28	7:04	8,151,002	25,660		24
29	7:20	8,153,568	24,467	(1)	24
30			24,467	(1)	24
31			24,467	(1)	24
1-Nov	7:19	8,160,908			

No. of Days in Operation
29

Total Flow (gallons)
813,510

Average Daily Flow (gallons)
28,052

Maximum Daily Flow (gallons)
34,900

(1) Estimated flow for weekends and holidays (readings not taken)
(2) Plant tripped due to high differential pressure during off hours or in the course of filter replacement.
(3) Backwashing of the carbon absorbers.
(4) Plant tripped without setting off the autodialer or any alarms. Malfunction not recorded on PLC.
(5) Maintenance of the Oil Water Separator and coalescers.

PENNSYLVANIA AVENUE LANDFILL
LEACHATE PRETREATMENT PLANT EFFLUENT
TO 26TH WARD W.W.T.P

MONTH:	NOVEMBER 2010				
	Time of Reading	10 Gallon Counter Readings	Flow (gallons)		Hrs. i/s
1	7:19	8,160,908	**25,250**	(3)	22.7
2	7:23	8,163,433	**24,100**		24
3	7:30	8,165,843	**24,760**		24
4 (2)	7:34	8,168,319	**23,020**	(2)	23.3
5	7:33	7,214,314	**25,387**	(1)	24
6			**17,983**	(1) (5)	17.0
7			**0**	(1) (5)	0
8	6:40	7,218,651	**34,710**	(3) (6)	21.5
9	7:04	7,222,122	**25,050**		24
10	7:48	7,224,627	**22,360**		24
11	7:26	7,226,863	**25,330**		24
12	7:16	7,229,396	**23,600**	(1)	24
13			**23,600**	(1)	24
14			**23,600**	(1)	24
15	7:05	7,236,476	**24,410**	(3)	22.2
16	7:13	7,238,917	**23,050**		24
17	7:30	7,241,222	**36,840**	(4) (6)	17.7
18	6:56	7,244,906	**22,500**		24
19	7:17	7,247,156	**22,220**	(1)	24
20			**22,220**	(1)	24
21			**22,220**	(1)	24
22	7:56	7,253,822	**26,320**		24
23	7:52	7,256,454	**22,300**		24
24	8:22	7,258,684	**25,045**	(1)	24
25			**25,045**	(1)	24
26	13:03	7,263,693	**19,833**	(1)	24
27			**19,833**	(1)	24
28			**19,833**	(1)	24
29	7:00	7,269,643	**21,680**		24
30	8:20	7,271,811	**19,170**		24
1-Dec	7:42	7,273,728			

No. of Days in Operation
29

Total Flow (gallons)
691,270

Average Daily Flow (gallons)
23,837

Maximum Daily Flow (gallons)
36,840

(1) Estimated flow for weekends and holidays (readings not taken)

(2) The effluent flow meter malfunctioned. It was removed and cleaning of the coils and maintenance was performed. On the 8th, the PCS tech troubleshot the meter and found the coil and set-up operational, problem in board. Need to send it back to the manufacturer or replace. Looking into both. In the interim, the influent flow meter (FT-100) and city water meter readings are being used to calculate the effluent flow.

(3) Backwashing of the carbon absorbers.

(4) Maintenance of the Oil Water Separator and coalescers.

(5) System shutdown due to high transfer filter differential pressure.

(6) Plant of line for PCS technician work on discharge flow meter, discharge suction tank level sensor and Pump Station No. 1.

PENNSYLVANIA AVENUE LANDFILL
LEACHATE PRETREATMENT PLANT EFFLUENT
TO 26TH WARD W.W.T.P

MONTH:	DECEMBER 2010				
	Time of Reading	10 Gallon Counter Readings	Flow (gallons)	Hours On-Line	
1	7:42	7,272,680	**19,540**	24	
2	7:06	7,274,634	**21,780**	24	
3	7:17	7,276,812	**23,060**	24	(1)
4			**23,060**	24	(1)
5			**23,060**	24	(1)
6	7:10	7,283,730	**19,640**	23.3	(3)
7	7:10	7,285,694	**27,660**	24	
8	6:55	7,288,460	**19,600**	23	(2)
9	7:26	7,290,420	**19,030**	24	
10	7:23	7,292,323	**19,090**	24	(1)
11			**19,090**	24	(1)
12			**0**	0	(1) (2)
13	7:00	7,296,141	**33,500**	24	
14	7:12	7,299,491	**24,610**	24	
15	7:46	7,301,952	**22,170**	21	(4)
16	7:52	7,304,169	**22,830**	24	
17	7:46	7,306,452	**24,411**	23.8	(1) (2)
18			**24,616**	24	(1)
19			**4,103**	4	(1) (2)
20	7:00	7,311,765	**22,380**	21.5	(2) (3)
21	7:04	7,314,003	**23,820**	24	
22	7:24	7,316,385	**23,030**	24	
23	7:19	7,318,688	**24,884**	24	(1)
24	HOLIDAY		**24,884**	24	(1)
25			**24,884**	24	(1)
26			**1,037**	1	(1) (2)
27			**19,700**	19	(1) (2)
28	7:15	7,328,227	**22,450**	24	
29	7:32	7,330,472	**22,770**	24	
30	8:12	7,332,749	**18,661**	24	(1)
31			**18,661**	24	(1)
3-Jan		7,339,708			

No. of Days in Operation
30

Total Flow (gallons)
638,012

Average Daily Flow (gallons)
21,267

Maximum Daily Flow (gallons)
33,500

(1) Estimated flow for weekends and holidays (readings not taken)
(2) System down due to high differential pressure at the transfer filters
(3) Plant out of service during carbon system backwashing operation
(4) The plant tripped due to high differential pressure at the transfer filters and remained out for desludging and washing of the oil water separator and coalescers.

Groundwater Leachate Pretreatment
Laboratory Analysis Summary

Oct-Dec 2010 - Penn Av Landfill GWL - Lab Summary

Analyte	Unit	Permit			10/19/10		11/22&23/10		12/13/10		11/22&23/10		*12/13/10*	
		Max. Conc.	Daily Limit	Monthly Limit		M-1 Results		M-1 Results		M-1 Results		*IPP Plant INFLUENT*		*IPP Plant INFLUENT*
Cadmium as Cd	mg/L	2.0	0.69		<	0.005	<	0.005	<	0.005	<	*0.005*	<	*0.025*
Chromium as Cr	mg/L					0.005		0.005	<	0.005		*0.006*	<	*0.025*
Chromium hex as Cr	mg/L	5.0			<	0.02	<	0.02	<	0.02	<	*0.02*	<	*0.02*
Copper as Cu	mg/L	5.0			<	0.01	<	0.01	<	0.01		*0.06*	<	*0.05*
Lead as Pb	mg/L	2.0			<	0.005	<	0.005	<	0.005	<	*0.005*	<	*0.025*
Mercury as Hg	mg/L	0.05			<	0.00025	<	0.00025	<	0.00025	<	*0.00025*	<	*0.00025*
Molybdenum as Mo	mg/L				<	0.005	<	0.005	<	0.005	<	*0.005*	<	*0.025*
Nickel as Ni	mg/L	3.0			<	0.01	<	0.01	<	0.01	<	*0.01*	<	*0.05*
Silver as Ag	mg/L				<	0.005	<	0.005	<	0.005	<	*0.005*	<	*0.025*
Zinc as Zn	mg/L	5.0				0.02		0.03		0.02	<	*0.001*		*0.76*
Carbonaceous BOD5	mg/L					170		120		36	<	*50*	<	*10*
Chloride as Cl	mg/L					4100		4800		1700		*4900*		*3300*
CN amen.to chlorin.	mg/L	0.2			<	0.04	<	0.02	<	0.02	<	*0.02*	<	*0.02*
Cyanide as CN	mg/L				<	0.04	<	0.02	<	0.02	<	*0.02*	<	*0.02*
Nitrate as N	mg/L				<	0.5	<	0.5	<	0.5	<	0.5		0.5
Nitrogen, total as N	mg/L					56		65		48		68		55
Non-polar Material (grab 1)	mg/L	50.0			<	5	<	5	<	5	<	5	<	5
Non-polar Material (grab 2)	mg/L	↓			<	5	<	5	<	5	<	*5*	<	*5*
Non-polar Material (grab 3)	mg/L	↓			<	5	<	5	<	5	<	*5*	<	*5*
Non-polar Material (grab 4)	mg/L	↓			<	5	<	5	<	5	<	*5*	<	*5*
Tot Suspended Solids (grab 1)	mg/L	350				8		26	<	25		*52*	<	*10*
Tot Suspended Solids (grab 2)	mg/L	↓				6		20	<	25		*50*		*12*
Tot Suspended Solids (grab 3)	mg/L	↓				7		26	<	25		*55*		*15*
Tot Suspended Solids (grab 4)	mg/L	↓				5		20	<	25		*41*		*14*
Tot. Kjeldahl N.	mg/L					56		65		48		68		54
pH														
Grab 1 (Field/Lab)	SU					6.42 / 6.5		6.47 / 6.5		6.34 / 6.4		*6.85 / 6.9*		*6.92 / 6.9*
Grab 2 (Field/Lab)	SU	5.0 - 11.0				6.49 / 6.5		6.45 / 6.5		6.67 / 6.7		*6.76 / 6.8*		*6.92 / 6.9*
Grab 3 (Field/Lab)	SU	Standard Units				6.44 / 6.5		6.38 / 6.6		6.71 / 6.7		*6.73 / 6.9*		*6.84 / 6.9*
Grab 4 (Field/Lab)	SU					6.48 / 6.5		6.48 / 6.6		6.54 / 6.6		*6.86 / 6.9*		*6.82 / 6.9*

Oct-Dec 2010 - Penn Av Landfill GWL - Lab Summary

Analyte	Unit	Permit			10/19/10		11/22&23/10		12/13/10		11/22&23/10		*12/13/10*	
		Max. Conc.	Daily Limit	Monthly Limit		M-1 Results		M-1 Results		M-1 Results	*IPP Plant INFLUENT*		*IPP Plant INFLUENT*	
VOCs														
1,1 Dichloroethane	ug/L				<	5	<	5	<	5	<	*5*	<	*1*
1,1 Dichloroethene	ug/L				<	5	<	5	<	5	<	*5*	<	*1*
1,2 Dichloroethane	ug/L				<	5	<	5	<	5	<	*5*	<	*1*
1,2 Dichloroethene	ug/L				<	10	<	10	<	10	<	*10*	<	*2*
1,2 Dichloropropane	ug/L				<	5	<	5	<	5	<	*5*	<	*1*
111 Trichloroethane	ug/L				<	5	<	5	<	5	<	*5*	<	*1*
112 Trichloroethane	ug/L				<	5	<	5	<	5	<	*5*	<	*1*
1122Tetrachloroethane	ug/L				<	5	<	5	<	5	<	*5*	<	*1*
2-Butanone	ug/L				<	50	<	50	<	50	<	*50*	<	*10*
2-Hexanone	ug/L				<	50	<	50	<	50	<	*50*	<	*10*
4-Methyl-2-Pentanone	ug/L				<	50	<	50	<	50	<	*50*	<	*10*
Acetone	ug/L				<	50	<	50	<	50	<	*50*	<	*10*
Benzene	ug/L		134	57	<	5	<	5	<	5	<	*5*	<	*1*
Bromodichloromethane	ug/L				<	5	<	5	<	5	<	*5*	<	*1*
Bromoform	ug/L				<	5	<	5	<	5	<	*5*	<	*1*
Bromomethane	ug/L				<	5	<	5	<	5	<	*5*	<	*1*
c-1,3Dichloropropene	ug/L				<	5	<	5	<	5	<	*5*	<	*1*
Carbon disulfide	ug/L				<	5		7	<	5	<	*5*	<	*1*
Carbon Tetrachloride	ug/L				<	5	<	5	<	5	<	*5*	<	*1*
Chlorobenzene	ug/L				<	5	<	5		6		*29*		*21*
Chlorodibromomethane	ug/L				<	5	<	5	<	5	<	*5*	<	*1*
Chloroethane	ug/L				<	5	<	5	<	5	<	*5*	<	*1*
Chloroform	ug/L				<	5	<	5	<	5	<	*5*	<	*1*
Chloromethane	ug/L				<	5	<	5	<	5	<	*5*	<	*1*
Ethyl Benzene	ug/L		380	142	<	5	<	5	<	5	<	*5*	<	*1*
m + p Xylene	ug/L				<	5	<	10	<	10	<	*10*	<	*2*
Methylene Chloride	ug/L				<	5	<	5	<	5	<	*5*	<	*1*
o Xylene	ug/L				<	5	<	5	<	5	<	*5*	<	*1*
Styrene	ug/L				<	5	<	5	<	5	<	*5*	<	*1*
t-1,3Dichloropropene	ug/L				<	5	<	5	<	5	<	*5*	<	*1*
Tetrachloroethene	ug/L	20			<	5	<	5	<	5	<	*5*	<	*1*
ter.ButylMethylEther	ug/L	50			<	5	<	5	<	5	<	*5*	<	*1*
Toluene	ug/L		74	28	<	5	<	5	<	5	<	*5*	<	*1*
Trichloroethene	ug/L				<	5	<	5	<	5	<	*5*	<	*1*
Vinyl Chloride	ug/L				<	5	<	5	<	5	<	*5*	<	*1*
Xylene	ug/L		74	28	<	15	<	15	<	15	<	*15*	<	*3*

Oct-Dec 2010 - Penn Av Landfill GWL - Lab Summary

Analyte	Unit	Permit			10/19/10		11/22&23/10		12/13/10		11/22&23/10		*12/13/10*	
		Max. Conc.	Daily Limit	Monthly Limit		M-1 Results		M-1 Results		M-1 Results	*IPP Plant INFLUENT*		*IPP Plant INFLUENT*	
SVOs														
1,2 Dichlorobenzene(sv)	ug/L				<	1	<	1	<	1	<	*1*	<	*1*
1,3 Dichlorobenzene(sv)	ug/L				<	1	<	1	<	1	<	*1*	<	*1*
1,4 Dichlorobenzene(sv)	ug/L				<	1	<	1	<	1	<	*1*	<	*1*
124-Trichlorobenzene (sv)	ug/L				<	1	<	1	<	1	<	*1*	<	*1*
2,4-Dinitrotoluene	ug/L				<	1	<	1	<	1	<	*1*	<	*1*
2,6-Dinitrotoluene	ug/L				<	1	<	1	<	1	<	*1*	<	*1*
2-Chloronaphthalene	ug/L				<	1	<	1	<	1	<	*1*	<	*1*
2-Methylnaphthalene	ug/L				<	1	<	1	<	1	<	*1*	<	*1*
2-Nitroaniline	ug/L				<	1	<	1	<	1	<	*1*	<	*1*
3,3'-Dichlorobenzidine	ug/L				<	10	<	10	<	10	<	*10*	<	*10*
3-Nitroaniline	ug/L				<	1	<	1	<	1	<	*1*	<	*1*
4-Bromophenyl phenyl ether	ug/L				<	1	<	1	<	1	<	*1*	<	*1*
4-Chloroaniline	ug/L				<	1	<	1	<	1	<	*1*	<	*1*
4-Chlorophenyl phenyl ether	ug/L				<	1	<	1	<	1	<	*1*	<	*1*
4-Nitroaniline	ug/L				<	1	<	1	<	1	<	*1*	<	*1*
Acenaphthene	ug/L				<	1	<	1	<	1	<	*1*	<	*1*
Acenaphthylene	ug/L				<	1	<	1	<	1	<	*1*	<	*1*
Anthracene	ug/L				<	1	<	1	<	1	<	*1*	<	*1*
Benzo(a)anthracene	ug/L				<	1	<	1	<	1	<	*1*	<	*1*
Benzo(a)pyrene	ug/L				<	1	<	1	<	1	<	*1*	<	*1*
Benzo(b)fluoranthene	ug/L				<	1	<	1	<	1	<	*1*	<	*1*
Benzo(ghi)perylene	ug/L				<	1	<	1	<	1	<	*1*	<	*1*
Benzo(k)fluoranthene	ug/L				<	1	<	1	<	1	<	*1*	<	*1*
BenzylButylPhthalate	ug/L				<	1	<	1	<	1	<	*1*	<	*1*
Bis(2-chloroethoxy)methane	ug/L				<	1	<	1	<	1	<	*1*	<	*1*
Bis(2-chloroethyl)ether	ug/L				<	1	<	1	<	1	<	*1*	<	*1*
Bis(2-chloroisopropyl)ether	ug/L				<	1	<	1	<	1	<	*1*	<	*1*
Bis(2-ethylhexyl)phthalate	ug/L					3.3	<	1	<	1	<	*1*	<	*1*
Carbazole	ug/L				<	1	<	1	<	1	<	*1*	<	*1*
Chrysene	ug/L				<	1	<	1	<	1	<	*1*	<	*1*
Di-n-Butyl Phthalate	ug/L				<	1	<	1	<	1		*1.1*	<	*1*
Di-n-octyl Phthalate	ug/L				<	1	<	1	<	1	<	*1*	<	*1*
Dibenzo(a,h)anthracene	ug/L				<	1	<	1	<	1	<	*1*	<	*1*
Dibenzofuran	ug/L				<	1	<	1	<	1	<	*1*	<	*1*
Diethyl Phthalate	ug/L				<	1	<	1	<	1	<	*1*	<	*1*
Dimethyl Phthalate	ug/L				<	1	<	1	<	1	<	*1*	<	*1*

Oct-Dec 2010 - Penn Av Landfill GWL - Lab Summary

Analyte	Unit	Permit			10/19/10		11/22&23/10		12/13/10		11/22&23/10		*12/13/10*	
		Max. Conc.	Daily Limit	Monthly Limit		M-1 Results		M-1 Results		M-1 Results	*IPP Plant INFLUENT*		*IPP Plant INFLUENT*	
SVOs (cont...)														
Fluoranthene	ug/L				<	1	<	1	<	1	<	*1*	<	*1*
Fluorene	ug/L				<	1	<	1	<	1	<	*1*	<	*1*
Hexachlorobenzene	ug/L				<	1	<	1	<	1	<	*1*	<	*1*
Hexachlorobutadiene	ug/L				<	1	<	1	<	1	<	*1*	<	*1*
Hexachlorocyclopentadiene	ug/L				<	10	<	10	<	10	<	*10*	<	*10*
Hexachloroethane	ug/L				<	1	<	1	<	1	<	*1*	<	*1*
Indeno(1,2,3-cd)pyrene	ug/L				<	1	<	1	<	1	<	*1*	<	*1*
Isophorone	ug/L				<	1	<	1	<	1	<	*1*	<	*1*
N-Nitrosodi-n-propylamine	ug/L				<	1	<	1	<	1	<	*1*	<	*1*
N-Nitrosodiphenylamine	ug/L				<	1	<	1	<	1		*7.2*	<	*1*
Naphthalene(sv)	ug/L		47	19	<	1	<	1	<	1	<	*1*	<	*1*
Nitrobenzene	ug/L				<	1	<	1	<	1	<	*1*	<	*1*
Phenanthrene	ug/L				<	1	<	1	<	1	<	*1*	<	*1*
Pyrene	ug/L				<	1	<	1	<	1	<	*1*	<	*1*
2,4,5-Trichlorophenol	ug/L				<	1	<	1	<	1	<	*1*	<	*1*
2,4,6-Trichlorophenol	ug/L				<	1	<	1	<	1	<	*1*	<	*1*
2,4-Dichlorophenol	ug/L				<	1	<	1	<	1	<	*1*	<	*1*
2,4-Dimethylphenol	ug/L				<	1	<	1	<	1	<	*1*	<	*1*
2,4-Dinitrophenol	ug/L				<	10	<	10	<	10	<	*10*	<	*10*
2-Chlorophenol	ug/L				<	1	<	1	<	1	<	*1*	<	*1*
2-Methyl-4,6-dinitrophenol	ug/L				<	10	<	10	<	10	<	*10*	<	*10*
2-Methylphenol (o-cresol)	ug/L				<	1	<	1	<	1	<	*1*	<	*1*
2-Nitrophenol	ug/L				<	1	<	1	<	1	<	*1*	<	*1*
4-Chloro-3-methylphenol	ug/L				<	1	<	1	<	1	<	*1*	<	*1*
4-Methylphenol (p-cresol)	ug/L				<	1	<	1	<	1	<	*1*	<	*1*
4-Nitrophenol	ug/L				<	10	<	10	<	10	<	*10*	<	*10*
Pentachlorophenol (ms)	ug/L				<	10	<	10	<	10	<	*10*	<	*10*
Phenol	ug/L				<	1	<	1	<	1	<	*1*	<	*1*
PCBs		1	(Total PCBs)											
Aroclor 1016	ug/L				<	0.065	<	0.065	<	0.065	<	*0.065*	<	*0.065*
Aroclor 1221	ug/L				<	0.065	<	0.065	<	0.065	<	*0.065*	<	*0.065*
Aroclor 1232	ug/L				<	0.065	<	0.065	<	0.065	<	*0.065*	<	*0.065*
Aroclor 1242	ug/L				<	0.065	<	0.065	<	0.065	<	*0.065*	<	*0.065*
Aroclor 1248	ug/L				<	0.065	<	0.065	<	0.065	<	*0.065*	<	*0.065*
Aroclor 1254	ug/L				<	0.065	<	0.065	<	0.065	<	*0.065*	<	*0.065*
Aroclor 1260	ug/L				<	0.065	<	0.065	<	0.065	<	*0.065*	<	*0.065*

PENNSYLVANIA AVENUE LANDFILL

Leachate Treatment Flow Summary

Max Permit Flow (GPD): 43,000

	Oct-10	Nov-10	Dec-10
Average Flow (GPD)	28,052	23,837	21,267
Maximum Flow (GPD)	34,900	36,840	33,500

Fourth Quarter 2010 Summary

Average Flow (GPD)	24,350
Maximum Flow (GPD)	36,840
Average GPM:	17.8

Leachate Treatment Building Methane (% by Volume)

	19-Oct	22-Nov	23-Nov	13-Dec
Inside Building	0.0	0.0	0.0 - 0.1	0.0
On top of the Oil Water Separator	0.0	0.1	0.3	0.0

Groundwater Leachate Pretreatment

M1 Effluent Analysis Laboratory Reports and Chain of Custody Records

(October, November and December, 2010)

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.104891.01 10/28/10

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:10/20/10 RECEIVED:10/20/10
TIME COL'D:*
MATRIX:Water SAMPLE: M1-24 Hour Composite

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/L	< 1		102610	1	EPA625
1,3 Dichlorobenzene(sv)	ug/L	< 1		102610	1	EPA625
1,4 Dichlorobenzene(sv)	ug/L	< 1		102610	1	EPA625
Carbazole	ug/L	< 1		102610	1	EPA625
1,2 Dichlorobenzene(sv)	ug/L	< 1		102610	1	EPA625
Bis(2-chloroisopropyl)ether	ug/L	< 1		102610	1	EPA625
N-Nitrosodi-n-propylamine	ug/L	< 1		102610	1	EPA625
Hexachloroethane	ug/L	< 1		102610	1	EPA625
Nitrobenzene	ug/L	< 1		102610	1	EPA625
Isophorone	ug/L	< 1		102610	1	EPA625
Bis(2-chloroethoxy)methane	ug/L	< 1		102610	1	EPA625
124-Trichlorobenzene (sv)	ug/L	< 1		102610	1	EPA625
Naphthalene(sv)	ug/L	< 1		102610	1	EPA625
4-Chloroaniline	ug/L	< 1		102610	1	EPA625
Hexachlorobutadiene	ug/L	< 1		102610	1	EPA625
2-Methylnaphthalene	ug/L	< 1		102610	1	EPA625
Hexachlorocyclopentadiene	ug/L	< 10		102610	10	EPA625
2-Chloronaphthalene	ug/L	< 1		102610	1	EPA625
2-Nitroaniline	ug/L	< 1		102610	1	EPA625
Dimethyl Phthalate	ug/L	< 1		102610	1	EPA625
Acenaphthylene	ug/L	< 1		102610	1	EPA625
2,6-Dinitrotoluene	ug/L	< 1		102610	1	EPA625
3-Nitroaniline	ug/L	< 1		102610	1	EPA625
Acenaphthene	ug/L	< 1		102610	1	EPA625
Dibenzofuran	ug/L	< 1		102610	1	EPA625

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 10/19/10 @ 10:00 and 10/20/10 @ 09:00.

DIRECTOR

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.104891.01 10/28/10

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:10/20/10 RECEIVED:10/20/10
TIME COL'D:*
MATRIX:Water SAMPLE: M1-24 Hour Composite

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/L	< 1		102610	1	EPA625
Diethyl Phthalate	ug/L	< 1		102610	1	EPA625
4-Chlorophenyl phenyl ether	ug/L	< 1		102610	1	EPA625
Fluorene	ug/L	< 1		102610	1	EPA625
4-Nitroaniline	ug/L	< 1		102610	1	EPA625
N-Nitrosodiphenylamine	ug/L	< 1		102610	1	EPA625
4-Bromophenyl phenyl ether	ug/L	< 1		102610	1	EPA625
Hexachlorobenzene	ug/L	< 1		102610	1	EPA625
Phenanthrene	ug/L	< 1		102610	1	EPA625
Anthracene	ug/L	< 1		102610	1	EPA625
Di-n-Butyl Phthalate	ug/L	< 1		102610	1	EPA625
Fluoranthene	ug/L	< 1		102610	1	EPA625
Pyrene	ug/L	< 1		102610	1	EPA625
BenzylButylPhthalate	ug/L	< 1		102610	1	EPA625
3,3'-Dichlorobenzidine	ug/L	< 10		102610	10	EPA625
Benzo(a)anthracene	ug/L	< 1		102610	1	EPA625

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 10/19/10 @ 10:00 and 10/20/10 @ 09:00.

DIRECTOR

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.104891.01 10/28/10

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:10/20/10 RECEIVED:10/20/10
TIME COL'D:*
MATRIX:Water SAMPLE: M1-24 Hour Composite

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/L	< 1		102610	1	EPA625
Bis(2-ethylhexyl)phthalate	ug/L	3.3	1	102610	1	EPA625
Di-n-octyl Phthalate	ug/L	< 1		102610	1	EPA625
Benzo(b)fluoranthene	ug/L	< 1		102610	1	EPA625
Benzo(k)fluoranthene	ug/L	< 1		102610	1	EPA625
Benzo(a)pyrene	ug/L	< 1		102610	1	EPA625
Indeno(1,2,3-cd)pyrene	ug/L	< 1		102610	1	EPA625
Dibenzo(a,h)anthracene	ug/L	< 1		102610	1	EPA625
Benzo(ghi)perylene	ug/L	< 1		102610	1	EPA625

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 10/19/10 @ 10:00 and 10/20/10 @ 09:00.
1-Detected 1.45 ug/L in method blank.

DIRECTOR

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.104891.01 10/28/10

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:10/20/10 RECEIVED:10/20/10
TIME COL'D:*
MATRIX:Water SAMPLE: M1-24 Hour Composite

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/L	< 1		102610	1	EPA625
2-Chlorophenol	ug/L	< 1		102610	1	EPA625
2-Methylphenol (o-cresol)	ug/L	< 1		102610	1	EPA625
4-Methylphenol (p-cresol)	ug/L	< 1		102610	1	EPA625
2-Nitrophenol	ug/L	< 1		102610	1	EPA625
2,4-Dimethylphenol	ug/L	< 1		102610	1	EPA625
2,4-Dichlorophenol	ug/L	< 1		102610	1	EPA625
4-Chloro-3-methylphenol	ug/L	< 1		102610	1	EPA625
2,4,6-Trichlorophenol	ug/L	< 1		102610	1	EPA625
2,4,5-Trichlorophenol	ug/L	< 1		102610	1	EPA625
2,4-Dinitrophenol	ug/L	< 10		102610	10	EPA625
4-Nitrophenol	ug/L	< 10		102610	10	EPA625
2-Methyl-4,6-dinitrophenol	ug/L	< 10		102610	10	EPA625
Pentachlorophenol (ms)	ug/L	< 10		102610	10	EPA625

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 10/19/10 @ 10:00 and 10/20/10 @ 09:00.

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.104891.01 10/20/10

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:10/20/10 RECEIVED:10/20/10
TIME COL'D:*
MATRIX:Water SAMPLE: M1-24 Hour Composite

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	TIME	LRL	ANALYTICAL METHOD
Aroclor 1016	ug/L	< 0.065		102110		0.065	EPA608
Aroclor 1221	ug/L	< 0.065		102110		0.065	EPA608
Aroclor 1232	ug/L	< 0.065		102110		0.065	EPA608
Aroclor 1242	ug/L	< 0.065		102110		0.065	EPA608
Aroclor 1248	ug/L	< 0.065		102110		0.065	EPA608
Aroclor 1254	ug/L	< 0.065		102110		0.065	EPA608
Aroclor 1260	ug/L	< 0.065		102110		0.065	EPA608
Cadmium as Cd	mg/L	< 0.005		102510		0.005	EPA200.7
Chromium as Cr	mg/L	0.005		102510		0.005	EPA200.7
Copper as Cu	mg/L	< 0.01		102510		0.01	EPA200.7
Lead as Pb	mg/L	< 0.005		102510		0.005	EPA200.7
Mercury as Hg	mg/L	< 0.00025		102210		0.0002	EPA245.2
Molybdenum as Mo	mg/L	< 0.005		102510		0.005	EPA200.7
Nickel as Ni	mg/L	< 0.01		102510		0.01	EPA200.7
Silver as Ag	mg/L	< 0.005		102510		0.005	EPA200.7
Zinc as Zn	mg/L	0.02		102510		0.01	EPA200.7
Chromium hex as Cr	mg/L	< 0.02		102110	1250	0.02	S203500CrB
Carbonaceous BOD5	mg/L	170		102010	1600	60	S185210B
Tot. Kjeldahl N.	mg/L	56		102610		0.2	S204500NORB
Nitrate as N	mg/L	< 0.5		102710		0.5	EPA353.2
Nitrogen, total as N	mg/L	56		102710		0.2	EPA351,353
Chloride as Cl	mg/L	4100		102210		100	S184500ClB

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 10/19/10 @ 10:00 and 10/20/10 @ 09:00.

DIRECTORY

rp = 27894 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.104891.02 10/28/10

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:10/19/10 RECEIVED:10/20/10
TIME COL'D:*
MATRIX:Water SAMPLE: Mi-4 Grab Composite

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chloromethane	ug/L	< 5		102210	5	EPA624
Bromomethane	ug/L	< 5		102210	5	EPA624
Vinyl Chloride	ug/L	< 5		102210	5	EPA624
Chloroethane	ug/L	< 5		102210	5	EPA624
Methylene Chloride	ug/L	< 5		102210	5	EPA624
Acetone	ug/L	< 50		102210	50	EPA624
Carbon disulfide	ug/L	< 5		102210	5	EPA624
1,1 Dichloroethene	ug/L	< 5		102210	5	EPA624
1,1 Dichloroethane	ug/L	< 5		102210	5	EPA624
1,2 Dichloroethene	ug/L	< 10		102210	10	EPA624
Chloroform	ug/L	< 5		102210	5	EPA624
1,2 Dichloroethane	ug/L	< 5		102210	5	EPA624
2-Butanone	ug/L	< 50		102210	50	EPA624
111 Trichloroethane	ug/L	< 5		102210	5	EPA624
Carbon Tetrachloride	ug/L	< 5		102210	5	EPA624
Bromodichloromethane	ug/L	< 5		102210	5	EPA624
1,2 Dichloropropane	ug/L	< 5		102210	5	EPA624
c-1,3Dichloropropene	ug/L	< 5		102210	5	EPA624
Trichloroethene	ug/L	< 5		102210	5	EPA624
Chlorodibromomethane	ug/L	< 5		102210	5	EPA624
112 Trichloroethane	ug/L	< 5		102210	5	EPA624
Benzene	ug/L	< 5		102210	5	EPA624
t-1,3Dichloropropene	ug/L	< 5		102210	5	EPA624
Bromoform	ug/L	< 5		102210	5	EPA624
4-Methyl-2-Pentanone	ug/L	< 50		102210	50	EPA624

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by EcoTest Labs.
* Collected at 09:15, 11:00, 13:00, and 14:30.

DIRECTOR

rm = 27895 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.104891.02 10/28/10

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:10/19/10 RECEIVED:10/20/10
TIME COL'D:*
MATRIX:Water SAMPLE: M1-4 Grab Composite

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2-Hexanone	ug/L	< 50		102210	50	EPA624
Tetrachloroethene	ug/L	< 5		102210	5	EPA624
Toluene	ug/L	< 5		102210	5	EPA624
1122Tetrachloroethane	ug/L	< 5		102210	5	EPA624
Chlorobenzene	ug/L	< 5		102210	5	EPA624
Ethyl Benzene	ug/L	< 5		102210	5	EPA624
Styrene	ug/L	< 5		102210	5	EPA624
o Xylene	ug/L	< 5		102210	5	EPA624
m + p Xylene	ug/L	< 5		102210	10	EPA624
Xylene	ug/L	< 15		102210	15	EPA624
ter.ButylMethylEther	ug/L	< 5		102210	5	EPA624
Cyanide as CN	mg/L	< 0.04		102610	0.04	EPA335.4
CN amen.to chlorin.	mg/L	< 0.04		102610	0.04	EPA335.4

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by EcoTest Labs.
* Collected at 09:15, 11:00, 13:00, and 14:30.

DIRECTOR

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.104891.03 10/28/10

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:10/19/10 RECEIVED:10/20/10
TIME COL'D:0915
MATRIX:Water SAMPLE: M1-9:15-Grab #1

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
pH@lab units		6.5		102010 1652	0.1	S184500HB
Tot Suspended Solids	mg/L	8		102210	2.5	S182540D
Non-polar Material	mg/L	< 5		102610	5	EPA1664

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rp = 27897 NYSDOH ID # 10320 Page 1 of 1

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.104691.04 10/28/10

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:10/19/10 RECEIVED:10/20/10
TIME COL'D:1100
MATRIX:Water SAMPLE: MI-11:00-Grab #2

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
pH@lab units	units	6.5		102010 1654	0.1	S184500HB
Tot Suspended Solids	mg/L	6		102210	2.5	S182540D
Non-polar Material	mg/L	< 5		102610	5	EPA1664

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

ID # 27898 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.104891.05 10/28/10

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:10/19/10 RECEIVED:10/20/10
TIME COL'D:1300
MATRIX:Water SAMPLE: M1-13:00-Grab #3

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
pH@lab units		6.5		102010 1658	0.1	S184500HB
Tot Suspended Solids	mg/L	7		102210	2.5	S182540D
Non-polar Material	mg/L	< 5		102610	5	EPA1664

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rp = 27899 NYSDOH ID # 10320 Page 1 of 1

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.104891.06 10/28/10

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:10/19/10 RECEIVED:10/20/10
TIME COL'D:1430
MATRIX:Water SAMPLE: MI-14:30-Grab #4

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
pH@lab	units	6.5		102010 1700	0.1	S184500HE
Tot Suspended Solids	mg/L	5		102210	2.5	S182540D
Non-polar Material	mg/L	< 5		102610	5	EPA1664

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rm = 27900 NYSDOH ID # 10320 Page 1 of 1

ECOTEST LABORATORIES, INC. • ENVIRONMENTAL TESTING
7 Sheffield Avenue, North Babylon, New York 11703
(631) 422-5777 • FAX (631) 422-5770 • Email: ecotestlab@aol.com

CHAIN OF CUSTODY RECORD

104891

25

M1

10/19/10

t: STRATIS CONTRACTING CORP.
ess: 7 Corporate Drive
Peekskill, NY 10566
e: (914) 736-1808 FAX: (914) 788-6294
on receiving report: Vincent Pelusio
oled by: E. McLean
ce: Pennsylvannia Avenue Landfill
No.: 200903

RIX er, etc.)	COLLECTED DATE	COLLECTED TIME	SAMPLE IDENTIFICATION	TOTAL NUMBER OF CONTAINERS	TYPE AND NUMBER OF CONTAINERS: VOC VIALS [HCl]	32 OZ AMBER GLASS [H2SO4] - NON POLAR MATERIAL	32 OZ PLASTIC - NON METLAS - TSS & pH	8 OZ PLASTIC [NaOH] - CN		32 OZ AMBER GLASS PEST. & PCBs	32 OZ AMBER GLASS BASE NEUTRAL EXTRACTABLES	32 AMBER GLASS ACID EXTRACTABLES	32 OZ PLASTIC - NON METALS	16 OZ PLASTIC [H2SO4] - N & COD	8 OZ PLASTIC [HNO3] - METALS			REMARKS – TESTS REQUIRED
er	10/19/10	9:15	M1 - 9:15 - Grab #1	5	2	1	1	1										TSS, pH, HEM-NPM, CBOD, Chloride,
er	10/19/10	11:00	M1 - 11:00 - Grab #2	5	2	1	1	1										Cyanide (Total & Amenable), Nitrogen,
er	10/19/10	13:00	M1 - 13:00 - Grab #3	5	2	1	1	1										VOCs & SVOCs, Benzene, Ethylbenzene,
er	10/19/10	14:30	M1 - 14:30 - Grab #4	5	2	1	1	1										Xylenes, MTBE, Tetrachloroethylene,
																		Toluene, Naphthalene, Phenols, PCBs
er			M1 - 24 Hour Composite	7						2	1	1	1	1	1			Metals (Cu, Pb, Hg, Mo, Ni, Ag, Zn)
t:	10/19/10	10:00																Cadmium, Chromium (Total & Hex),
:	10/20/10	9:00																
																		(EPA 40 CFR Part 136 approved methods)

quished by: (Signature)	Date: 10-20-10.	SEAL INTACT? YES NO NA	Received by: (Signature)	Relinquished by: (Signature)	Date: 10/20/10	SEAL INTACT? YES NO NA	Received by: (Signature)	
senting: STRATIS.	Time: 2:30 p		Representing: STRATIS	Representing:	Time: 15:24		Representing:	
quished by: (Signature)	Date:	SEAL INTACT? YES NO NA	Received by: (Signature)	Relinquished by: (Signature)	Date:	SEAL INTACT? YES NO NA	Received by: (Signature)	
senting:	Time:		Representing:	Representing:	Time:		Representing:	

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777 • FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105443.01 12/06/10

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:11/23/10 RECEIVED:11/23/10
TIME COL'D:*
MATRIX:Water SAMPLE: M1-24 Hour Composite

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/L	< 1	113010	1	EPA625
1,3 Dichlorobenzene(sv)	ug/L	< 1	113010	1	EPA625
1,4 Dichlorobenzene(sv)	ug/L	< 1	113010	1	EPA625
Carbazole	ug/L	< 1	113010	1	EPA625
1,2 Dichlorobenzene(sv)	ug/L	< 1	113010	1	EPA625
Bis(2-chloroisopropyl)ether	ug/L	< 1	113010	1	EPA625
N-Nitrosodi-n-propylamine	ug/L	< 1	113010	1	EPA625
Hexachloroethane	ug/L	< 1	113010	1	EPA625
Nitrobenzene	ug/L	< 1	113010	1	EPA625
Isophorone	ug/L	< 1	113010	1	EPA625
Bis(2-chloroethoxy)methane	ug/L	< 1	113010	1	EPA625
124-Trichlorobenzene (sv)	ug/L	< 1	113010	1	EPA625
Naphthalene(sv)	ug/L	< 1	113010	1	EPA625
4-Chloroaniline	ug/L	< 1	113010	1	EPA625
Hexachlorobutadiene	ug/L	< 1	113010	1	EPA625
2-Methylnaphthalene	ug/L	< 1	113010	1	EPA625
Hexachlorocyclopentadiene	ug/L	< 10	113010	10	EPA625
2-Chloronaphthalene	ug/L	< 1	113010	1	EPA625
2-Nitroaniline	ug/L	< 1	113010	1	EPA625
Dimethyl Phthalate	ug/L	< 1	113010	1	EPA625
Acenaphthylene	ug/L	< 1	113010	1	EPA625
2,6-Dinitrotoluene	ug/L	< 1	113010	1	EPA625
3-Nitroaniline	ug/L	< 1	113010	1	EPA625
Acenaphthene	ug/L	< 1	113010	1	EPA625
Dibenzofuran	ug/L	< 1	113010	1	EPA625

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 11/22/10 @ 12:15 and 11/23/10 @ 11:15.

DIRECTOR

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105443.01 12/06/10

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:11/23/10 RECEIVED:11/23/10
TIME COL'D:*
MATRIX:Water SAMPLE: M1-24 Hour Composite

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/L	< 1		113010	1	EPA625
Diethyl Phthalate	ug/L	< 1		113010	1	EPA625
4-Chlorophenyl phenyl ether	ug/L	< 1		113010	1	EPA625
Fluorene	ug/L	< 1		113010	1	EPA625
4-Nitroaniline	ug/L	< 1		113010	1	EPA625
N-Nitrosodiphenylamine	ug/L	< 1		113010	1	EPA625
4-Bromophenyl phenyl ether	ug/L	< 1		113010	1	EPA625
Hexachlorobenzene	ug/L	< 1		113010	1	EPA625
Phenanthrene	ug/L	< 1		113010	1	EPA625
Anthracene	ug/L	< 1		113010	1	EPA625
Di-n-Butyl Phthalate	ug/L	< 1		113010	1	EPA625
Fluoranthene	ug/L	< 1		113010	1	EPA625
Pyrene	ug/L	< 1		113010	1	EPA625
BenzylButylPhthalate	ug/L	< 1		113010	1	EPA625
3,3'-Dichlorobenzidine	ug/L	< 10		113010	10	EPA625
Benzo(a)anthracene	ug/L	< 1		113010	1	EPA625

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 11/22/10 @ 12:15 and 11/23/10 @ 11:15.

DIRECTOR

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105443.01 12/06/10

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:11/23/10 RECEIVED:11/23/10
TIME COL'D:*
MATRIX:Water SAMPLE: M1-24 Hour Composite

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/L	< 1	113010	1	EPA625
Bis(2-ethylhexyl)phthalate	ug/L	< 1	113010	1	EPA625
Di-n-octyl Phthalate	ug/L	< 1	113010	1	EPA625
Benzo(b)fluoranthene	ug/L	< 1	113010	1	EPA625
Benzo(k)fluoranthene	ug/L	< 1	113010	1	EPA625
Benzo(a)pyrene	ug/L	< 1	113010	1	EPA625
Indeno(1,2,3-cd)pyrene	ug/L	< 1	113010	1	EPA625
Dibenzo(a,h)anthracene	ug/L	< 1	113010	1	EPA625
Benzo(ghi)perylene	ug/L	< 1	113010	1	EPA625

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 11/22/10 @ 12:15 and 11/23/10 @ 11:15.

DIRECTOR

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777 • FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105443.01 12/06/10

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:11/23/10 RECEIVED:11/23/10
TIME COL'D:*
MATRIX:Water SAMPLE: M1-24 Hour Composite

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/L	< 1		113010	1	EPA625
2-Chlorophenol	ug/L	< 1		113010	1	EPA625
2-Methylphenol (o-cresol)	ug/L	< 1		113010	1	EPA625
4-Methylphenol (p-cresol)	ug/L	< 1		113010	1	EPA625
2-Nitrophenol	ug/L	< 1		113010	1	EPA625
2,4-Dimethylphenol	ug/L	< 1		113010	1	EPA625
2,4-Dichlorophenol	ug/L	< 1		113010	1	EPA625
4-Chloro-3-methylphenol	ug/L	< 1		113010	1	EPA625
2,4,6-Trichlorophenol	ug/L	< 1		113010	1	EPA625
2,4,5-Trichlorophenol	ug/L	< 1		113010	1	EPA625
2,4-Dinitrophenol	ug/L	< 10		113010	10	EPA625
4-Nitrophenol	ug/L	< 10		113010	10	EPA625
2-Methyl-4,6-dinitrophenol	ug/L	< 10		113010	10	EPA625
Pentachlorophenol (ms)	ug/L	< 10		113010	10	EPA625

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 11/22/10 @ 12:15 and 11/23/10 @ 11:15.

DIRECTOR

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. ◦ N. BABYLON, N.Y. 11703 ◦ (631) 422-5777◦ FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105443.01 12/06/10

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:11/23/10 RECEIVED:11/23/10
TIME COL'D:*
MATRIX:Water SAMPLE: M1-24 Hour Composite

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
Aroclor 1016	ug/L	< 0.065	120210	0.065	EPA608
Aroclor 1221	ug/L	< 0.065	120210	0.065	EPA608
Aroclor 1232	ug/L	< 0.065	120210	0.065	EPA608
Aroclor 1242	ug/L	< 0.065	120210	0.065	EPA608
Aroclor 1248	ug/L	< 0.065	120210	0.065	EPA608
Aroclor 1254	ug/L	< 0.065	120210	0.065	EPA608
Aroclor 1260	ug/L	< 0.065	120210	0.065	EPA608
Cadmium as Cd	mg/L	< 0.005	113010	0.005	EPA200.7
Chromium as Cr	mg/L	0.005	113010	0.005	EPA200.7
Copper as Cu	mg/L	< 0.01	113010	0.01	EPA200.7
Lead as Pb	mg/L	< 0.005	113010	0.005	EPA200.7
Mercury as Hg	mg/L	< 0.00025	113010	0.0002	EPA245.2
Molybdenum as Mo	mg/L	< 0.005	113010	0.005	EPA200.7
Nickel as Ni	mg/L	< 0.01	113010	0.01	EPA200.7
Silver as Ag	mg/L	< 0.005	113010	0.005	EPA200.7
Zinc as Zn	mg/L	0.03	113010	0.01	EPA200.7
Chromium hex as Cr	mg/L	< 0.02	112410 1200	0.02	S203500CrB
Carbonaceous BOD5	mg/L	120	112410 1530	30	5210B
Tot. Kjeldahl N.	mg/L	65	113010	0.4	S184500NORG
Nitrate as N	mg/L	< 0.5	113010	0.5	EPA353.2
Nitrogen, total as N	mg/L	65	113010	0.4	EPA351,353
Chloride as Cl	mg/L	4800	112910	100	S184500C1B

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 11/22/10 @ 12:15 and 11/23/10 @ 11:15.

DIRECTOR

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777 • FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105443.02 12/06/10

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:11/23/10 RECEIVED:11/23/10
TIME COL'D:*
MATRIX:Water SAMPLE: M1-4 Grab Composite

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chloromethane	ug/L	< 5		112410	5	EPA624
Bromomethane	ug/L	< 5		112410	5	EPA624
Vinyl Chloride	ug/L	< 5		112410	5	EPA624
Chloroethane	ug/L	< 5		112410	5	EPA624
Methylene Chloride	ug/L	< 5		112410	5	EPA624
Acetone	ug/L	< 50		112410	50	EPA624
Carbon disulfide	ug/L	7		112410	5	EPA624
1,1 Dichloroethene	ug/L	< 5		112410	5	EPA624
1,1 Dichloroethane	ug/L	< 5		112410	5	EPA624
1,2 Dichloroethene	ug/L	< 10		112410	10	EPA624
Chloroform	ug/L	< 5		112410	5	EPA624
1,2 Dichloroethane	ug/L	< 5		112410	5	EPA624
2-Butanone	ug/L	< 50		112410	50	EPA624
111 Trichloroethane	ug/L	< 5		112410	5	EPA624
Carbon Tetrachloride	ug/L	< 5		112410	5	EPA624
Bromodichloromethane	ug/L	< 5		112410	5	EPA624
1,2 Dichloropropane	ug/L	< 5		112410	5	EPA624
c-1,3Dichloropropene	ug/L	< 5		112410	5	EPA624
Trichloroethene	ug/L	< 5		112410	5	EPA624
Chlorodibromomethane	ug/L	< 5		112410	5	EPA624
112 Trichloroethane	ug/L	< 5		112410	5	EPA624
Benzene	ug/L	< 5		112410	5	EPA624
t-1,3Dichloropropene	ug/L	< 5		112410	5	EPA624
Bromoform	ug/L	< 5		112410	5	EPA624
4-Methyl-2-Pentanone	ug/L	< 50		112410	50	EPA624

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by EcoTest Labs.
* Collected at 11:05, 12:30, 13:45 on 11/22/10 and 10:00 on 11/23/10.

DIRECTOR

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. ◦ N. BABYLON, N.Y. 11703 ◦ (631) 422-5777◦ FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105443.02 12/06/10

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:11/23/10 RECEIVED:11/23/10
TIME COL'D:*
MATRIX:Water SAMPLE: M1-4 Grab Composite

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2-Hexanone	ug/L	< 50		112410	50	EPA624
Tetrachloroethene	ug/L	< 5		112410	5	EPA624
Toluene	ug/L	< 5		112410	5	EPA624
1122Tetrachloroethane	ug/L	< 5		112410	5	EPA624
Chlorobenzene	ug/L	< 5		112410	5	EPA624
Ethyl Benzene	ug/L	< 5		112410	5	EPA624
Styrene	ug/L	< 5		112410	5	EPA624
o Xylene	ug/L	< 5		112410	5	EPA624
m + p Xylene	ug/L	< 10		112410	10	EPA624
Xylene	ug/L	< 15		112410	15	EPA624
ter.ButylMethylEther	ug/L	< 5		112410	5	EPA624
Cyanide as CN	mg/L	< 0.02		112910	0.02	EPA335.4
CN amen.to chlorin.	mg/L	< 0.02		112910	0.02	EPA335.4

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by EcoTest Labs.
* Collected at 11:05, 12:30, 13:45 on 11/22/10 and 10:00 on 11/23/10.

DIRECTOR

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105443.03 12/06/10

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:11/22/10 RECEIVED:11/23/10
TIME COL'D:1105
MATRIX:Water SAMPLE: M1-11:05-Grab #1

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
pH@lab units		6.5		112410 0935	0.1	S184500HB
Tot Suspended Solids	mg/L	26		112910	10	S192540D
Non-polar Material	mg/L	< 5		112910	5	EPA1664

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 31048 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. ◦ N. BABYLON, N.Y. 11703 ◦ (631) 422-5777◦ FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105443.04 12/06/10

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:11/22/10 RECEIVED:11/23/10
TIME COL'D:1230
MATRIX:Water SAMPLE: M1-12:30-Grab #2

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
pH@lab units		6.5		112410 0939	0.1	S184500HB
Tot Suspended Solids	mg/L	20		112910	10	S182540D
Non-polar Material	mg/L	< 5		112910	5	EPA1664

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 31049 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. ◦ N. BABYLON, N.Y. 11703 ◦ (631) 422-5777◦ FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105443.05 12/06/10

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:11/22/10 RECEIVED:11/23/10
TIME COL'D:1345
MATRIX:Water SAMPLE: M1-13:45-Grab #3

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
pH@lab units		6.6		112410 0943	0.1	S184500HB
Tot Suspended Solids	mg/L	26		112910	10	S182540D
Non-polar Material	mg/L	< 5		112910	5	EPA1664

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 31050 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. ◦ N. BABYLON, N.Y. 11703 ◦ (631) 422-5777◦ FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105443.06 12/06/10

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:11/23/10 RECEIVED:11/23/10
TIME COL'D:1000
MATRIX:Water SAMPLE: M1-10:00-Grab #4

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
pH@lab units		6.6		112410 0945	0.1	S184500HB
Tot Suspended Solids	mg/L	20		112910	10	S182540D
Non-polar Material	mg/L	< 5		112910	5	EPA1664

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 31051 NYSDOH ID # 10320

105443

ECO TEST LABORATORIES, INC. • ENVIRONMENTAL TESTING

377 Sheffield Avenue, North Babylon, New York 11703
(631) 422-5777 • FAX (631) 422-5770 • Email: ecotestlab@aol.com

CHAIN OF CUSTODY RECORD

24

Client: STRATIS CONTRACTING CORP.
Address: 7 Corporate Drive
Peekskill, NY 10566
Phone: (914) 736-1808 FAX: (914) 788-6294
Person receiving report: Vincent Pelusio
Sampled by: E. McLean
Source: Pennsylvannia Avenue Landfill
Job No.: 200903

M1

11/22/10 and 11/23/2010

MATRIX (Water, Soil, etc.)	COLLECTED DATE	COLLECTED TIME	SAMPLE IDENTIFICATION	TOTAL NUMBER OF CONTAINERS	TYPE AND NUMBER OF CONTAINERS: VOC VIALS [HCl]	32 OZ AMBER GLASS [H2SO4] - NON POLAR MATERIAL	32 OZ PLASTIC - NON METLAS - TSS & pH	8 OZ PLASTIC [NaOH] - CN		32 OZ AMBER GLASS PEST. & PCBs	32 OZ AMBER GLASS BASE NEUTRAL EXTRACTABLES	32 AMBER GLASS ACID EXTRACTABLES	32 OZ PLASTIC - NON METALS	16 OZ PLASTIC [H2SO4] - N & COD	8 OZ PLASTIC [HNO3] - METALS			REMARKS – TESTS REQUIRED
Water	11/22/10	11:05	M1 - 11:05 - Grab #1	5	2	1	1	1										TSS, pH, HEM-NPM, CBOD, Chloride,
Water	11/22/10	12:30	M1 - 12:30 - Grab #2	5	2	1	1	1										Cyanide (Total & Amenable), Nitrogen,
Water	11/22/10	13:45	M1 - 13:45 - Grab #3	5	2	1	1	1										VOCs & SVOCs, Benzene, Ethylbenzene,
Water	11/23/10	10:00	M1 - 10:00 - Grab #4	5	2	1	1	1										Xylenes, MTBE, Tetrachloroethylene,
																		Toluene, Naphthalene, Phenols, PCBs
Water			M1 - 24 Hour Composite	7						2	1	1	1	1	1			Metals (Cu, Pb, Hg, Mo, Ni, Ag, Zn)
Start:	11/22/10	12:15																Cadmium, Chromium (Total & Hex),
End:	11/23/10	11:15																
																		(EPA 40 CFR Part 136 approved methods)
																		Temp=0.5°C

Relinquished by: (Signature)	Date:	SEAL INTACT? YES NO NA	Received by: (Signature)	Relinquished by: (Signature)	Date:	SEAL INTACT? YES NO NA	Received by: (Signature)
Representing: STRATIS	Time: 2:00 PM		Representing: STRATIS	Representing: STRATIS	Time: 15:21		Representing:
Relinquished by: (Signature)	Date:	SEAL INTACT? YES NO NA	Received by: (Signature)	Relinquished by: (Signature)	Date:	SEAL INTACT? YES NO NA	Received by: (Signature)
Representing:	Time:		Representing:	Representing:	Time:		Representing:

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777 • FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105788.01 12/28/10

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/14/10
TIME COL'D:*
MATRIX:Water SAMPLE: M1-24 Hour Composite

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/L	< 1		121610	1	EPA625
1,3 Dichlorobenzene(sv)	ug/L	< 1		121610	1	EPA625
1,4 Dichlorobenzene(sv)	ug/L	< 1		121610	1	EPA625
Carbazole	ug/L	< 1		121610	1	EPA625
1,2 Dichlorobenzene(sv)	ug/L	< 1		121610	1	EPA625
Bis(2-chloroisopropyl)ether	ug/L	< 1		121610	1	EPA625
N-Nitrosodi-n-propylamine	ug/L	< 1		121610	1	EPA625
Hexachloroethane	ug/L	< 1		121610	1	EPA625
Nitrobenzene	ug/L	< 1		121610	1	EPA625
Isophorone	ug/L	< 1		121610	1	EPA625
Bis(2-chloroethoxy)methane	ug/L	< 1		121610	1	EPA625
124-Trichlorobenzene (sv)	ug/L	< 1		121610	1	EPA625
Naphthalene(sv)	ug/L	< 1		121610	1	EPA625
4-Chloroaniline	ug/L	< 1		121610	1	EPA625
Hexachlorobutadiene	ug/L	< 1		121610	1	EPA625
2-Methylnaphthalene	ug/L	< 1		121610	1	EPA625
Hexachlorocyclopentadiene	ug/L	< 10		121610	10	EPA625
2-Chloronaphthalene	ug/L	< 1		121610	1	EPA625
2-Nitroaniline	ug/L	< 1		121610	1	EPA625
Dimethyl Phthalate	ug/L	< 1		121610	1	EPA625
Acenaphthylene	ug/L	< 1		121610	1	EPA625
2,6-Dinitrotoluene	ug/L	< 1		121610	1	EPA625
3-Nitroaniline	ug/L	< 1		121610	1	EPA625
Acenaphthene	ug/L	< 1		121610	1	EPA625
Dibenzofuran	ug/L	< 1		121610	1	EPA625

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 12/13/10 @ 11:15 and 12/14/10 @ 10:15.

DIRECTOR

rn = 32833 NYSDOH ID # 10320

Analytical results relate to the samples as received by the laboratory.

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. ◦ N. BABYLON, N.Y. 11703 ◦ (631) 422-5777◦ FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105788.01 12/28/10

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/14/10
TIME COL'D:*
MATRIX:Water SAMPLE: M1-24 Hour Composite

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/L	< 1		121610	1	EPA625
Diethyl Phthalate	ug/L	< 1		121610	1	EPA625
4-Chlorophenyl phenyl ether	ug/L	< 1		121610	1	EPA625
Fluorene	ug/L	< 1		121610	1	EPA625
4-Nitroaniline	ug/L	< 1		121610	1	EPA625
N-Nitrosodiphenylamine	ug/L	< 1		121610	1	EPA625
4-Bromophenyl phenyl ether	ug/L	< 1		121610	1	EPA625
Hexachlorobenzene	ug/L	< 1		121610	1	EPA625
Phenanthrene	ug/L	< 1		121610	1	EPA625
Anthracene	ug/L	< 1		121610	1	EPA625
Di-n-Butyl Phthalate	ug/L	< 1		121610	1	EPA625
Fluoranthene	ug/L	< 1		121610	1	EPA625
Pyrene	ug/L	< 1		121610	1	EPA625
BenzylButylPhthalate	ug/L	< 1		121610	1	EPA625
3,3'-Dichlorobenzidine	ug/L	< 10		121610	10	EPA625
Benzo(a)anthracene	ug/L	< 1		121610	1	EPA625

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 12/13/10 @ 11:15 and 12/14/10 @ 10:15.

DIRECTOR

Analytical results relate to the samples as received by the laboratory

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. ◦ N. BABYLON, N.Y. 11703 ◦ (631) 422-5777 ◦ FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105788.01 12/28/10

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/14/10
TIME COL'D:*
MATRIX:Water SAMPLE: M1-24 Hour Composite

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/L	< 1		121610	1	EPA625
Bis(2-ethylhexyl)phthalate	ug/L	< 1		121610	1	EPA625
Di-n-octyl Phthalate	ug/L	< 1		121610	1	EPA625
Benzo(b)fluoranthene	ug/L	< 1		121610	1	EPA625
Benzo(k)fluoranthene	ug/L	< 1		121610	1	EPA625
Benzo(a)pyrene	ug/L	< 1		121610	1	EPA625
Indeno(1,2,3-cd)pyrene	ug/L	< 1		121610	1	EPA625
Dibenzo(a,h)anthracene	ug/L	< 1		121610	1	EPA625
Benzo(ghi)perylene	ug/L	< 1		121610	1	EPA625

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 12/13/10 @ 11:15 and 12/14/10 @ 10:15.

DIRECTOR

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. ◦ N. BABYLON, N.Y. 11703 ◦ (631) 422-5777◦ FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105788.01 12/28/10

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/14/10
TIME COL'D:*
MATRIX:Water SAMPLE: M1-24 Hour Composite

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/L	< 1		121610	1	EPA625
2-Chlorophenol	ug/L	< 1		121610	1	EPA625
2-Methylphenol (o-cresol)	ug/L	< 1		121610	1	EPA625
4-Methylphenol (p-cresol)	ug/L	< 1		121610	1	EPA625
2-Nitrophenol	ug/L	< 1		121610	1	EPA625
2,4-Dimethylphenol	ug/L	< 1		121610	1	EPA625
2,4-Dichlorophenol	ug/L	< 1		121610	1	EPA625
4-Chloro-3-methylphenol	ug/L	< 1		121610	1	EPA625
2,4,6-Trichlorophenol	ug/L	< 1		121610	1	EPA625
2,4,5-Trichlorophenol	ug/L	< 1		121610	1	EPA625
2,4-Dinitrophenol	ug/L	< 10		121610	10	EPA625
4-Nitrophenol	ug/L	< 10		121610	10	EPA625
2-Methyl-4,6-dinitrophenol	ug/L	< 10		121610	10	EPA625
Pentachlorophenol (ms)	ug/L	< 10		121610	10	EPA625

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 12/13/10 @ 11:15 and 12/14/10 @ 10:15.

DIRECTOR

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777 • FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105788.01 12/28/10

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/14/10
TIME COL'D:*
MATRIX:Water SAMPLE: M1-24 Hour Composite

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aroclor 1016	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1221	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1232	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1242	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1248	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1254	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1260	ug/L	< 0.065		122110	0.065	EPA608
Cadmium as Cd	mg/L	< 0.005		122010	0.005	EPA200.7
Chromium as Cr	mg/L	< 0.005		122010	0.005	EPA200.7
Copper as Cu	mg/L	< 0.01		122010	0.01	EPA200.7
Lead as Pb	mg/L	< 0.005		122010	0.005	EPA200.7
Mercury as Hg	mg/L	< 0.00025		121610	0.0002	EPA245.2
Molybdenum as Mo	mg/L	< 0.005		122010	0.005	EPA200.7
Nickel as Ni	mg/L	< 0.01		122010	0.01	EPA200.7
Silver as Ag	mg/L	< 0.005		122010	0.005	EPA200.7
Zinc as Zn	mg/L	0.02		122010	0.01	EPA200.7
Chromium hex as Cr	mg/L	< 0.02		121510 1200	0.02	S203500CrB
Carbonaceous BOD5	mg/L	36		121510 1500	12	SM185210B
Tot. Kjeldahl N.	mg/L	48		121610	0.4	S184500NORG
Nitrate as N	mg/L	< 0.5		121710	0.5	EPA353.2
Nitrogen, total as N	mg/L	48		121710	0.5	EPA351,353
Chloride as Cl	mg/L	1700		122210	100	S184500C1B

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 12/13/10 @ 11:15 and 12/14/10 @ 10:15.

DIRECTOR

rn = 32837 NYSDOH ID # 10320

Analytical results relate to the samples as received by the laboratory.

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. ◦ N. BABYLON, N.Y. 11703 ◦ (631) 422-5777◦ FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105788.02 12/28/10

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/14/10
TIME COL'D:*
MATRIX:Water SAMPLE: M1-4 Grab Composite

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chloromethane	ug/L	< 5		121810	5	EPA624
Bromomethane	ug/L	< 5		121810	5	EPA624
Vinyl Chloride	ug/L	< 5		121810	5	EPA624
Chloroethane	ug/L	< 5		121810	5	EPA624
Methylene Chloride	ug/L	< 5		121810	5	EPA624
Acetone	ug/L	< 50		121810	50	EPA624
Carbon disulfide	ug/L	< 5		121810	5	EPA624
1,1 Dichloroethene	ug/L	< 5		121810	5	EPA624
1,1 Dichloroethane	ug/L	< 5		121810	5	EPA624
1,2 Dichloroethene	ug/L	< 10		121810	10	EPA624
Chloroform	ug/L	< 5		121810	5	EPA624
1,2 Dichloroethane	ug/L	< 5		121810	5	EPA624
2-Butanone	ug/L	< 50		121810	50	EPA624
111 Trichloroethane	ug/L	< 5		121810	5	EPA624
Carbon Tetrachloride	ug/L	< 5		121810	5	EPA624
Bromodichloromethane	ug/L	< 5		121810	5	EPA624
1,2 Dichloropropane	ug/L	< 5		121810	5	EPA624
c-1,3Dichloropropene	ug/L	< 5		121810	5	EPA624
Trichloroethene	ug/L	< 5		121810	5	EPA624
Chlorodibromomethane	ug/L	< 5		121810	5	EPA624
112 Trichloroethane	ug/L	< 5		121810	5	EPA624
Benzene	ug/L	< 5		121810	5	EPA624
t-1,3Dichloropropene	ug/L	< 5		121810	5	EPA624
Bromoform	ug/L	< 5		121810	5	EPA624
4-Methyl-2-Pentanone	ug/L	< 50		121810	50	EPA624

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by EcoTest Labs.
* Collected at 11:25, 12:35, 13:45, and 14:45.

DIRECTOR

Analytical results relate to the samples as received by the laboratory

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. ◦ N. BABYLON, N.Y. 11703 ◦ (631) 422-5777◦ FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105788.02 12/28/10

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/14/10
TIME COL'D:*
MATRIX:Water SAMPLE: M1-4 Grab Composite

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2-Hexanone	ug/L	< 50		121810	50	EPA624
Tetrachloroethene	ug/L	< 5		121810	5	EPA624
Toluene	ug/L	< 5		121810	5	EPA624
1122Tetrachloroethane	ug/L	< 5		121810	5	EPA624
Chlorobenzene	ug/L	6		121810	5	EPA624
Ethyl Benzene	ug/L	< 5		121810	5	EPA624
Styrene	ug/L	< 5		121810	5	EPA624
o Xylene	ug/L	< 5		121810	5	EPA624
m + p Xylene	ug/L	< 10		121810	10	EPA624
Xylene	ug/L	< 15		121810	15	EPA624
ter.ButylMethylEther	ug/L	< 5		121810	5	EPA624
Cyanide as CN	mg/L	< 0.02		121610	0.02	EPA335.4
CN amen.to chlorin.	mg/L	< 0.02		121610	0.02	EPA335.4

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by EcoTest Labs.
* Collected at 11:25, 12:35, 13:45, and 14:45.

DIRECTOR

rn = 32839 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. ◦ N. BABYLON, N.Y. 11703 ◦ (631) 422-5777◦ FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105788.03 12/28/10

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/14/10
TIME COL'D:1125
MATRIX:Water SAMPLE: M1-11:25-Grab #1

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
pH@lab units		6.4		121610 1039	0.1	S184500HB
Tot Suspended Solids	mg/L	< 25		122210	25	S182540D
Non-polar Material	mg/L	< 5		121710	5	EPA1664

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 32840 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. ◦ N. BABYLON, N.Y. 11703 ◦ (631) 422-5777◦ FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105788.04 12/28/10

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/14/10
TIME COL'D:1235
MATRIX:Water SAMPLE: M1-12:35-Grab #2

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
pH@lab units		6.7		121610 1041	0.1	S184500HB
Tot Suspended Solids	mg/L	< 25		122210	25	S182540D
Non-polar Material	mg/L	< 5		121710	5	EPA1664

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 32841 NYSDOH ID # 10320

Analytical results relate to the samples as received by the laboratory.

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. ◦ N. BABYLON, N.Y. 11703 ◦ (631) 422-5777◦ FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105788.05 12/28/10

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/14/10
TIME COL'D:1345
MATRIX:Water SAMPLE: M1-13;45-Grab #3

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
pH@lab units		6.7		121610 1043	0.1	S184500HB
Tot Suspended Solids	mg/L	< 25		122210	25	S182540D
Non-polar Material	mg/L	< 5		121710	5	EPA1664

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 32842 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. ◦ N. BABYLON, N.Y. 11703 ◦ (631) 422-5777◦ FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105788.06 12/28/10

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/14/10
TIME COL'D:1445
MATRIX:Water SAMPLE: M1-14:45-Grab #4

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
pH@lab units		6.6		121610 1047	0.1	S184500HB
Tot Suspended Solids	mg/L	< 25		122210	25	S182540D
Non-polar Material	mg/L	< 5		121710	5	EPA1664

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

105188

ECOTEST LABORATORIES, INC. • ENVIRONMENTAL TESTING

377 Sheffield Avenue, North Babylon, New York 11703
(631) 422-5777 • FAX (631) 422-5770 • Email: ecotestlab@aol.com

CHAIN OF CUSTODY RECORD

M1

12/13/10

Client: **STRATIS CONTRACTING CORP.**
Address: **7 Corporate Drive**
Peekskill, NY 10566
Phone: **(914) 736-1808** FAX: **(914) 788-6294**
Person receiving report: **Vincent Pelusio**
Sampled by: **E. McLean**
Source: **Pennsylvannia Avenue Landfill**
Job No.: **200903**

MATRIX (Water, Soil, etc.)	COLLECTED DATE	COLLECTED TIME	SAMPLE IDENTIFICATION	TOTAL NUMBER OF CONTAINERS	TYPE AND NUMBER OF CONTAINERS: VOC VIALS [HCl]	32 OZ AMBER GLASS [H2SO4] - NON POLAR MATERIAL	32 OZ PLASTIC - NON METLAS - TSS & pH	8 OZ PLASTIC [NaOH] - CN		32 OZ AMBER GLASS PEST. & PCBs	32 OZ AMBER GLASS BASE NEUTRAL EXTRACTABLES	32 AMBER GLASS ACID EXTRACTABLES	32 OZ PLASTIC - NON METALS	16 OZ PLASTIC [H2SO4] - N & COD	8 OZ PLASTIC [HNO3] - METALS			REMARKS – TESTS REQUIRED
Water	12/13/10	11:25	M1 - 11:25 - Grab #1	5	2	1	1	1										TSS, pH, HEM-NPM, CBOD, Chloride,
Water	12/13/10	12:35	M1 - 12:35 - Grab #2	5	2	1	1	1										Cyanide (Total & Amenable), Nitrogen,
Water	12/13/10	13:45	M1 - 13:45 - Grab #3	5	2	1	1	1										VOCs & SVOCs, Benzene, Ethylbenzene,
Water	12/13/10	14:45	M1 - 14:45 - Grab #4	5	2	1	1	1										Xylenes, MTBE, Tetrachloroethylene,
																		Toluene, Naphthalene, Phenols, PCBs
Water			M1 - 24 Hour Composite	7						2	1	1	1	1	1			Metals (Cu, Pb, Hg, Mo, Ni, Ag, Zn)
Start:	12/13/10	11:15																Cadmium, Chromium (Total & Hex),
End:	12/14/10	10:15																
																		(EPA 40 CFR Part 136 approved methods)
																		Temp = 1.1° C

Relinquished by: (Signature)	Date: 12-14-10	SEAL INTACT? YES NO NA	Received by: (Signature)	Relinquished by: (Signature)	Date: 12/14/10	SEAL INTACT? YES NO NA	Received by: (Signature)
Representing: Stratis	Time: 3:00 pm		Representing: Stratis	Representing: Ecotest	Time: 16:15		Representing:
Relinquished by: (Signature)	Date:	SEAL INTACT? YES NO NA	Received by: (Signature)	Relinquished by: (Signature)	Date:	SEAL INTACT? YES NO NA	Received by: (Signature)
Representing:	Time:		Representing:	Representing:	Time:		Representing:

Groundwater Leachate Pretreatment

Influent Analysis Laboratory Reports and Chain of Custody Records

(November and December, 2010)

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777 • FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105444.01 12/06/10

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:11/23/10 RECEIVED:11/23/10
TIME COL'D:*
MATRIX:Water SAMPLE: GWL-INF-24 Hour Composite

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/L	< 1	113010	1	EPA625
1,3 Dichlorobenzene(sv)	ug/L	< 1	113010	1	EPA625
1,4 Dichlorobenzene(sv)	ug/L	< 1	113010	1	EPA625
Carbazole	ug/L	< 1	113010	1	EPA625
1,2 Dichlorobenzene(sv)	ug/L	< 1	113010	1	EPA625
Bis(2-chloroisopropyl)ether	ug/L	< 1	113010	1	EPA625
N-Nitrosodi-n-propylamine	ug/L	< 1	113010	1	EPA625
Hexachloroethane	ug/L	< 1	113010	1	EPA625
Nitrobenzene	ug/L	< 1	113010	1	EPA625
Isophorone	ug/L	< 1	113010	1	EPA625
Bis(2-chloroethoxy)methane	ug/L	< 1	113010	1	EPA625
124-Trichlorobenzene (sv)	ug/L	< 1	113010	1	EPA625
Naphthalene(sv)	ug/L	< 1	113010	1	EPA625
4-Chloroaniline	ug/L	< 1	113010	1	EPA625
Hexachlorobutadiene	ug/L	< 1	113010	1	EPA625
2-Methylnaphthalene	ug/L	< 1	113010	1	EPA625
Hexachlorocyclopentadiene	ug/L	< 10	113010	10	EPA625
2-Chloronaphthalene	ug/L	< 1	113010	1	EPA625
3-Nitroaniline	ug/L	< 1	113010	1	EPA625
Dimethyl Phthalate	ug/L	< 1	113010	1	EPA625
Acenaphthylene	ug/L	< 1	113010	1	EPA625
2,6-Dinitrotoluene	ug/L	< 1	113010	1	EPA625
3-Nitroaniline	ug/L	< 1	113010	1	EPA625
Acenaphthene	ug/L	< 1	113010	1	EPA625
Dibenzofuran	ug/L	< 1	113010	1	EPA625

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 11/22/10 @ 10:45 and 11/23/10 @ 11:45.

DIRECTOR

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. ◦ N. BABYLON, N.Y. 11703 ◦ (631) 422-5777◦ FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105444.01 12/06/10

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:11/23/10 RECEIVED:11/23/10
TIME COL'D:*
MATRIX:Water SAMPLE: GWL-INF-24 Hour Composite

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/L	< 1		113010	1	EPA625
Diethyl Phthalate	ug/L	< 1		113010	1	EPA625
4-Chlorophenyl phenyl ether	ug/L	< 1		113010	1	EPA625
Fluorene	ug/L	< 1		113010	1	EPA625
4-Nitroaniline	ug/L	< 1		113010	1	EPA625
N-Nitrosodiphenylamine	ug/L	7.2		113010	1	EPA625
4-Bromophenyl phenyl ether	ug/L	< 1		113010	1	EPA625
Hexachlorobenzene	ug/L	< 1		113010	1	EPA625
Phenanthrene	ug/L	< 1		113010	1	EPA625
Anthracene	ug/L	< 1		113010	1	EPA625
Di-n-Butyl Phthalate	ug/L	1.1		113010	1	EPA625
Fluoranthene	ug/L	< 1		113010	1	EPA625
Pyrene	ug/L	< 1		113010	1	EPA625
BenzylButylPhthalate	ug/L	< 1		113010	1	EPA625
3,3'-Dichlorobenzidine	ug/L	< 10		113010	10	EPA625
Benzo(a)anthracene	ug/L	< 1		113010	1	EPA625

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 11/22/10 @ 10:45 and 11/23/10 @ 11:45.

DIRECTOR

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777 • FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105444.01 12/06/10

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:11/23/10 RECEIVED:11/23/10
TIME COL'D:*
MATRIX:Water SAMPLE: GWL-INF-24 Hour Composite

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/L	< 1	113010	1	EPA625
Bis(2-ethylhexyl)phthalate	ug/L	< 1	113010	1	EPA625
Di-n-octyl Phthalate	ug/L	< 1	113010	1	EPA625
Benzo(b)fluoranthene	ug/L	< 1	113010	1	EPA625
Benzo(k)fluoranthene	ug/L	< 1	113010	1	EPA625
Benzo(a)pyrene	ug/L	< 1	113010	1	EPA625
Indeno(1,2,3-cd)pyrene	ug/L	< 1	113010	1	EPA625
Dibenzo(a,h)anthracene	ug/L	< 1	113010	1	EPA625
Benzo(ghi)perylene	ug/L	< 1	113010	1	EPA625

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 11/22/10 @ 10:45 and 11/23/10 @ 11:45.

DIRECTOR

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. ◦ N. BABYLON, N.Y. 11703 ◦ (631) 422-5777◦ FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105444.01 12/06/10

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:11/23/10 RECEIVED:11/23/10
TIME COL'D:*
MATRIX:Water SAMPLE: GWL-INF-24 Hour Composite

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/L	< 1	113010	1	EPA625
2-Chlorophenol	ug/L	< 1	113010	1	EPA625
2-Methylphenol (o-cresol)	ug/L	< 1	113010	1	EPA625
4-Methylphenol (p-cresol)	ug/L	< 1	113010	1	EPA625
2-Nitrophenol	ug/L	< 1	113010	1	EPA625
2,4-Dimethylphenol	ug/L	< 1	113010	1	EPA625
2,4-Dichlorophenol	ug/L	< 1	113010	1	EPA625
4-Chloro-3-methylphenol	ug/L	< 1	113010	1	EPA625
2,4,6-Trichlorophenol	ug/L	< 1	113010	1	EPA625
2,4,5-Trichlorophenol	ug/L	< 1	113010	1	EPA625
2,4-Dinitrophenol	ug/L	< 10	113010	10	EPA625
4-Nitrophenol	ug/L	< 10	113010	10	EPA625
2-Methyl-4,6-dinitrophenol	ug/L	< 10	113010	10	EPA625
Pentachlorophenol (ms)	ug/L	< 10	113010	10	EPA625

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 11/22/10 @ 10:45 and 11/23/10 @ 11:45.

DIRECTOR

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. ◦ N. BABYLON, N.Y. 11703 ◦ (631) 422-5777 ◦ FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105444.01 12/06/10

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:11/23/10 RECEIVED:11/23/10
TIME COL'D:*
MATRIX:Water SAMPLE: GWL-INF-24 Hour Composite

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
Aroclor 1016	ug/L	< 0.065	120210	0.065	EPA608
Aroclor 1221	ug/L	< 0.065	120210	0.065	EPA608
Aroclor 1232	ug/L	< 0.065	120210	0.065	EPA608
Aroclor 1242	ug/L	< 0.065	120210	0.065	EPA608
Aroclor 1248	ug/L	< 0.065	120210	0.065	EPA608
Aroclor 1254	ug/L	< 0.065	120210	0.065	EPA608
Aroclor 1260	ug/L	< 0.065	120210	0.065	EPA608
Cadmium as Cd	mg/L	< 0.005	113010	0.005	EPA200.7
Chromium as Cr	mg/L	0.006	113010	0.005	EPA200.7
Copper as Cu	mg/L	0.06	113010	0.01	EPA200.7
Lead as Pb	mg/L	< 0.005	113010	0.005	EPA200.7
Mercury as Hg	mg/L	< 0.00025	113010	0.0002	EPA245.2
Molybdenum as Mo	mg/L	< 0.005	113010	0.005	EPA200.7
Nickel as Ni	mg/L	< 0.01	113010	0.01	EPA200.7
Silver as Ag	mg/L	< 0.005	113010	0.005	EPA200.7
Zinc as Zn	mg/L	< 0.001	113010	0.01	EPA200.7
Chromium hex as Cr	mg/L	< 0.02	112410 1200	0.02	S203500CrB
Carbonaceous BOD5	mg/L	< 50	112410	50	5210B
Tot. Kjeldahl N.	mg/L	68	113010	0.4	S184500NORG
Nitrate as N	mg/L	< 0.5	113010	0.5	EPA353.2
Nitrogen, total as N	mg/L	68	113010	0.4	EPA351,353
Chloride as Cl	mg/L	4900	112910	100	S184500C1B

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 11/22/10 @ 10:45 and 11/23/10 @ 11:45.

DIRECTOR

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105444.02 12/06/10

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:11/23/10 RECEIVED:11/23/10
TIME COL'D:*
MATRIX:Water SAMPLE: GWL-INF-4 Grab Composite

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
Chloromethane	ug/L	< 5	112410	5	EPA624
Bromomethane	ug/L	< 5	112410	5	EPA624
Vinyl Chloride	ug/L	< 5	112410	5	EPA624
Chloroethane	ug/L	< 5	112410	5	EPA624
Methylene Chloride	ug/L	< 5	112410	5	EPA624
Acetone	ug/L	< 50	112410	50	EPA624
Carbon disulfide	ug/L	< 5	112410	5	EPA624
1,1 Dichloroethene	ug/L	< 5	112410	5	EPA624
1,1 Dichloroethane	ug/L	< 5	112410	5	EPA624
1,2 Dichloroethene	ug/L	< 10	112410	10	EPA624
Chloroform	ug/L	< 5	112410	5	EPA624
1,2 Dichloroethane	ug/L	< 5	112410	5	EPA624
2-Butanone	ug/L	< 50	112410	50	EPA624
111 Trichloroethane	ug/L	< 5	112410	5	EPA624
Carbon Tetrachloride	ug/L	< 5	112410	5	EPA624
Bromodichloromethane	ug/L	< 5	112410	5	EPA624
1,2 Dichloropropane	ug/L	< 5	112410	5	EPA624
c-1,3Dichloropropene	ug/L	< 5	112410	5	EPA624
Trichloroethene	ug/L	< 5	112410	5	EPA624
Chlorodibromomethane	ug/L	< 5	112410	5	EPA624
112 Trichloroethane	ug/L	< 5	112410	5	EPA624
Benzene	ug/L	< 5	112410	5	EPA624
t-1,3Dichloropropene	ug/L	< 5	112410	5	EPA624
Bromoform	ug/L	< 5	112410	5	EPA624
4-Methyl-2-Pentanone	ug/L	< 50	112410	50	EPA624

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by EcoTest Labs.
* Collected at 10:00, 11:30, 13:00 on 11/22/10 and 08:00 on 11/23/10.

DIRECTOR

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105444.02 12/06/10

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:11/23/10 RECEIVED:11/23/10
TIME COL'D:*
MATRIX:Water SAMPLE: GWL-INF-4 Grab Composite

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
2-Hexanone	ug/L	< 50	112410	50	EPA624
Tetrachloroethene	ug/L	< 5	112410	5	EPA624
Toluene	ug/L	< 5	112410	5	EPA624
1122Tetrachloroethane	ug/L	< 5	112410	5	EPA624
Chlorobenzene	ug/L	29	112410	5	EPA624
Ethyl Benzene	ug/L	< 5	112410	5	EPA624
Styrene	ug/L	< 5	112410	5	EPA624
o Xylene	ug/L	< 5	112410	5	EPA624
m + p Xylene	ug/L	< 10	112410	10	EPA624
Xylene	ug/L	< 15	112410	15	EPA624
ter.ButylMethylEther	ug/L	< 5	112410	5	EPA624
Cyanide as CN	mg/L	< 0.02	112910	0.02	EPA335.4
CN amen.to chlorin.	mg/L	< 0.02	112910	0.02	EPA335.4

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by EcoTest Labs.
* Collected at 10:00, 11:30, 13:00 on 11/22/10 and 08:00 on 11/23/10.

DIRECTOR

rn = 31058 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777 • FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105444.03 12/09/10

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:11/22/10 RECEIVED:11/23/10
TIME COL'D:1000
MATRIX:Water SAMPLE: GWL-INF-10:00-Grab #1

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
pH@lab units		6.9		112410 0948	0.1	S184500HB
Tot Suspended Solids	mg/L	52		112910	10	S182540D
Non-polar Material	mg/L	< 5		112910	5	EPA1664

cc:

LRL=Laboratory Reporting Limit

REMARKS: Revised report: Corrected sample ID.
Replaces report with print date of 12/06/10.

DIRECTOR

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777 • FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105444.04 12/06/10

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:11/22/10 RECEIVED:11/23/10
TIME COL'D:1130
MATRIX:Water SAMPLE: GWL-INF-11:30-Grab #2

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
pH@lab units		6.8		112410 0951	0.1	S184500HB
Tot Suspended Solids	mg/L	50		112910	10	S182540D
Non-polar Material	mg/L	< 5		112910	5	EPA1664

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 31060 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105444.05 12/06/10

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:11/22/10 RECEIVED:11/23/10
TIME COL'D:1300
MATRIX:Water SAMPLE: GWL-INF-13:00-Grab #3

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
pH@lab units		6.9		112410 0953	0.1	S184500HB
Tot Suspended Solids	mg/L	55		112910	10	S182540D
Non-polar Material	mg/L	< 5		112910	5	EPA1664

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 31061 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. ◦ N. BABYLON, N.Y. 11703 ◦ (631) 422-5777 ◦ FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105444.06 12/06/10

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:11/23/10 RECEIVED:11/23/10
TIME COL'D:0800
MATRIX:Water SAMPLE: GWL-INF-8:00-Grab #4

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
pH@lab units		6.9		112410 0959	0.1	S184500HB
Tot Suspended Solids	mg/L	41		112910	10	S182540D
Non-polar Material	mg/L	< 5		112910	5	EPA1664

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 31062 NYSDOH ID # 10320

ECO TEST LABORATORIES, INC. • ENVIRONMENTAL TESTING
377 Sheffield Avenue, North Babylon, New York 11703
(631) 422-5777 • FAX (631) 422-5770 • Email: ecotestlab@aol.com

CHAIN OF CUSTODY RECORD

105444

GWL INFLUENT

11/22/10 and 11/23/10

Client: STRATIS CONTRACTING CORP.
Address: 7 Corporate Drive
Peekskill, NY 10566
Phone: (914) 736-1808 FAX: (914) 788-6294
Person receiving report: Vincent Pelusio
Sampled by: MOG & RK
Source: Pennsylvannia Avenue Landfill
Job No.: 200903

MATRIX (Water, Soil, etc.)	COLLECTED DATE	COLLECTED TIME	SAMPLE IDENTIFICATION	TOTAL NUMBER OF CONTAINERS	TYPE AND NUMBER OF CONTAINERS: VOC VIALS [HCl]	32 OZ AMBER GLASS [H2SO4] - NON POLAR MATERIAL	32 OZ PLASTIC - NON METLAS - TSS & pH	8 OZ PLASTIC [NaOH] - CN		32 OZ AMBER GLASS PEST. & PCBs	32 OZ AMBER GLASS BASE NEUTRAL EXTRACTABLES	32 AMBER GLASS ACID EXTRACTABLES	32 OZ PLASTIC - NON METALS	16 OZ PLASTIC [H2SO4] - N & COD	8 OZ PLASTIC [HNO3] - METALS		REMARKS – TESTS REQUIRED
Water	11/22/10	10:00	GWL-INF-10:00-Grab #1	5	2	1	1	1									TSS, pH, HEM-NPM, CBOD, Chloride,
Water	11/22/10	10:30	GWL-INF-10:30-Grab #2	5	2	1	1	1									Cyanide (Total & Amenable), Nitrogen,
Water	11/22/10	13:00	GWL-INF-13:00-Grab #3	5	2	1	1	1									VOCs & SVOCs, Benzene, Ethylbenzene,
Water	11/23/10	8:00	GWL-INF-8:00-Grab #4	5	2	1	1	1									Xylenes, MTBE, Tetrachloroethylene,
																	Toluene, Naphthalene, Phenols,
Water			GWL INFLUENT - 24 Hour Composite	8						2	1	1	1	1	1	1	Metals (Cu, Pb, Hg, Mo, Ni, Ag, Zn)
Start:	11/22/10	10:45															Cadmium, Chromium (Total & Hex),
End:	11/23/10	11:45															PCBs, ~~TOX, TPH (GC), Flashpoint~~
																	(EPA 40 CFR Part 136 approved methods) Temp =
																	Same schedule as the M-1 samples 0.5

Relinquished by: (Signature)	Date / Time	SEAL INTACT? YES NO NA	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	SEAL INTACT? YES NO NA	Received by: (Signature)
M O'Connor Representing: STRATIS	Date: 11/23/10 Time: 2:00 PM	(NA)	Representing: STRATIS	Representing: STRATIS	Date: 11/23/10 Time: 15:21	NA	Representing:
Relinquished by: (Signature) Representing:	Date: Time:	SEAL INTACT? YES NO NA	Received by: (Signature) Representing:	Relinquished by: (Signature) Representing:	Date: Time:	SEAL INTACT? YES NO NA	Received by: (Signature) Representing:

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. ◦ N. BABYLON, N.Y. 11703 ◦ (631) 422-5777◦ FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105789.01 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/14/10
TIME COL'D:*
MATRIX:Water SAMPLE: M1-24 Hour Composite (GWL Influent)

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/L	< 1		122210	1	EPA625
1,3 Dichlorobenzene(sv)	ug/L	< 1		122210	1	EPA625
1,4 Dichlorobenzene(sv)	ug/L	< 1		122210	1	EPA625
Carbazole	ug/L	< 1		122210	1	EPA625
1,2 Dichlorobenzene(sv)	ug/L	< 1		122210	1	EPA625
Bis(2-chloroisopropyl)ether	ug/L	< 1		122210	1	EPA625
N-Nitrosodi-n-propylamine	ug/L	< 1		122210	1	EPA625
Hexachloroethane	ug/L	< 1		122210	1	EPA625
Nitrobenzene	ug/L	< 1		122210	1	EPA625
Isophorone	ug/L	< 1		122210	1	EPA625
Bis(2-chloroethoxy)methane	ug/L	< 1		122210	1	EPA625
124-Trichlorobenzene (sv)	ug/L	< 1		122210	1	EPA625
Naphthalene(sv)	ug/L	< 1		122210	1	EPA625
4-Chloroaniline	ug/L	< 1		122210	1	EPA625
Hexachlorobutadiene	ug/L	< 1		122210	1	EPA625
2-Methylnaphthalene	ug/L	< 1		122210	1	EPA625
Hexachlorocyclopentadiene	ug/L	< 10		122210	10	EPA625
2-Chloronaphthalene	ug/L	< 1		122210	1	EPA625
2-Nitroaniline	ug/L	< 1		122210	1	EPA625
Dimethyl Phthalate	ug/L	< 1		122210	1	EPA625
Acenaphthylene	ug/L	< 1		122210	1	EPA625
2,6-Dinitrotoluene	ug/L	< 1		122210	1	EPA625
3-Nitroaniline	ug/L	< 1		122210	1	EPA625
Acenaphthene	ug/L	< 1		122210	1	EPA625
Dibenzofuran	ug/L	< 1		122210	1	EPA625

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 12/13/10 @ 11:15 and 12/14/10 @ 10:15.

DIRECTOR

rn = 32844 NYSDOH ID # 10320

Analytical results relate to the samples as received by the laboratory.

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. ◦ N. BABYLON, N.Y. 11703 ◦ (631) 422-5777◦ FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105789.01 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/14/10
TIME COL'D:*
MATRIX:Water SAMPLE: M1-24 Hour Composite (GWL Influent)

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/L	< 1		122210	1	EPA625
Diethyl Phthalate	ug/L	< 1		122210	1	EPA625
4-Chlorophenyl phenyl ether	ug/L	< 1		122210	1	EPA625
Fluorene	ug/L	< 1		122210	1	EPA625
4-Nitroaniline	ug/L	< 1		122210	1	EPA625
N-Nitrosodiphenylamine	ug/L	< 1		122210	1	EPA625
4-Bromophenyl phenyl ether	ug/L	< 1		122210	1	EPA625
Hexachlorobenzene	ug/L	< 1		122210	1	EPA625
Phenanthrene	ug/L	< 1		122210	1	EPA625
Anthracene	ug/L	< 1		122210	1	EPA625
Di-n-Butyl Phthalate	ug/L	< 1		122210	1	EPA625
Fluoranthene	ug/L	< 1		122210	1	EPA625
Pyrene	ug/L	< 1		122210	1	EPA625
BenzylButylPhthalate	ug/L	< 1		122210	1	EPA625
3,3'-Dichlorobenzidine	ug/L	< 10		122210	10	EPA625
Benzo(a)anthracene	ug/L	< 1		122210	1	EPA625

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 12/13/10 @ 11:15 and 12/14/10 @ 10:15.

DIRECTOR

rn = 32845 NYSDOH ID # 10320

Analytical results relate to the samples as received by the laboratory.

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. ◦ N. BABYLON, N.Y. 11703 ◦ (631) 422-5777◦ FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105789.01 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/14/10
TIME COL'D:*
MATRIX:Water SAMPLE: M1-24 Hour Composite (GWL Influent)

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/L	< 1		122210	1	EPA625
Bis(2-ethylhexyl)phthalate	ug/L	< 1		122210	1	EPA625
Di-n-octyl Phthalate	ug/L	< 1		122210	1	EPA625
Benzo(b)fluoranthene	ug/L	< 1		122210	1	EPA625
Benzo(k)fluoranthene	ug/L	< 1		122210	1	EPA625
Benzo(a)pyrene	ug/L	< 1		122210	1	EPA625
Indeno(1,2,3-cd)pyrene	ug/L	< 1		122210	1	EPA625
Dibenzo(a,h)anthracene	ug/L	< 1		122210	1	EPA625
Benzo(ghi)perylene	ug/L	< 1		122210	1	EPA625

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 12/13/10 @ 11:15 and 12/14/10 @ 10:15.

DIRECTOR

Analytical results relate to the samples as received by the laboratory.

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. ◦ N. BABYLON, N.Y. 11703 ◦ (631) 422-5777◦ FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105789.01 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/14/10
TIME COL'D:*
MATRIX:Water SAMPLE: M1-24 Hour Composite (GWL Influent)

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/L	< 1		122210	1	EPA625
2-Chlorophenol	ug/L	< 1		122210	1	EPA625
2-Methylphenol (o-cresol)	ug/L	< 1		122210	1	EPA625
4-Methylphenol (p-cresol)	ug/L	< 1		122210	1	EPA625
2-Nitrophenol	ug/L	< 1		122210	1	EPA625
2,4-Dimethylphenol	ug/L	< 1		122210	1	EPA625
2,4-Dichlorophenol	ug/L	< 1		122210	1	EPA625
4-Chloro-3-methylphenol	ug/L	< 1		122210	1	EPA625
2,4,6-Trichlorophenol	ug/L	< 1		122210	1	EPA625
2,4,5-Trichlorophenol	ug/L	< 1		122210	1	EPA625
2,4-Dinitrophenol	ug/L	< 10		122210	10	EPA625
4-Nitrophenol	ug/L	< 10		122210	10	EPA625
2-Methyl-4,6-dinitrophenol	ug/L	< 10		122210	10	EPA625
Pentachlorophenol (ms)	ug/L	< 10		122210	10	EPA625

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 12/13/10 @ 11:15 and 12/14/10 @ 10:15.

DIRECTOR

Analytical results relate to the samples as received by the laboratory.

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. ◦ N. BABYLON, N.Y. 11703 ◦ (631) 422-5777◦ FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105789.01 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/14/10
TIME COL'D:*
MATRIX:Water SAMPLE: M1-24 Hour Composite (GWL Influent)

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS		LRL	ANALYTICAL METHOD
Aroclor 1016	ug/L	< 0.065		122110		0.065	EPA608
Aroclor 1221	ug/L	< 0.065		122110		0.065	EPA608
Aroclor 1232	ug/L	< 0.065		122110		0.065	EPA608
Aroclor 1242	ug/L	< 0.065		122110		0.065	EPA608
Aroclor 1248	ug/L	< 0.065		122110		0.065	EPA608
Aroclor 1254	ug/L	< 0.065		122110		0.065	EPA608
Aroclor 1260	ug/L	< 0.065		122110		0.065	EPA608
Cadmium as Cd	mg/L	< 0.025		122110		0.025	EPA200.7
Chromium as Cr	mg/L	< 0.025		122110		0.025	EPA200.7
Copper as Cu	mg/L	< 0.05		122110		0.05	EPA200.7
Lead as Pb	mg/L	< 0.025		122110		0.025	EPA200.7
Mercury as Hg	mg/L	< 0.00025		121610		0.000	EPA245.2
Molybdenum as Mo	mg/L	< 0.025		122110		0.025	EPA200.7
Nickel as Ni	mg/L	< 0.05		122110		0.05	EPA200.7
Silver as Ag	mg/L	< 0.025		122110		0.025	EPA200.7
Zinc as Zn	mg/L	0.76		122110		0.05	EPA200.7
Chromium hex as Cr	mg/L	< 0.02		121510	1200	0.02	S203500CrB
Carbonaceous BOD5	mg/L	< 10		121510	1500	10	SM185210B
Tot. Kjeldahl N.	mg/L	54		121610		0.4	S184500NORG
Nitrate as N	mg/L	0.5		121710		0.5	EPA353.2
Nitrogen, total as N	mg/L	55		121710		0.5	EPA351,353
Chloride as Cl	mg/L	3300		122210		100	S184500C1B

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 12/13/10 @ 11:15 and 12/14/10 @ 10:15.

DIRECTOR

rn = 32848 NYSDOH ID # 10320

Analytical results relate to the samples as received by the laboratory.

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. ◦ N. BABYLON, N.Y. 11703 ◦ (631) 422-5777 ◦ FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105789.02 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/14/10
TIME COL'D:*
MATRIX:Water SAMPLE: M1-4 Grab Composite (GWL Influent)

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chloromethane	ug/L	< 1		121810	1	EPA624
Bromomethane	ug/L	< 1		121810	1	EPA624
Vinyl Chloride	ug/L	< 1		121810	1	EPA624
Chloroethane	ug/L	< 1		121810	1	EPA624
Methylene Chloride	ug/L	< 1		121810	1	EPA624
Acetone	ug/L	< 10		121810	10	EPA624
Carbon disulfide	ug/L	< 1		121810	1	EPA624
1,1 Dichloroethene	ug/L	< 1		121810	1	EPA624
1,1 Dichloroethane	ug/L	< 1		121810	1	EPA624
1,2 Dichloroethene	ug/L	< 2		121810	2	EPA624
Chloroform	ug/L	< 1		121810	1	EPA624
1,2 Dichloroethane	ug/L	< 1		121810	1	EPA624
2-Butanone	ug/L	< 10		121810	10	EPA624
111 Trichloroethane	ug/L	< 1		121810	1	EPA624
Carbon Tetrachloride	ug/L	< 1		121810	1	EPA624
Bromodichloromethane	ug/L	< 1		121810	1	EPA624
1,2 Dichloropropane	ug/L	< 1		121810	1	EPA624
c-1,3Dichloropropene	ug/L	< 1		121810	1	EPA624
Trichloroethene	ug/L	< 1		121810	1	EPA624
Chlorodibromomethane	ug/L	< 1		121810	1	EPA624
112 Trichloroethane	ug/L	< 1		121810	1	EPA624
Benzene	ug/L	< 1		121810	1	EPA624
t-1,3Dichloropropene	ug/L	< 1		121810	1	EPA624
Bromoform	ug/L	< 1		121810	1	EPA624
4-Methyl-2-Pentanone	ug/L	< 10		121810	10	EPA624

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by EcoTest Labs.
* Collected at 11:00, 12:15, 13:30, and 14:30.

DIRECTOR

rn = 32849 NYSDOH ID # 10320

Analytical results relate to the samples as received by the laboratory.

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. ▫ N. BABYLON, N.Y. 11703 ◦ (631) 422-5777◦ FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105789.02 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/14/10
TIME COL'D:*
MATRIX:Water SAMPLE: M1-4 Grab Composite (GWL Influent)

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2-Hexanone	ug/L	< 10		121810	10	EPA624
Tetrachloroethene	ug/L	< 1		121810	1	EPA624
Toluene	ug/L	< 1		121810	1	EPA624
1122Tetrachloroethane	ug/L	< 1		121810	1	EPA624
Chlorobenzene	ug/L	21		121810	1	EPA624
Ethyl Benzene	ug/L	< 1		121810	1	EPA624
Styrene	ug/L	< 1		121810	1	EPA624
o Xylene	ug/L	< 1		121810	1	EPA624
m + p Xylene	ug/L	< 2		121810	2	EPA624
Xylene	ug/L	< 3		121810	3	EPA624
ter.ButylMethylEther	ug/L	< 1		121810	1	EPA624
Cyanide as CN	mg/L	< 0.02		121610	0.02	EPA335.4
CN amen.to chlorin.	mg/L	< 0.02		121610	0.02	EPA335.4

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by EcoTest Labs.
* Collected at 11:00, 12:15, 13:30, and 14:30.

DIRECTOR

rn = 32850 NYSDOH ID # 10320

Analytical results relate to the samples as received by the laboratory.

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. ◦ N. BABYLON, N.Y. 11703 ◦ (631) 422-5777◦ FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105789.03 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/14/10
TIME COL'D:1100
MATRIX:Water SAMPLE: M1-11:00-Grab #1

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
pH@lab units		6.9		121610 1049	0.1	S184500HB
Tot Suspended Solids	mg/L	< 10		122210	10	S182540D
Non-polar Material	mg/L	< 5		121710	5	EPA1664

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 32851 NYSDOH ID # 10320

Analytical results relate to the samples as received by the laboratory.

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. ◦ N. BABYLON, N.Y. 11703 ◦ (631) 422-5777◦ FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105789.04 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/14/10
TIME COL'D:1215
MATRIX:Water SAMPLE: M1-12:15-Grab #2

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
pH@lab units		6.9		121610 1052	0.1	S184500HB
Tot Suspended Solids	mg/L	12		122210	10	S182540D
Non-polar Material	mg/L	< 5		121710	5	EPA1664

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 32852 NYSDOH ID # 10320

Analytical results relate to the samples as received by the laboratory.

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. ◦ N. BABYLON, N.Y. 11703 ◦ (631) 422-5777◦ FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105789.05 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/14/10
TIME COL'D:1330
MATRIX:Water SAMPLE: M1-13:30-Grab #3

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
pH@lab units		6.9		121610 1054	0.1	S184500HB
Tot Suspended Solids	mg/L	15		122210	10	S182540D
Non-polar Material	mg/L	< 5		121710	5	EPA1664

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 32853 NYSDOH ID # 10320

Analytical results relate to the samples as received by the laboratory.

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. ◦ N. BABYLON, N.Y. 11703 ◦ (631) 422-5777◦ FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105789.06 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/14/10
TIME COL'D:1430
MATRIX:Water SAMPLE: M1-14:30-Grab #4

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
pH@lab units		6.9		121610 1056	0.1	S184500HB
Tot Suspended Solids	mg/L	14		122210	10	S182540D
Non-polar Material	mg/L	< 5		121710	5	EPA1664

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 32854 NYSDOH ID # 10320

Analytical results relate to the samples as received by the laboratory.

ECO TEST LABORATORIES, INC. • ENVIRONMENTAL TESTING
377 Sheffield Avenue, North Babylon, New York 11703
(631) 422-5777 • FAX (631) 422-5770 • Email: ecotestlab@aol.com

1 of 5184

31

CHAIN OF CUSTODY RECORD

Client: **STRATIS CONTRACTING CORP.**
Address: **7 Corporate Drive**
Peekskill, NY 10566
Phone: **(914) 736-1808** FAX: **(914) 788-6294**
Person receiving report: **Vincent Pelusio**
Sampled by: **E. McLean**
Source: **Pennsylvannia Avenue Landfill**
Job No.: **200903**

NY QA/QC GWL INFLUENT

12/13/10

MATRIX (Water, Soil, etc.)	COLLECTED DATE	COLLECTED TIME	SAMPLE IDENTIFICATION	TOTAL NUMBER OF CONTAINERS	TYPE AND NUMBER OF CONTAINERS: VOC VIALS [HCl]	32 OZ AMBER GLASS [H2SO4] - NON POLAR MATERIAL	32 OZ PLASTIC - NON METLAS - TSS & pH	8 OZ PLASTIC [NaOH] - CN		32 OZ AMBER GLASS PEST. & PCBs	32 OZ AMBER GLASS BASE NEUTRAL EXTRACTABLES	32 AMBER GLASS ACID EXTRACTABLES	32 OZ PLASTIC - NON METALS	16 OZ PLASTIC [H2SO4] - N & COD	8 OZ PLASTIC [HNO3] - METALS			REMARKS – TESTS REQUIRED
Water	12/13/10	11:00	M1 - 11:00 - Grab #1	5	2	1	1	1										TSS, pH, HEM-NPM, CBOD, Chloride,
Water	12/13/10	12:15	M1 - 12:15 - Grab #2	5	2	1	1	1										Cyanide (Total & Amenable), Nitrogen,
Water	12/13/10	13:30	M1 - 13:30 - Grab #3	5	2	1	1	1										VOCs & SVOCs, Benzene, Ethylbenzene,
Water	12/13/10	14:30	M1 - 14:30 - Grab #4	5	2	1	1	1										Xylenes, MTBE, Tetrachloroethylene,
																		Toluene, Naphthalene, Phenols, PCBs
Water			M1 - 24 Hour Composite	7						2	1	1	1	1	1			Metals (Cu, Pb, Hg, Mo, Ni, Ag, Zn)
Start:	12/13/10	11:15																Cadmium, Chromium (Total & Hex),
End:	12/14/10	10:15																
																		(EPA 40 CFR Part 136 approved methods)
																		Temp = 1.1°C

Relinquished by: (Signature)	Date:	SEAL INTACT? YES NO NA	Received by: (Signature)	Relinquished by: (Signature)	Date:	SEAL INTACT? YES NO NA	Received by: (Signature)
Representing: STRATIS	Time: 3:00pm		Representing: STRATIS	Representing: STRATIS	Time: 16:15		Representing:
Relinquished by: (Signature)	Date:	SEAL INTACT? YES NO NA	Received by: (Signature)	Relinquished by: (Signature)	Date:	SEAL INTACT? YES NO NA	Received by: (Signature)
Representing:	Time:		Representing:	Representing:	Time:		Representing:

Appendix C – LFG Inspections

Landfill Gas Management System

LFG-1 Daily Inspections

(October, November and December, 2010)

PENNSYLVANIA AVENUE LANDFILL						Month: **October**					Year: **2010**			**LFG-1**	
		WEATHER				**FLARE TEMPERATURE**							**FLARE STATION**		
DATE	TIME	Weather	Ambient Temp (ºF)	Wind Speed/Direction	Barometric Pressure (in Hg)	Top Flare Temp. (ºF)	Middle Flare Temp. (ºF)	Bottom Flare Temp. (ºF)	Controlling Thermo-couple	Louver Position (% Closed)	Control Temp. (SP)	Control Mode	Flare Inlet Pressure (in WC)	Flame Arrestor Differential Pressure (in WC)	Aux Fuel Pressure (in WC) Natural Gas
1	13:15	Rain	65	21/NNW	29.62	1413	0	1471	Bottom	100	1500	Manual	0.29	0	0
2															
3															
4	13:21	Rain	58	15/NNE	30.09	1468	0	1515	Bottom	88	1500	Auto	0.31	0	0
5	7:42	Rain	55	13/NE	30.00	1459	1543	1503	Bottom	87	1500	Auto	0.14	0	0
6	8:20	Partly Cloudy	57	10/SSW	29.99	1489	0	1500	Bottom	93	1500	Auto	0.23	0	0
7	13:48	Sunny	70	17/W	29.66	1460	0	1481	Bottom	89	1500	Auto	4.70	0	0
8	8:30	Sunny	61	9/W	29.98	1441	0	1491	Bottom	92	1500	Auto	0.50	0.05	0
9															
10															
11	10:13	Sunny	65	8/SW	29.83	1426	1546	1486	Bottom	91	1500	Auto	8.77	0.1	0
12	9:39	Cloudy	60	5/W	29.76	1458	78	1512	Bottom	90	1500	Auto	0.36	0	0
13	8:00	Sunny	50	7/N	30.01	1444	0	1491	Bottom	92	1500	Auto	0.40	0	0
14	8:10	Sunny	58	5/NE	29.98	1467	0	1483	Bottom	89	1500	Auto	0.29	0	0
15	7:50	Cloudy	50			1534	0	1558	Bottom	87	1500	Auto	0.34	0	0
16															
17															
18	9:45	Partly Cloudy	55	14/NW	29.99	1388	0	1508	Bottom	99	1500	Auto	0.37	0.1	0
19	8:40	rain	48	5/E	29.95	1488	0	1495	Bottom	89	1500	Auto	0.28	0	0
20	10:18	Sunny	65	Calm	29.96	1479	0	1520	Bottom	84	1500	Auto	0.23	0	0
21	7:55	Cloudy	49	13/SSW	29.64	1469	0	1495	Bottom	80	1500	Auto	0.26	0	0
22	7:52	Cloudy	52	13/NW	29.95	1466	0	1511	Bottom	91	1500	Auto	0.40	0	0
23															
24															
25	8:33	Sunny	58	5/SSW	30.00	1523	0	1674	Bottom	87	1500	Auto	0.22	0	0
26	7:47	Sunny	62	7/SSW	29.90	1518	0	1549	Bottom	78	1500	Auto	0.41	0	0
27	8:02	Rain	64	14/S	29.90	1484	0	1490	Bottom	77	1500	Auto	0.35	0	0
28	7:41	Sunny	65	6/WSW	29.87	1610	0	1727	Bottom	84	1500	Auto	0.39	0	0
29	7:15	Cloudy	48	9/NNW	29.95	1476	0	1502	Bottom	73	1500	Auto	0.36	0	0
30															
31															

Note: The middle thermocouple is malfunctioning. Original manufacturer went out of business. Perennial Energy recommended a substitute and it has been ordered.

PENNSYLVANIA AVENUE LANDFILL												Month: **October**	Year: **2010**		**LFG-1**
		Process Overview (YIC-1 From Main Menu Screen)										**Flow & Totalizer**			
DATE	TIME	Landfill Vacuum (in WC)	Flow Rate (SCFM)	LFG Oxygen (%)	Blower Current (Amps)	Flare Top Temp. (ºF)	Flare Middle Temp. (ºF)	Flare Bottom Temp. (ºF)	Area LEL (%)	Area #1 LEL	Area #2 LEL	Current Flow (SCFM)	Today's Total Flow (SCF)	Total Flow (SCF)	Yesterday's Flow (SCF)
1	13:15	-9.0	71	0	5.2	1416	0	1477	4	3	4	69	37,179	194,278,384	101,100
2															100,680
3															98,940
4	13:21	-12.2	68	0	5.2	1465	0	1510	4	4	4	71	50,894	194,590,764	99,045
5	7:42	-13.2	70	0	5.1	1459	1543	1499	4	4	4	68	27,926	194,667,171	99,305
6	8:20	-15.1	69	0	5.1	1484	0	1498	3	3	3	69	30,475	194,768,890	99,240
7	13:48	-12.2	67	0	5.1	1457	0	1479	3	2	3	67	24,745	194,857,079	93,851
8	8:30	-13.1	66	0	5.2	1448	0	1491	3	3	3	68	30,795	194,932,987	69,926
9															98,278
10															98,006
11	10:13	-12.4	66	0	5.1	1431	1538	1486	3	2	3	66	16,234	195,213,777	99,000
12	9:39	-17.2	61	0	5.1	1454	78	1510	3	3	4	63	2,195	195,264,197	64,526
13	8:00	-13.7	70	0	5.2	1439	0	1481	3	3	3	68	28,932	195,356,047	65,113
14	8:10	-17.7	66	0	5.1	1466	0	1488	3	3	3	68	30,701	195,456,252	98,436
15	7:50	-12.7	70	0	5.1	1542	0	1517	4	4	4	67	78,477	195,553,547	99,519
16															98,658
17															96,472
18	9:45	-14.7	69	0	5.3	1385	0	1505	3	3	3	67	33,585	195,851,392	97,607
19	8:40	-14.9	67	0	5.2	1488	0	1494	4	4	4	67	30,931	195,944,413	95,606
20	10:18	-14.0	70	0	5.1	1476	0	1518	3	3	3	69	38,029	196,049,444	98,002
21	7:55	-14.1	69	0	5.1	1470	0	1494	4	4	4	70	28,305	196,138,821	99,101
22	7:52	-15.5	68	0	5.3	1469	0	1513	4	3	4	68	28,045	196,237,063	98,502
23															97,435
24															98,854
25	8:33	-21.5	65	0	5.2	1541	0	1681	4	3	4	70	31,170	196,535,130	98,586
26	7:47	-14.4	67	0	5.0	1519	0	1546	4	3	4	67	27,334	196,629,039	97,812
27	8:02	-14.8	67	0	5.0	1483	0	1491	4	4	4	68	28,255	196,726,444	96,484
28	7:41	-14.6	71	0	5.0	1607	0	1730	4	3	4	68	27,254	196,823,752	98,240
29	7:15	-17.2	65	0	5.0	1476	0	1502	4	4	4	68	25,979	196,921,038	98,562
30															99,317
31															100,358
														1-Nov	99,367
														Oct. 2010 Total Flow:	**2,952,828**

PENNSYLVANIA AVENUE LANDFILL		Month: **October**		Year: **2010**									**LFG-1**			
		BLOWER STATION												**Blower Data**			
DATE	TIME	Blower In Service **301** or **302**	Methane (% Vol)	Carbon Dioxide (% Vol)	Oxygen (% Vol)	Balance Gas (% Vol)	Inlet Vacuum (in WC)	Demister Inlet Valve Position (% Open)	Demister Differential Pressure (in WC)	Nitrogen Pressure (psi)	Blower Inlet Valve (% Open)	Blower Inlet Temp. (ºF)	Blower Discharge Temp. (ºF)	Blower **301** Current (**Amps**)	Blower **301** Current (**Hours**)	Blower **302** Current (**Amps**)	Blower **302** Current (**Hours**)
1	13:15	301	20.6	19.1	0.0	60.3	-9.6	10	0	1250	30	80	112	5.2	16825	0	15807
2																	
3																	
4	13:21	301	20.1	19.0	0.5	60.4	-13.4	10	0	1200	30	74	110	5.2	16901	0	15807
5	7:42	301	18.9	17.5	2.8	60.8	-13.7	10	0	1200	30	76	111	5.1	16919	0	15807
6	8:20	301	19.1	18.7	1.2	61.0	-11.6	10	0	1250	30	77	118	5.1	16944	0	15807
7	13:48	301	22.5	19.1	0.0	58.4	-12.6	10	0	1300	30	82	126	5.1	16965	0	15807
8	8:30	301	18.9	18.4	0.2	62.5	-13.4	10	0	1250	30	79	125	5.2	16984	0	15807
9																	
10																	
11	10:13	301	20.6	18.5	0.0	60.9	-4.8	10	0	1200	30	86	121	5.1	17052	0	15807
12	9:39	301	22.3	19.1	0.0	58.6	-12.2	10	0	1200	30	84	122	5.1	17065	0	15807
13	8:00	301	12.7	12.1	8.2	67.0	-13.7	10	0	1175	30	74	114	5.2	17087	0	15807
14	8:10	301	21.5	18.5	0.0	60.0	-13.5	10	0	1200	30	74	120	5.1	17112	0	15807
15	7:50	301	24.5	19.3	0.0	56.2	-14.3	10	0	1200	30	70	110	5.1	17135	0	15807
16																	
17																	
18	9:45	301	21.3	18.4	1.2	59.1	-15.0	10	0	1150	30	78	110	5.3	17208	0	15807
19	8:40	301	23.0	19.0	0.0	58.0	-15.3	10	0	1200	30	72	114	5.2	17231	0	15807
20	10:18	301	23.4	18.8	0.0	57.8	-15.2	10	0	1100	30	78	126	5.1	17257	0	15807
21	7:55	301	25.9	19.0	0.0	55.1	-15.2	10	0	1100	30	70	118	5	17278	0	15807
22	7:52	301	22.6	18.2	0.1	59.1	-16.2	10	0	1100	30	70	110	5.3	17302	0	15807
23																	
24																	
25	8:33	301	25.7	19.3	0.0	55.0	-17.1	10	0	1100	30	74	122	5.1	17375	0	15807
26	7:47	301	26.1	19.7	0.0	54.2	-17.6	10	0	1100	30	76	124	5	17398	0	15807
27	8:02	301	27.2	17.9	0.0	54.9	-16.9	10	0	1100	30	76	120	5	17423	0	15807
28	7:41	301	28.3	17.7	0.0	54.0	-17.2	10	0	1100	30	80	124	5	17446	0	15807
29	7:15	301	27.9	17.9	0.0	54.2	-17.1	10	0	1100	30	72	112	5	17470	0	15807
30																	
31																	

PENNSYLVANIA AVENUE LANDFILL
LANDFILL DAILY OPERATIONS MONTHLY REPORT
Month: OCTOBER 2010

Date		Landfill Gas System			Landfill - Cover & Stormwater Systems, Roads, etc.
		Hours On Line	Flare	LFG Collection - Extraction Wells	
Friday	1-Oct	24	During October, 2,952,828 SCF of landfill gas was processed, and 273,400 SCF of natural gas was consumed to supplement the landfill gas. The flare ran for 96.4% of the time.	All 46 extraction wells were monitored this month.	10/1/10 Took PID Readings from puddles in the vicinity of the DEP parking lot. See attached table.
Weekend	2-Oct	24			
	3-Oct	24		Mowed access to extraction wells. Pumped out water from vaults for inspection.	10/5 - dredging contractor's fork lift went off road by project sign. They repaired damage.
Monday	4-Oct	24			
Tuesday	5-Oct	24			10/14 - Performed inspection and inventory of fence, gates & signs.
Wednesday	6-Oct	22.5	On the 6th at 22:36, the flare tripped on high temp, and was reset on the 7th at 8:49. It was down for 10.2 hours.		
Thursday	7-Oct	15.3			10/19 - Crew repaired the gate between the landfill and 26th Ward WWTP and the hole on the perimeter fence near the gate.
Friday	8-Oct	24			
Weekend	9-Oct	24	On the 11th, the flare was out of service for 5.7 hours, from 2:46 to 8:06, due to a high temp alarm. It tripped again, due to high temp, on the 6th at 21:13. It was reset at 7:58 on the 12th, putting out of service for an additional 10.8 hours.		
	10-Oct	24			10/20 - repaired fence on North East of landfill again.
Monday	11-Oct	15.5			10/26 - Gate to 26th Ward was alright during morning inspection, and off the hinges in the afternoon. Searched for better hardware.
Tuesday	12-Oct	16.0			
Wednesday	13-Oct	24			
Thursday	14-Oct	24			10/28 - re-hung and repaired the gate between Penn and 26th Ward WWTP. This gate had already been repaired on the 19th. Inspected DOT gate for repair and parts needed.
Friday	15-Oct	24	On the 15th, installed the Det-Tronics UV flame sensor that was repaired by the manufacturer.		
Weekend	16-Oct	24			
	17-Oct	24			
Monday	18-Oct	23.6	On Oct. 18th the fire alarm and flare tripped due to a high area UV reading at the sensor that had been repaired. The FDNY responded to the false alarm. The sensor was deactivated to prevent further false alarms. Working on solution with manufacturer's tech.		10/5 - removed the groundwater sampling pumps from the wells. 10/6 - started cleaning and decon of sampling pumps.
Tuesday	19-Oct	24			
Wednesday	20-Oct	24			
Thursday	21-Oct	24			10/7 - mowed area around GWL pumping stations.
Friday	22-Oct	24			10/21 - observed ruts made by landscaper's mower in Zones 9 and 10.
Weekend	23-Oct	24			
	24-Oct	24	10/19 - took photos of UV sensors and what they see to forward to Detronics, along with flare station plans.		10/26 - during monthly landfill inspection, observed that the landscaper mower had left ruts in Zones 9, 10, 11, 12 and 14. These ruts will have to be visited again in the spring to determine if repairs will be necessary.
Monday	25-Oct	24			
Tuesday	26-Oct	24			
Wednesday	27-Oct	24	10/12 - removed the middle thermocouple.		
Thursday	28-Oct	24			10/28 mowed sides of paved road.
Friday	29-Oct	24			
Weekend	30-Oct	24			
	31-Oct	24			

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date	10/1/10	**Time**	13:15
Technician	NS	Wind Speed/Direction	NNW 21 mph
Ambient Temperature (°F)	65	Barometric Pressure (in Hg)	29.62
Weather	Rain	**GEM I.D.**	GM12389

BLOWER STATION				
Blowers Status **301** (circle)	(On)	Off	Demister Inlet Valve Position (% Open)	10
Blowers Status **302** (circle)	On	(Off)	Demister Differential Pressure (in WC)	0
Methane (% Vol)	20.6		Nitrogen Pressure (psi)	1250
Carbon Dioxide (% Vol)	19.1		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0		Blower Inlet Temp. (°F)	90
Balance Gas (% Vol)	60.3		Blower Discharge Temp. (°F)	112
Inlet Vacuum (in WC)	-9.551			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.291	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From ~~Main Menu~~ Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	9.0	Top Flare Temp. (°F)	1413
Flow Rate (SCFM)	71	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1471
Blower Current (Amps)	5.2	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1416	Louver Position (% Closed)	100
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1477	Control Mode	Manual
Area LEL (%)	4		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.2	Current Flow (SCFM)	69
Blower **301** Current **(Hours)**	16825	Today's Total Flow (SCF)	37179
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	194278384
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	101100	Resettable Total Flow (SCF)	83594109
2 Days Ago Flow (SCF)	100477	Reset Time	11:33:3
3 Days Ago Flow (SCF)	101281	Reset Date	11/21/08
4 Days Ago Flow (SCF)	101028		
5 Days Ago Flow (SCF)	99801	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	100375	Area #**1** LEL	3
7 Days Ago Flow (SCF)	100326	Area #**2** LEL	4

Date And Time			
Date	~~9:48:38~~ 1-OCT-10	Time	9:48:38

KEY

°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch

in WC = inches water column
in Hg = inches Mercury
SP = Set Point

SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date	10/4/10	**Time**	1:21 PM
Technician	NS	Wind Speed/Direction	15-25 NNE
Ambient Temperature (°F)	58	Barometric Pressure (in Hg)	30.09
Weather	Rain	**GEM I.D.**	GM09089

BLOWER STATION				
Blowers Status **301** (circle)	(On)	Off	Demister Inlet Valve Position (% Open)	10
Blowers Status **302** (circle)	On	(Off)	Demister Differential Pressure (in WC)	0
Methane (% Vol)	20.1		Nitrogen Pressure (psi)	1200
Carbon Dioxide (% Vol)	19.0		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	9.5		Blower Inlet Temp. (°F)	74
Balance Gas (% Vol)	60.3		Blower Discharge Temp. (°F)	110
Inlet Vacuum (in WC)	-13.425			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.314	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	12.2	Top Flare Temp. (°F)	1468
Flow Rate (SCFM)	68	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1515
Blower Current (Amps)	5.2	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1465	Louver Position (% Closed)	88
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1510	Control Mode	Auto
Area LEL (%)	4		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.2	Current Flow (SCFM)	71
Blower **301** Current **(Hours)**	16901	Today's Total Flow (SCF)	50894
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	194590764
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	99045	Resettable Total Flow (SCF)	83906557
2 Days Ago Flow (SCF)	98940	Reset Time	11:33:3
3 Days Ago Flow (SCF)	100680	Reset Date	11/21/08
4 Days Ago Flow (SCF)	101100		
5 Days Ago Flow (SCF)	100477	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	101281	Area #**1** LEL	4
7 Days Ago Flow (SCF)	101028	Area #**2** LEL	4

Date And Time			
Date	4-OCT-10	Time	13:20:17

KEY

°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch

in WC = inches water column
in Hg = inches Mercury
SP = Set Point

SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date	10/5/10	**Time**	7.42
Technician	RAJ	Wind Speed/Direction	13 NE
Ambient Temperature (°F)	55	Barometric Pressure (in Hg)	30.00
Weather	Showers	**GEM I.D.**	GM09087

BLOWER STATION				
Blowers Status **301** (circle)	On	Off	Demister Inlet Valve Position (% Open)	10
Blowers Status **302** (circle)	On	Off	Demister Differential Pressure (in WC)	0
Methane (% Vol)	18.9		Nitrogen Pressure (psi)	1200
Carbon Dioxide (% Vol)	17.5		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	2.8		Blower Inlet Temp. (°F)	76
Balance Gas (% Vol)	60.7		Blower Discharge Temp. (°F)	111
Inlet Vacuum (in WC)	-13.740			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.136	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	18.2	Top Flare Temp. (°F)	1459
Flow Rate (SCFM)	70	Middle Flare Temp. (°F)	1543
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1503
Blower Current (Amps)	5.1	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1459	Louver Position (% Closed)	87 %
Flare Middle Temp. (°F)	1543	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1499	Control Mode	Auto
Area LEL (%)	4		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.1	Current Flow (SCFM)	68
Blower **301** Current **(Hours)**	16919	Today's Total Flow (SCF)	27926
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	194667171
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	99805	Resettable Total Flow (SCF)	83982465
2 Days Ago Flow (SCF)	99045	Reset Time	11 33 3
3 Days Ago Flow (SCF)	98940	Reset Date	11 21 08
4 Days Ago Flow (SCF)	100680		
5 Days Ago Flow (SCF)	101100	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	100477	Area #1 LEL	4
7 Days Ago Flow (SCF)	101281	Area #2 LEL	4

Date And Time			
Date	5 Oct 10	Time	6 46 01

KEY

°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch

in WC = inches water column
in Hg = inches Mercury
SP = Set Point

SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date	10/6/10	**Time**	8:20
Technician	NS	Wind Speed/Direction	10 SSW
Ambient Temperature (°F)	57	Barometric Pressure (in Hg)	29.99
Weather	Partly Cloudy	**GEM I.D.**	GM 12389

BLOWER STATION				
Blowers Status **301** (circle)	(On)	Off	Demister Inlet Valve Position (% Open)	10
Blowers Status **302** (circle)	On	(Off)	Demister Differential Pressure (in WC)	0
Methane (% Vol)	19.1		Nitrogen Pressure (psi)	1250
Carbon Dioxide (% Vol)	18.7		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	1.2		Blower Inlet Temp. (°F)	77
Balance Gas (% Vol)	61.0		Blower Discharge Temp. (°F)	118
Inlet Vacuum (in WC)	-11.616			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.225	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	15.1	Top Flare Temp. (°F)	1489
Flow Rate (SCFM)	69	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1500
Blower Current (Amps)	5.1	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1484	Louver Position (% Closed)	93
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1498	Control Mode	Auto
Area LEL (%)	3		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.1	Current Flow (SCFM)	69
Blower **301** Current **(Hours)**	16944	Today's Total Flow (SCF)	30475
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	194768890
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	99140	Resettable Total Flow (SCF)	84084615
2 Days Ago Flow (SCF)	99305	Reset Time	11:33:3
3 Days Ago Flow (SCF)	99045	Reset Date	11/21/08
4 Days Ago Flow (SCF)	98940		
5 Days Ago Flow (SCF)	100680	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	101100	Area #**1** LEL	3
7 Days Ago Flow (SCF)	100477	Area #**2** LEL	3

Date And Time			
Date	6-OCT-10	Time	8:21:53

KEY

°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch
in WC = inches water column
in Hg = inches Mercury
SP = Set Point
SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date	10/7/10	**Time**	1 48 PM
Technician	Ray	Wind Speed/Direction	17 W
Ambient Temperature (°F)	70	Barometric Pressure (in Hg)	29.66
Weather	Sunny	**GEM I.D.**	GM12389

BLOWER STATION				
Blowers Status **301** (circle)	On	Off	Demister Inlet Valve Position (% Open)	10
Blowers Status **302** (circle)	On	Off	Demister Differential Pressure (in WC)	0
Methane (% Vol)	22.5		Nitrogen Pressure (psi)	1800
Carbon Dioxide (% Vol)	19.1		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.0		Blower Inlet Temp. (°F)	82
Balance Gas (% Vol)	58.5		Blower Discharge Temp. (°F)	126
Inlet Vacuum (in WC)	-12.573			

FLARE STATION		
Flare Inlet Pressure (in WC)	4.697	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	12.2	Top Flare Temp. (°F)	1460
Flow Rate (SCFM)	67	Middle Flare Temp. (°F)	-
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1481
Blower Current (Amps)	5.1	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1457	Louver Position (% Closed)	89
Flare Middle Temp. (°F)	-	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1479	Control Mode	AUTO
Area LEL (%)	3		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.1	Current Flow (SCFM)	67
Blower **301** Current **(Hours)**	16965	Today's Total Flow (SCF)	24745
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	1 948 570 79
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	93857	Resettable Total Flow (SCF)	84172874
2 Days Ago Flow (SCF)	95240	Reset Time	11 33 3
3 Days Ago Flow (SCF)	99305	Reset Date	11 2108
4 Days Ago Flow (SCF)	98045		
5 Days Ago Flow (SCF)	98940	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	100680	Area #1 LEL	2
7 Days Ago Flow (SCF)	101100	Area #2 LEL	3

Date And Time			
Date	10 7 10	Time	1257-36

KEY

°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch

in WC = inches water column
in Hg = inches Mercury
SP = Set Point

SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date	10/8/10	**Time**	8:30 AM
Technician	MOG	Wind Speed/Direction	9 WEST
Ambient Temperature (°F)	61	Barometric Pressure (in Hg)	29.98
Weather	CLEAR / SUNNY	**GEM I.D.**	

BLOWER STATION				
Blowers Status **301** (circle)	(On)	Off	Demister Inlet Valve Position (% Open)	10
Blowers Status **302** (circle)	On	(Off)	Demister Differential Pressure (in WC)	0
Methane (% Vol)	18.9		Nitrogen Pressure (psi)	1250
Carbon Dioxide (% Vol)	18.4		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.2		Blower Inlet Temp. (°F)	79
Balance Gas (% Vol)	62.4		Blower Discharge Temp. (°F)	125
Inlet Vacuum (in WC)	-13.4			

FLARE STATION		
Flare Inlet Pressure (in WC)	+ 0.497	
Flame Arrestor Differential Pressure (in WC)	0.05	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	-13.1	Top Flare Temp. (°F)	1441
Flow Rate (SCFM)	66	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0.0	Bottom Flare Temp. (°F)	1491
Blower Current (Amps)	5.2	Controlling Thermocouple	BOTTOM
Flare Top Temp. (°F)	1448	Louver Position (% Closed)	92
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1491	Control Mode	Auto
Area LEL (%)	3 (calibrate)		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.2	Current Flow (SCFM)	68
Blower **301** Current **(Hours)**	16984	Today's Total Flow (SCF)	30795
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	194932987
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	69926	Resettable Total Flow (SCF)	84248712
2 Days Ago Flow (SCF)	93851	Reset Time	11:33:03
3 Days Ago Flow (SCF)	99240	Reset Date	11/21/08
4 Days Ago Flow (SCF)	99305		
5 Days Ago Flow (SCF)	99045	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	98940	Area #1 LEL	3
7 Days Ago Flow (SCF)	100680	Area #2 LEL	3

Date And Time			
Date	~~FRIDAY~~ 8 OCT 2010	Time	8:38:15

DETTRONICS UV SENSOR OUT FOR REPAIR. SILENCED TROUBLE SIGNAL

KEY

°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch
in WC = inches water column
in Hg = inches Mercury
SP = Set Point
SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date	10/11/10	**Time**	10:13
Technician	Ron	Wind Speed/Direction	SSW
Ambient Temperature (°F)	65	Barometric Pressure (in Hg)	29.83
Weather	Sunny	**GEM I.D.**	GM12389

BLOWER STATION				
Blowers Status **301** (circle)	(On)	Off	Demister Inlet Valve Position (% Open)	10
Blowers Status **302** (circle)	On	(Off)	Demister Differential Pressure (in WC)	0
Methane (% Vol)	28.6		Nitrogen Pressure (psi)	42 (60)
Carbon Dioxide (% Vol)	18.5		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.0		Blower Inlet Temp. (°F)	86
Balance Gas (% Vol)	68.7		Blower Discharge Temp. (°F)	121
Inlet Vacuum (in WC)	-4.75			

FLARE STATION		
Flare Inlet Pressure (in WC)	8.766	
Flame Arrestor Differential Pressure (in WC)	0.1	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	12.4	Top Flare Temp. (°F)	1426
Flow Rate (SCFM)	66	Middle Flare Temp. (°F)	1546
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1486
Blower Current (Amps)	5.1	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1431	Louver Position (% Closed)	91
Flare Middle Temp. (°F)	1538	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1486	Control Mode	AUTO
Area LEL (%)	3		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.1	Current Flow (SCFM)	66
Blower **301** Current **(Hours)**	17052	Today's Total Flow (SCF)	16234
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	195213777
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	99000	Resettable Total Flow (SCF)	84529631
2 Days Ago Flow (SCF)	98006	Reset Time	11 33 3
3 Days Ago Flow (SCF)	98278	Reset Date	11 21 08
4 Days Ago Flow (SCF)	69926		
5 Days Ago Flow (SCF)	93851	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	99240	Area #1 LEL	2
7 Days Ago Flow (SCF)	99305	Area #2 LEL	3

Date And Time			
Date	10/11/10	Time	9 25 10

KEY

°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch

in WC = inches water column
in Hg = inches Mercury
SP = Set Point

SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date	10/12/10	**Time**	5 39
Technician	RDJ	Wind Speed/Direction	5 W
Ambient Temperature (°F)	60	Barometric Pressure (in Hg)	29.76
Weather	cloudy	**GEM I.D.**	

BLOWER STATION				
Blowers Status **301** (circle)	(On)	Off	Demister Inlet Valve Position (% Open)	10
Blowers Status **302** (circle)	On	(Off)	Demister Differential Pressure (in WC)	0
Methane (% Vol)	22.3		Nitrogen Pressure (psi)	1200
Carbon Dioxide (% Vol)	19.1		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.0		Blower Inlet Temp. (°F)	84
Balance Gas (% Vol)	58.5		Blower Discharge Temp. (°F)	122
Inlet Vacuum (in WC)	-12.241			

FLARE STATION		
Flare Inlet Pressure (in WC)	.362	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	17.2	Top Flare Temp. (°F)	1458
Flow Rate (SCFM)	61	Middle Flare Temp. (°F)	78
LFG Oxygen (%)	0.0	Bottom Flare Temp. (°F)	1512
Blower Current (Amps)	5.1	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1454	Louver Position (% Closed)	90
Flare Middle Temp. (°F)	78	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1510	Control Mode	Auto
Area LEL (%)	3		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.1	Current Flow (SCFM)	63
Blower **301** Current **(Hours)**	17065	Today's Total Flow (SCF)	2195
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	195264197
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	64526	Resettable Total Flow (SCF)	84579883
2 Days Ago Flow (SCF)	99000	Reset Time	11 33 3
3 Days Ago Flow (SCF)	98006	Reset Date	11 21 08
4 Days Ago Flow (SCF)	98278		
5 Days Ago Flow (SCF)	69926	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	93851	Area #1 LEL	3
7 Days Ago Flow (SCF)	99240	Area #2 LEL	4

Date And Time			
Date	10/12/10	Time	8 35 26

KEY

°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch

in WC = inches water column
in Hg = inches Mercury
SP = Set Point

SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date	10/13/10	**Time**	8:00
Technician	NS	Wind Speed/Direction	7 N
Ambient Temperature (°F)	50	Barometric Pressure (in Hg)	30.01
Weather	Sunny/Clear	**GEM I.D.**	GM09087

BLOWER STATION				
Blowers Status **301** (circle)	(On)	Off	Demister Inlet Valve Position (% Open)	10
Blowers Status **302** (circle)	On	(Off)	Demister Differential Pressure (in WC)	0
Methane (% Vol)	12.7		Nitrogen Pressure (psi)	1175
Carbon Dioxide (% Vol)	12.1		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	8.2		Blower Inlet Temp. (°F)	74
Balance Gas (% Vol)			Blower Discharge Temp. (°F)	114
Inlet Vacuum (in WC)	-13.7			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.403	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	-13.7	Top Flare Temp. (°F)	1444
Flow Rate (SCFM)	70	Middle Flare Temp. (°F)	~~1497~~ 0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1491
Blower Current (Amps)	5.2	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1439	Louver Position (% Closed)	92
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1481	Control Mode	Auto
Area LEL (%)	3		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.2	Current Flow (SCFM)	68
Blower **301** Current **(Hours)**	17087	Today's Total Flow (SCF)	28932
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	195356047
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	65713	Resettable Total Flow (SCF)	8467907
2 Days Ago Flow (SCF)	64536	Reset Time	11:33:3
3 Days Ago Flow (SCF)	99000	Reset Date	11/21/08
4 Days Ago Flow (SCF)	98006		
5 Days Ago Flow (SCF)	98278	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	69926	Area #1 LEL	3
7 Days Ago Flow (SCF)	93851	Area #2 LEL	3

Date And Time			
Date	13-OCT-10	Time	8:06:29

KEY

°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch
in WC = inches water column
in Hg = inches Mercury
SP = Set Point
SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date	10/14/10	**Time**	8 10
Technician	RAY	Wind Speed/Direction	
Ambient Temperature (°F)	58	Barometric Pressure (in Hg)	
Weather	SUNNY	**GEM I.D.**	

BLOWER STATION				
Blowers Status **301** (circle)	(On)	Off	Demister Inlet Valve Position (% Open)	10
Blowers Status **302** (circle)	On	(Off)	Demister Differential Pressure (in WC)	0
Methane (% Vol)	21.5		Nitrogen Pressure (psi)	1200
Carbon Dioxide (% Vol)	18.5		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.0		Blower Inlet Temp. (°F)	74
Balance Gas (% Vol)	59.3		Blower Discharge Temp. (°F)	120
Inlet Vacuum (in WC)	-13.532			

FLARE STATION		
Flare Inlet Pressure (in WC)	+.286	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	17.7	Top Flare Temp. (°F)	1467
Flow Rate (SCFM)	66	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1483
Blower Current (Amps)	5.1	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1466	Louver Position (% Closed)	89
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1488	Control Mode	AUTO
Area LEL (%)	3		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.1	Current Flow (SCFM)	68
Blower **301** Current **(Hours)**	17112	Today's Total Flow (SCF)	~~30634~~ 70181 R
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	195456252
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	98436	Resettable Total Flow (SCF)	84772043
2 Days Ago Flow (SCF)	65113	Reset Time	11 33 3
3 Days Ago Flow (SCF)	64526	Reset Date	11 21 08
4 Days Ago Flow (SCF)	99800		
5 Days Ago Flow (SCF)	98006	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	98278	Area #**1** LEL	3
7 Days Ago Flow (SCF)	69926	Area #**2** LEL	3

Date And Time			
Date	10/14/10	Time	7 27 19

KEY

°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch
in WC = inches water column
in Hg = inches Mercury
SP = Set Point
SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date	10/15/10	**Time**	7 50
Technician	RAY	Wind Speed/Direction	
Ambient Temperature (°F)	50	Barometric Pressure (in Hg)	
Weather	CLOUDY	**GEM I.D.**	

BLOWER STATION				
Blowers Status **301** (circle)	(On)	Off	Demister Inlet Valve Position (% Open)	10
Blowers Status **302** (circle)	On	(Off)	Demister Differential Pressure (in WC)	0
Methane (% Vol)	24.5		Nitrogen Pressure (psi)	1200
Carbon Dioxide (% Vol)	19.3		Blower Inlet Valve (% Open)	80
Oxygen (% Vol)	0.0		Blower Inlet Temp. (°F)	70
Balance Gas (% Vol)	56.1		Blower Discharge Temp. (°F)	110
Inlet Vacuum (in WC)	-14.253			

FLARE STATION		
Flare Inlet Pressure (in WC)	+.335	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	12.7	Top Flare Temp. (°F)	1534
Flow Rate (SCFM)	70	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0.0	Bottom Flare Temp. (°F)	1558
Blower Current (Amps)	5.1	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1542	Louver Position (% Closed)	87
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1567	Control Mode	AUTO
Area LEL (%)	4		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.1	Current Flow (SCFM)	67
Blower **301** Current **(Hours)**	17135	Today's Total Flow (SCF)	28477
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	1 955 535 547
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	95518	Resettable Total Flow (SCF)	841869337
2 Days Ago Flow (SCF)	98436	Reset Time	11 33 3
3 Days Ago Flow (SCF)	65113	Reset Date	11 21 08
4 Days Ago Flow (SCF)	64526		
5 Days Ago Flow (SCF)	95000	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	98006	Area #1 LEL	4
7 Days Ago Flow (SCF)	98278	Area #2 LEL	4

Date And Time			
Date	10/15/10	Time	6 52 12

KEY
°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch
in WC = inches water column
in Hg = inches Mercury
SP = Set Point
SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date	10/18/10	**Time**	9:45 AM
Technician	NS	Wind Speed/Direction	14 / NW
Ambient Temperature (°F)	55	Barometric Pressure (in Hg)	29.99
Weather	Partly Cloudy	**GEM I.D.**	GM09087

BLOWER STATION

Blowers Status **301** (circle)	(On)	Off	Demister Inlet Valve Position (% Open)	10
Blowers Status **302** (circle)	On	(Off)	Demister Differential Pressure (in WC)	0
Methane (% Vol)	21.3		Nitrogen Pressure (psi)	1150
Carbon Dioxide (% Vol)	18.4		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	1.2		Blower Inlet Temp. (°F)	78
Balance Gas (% Vol)	~~59.1~~ 59.1		Blower Discharge Temp. (°F)	110
Inlet Vacuum (in WC)	-14.966			

FLARE STATION

Flare Inlet Pressure (in WC)	0.374	
Flame Arrestor Differential Pressure (in WC)	0.1	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	14.7	Top Flare Temp. (°F)	1388
Flow Rate (SCFM)	69	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1508
Blower Current (Amps)	5.3	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1385	Louver Position (% Closed)	99
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1505	Control Mode	Auto
Area LEL (%)	3		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.3	Current Flow (SCFM)	67
Blower **301** Current **(Hours)**	17208	Today's Total Flow (SCF)	33585
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	19585/392
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	97607	Resettable Total Flow (SCF)	85167183
2 Days Ago Flow (SCF)	96472	Reset Time	11:33:3
3 Days Ago Flow (SCF)	98658	Reset Date	11/21/08
4 Days Ago Flow (SCF)	99519		
5 Days Ago Flow (SCF)	98436	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	65113	Area #1 LEL	3
7 Days Ago Flow (SCF)	64526	Area #2 LEL	3

Date And Time			
Date	18-OCT-10	Time	9:45:13

10/18/10 - High UV Alarm - FDNY Responded 9:07

9:07

KEY

°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch

in WC = inches water column
in Hg = inches Mercury
SP = Set Point

SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date	10/19/10	**Time**	8 40
Technician	RW	Wind Speed/Direction	5 E
Ambient Temperature (°F)	48	Barometric Pressure (in Hg)	29.95
Weather	Light Rain	**GEM I.D.**	GM 12389

BLOWER STATION				
Blowers Status **301** (circle)	(On)	Off	Demister Inlet Valve Position (% Open)	10
Blowers Status **302** (circle)	On	(Off)	Demister Differential Pressure (in WC)	0
Methane (% Vol)	23.0		Nitrogen Pressure (psi)	1200
Carbon Dioxide (% Vol)	19.0		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.0		Blower Inlet Temp. (°F)	72
Balance Gas (% Vol)	58.1		Blower Discharge Temp. (°F)	114
Inlet Vacuum (in WC)	-15.295			

FLARE STATION		
Flare Inlet Pressure (in WC)	.277	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	14.9	Top Flare Temp. (°F)	1488
Flow Rate (SCFM)	67	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0.0	Bottom Flare Temp. (°F)	1495
Blower Current (Amps)	5.2	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1488	Louver Position (% Closed)	89
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1494	Control Mode	Auto
Area LEL (%)	4		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.2	Current Flow (SCFM)	67
Blower **301** Current **(Hours)**	17231	Today's Total Flow (SCF)	30931
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	1 85944413
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	95606	Resettable Total Flow (SCF)	85260207
2 Days Ago Flow (SCF)	97607	Reset Time	11 333
3 Days Ago Flow (SCF)	96472	Reset Date	11 21 08
4 Days Ago Flow (SCF)	98658		
5 Days Ago Flow (SCF)	99579	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	98436	Area #1 LEL	4
7 Days Ago Flow (SCF)	65113	Area #2 LEL	4

Date And Time			
Date	10/19/10	Time	7 35 04

KEY

°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch
in WC = inches water column
in Hg = inches Mercury
SP = Set Point
SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date	10/20/10	**Time**	1015
Technician	RAY	Wind Speed/Direction	Calm
Ambient Temperature (°F)	65	Barometric Pressure (in Hg)	29.96
Weather	Sunny	**GEM I.D.**	GM12389

BLOWER STATION				
Blowers Status **301** (circle)	On	Off	Demister Inlet Valve Position (% Open)	10
Blowers Status **302** (circle)	On	Off	Demister Differential Pressure (in WC)	0
Methane (% Vol)	23.4		Nitrogen Pressure (psi)	1100
Carbon Dioxide (% Vol)	18.8		Blower Inlet Valve (% Open)	20
Oxygen (% Vol)	0.0		Blower Inlet Temp. (°F)	78
Balance Gas (% Vol)	57.8		Blower Discharge Temp. (°F)	126
Inlet Vacuum (in WC)	-15.211			

FLARE STATION		
Flare Inlet Pressure (in WC)	1.225	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	14.0	Top Flare Temp. (°F)	1479
Flow Rate (SCFM)	70	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0.0	Bottom Flare Temp. (°F)	1520
Blower Current (Amps)	5.1	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1476	Louver Position (% Closed)	84
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1518	Control Mode	AUTO
Area LEL (%)	3		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.1	Current Flow (SCFM)	69
Blower **301** Current **(Hours)**	17257	Today's Total Flow (SCF)	38029
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	196048444
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	98002	Resettable Total Flow (SCF)	85365305
2 Days Ago Flow (SCF)	95606	Reset Time	11 33 3
3 Days Ago Flow (SCF)	97607	Reset Date	11 21 08
4 Days Ago Flow (SCF)	96472		
5 Days Ago Flow (SCF)	98658	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	99519	Area #1 LEL	3
7 Days Ago Flow (SCF)	98436	Area #2 LEL	3

Date And Time			
Date	10/20/10	Time	9 15 22

KEY

°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch
in WC = inches water column
in Hg = inches Mercury
SP = Set Point
SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date	10/21/10	**Time**	755
Technician	Ray	Wind Speed/Direction	13 SSW
Ambient Temperature (°F)	49	Barometric Pressure (in Hg)	29.64
Weather	Cloudy	**GEM I.D.**	GM12389

BLOWER STATION				
Blowers Status **301** (circle)	On	Off	Demister Inlet Valve Position (% Open)	10
Blowers Status **302** (circle)	On	Off	Demister Differential Pressure (in WC)	0
Methane (% Vol)	25.9		Nitrogen Pressure (psi)	1100
Carbon Dioxide (% Vol)	19.0		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.0		Blower Inlet Temp. (°F)	70
Balance Gas (% Vol)	55.1		Blower Discharge Temp. (°F)	118
Inlet Vacuum (in WC)	-15.215			

FLARE STATION		
Flare Inlet Pressure (in WC)	.259	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	14.1	Top Flare Temp. (°F)	1469
Flow Rate (SCFM)	60	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0.6	Bottom Flare Temp. (°F)	1494
Blower Current (Amps)	5.1	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1470	Louver Position (% Closed)	80
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1494	Control Mode	AUTO
Area LEL (%)	4		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.0	Current Flow (SCFM)	70
Blower **301** Current **(Hours)**	17278	Today's Total Flow (SCF)	28305
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	1961388 21
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	99101	Resettable Total Flow (SCF)	85452613
2 Days Ago Flow (SCF)	98002	Reset Time	11 33 3
3 Days Ago Flow (SCF)	95608	Reset Date	11 21 08
4 Days Ago Flow (SCF)	97607		
5 Days Ago Flow (SCF)	96472	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	98658	Area #1 LEL	4
7 Days Ago Flow (SCF)	99519	Area #2 LEL	4

Date And Time			
Date	10/21/10	Time	6 49 48

KEY
°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch
in WC = inches water column
in Hg = inches Mercury
SP = Set Point
SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date	10/22/10	**Time**	5 52
Technician	RDF	Wind Speed/Direction	13 NW
Ambient Temperature (°F)	52	Barometric Pressure (in Hg)	29.95
Weather	Cloudy - Cool	**GEM I.D.**	GM12389

BLOWER STATION				
Blowers Status **301** (circle)	(On)	Off	Demister Inlet Valve Position (% Open)	10
Blowers Status **302** (circle)	On	Off	Demister Differential Pressure (in WC)	0
Methane (% Vol)	22.6		Nitrogen Pressure (psi)	1100
Carbon Dioxide (% Vol)	18.2		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.1		Blower Inlet Temp. (°F)	70
Balance Gas (% Vol)	59.1		Blower Discharge Temp. (°F)	110
Inlet Vacuum (in WC)	-16-242			

FLARE STATION		
Flare Inlet Pressure (in WC)	4.401	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	15.5	Top Flare Temp. (°F)	1466
Flow Rate (SCFM)	68	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1511
Blower Current (Amps)	5.3	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1469	Louver Position (% Closed)	91
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1513	Control Mode	Auto
Area LEL (%)	4		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.3	Current Flow (SCFM)	68
Blower **301** Current **(Hours)**	17302	Today's Total Flow (SCF)	25045
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	196237063
Blower **302** Current **(Hours)**	15707		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	98502	Resettable Total Flow (SCF)	85532854
2 Days Ago Flow (SCF)	99101	Reset Time	11 33 3
3 Days Ago Flow (SCF)	98002	Reset Date	11 21 08
4 Days Ago Flow (SCF)	95606		
5 Days Ago Flow (SCF)	97607	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	96472	Area #**1** LEL	3
7 Days Ago Flow (SCF)	98658	Area #**2** LEL	4

Date And Time			
Date	10/22/10	Time	6 55 58

KEY

°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch

in WC = inches water column
in Hg = inches Mercury
SP = Set Point

SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date	10/25/10	**Time**	8 33
Technician	RM	Wind Speed/Direction	5 SSW
Ambient Temperature (°F)	58	Barometric Pressure (in Hg)	30.00
Weather	Sunny	**GEM I.D.**	GM 12389

BLOWER STATION				
Blowers Status **301** (circle)	(On)	Off	Demister Inlet Valve Position (% Open)	10
Blowers Status **302** (circle)	On	(Off)	Demister Differential Pressure (in WC)	0
Methane (% Vol)	25.7		Nitrogen Pressure (psi)	1100
Carbon Dioxide (% Vol)	19.3		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.0		Blower Inlet Temp. (°F)	74
Balance Gas (% Vol)	55.0		Blower Discharge Temp. (°F)	122
Inlet Vacuum (in WC)	-17.122			

FLARE STATION		
Flare Inlet Pressure (in WC)	.224	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	21.5	Top Flare Temp. (°F)	1523
Flow Rate (SCFM)	65	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1674
Blower Current (Amps)	5.2	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1541	Louver Position (% Closed)	87
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1681	Control Mode	Auto
Area LEL (%)	4		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.1	Current Flow (SCFM)	70
Blower **301** Current **(Hours)**	17375	Today's Total Flow (SCF)	31170
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	196535130
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	98586	Resettable Total Flow (SCF)	85850922
2 Days Ago Flow (SCF)	98854	Reset Time	11 33 3
3 Days Ago Flow (SCF)	97435	Reset Date	11 21 08
4 Days Ago Flow (SCF)	98502		
5 Days Ago Flow (SCF)	99101	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	98002	Area #1 LEL	3
7 Days Ago Flow (SCF)	95606	Area #2 LEL	4

Date And Time			
Date	10/25/10	Time	7 38 27

KEY

°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch

in WC = inches water column
in Hg = inches Mercury
SP = Set Point

SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date	10/26/10	**Time**	747
Technician	RAJ	Wind Speed/Direction	7 SSW
Ambient Temperature (°F)	62	Barometric Pressure (in Hg)	29.90
Weather	Sunny	**GEM I.D.**	GM18389

BLOWER STATION				
Blowers Status **301** (circle)	(On)	Off	Demister Inlet Valve Position (% Open)	10
Blowers Status **302** (circle)	On	(Off)	Demister Differential Pressure (in WC)	0
Methane (% Vol)	26.1		Nitrogen Pressure (psi)	1100
Carbon Dioxide (% Vol)	19.7		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.0		Blower Inlet Temp. (°F)	76
Balance Gas (% Vol)	54.1		Blower Discharge Temp. (°F)	124
Inlet Vacuum (in WC)	-17.631			

FLARE STATION		
Flare Inlet Pressure (in WC)	.406	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	14.4	Top Flare Temp. (°F)	1518
Flow Rate (SCFM)	67	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1549
Blower Current (Amps)	5.0	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1519	Louver Position (% Closed)	78
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1546	Control Mode	AUTO
Area LEL (%)	4		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.0	Current Flow (SCFM)	67
Blower **301** Current **(Hours)**	17398	Today's Total Flow (SCF)	27334
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	1 96629039
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	97812	Resettable Total Flow (SCF)	85944830
2 Days Ago Flow (SCF)	98586	Reset Time	11 38 3
3 Days Ago Flow (SCF)	98854	Reset Date	11 21 08
4 Days Ago Flow (SCF)	97435		
5 Days Ago Flow (SCF)	98502	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	99101	Area #1 LEL	3
7 Days Ago Flow (SCF)	98002	Area #2 LEL	4

Date And Time			
Date	10/26/10	Time	6 48 17

KEY

°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch

in WC = inches water column
in Hg = inches Mercury
SP = Set Point

SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date	10/27/10	**Time**	802
Technician	RAY	Wind Speed/Direction	145
Ambient Temperature (°F)	64	Barometric Pressure (in Hg)	29.90
Weather	Showers	**GEM I.D.**	GM090087

BLOWER STATION				
Blowers Status **301** (circle)	(On)	Off	Demister Inlet Valve Position (% Open)	10
Blowers Status **302** (circle)	On	(Off)	Demister Differential Pressure (in WC)	0
Methane (% Vol)	27.2		Nitrogen Pressure (psi)	1100
Carbon Dioxide (% Vol)	17.9		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.0		Blower Inlet Temp. (°F)	76
Balance Gas (% Vol)	54.9		Blower Discharge Temp. (°F)	120
Inlet Vacuum (in WC)	-16.861			

FLARE STATION		
Flare Inlet Pressure (in WC)	+1.354	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	14.8	Top Flare Temp. (°F)	1484
Flow Rate (SCFM)	67	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1490
Blower Current (Amps)	5.0	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1483	Louver Position (% Closed)	77
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1491	Control Mode	Auto
Area LEL (%)	4		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.0	Current Flow (SCFM)	68
Blower **301** Current **(Hours)**	17423	Today's Total Flow (SCF)	28255
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	196726444
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	96484	Resettable Total Flow (SCF)	86042238
2 Days Ago Flow (SCF)	97812	Reset Time	11 33 3
3 Days Ago Flow (SCF)	98586	Reset Date	11 21 08
4 Days Ago Flow (SCF)	98554		
5 Days Ago Flow (SCF)	97435	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	96502	Area **#1** LEL	4
7 Days Ago Flow (SCF)	99101	Area **#2** LEL	4

Date And Time			
Date	10/27/10	Time	657-42

KEY

°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch

in WC = inches water column
in Hg = inches Mercury
SP = Set Point

SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date	10/28/10	**Time**	741
Technician	Ray	Wind Speed/Direction	6 WSW
Ambient Temperature (°F)	65	Barometric Pressure (in Hg)	29.87
Weather	Sunny	**GEM I.D.**	

BLOWER STATION

Blowers Status **301** (circle)	(On)	Off	Demister Inlet Valve Position (% Open)		10
Blowers Status **302** (circle)	On	(Off)	Demister Differential Pressure (in WC)		0
Methane (% Vol)	28.3		Nitrogen Pressure (psi)		1100
Carbon Dioxide (% Vol)	17.7		Blower Inlet Valve (% Open)		30
Oxygen (% Vol)	0.0		Blower Inlet Temp. (°F)		80
Balance Gas (% Vol)	54.2		Blower Discharge Temp. (°F)		124
Inlet Vacuum (in WC)	-17.22				

FLARE STATION

Flare Inlet Pressure (in WC)	.387	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	14.6	Top Flare Temp. (°F)	1610
Flow Rate (SCFM)	71	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1727
Blower Current (Amps)	5.0	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1607	Louver Position (% Closed)	84
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1730	Control Mode	AUTO
Area LEL (%)	4		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.0	Current Flow (SCFM)	68
Blower **301** Current **(Hours)**	17446	Today's Total Flow (SCF)	27254
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	1 968 23752
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	98240	Resettable Total Flow (SCF)	86139477
2 Days Ago Flow (SCF)	96484	Reset Time	11 33 3
3 Days Ago Flow (SCF)	97812	Reset Date	11 21 08
4 Days Ago Flow (SCF)	98586		
5 Days Ago Flow (SCF)	98854	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	97435	Area #**1** LEL	3
7 Days Ago Flow (SCF)	98502	Area #**2** LEL	4

Date And Time			
Date	10/28/11	Time	6 37 41

KEY

°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch

in WC = inches water column
in Hg = inches Mercury
SP = Set Point

SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date	10/29/10	**Time**	7 15
Technician	RAY	Wind Speed/Direction	9 NNW
Ambient Temperature (°F)	48	Barometric Pressure (in Hg)	29.95
Weather	Cloudy	**GEM I.D.**	

BLOWER STATION				
Blowers Status **301** (circle)	(On)	Off	Demister Inlet Valve Position (% Open)	10
Blowers Status **302** (circle)	On	(Off)	Demister Differential Pressure (in WC)	0
Methane (% Vol)	27.9		Nitrogen Pressure (psi)	1100
Carbon Dioxide (% Vol)	17.9		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.0		Blower Inlet Temp. (°F)	72
Balance Gas (% Vol)	54.2		Blower Discharge Temp. (°F)	112
Inlet Vacuum (in WC)	17.147			

FLARE STATION		
Flare Inlet Pressure (in WC)	.364	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	17.2	Top Flare Temp. (°F)	1476
Flow Rate (SCFM)	65	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1502
Blower Current (Amps)	5.0	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1476	Louver Position (% Closed)	73
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1502	Control Mode	AUTO
Area LEL (%)	4		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.0	Current Flow (SCFM)	68
Blower **301** Current **(Hours)**	17470	Today's Total Flow (SCF)	25979
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	1 96921038
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	98562	Resettable Total Flow (SCF)	86236880
2 Days Ago Flow (SCF)	98240	Reset Time	11 33 3
3 Days Ago Flow (SCF)	96484	Reset Date	11 21 08
4 Days Ago Flow (SCF)	97812		
5 Days Ago Flow (SCF)	98556	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	98854	Area #**1** LEL	4
7 Days Ago Flow (SCF)	97435	Area #**2** LEL	4

Date And Time			
Date	10/29/10	Time	6 19 43

KEY

°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch
in WC = inches water column
in Hg = inches Mercury
SP = Set Point
SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

10/01/2010 9:49 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1039.9 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

10/04/2010 1:21 PM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1138.5 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

10/05/2010 7:50 AM

PRODUCT INVNTORY SUMMARY

(GROSS VOLUME)

PROD 1 1152.5 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

10/06/2010 8:21 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1168.1 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

10/07/2010 2:01 PM

PRODUCT INVNTORY SUMMARY

(GROSS VOLUME)

PROD 1 1180.3 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

10/08/2010 9:58 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1192.9 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

10/11/2010 10:29 AM

PRODUCT INVNTORY SUMMARY

(GROSS VOLUME)

PROD 1 1230.2 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

10/12/2010 9:39 AM

PRODUCT INVNTORY SUMMARY

(GROSS VOLUME)

PROD 1 1239.1 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

10/13/2010 8:06 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1245.0 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

10/14/2010 8:31 AM

PRODUCT INVNTORY SUMMARY

(GROSS VOLUME)

PROD 1 1250.4 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

10/15/2010 7:56 AM

PRODUCT INVNTORY SUMMARY

(GROSS VOLUME)

PROD 1 1255.1 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

10/18/2010 9:45 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1280.4 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

10/19/2010 8:39 AM

PRODUCT INVNTORY SUMMARY

(GROSS VOLUME)

PROD 1 1291.1 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

10/20/2010 10:19 AM

PRODUCT INVNTORY SUMMARY

(GROSS VOLUME)

PROD 1 1304.4 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

10/21/2010 7:53 AM

PRODUCT INVNTORY SUMMARY

(GROSS VOLUME)

PROD 1 1316.0 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

10/22/2010 7:59 AM

PRODUCT INVNTORY SUMMARY

(GROSS VOLUME)

PROD 1 1328.7 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

10/25/2010 8:42 AM

PRODUCT INVNTORY SUMMARY

(GROSS VOLUME)

PROD 1 1365.5 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

10/26/2010 7:52 AM

PRODUCT INVNTORY SUMMARY

(GROSS VOLUME)

PROD 1 1376.3 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

10/27/2010 8:02 AM

PRODUCT INVNTORY SUMMARY

(GROSS VOLUME)

PROD 1 1386.7 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

10/28/2010 7:41 AM

PRODUCT INVNTORY SUMMARY

(GROSS VOLUME)

PROD 1 1396.4 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

10/29/2010 7:23 AM

PRODUCT INVNTORY SUMMARY

(GROSS VOLUME)

PROD 1 1405.1 GAL

PENNSYLVANIA AVENUE LANDFILL															LFG-1
		WEATHER				**FLARE TEMPERATURE**							**FLARE STATION**		
DATE	TIME	Weather	Ambient Temp (ºF)	Wind Speed / Direction	Barometric Pressure (in Hg)	Top Flare Temp. (ºF)	Middle Flare Temp. (ºF)	Bottom Flare Temp. (ºF)	Controlling Thermo-couple	Louver Position (% Closed)	Control Temp. (SP)	Control Mode	Flare Inlet Pressure (in WC)	Flame Arrestor Differential Pressure (in WC)	Aux Fuel Pressure (in WC) Natural Gas
1	7:46	Sunny	42	15/N	30.29	1455	0	1504	Bottom	75	1500	Auto	0.35	0	0
2	8:43	Sunny	50	12/N	30.49	1472	0	1503	Bottom	73	1500	Auto	0.18	0	0
3	10:30	Sunny	50	4/SW	30.25	1474	0	1490	Bottom	73	1500	Auto	0.23	0	0
4	10:00	Rain	49	15/NE	29.70	1462	0	1493	Bottom	66	1500	Auto	0.23	0	0
5	8:07	Rain	49	7/NNW	29.41	1429	0	1543	Bottom	62	1500	Auto	0.18	0	0
6															
7															
8	6:52	Cloudy	42	23/NW	29.67	1520	0	1554	Bottom	90	1500	Auto	0.32	0	0
9	7:22	Sunny	48	21/N	29.85	1430	0	1484	Bottom	87	1500	Auto	0.30	0	0
10	7:45	Cloudy	50	18/N	30.03	1416	0	1494	Bottom	84	1500	Auto	0.26	0	0
11	8:10	Sunny	49	21/NE	30.38	1453	0	1519	Bottom	82	1500	Auto	0.37	0	0
12	8:06	Sunny	50	10/NNE	30.42	1446	0	1509	Bottom	78	1500	Auto	0.39	0	0
13															
14															
15	8:00	Cloudy	52	5/NE	30.06	1483	0	1498	Bottom	79	1500	Auto	0.38	0	0
16	8:00	Cloudy	51	8/ESE	30.08	1512	1584	1511	Bottom	78	1500	Auto	0.41	0	0
17	8:11	Sunny	54	16/SW	29.55	1441	1509	1433	Middle	75	1500	Auto	0.41	0	0
18	7:30	Sunny	48	10/W	30.08	1434	1499	1425	Middle	78	1500	Auto	0.40	0	0
19	7:30	Sunny	45	14/NNE	30.23	1428	1493	1442	Middle	77	1500	Auto	0.37	0	0
20															
21															
22	11:20	Sunny	55	16/S	30.28	1456	1523	1483	Middle	73	1500	Auto	0.39	0	0
23	14:40	Cloudy	59	13/WSW	29.82	1430	1492	1400	Middle	72	1500	Auto	0.38	0	0
24	8:05	Cloudy	45	23/NNW	30.13	1477	1552	1515	Middle	83	1500	Auto	0.39	0	0
25															
26	10:40	Rain	54	7/WSW	29.58	1441	1504	1427	Middle	73	1500	Auto	0.38	0	0
27															
28															
29	10:00	Sunny	58	Calm	30.58	1412	1478	1414	Middle	75	1500	Auto	0.41	0	0
30	8:57	Cloudy	53	16/SE	30.41	1429	1497	1470	Middle	78	1500	Auto	0.36	0	0

Notes: Flare tripped out due to high temperature at 11 AM on the 4th. It was reset on the 5th at 7:30 AM. Replacement o the middle thermocouple was completed on the 15th. Switched Blowers on the 16th.

PENNSYLVANIA AVENUE LANDFILL		Month: **November**										Year: **2010**		LFG-1
		Process Overview (YIC-1 From Main Menu Screen)										**Flow & Totalizer**		
DATE	TIME	Landfill Vacuum (in WC)	Flow Rate (SCFM)	LFG Oxygen (%)	Blower Current (Amps)	Flare Top Temp. (ºF)	Flare Middle Temp. (ºF)	Flare Bottom Temp. (ºF)	Area LEL (%)	Area #1 LEL	Area #2 LEL	Current Flow (SCFM)	Today's Total Flow (SCF)	Total Flow (SCF)	Yesterday's Flow (SCF)
1	7:46	-17.4	72	0	5.1	1454	0	1504	4	3	3	75	28,644	197,222,677	99,367
2	8:43	-18.3	68	0	5.1	1473	0	1501	4	4	3	70	32,775	197,328,340	101,532
3	10:30	-16.2	74	0	5.0	1476	0	1493	3	3	3	71	41,389	197,440,134	103,180
4	10:00	-17.2	69	0	5.1	1462	0	1496	5	4	5	71	38,699	197,540,963	103,519
5	8:07	-14.4	61	0	5.0	1427	0	1540	4	4	4	62	912	197,550,056	46,880
6															71,221
7															102,353
8	6:52	-14.6	71	0	5.2	1523	0	1561	4	4	4	72	30,424	197,857,826	104,611
9	7:22	-16.2	71	0	5.0	1423	0	1483	4	4	4	74	31,204	197,962,459	103,851
10	7:45	-14.6	73	0	5.1	1416	0	1495	4	4	4	75	34,003	198,069,384	104,201
11	8:10	-14.8	78	0	5.2	1454	0	1519	4	4	3	73	36,499	198,178,161	106,281
12	8:06	-12.8	75	0	5.3	1445	0	1510	4	3	3	76	37,466	198,288,345	109,217
13															111,768
14															113,041
15	8:00	-9.2	83	0	5.3	1484	0	1500	4	4	4	80	38,213	198,628,996	115,095
16	8:00	-7.0	84	0	5.3	1511	1585	1510	5	4	5	82	39,829	198,747,531	116,935
17	8:11	-16.5	89	0	5.2	1441	1508	1427	4	4	4	83	40,874	198,867,514	118,840
18	7:30	-7.2	80	0	5.3	1434	1500	1427	4	4	4	86	37,083	198,883,346	119,705
19	7:30	-7.8	83	0	5.3	1429	1493	1437	4	4	4	83	37,997	199,107,169	122,822
20															124,395
21															124,432
22	11:20	-6.2	88	0	5.4	1455	1520	1482	4	4	4	86	59,524	199,503,241	125,805
23	14:40	-5.9	86	0	5.3	1430	1493	1400	4	4	4	88	76,561	199,646,567	126,289
24	8:05	-7.3	87	0	5.4	1481	1555	1518	4	4	4	88	41,431	199,736,089	124,652
25															124,802
26	10:40	-10.2	84	0	5.2	1440	1502	1426	4	4	4	85	55,683	200,001,839	126,696
27															124,208
28															124,382
29	10:00	-7.0	91	0	5.3	1413	1480	1415	3	3	3	91	54,376	200,375,927	126,805
30	8:57	-7.4	91	0	5.3	1428	1498	1468	4	4	4	86	48,144	200,498,304	128,609
														1-Dec	128,093
														Nov. 2010 Total Flow:	**3,384,220**

PENNSYLVANIA AVENUE LANDFILL		Month: **November**										Year: **2010**				LFG-1
		BLOWER STATION												**Blower Data**			
DATE	TIME	Blower In Service **301** or **302**	Methane (% Vol)	Carbon Dioxide (% Vol)	Oxygen (% Vol)	Balance Gas (% Vol)	Inlet Vacuum (in WC)	Demister Inlet Valve Position (% Open)	Demister Differential Pressure (in WC)	Nitrogen Pressure (psi)	Blower Inlet Valve (% Open)	Blower Inlet Temp. (ºF)	Blower Discharge Temp. (ºF)	Blower **301** Current (**Amps**)	Blower **301** Current (**Hours**)	Blower **302** Current (**Amps**)	Blower **302** Current (**Hours**)
1	7:46	301	26.8	17.6	0.0	55.6	-18.3	10	0	1100	30	64	100	5.1	17542	0	15807
2	8:43	301	27.3	18.2	0.0	54.5	-17.9	10	0	1050	30	66	108	5.1	17567	0	15807
3	10:30	301	28.7	17.5	0.0	53.8	-16.8	10	0	1050	30	70	116	5.0	17593	0	15807
4	10:00	301	30.8	17.9	0.0	51.3	-17.0	10	0	1050	30	66	98	5.1	17617	0	15807
5	8:07	301	33.0	19.2	0.0	47.8	-16.5	10	0	1050	30	79	62	5.0	17619	0	15807
6																	
7																	
8	6:52	301	31.6	16.9	0.0	51.5	-15.4	10	0	1050	30	62	96	5.1	17691	0	15807
9	7:22	301	30.0	18.4	0.0	51.6	-15.5	10	0	1000	30	62	100	5.0	17715	0	15807
10	7:45	301	29.9	18.0	0.0	52.1	-15.1	10	0	1000	30	66	102	5.2	17739	0	15807
11	8:10	301	29.3	18.4	0.0	52.3	-14.0	10	0	1000	30	64	100	5.2	17764	0	15807
12	8:06	301	29.9	17.9	0.0	52.2	-12.4	10	0	1000	30	64	104	5.3	17788	0	15807
13																	
14																	
15	8:00	301	30.7	18.3	0.0	51.0	-8.7	10	0	1000	30	66	110	5.3	17860	0	15807
16	8:00	301	31.1	18.6	0.0	50.3	-7.5	10	0	1000	30	58	110	5.3	17884	0	15807
17	8:11	302	31.8	18.5	0.0	49.7	-6.3	10	0	1000	30	70	108	0	17884	5.2	15831
18	7:30	302	30.4	17.9	0.0	51.7	-7.6	10	0	1000	30	66	114	0	17884	5.3	15854
19	7:30	302	30.5	17.4	0.0	52.1	-7.9	10	0	1000	30	64	100	0	17884	5.3	15878
20																	
21																	
22	11:20	302	30.9	18.3	0.0	50.8	-6.4	10	0	1000	30	68	110	0	17884	5.4	15954
23	14:40	302	32.0	17.9	0.3	49.8	-6.1	10	0	1000	30	69	112	0	17884	5.3	15982
24	8:05	302	30.1	18.1	0.0	51.8	-8.0	10	0	1000	30	60	106	0	17884	5.4	15999
25																	
26	10:40	302	33.1	19.1	0.0	47.8	-7.3	10	0	1000	30	64	104	0	17884	5.2	16050
27																	
28																	
29	10:00	302	30.5	17.4	0.0	52.1	-7.6	10	0	1000	30	60	113	0	17884	5.3	16121
30	8:57	302	31.4	17.8	0.0	50.8	-7.1	10	0	1000	30	60	102	0	17884	5.3	16144

PENNSYLVANIA AVENUE LANDFILL
LANDFILL DAILY OPERATIONS MONTHLY REPORT
Month: NOVEMBER 2010

Date		Landfill Gas System			Landfill - Cover & Stormwater Systems, Roads, etc.
		Hours On Line	Flare	LFG Collection - Extraction Wells	
Monday	1-Nov	24	The flare processed 3,384,220 SCF of landfill gas during the month. The process gas was supplemented with 73,760 SCF of natural gas, and was turned off on November 5th. The flare ran for 97.3% of the time.	All 46 wells were monitored this month.	11/1 - Mowing and clearing by paved road.
Tuesday	2-Nov	24			11/2 - Cut and discarded nuisance tree limbs on perimeter. Completed mowing and clearing sides of paved road.
Wednesday	3-Nov	24		The water in the vaults of extraction wells 37, 42, 43, 44 and 45 was pumped out for inspection.	
Thursday	4-Nov	13.0			
Friday	5-Nov	16.5			11/3 - Inspected holes made by Parks for weekend's tree planting project.
Weekend	6-Nov	24	11/2 - Installed electrical junction box and ran wire on motor for Blower #3.		
	7-Nov	24			11/5 - Inspected the DEP trailer septic tank, at 10'. Installed warning signs on fence.
Monday	8-Nov	24	The flare tripped out on a high temp fault at 11 AM on the 4th. The autodialer failed to call out. The system was reset on the 5th at 7:30 AM; and checked it every two hours to make sure it was operating properly.		
Tuesday	9-Nov	24			11/9 and 10 - Regrading of DEP parking lot to minimize icing conditions.
Wednesday	10-Nov	24			
Thursday	11-Nov	24			11/10 - While performing cover inspections, discovered approximately 30 holes dug for planting trees and left opened.
Friday	12-Nov	24			
Weekend	13-Nov	24	11/9 - pulled the wires for the thermocouple replacement.		
	14-Nov	24			11/17 - Repaired hole in the NE portion of the perimeter fence. Also, repaired the gate located on DOT property, between the landfill and 26th Ward WWTP.
Monday	15-Nov	24	The replacement middle thermocouple was installed on the 12th; and the connection was completed and successfully tested on the 15th.		
Tuesday	16-Nov	24			
Wednesday	17-Nov	24			11/18 - Installed bilingual "No Trespassing" signs on gates and perimeter fence; photos taken.
Thursday	18-Nov	24			
Friday	19-Nov	24	11/16 - Switched operation to Blower No. 302 and temperature control to the middle thermocouple.		
Weekend	20-Nov	24			
	21-Nov	24			
Monday	22-Nov	24	11/12 - Received call from the central monitoring station regarding trouble with the telephone lines. Investigation revealed that the autodialer phone line was also out of service. Put in a work ticket with DEP-OIT.		
Tuesday	23-Nov	24			
Wednesday	24-Nov	24			
Thursday	25-Nov	24	11/15 - Verizon repaired alarm phone lines. One was disconnected at the pole and the other two were disconnected and not properly hooked up at the junction box located adjacent to the GWL plant; issues probably related to work performed at DEP trailer. Service was restored by noon. Making arrangements for Detronics UV sensor repairs.		
Friday	26-Nov	24			
Weekend	27-Nov	24			
	28-Nov	24			
Monday	29-Nov	24	11/17 - Reset and reprogrammed alarm phones.		
Tuesday	30-Nov	24			

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date	11/1/10	**Time**	7 40
Technician	Jay	Wind Speed/Direction	15 N
Ambient Temperature (°F)	42	Barometric Pressure (in Hg)	30.39
Weather	Sunny Clear	**GEM I.D.**	GM1389

BLOWER STATION				
Blowers Status **301** (circle)	On	Off	Demister Inlet Valve Position (% Open)	10
Blowers Status **302** (circle)	On	Off	Demister Differential Pressure (in WC)	0
Methane (% Vol)	26.5		Nitrogen Pressure (psi)	1100
Carbon Dioxide (% Vol)	17.6		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.0		Blower Inlet Temp. (°F)	64
Balance Gas (% Vol)	55.5		Blower Discharge Temp. (°F)	100
Inlet Vacuum (in WC)	+-18.3			

FLARE STATION		
Flare Inlet Pressure (in WC)	.345	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	12.4	Top Flare Temp. (°F)	1453
Flow Rate (SCFM)	72	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1504
Blower Current (Amps)	5.1	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1454	Louver Position (% Closed)	25
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1504	Control Mode	AUTO
Area LEL (%)	4		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.0	Current Flow (SCFM)	75
Blower **301** Current **(Hours)**	17542	Today's Total Flow (SCF)	258644
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	1972226?7
Blower **302** Current **(Hours)**	15507		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	99361	Resettable Total Flow (SCF)	5653472
2 Days Ago Flow (SCF)	100358	Reset Time	11 55 ?
3 Days Ago Flow (SCF)	99317	Reset Date	11 21 08
4 Days Ago Flow (SCF)	98562		
5 Days Ago Flow (SCF)	98240	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	96484	Area #**1** LEL	3
7 Days Ago Flow (SCF)	97812	Area #**2** LEL	3

Date And Time			
Date	11/1/10	Time	6 50

KEY

°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch

in WC = inches water column
in Hg = inches Mercury
SP = Set Point

SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date	11/2/10	**Time**	5 43
Technician	RAY	Wind Speed/Direction	NW
Ambient Temperature (°F)	50	Barometric Pressure (in Hg)	30.49
Weather	Sunny	**GEM I.D.**	GM15389

BLOWER STATION				
Blowers Status **301** (circle)	On	Off	Demister Inlet Valve Position (% Open)	10
Blowers Status **302** (circle)	On	Off	Demister Differential Pressure (in WC)	0
Methane (% Vol)	27.3		Nitrogen Pressure (psi)	10.50
Carbon Dioxide (% Vol)	15.2		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.0		Blower Inlet Temp. (°F)	66
Balance Gas (% Vol)	57.6		Blower Discharge Temp. (°F)	108
Inlet Vacuum (in WC)	-17.83			

FLARE STATION		
Flare Inlet Pressure (in WC)	15	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	18.3	Top Flare Temp. (°F)	1472
Flow Rate (SCFM)	68	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1503
Blower Current (Amps)	5.1	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1473	Louver Position (% Closed)	73
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1501	Control Mode	AUTO
Area LEL (%)	4		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.1	Current Flow (SCFM)	70
Blower **301** Current **(Hours)**	17567	Today's Total Flow (SCF)	32775
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	197328340
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	101532	Resettable Total Flow (SCF)	86644139
2 Days Ago Flow (SCF)	99367	Reset Time	11 33 3
3 Days Ago Flow (SCF)	100538	Reset Date	11 2 08
4 Days Ago Flow (SCF)	99317		
5 Days Ago Flow (SCF)	98562	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	98240	Area #**1** LEL	4
7 Days Ago Flow (SCF)	96484	Area #**2** LEL	5

Date And Time			
Date	11/2/10	Time	7 39 31

KEY

°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch

in WC = inches water column
in Hg = inches Mercury
SP = Set Point

SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date	11/3/10	**Time**	10 30
Technician	KRA	Wind Speed/Direction	4 SW
Ambient Temperature (°F)	50	Barometric Pressure (in Hg)	30.85
Weather	Sunny	**GEM I.D.**	GM12389

BLOWER STATION				
Blowers Status **301** (circle)	On	Off	Demister Inlet Valve Position (% Open)	10
Blowers Status **302** (circle)	On	Off	Demister Differential Pressure (in WC)	0
Methane (% Vol)	28.7		Nitrogen Pressure (psi)	1050
Carbon Dioxide (% Vol)	17.5		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.5		Blower Inlet Temp. (°F)	70
Balance Gas (% Vol)	53.8		Blower Discharge Temp. (°F)	116
Inlet Vacuum (in WC)	-16.539			

FLARE STATION		
Flare Inlet Pressure (in WC)	.226	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	16.2	Top Flare Temp. (°F)	1474
Flow Rate (SCFM)	74	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1490
Blower Current (Amps)	5.0	Controlling Thermocouple	BOTTOM
Flare Top Temp. (°F)	1476	Louver Position (% Closed)	73
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1493	Control Mode	AUTO
Area LEL (%)	3		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.0	Current Flow (SCFM)	71
Blower **301** Current **(Hours)**	12593	Today's Total Flow (SCF)	41389
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	1974 0134
Blower **302** Current **(Hours)**	15507		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	103180	Resettable Total Flow (SCF)	86753928
2 Days Ago Flow (SCF)	101532	Reset Time	11 33
3 Days Ago Flow (SCF)	99367	Reset Date	11 2 10
4 Days Ago Flow (SCF)	100358		
5 Days Ago Flow (SCF)	99317	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	98562	Area #1 LEL	3
7 Days Ago Flow (SCF)	98240	Area #2 LEL	3

Date And Time			
Date	11/3/10	Time	934 47

KEY

°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch

in WC = inches water column
in Hg = inches Mercury
SP = Set Point

SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date	11/4/10	**Time**	10 20
Technician	RAY	Wind Speed/Direction	15 NE
Ambient Temperature (°F)	49	Barometric Pressure (in Hg)	29.70
Weather	Rainy	**GEM I.D.**	GM1338

BLOWER STATION				
Blowers Status **301** (circle)	(On)	Off	Demister Inlet Valve Position (% Open)	10
Blowers Status **302** (circle)	On	(Off)	Demister Differential Pressure (in WC)	0
Methane (% Vol)	30.8		Nitrogen Pressure (psi)	105.0
Carbon Dioxide (% Vol)	17.9		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.0		Blower Inlet Temp. (°F)	66
Balance Gas (% Vol)	51.6		Blower Discharge Temp. (°F)	98
Inlet Vacuum (in WC)	-16.554			

FLARE STATION		
Flare Inlet Pressure (in WC)	.232	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	17.2	Top Flare Temp. (°F)	1462
Flow Rate (SCFM)	69	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0.0	Bottom Flare Temp. (°F)	1493
Blower Current (Amps)	5.1	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1462	Louver Position (% Closed)	66
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1496	Control Mode	Auto
Area LEL (%)	5		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.1	Current Flow (SCFM)	71
Blower **301** Current **(Hours)**	17617	Today's Total Flow (SCF)	38699
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	1975409.63
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	103519	Resettable Total Flow (SCF)	8685760
2 Days Ago Flow (SCF)	103180	Reset Time	11 33 3
3 Days Ago Flow (SCF)	101532	Reset Date	11 21 08
4 Days Ago Flow (SCF)	99367		
5 Days Ago Flow (SCF)	100358	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	99317	Area #1 LEL	4
7 Days Ago Flow (SCF)	98362	Area #2 LEL	5

Date And Time			
Date	11/4/10	Time	9 02 30

KEY

°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch

in WC = inches water column
in Hg = inches Mercury
SP = Set Point

SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date 11/5/10		**Time** 1507	
Technician RM		Wind Speed/Direction	7 NNW
Ambient Temperature (°F)	45	Barometric Pressure (in Hg)	29.41
Weather	Cloudy a Some Rain	**GEM I.D.**	GM12389

BLOWER STATION

Blowers Status **301** (circle)	(On)	Off	Demister Inlet Valve Position (% Open)	10
Blowers Status **302** (circle)	On	(Off)	Demister Differential Pressure (in WC)	0
Methane (% Vol)	33.0		Nitrogen Pressure (psi)	105-0
Carbon Dioxide (% Vol)	19.2		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.0		Blower Inlet Temp. (°F)	79
Balance Gas (% Vol)	47.7		Blower Discharge Temp. (°F)	62
Inlet Vacuum (in WC)	-16.450			

FLARE STATION

Flare Inlet Pressure (in WC)	.182	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	14.4	Top Flare Temp. (°F)	1429
Flow Rate (SCFM)	61	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1743
Blower Current (Amps)	5.0	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1427	Louver Position (% Closed)	91
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1540	Control Mode	Auto
Area LEL (%)	4		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.0	Current Flow (SCFM)	62
Blower **301** Current **(Hours)**	17619	Today's Total Flow (SCF)	912
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	1975500576
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	96880	Resettable Total Flow (SCF)	86865843
2 Days Ago Flow (SCF)	103519	Reset Time	11 33 3
3 Days Ago Flow (SCF)	103150	Reset Date	11 21 08
4 Days Ago Flow (SCF)	101532		
5 Days Ago Flow (SCF)	99367	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	100358	Area #1 LEL	4
7 Days Ago Flow (SCF)	99317	Area #2 LEL	4

Date And Time			
Date	11/5/10	Time	1504 26

KEY

°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch

in WC = inches water column
in Hg = inches Mercury
SP = Set Point

SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date	11/8/10	**Time**	6:52
Technician	KPA	Wind Speed/Direction	23 NW
Ambient Temperature (°F)	42	Barometric Pressure (in Hg)	29.67
Weather	cloudy	**GEM I.D.**	GM10389

BLOWER STATION				
Blowers Status **301** (circle)	(On)	Off	Demister Inlet Valve Position (% Open)	10
Blowers Status **302** (circle)	On	(Off)	Demister Differential Pressure (in WC)	0
Methane (% Vol)	51.6		Nitrogen Pressure (psi)	1050
Carbon Dioxide (% Vol)	16.9		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0		Blower Inlet Temp. (°F)	92
Balance Gas (% Vol)	31.5		Blower Discharge Temp. (°F)	96
Inlet Vacuum (in WC)	-15.363			

FLARE STATION		
Flare Inlet Pressure (in WC)	1521	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	14.6	Top Flare Temp. (°F)	1523
Flow Rate (SCFM)	71	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1554
Blower Current (Amps)	51.2	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1523	Louver Position (% Closed)	25
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1571	Control Mode	Auto
Area LEL (%)	4		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	51.1	Current Flow (SCFM)	72
Blower **301** Current **(Hours)**	17691	Today's Total Flow (SCF)	30124
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	1 97557 820
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	104611	Resettable Total Flow (SCF)	87173623
2 Days Ago Flow (SCF)	102353	Reset Time	11 3 3
3 Days Ago Flow (SCF)	71221	Reset Date	11 21 08
4 Days Ago Flow (SCF)	46580		
5 Days Ago Flow (SCF)	103519	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	103182	Area #**1** LEL	4
7 Days Ago Flow (SCF)	101532	Area #**2** LEL	4

Date And Time			
Date	11/8/10	Time	6:58:35

KEY
°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch
in WC = inches water column
in Hg = inches Mercury
SP = Set Point
SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date	11/9/10	**Time**	7 23
Technician	RSH	Wind Speed/Direction	21 N
Ambient Temperature (°F)	48	Barometric Pressure (in Hg)	29.85
Weather	SUNNY	**GEM I.D.**	

BLOWER STATION

Blowers Status **301** (circle)	(On)	Off	Demister Inlet Valve Position (% Open)	10
Blowers Status **302** (circle)	On	(Off)	Demister Differential Pressure (in WC)	0
Methane (% Vol)	30.2		Nitrogen Pressure (psi)	1000
Carbon Dioxide (% Vol)	18.4		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.0		Blower Inlet Temp. (°F)	62
Balance Gas (% Vol)	51.6		Blower Discharge Temp. (°F)	100
Inlet Vacuum (in WC)	-15.54			

FLARE STATION

Flare Inlet Pressure (in WC)	.256	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	16.2	Top Flare Temp. (°F)	1430
Flow Rate (SCFM)	71	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1454
Blower Current (Amps)	51.0	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1423	Louver Position (% Closed)	57
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1453	Control Mode	AUTO
Area LEL (%)	4		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	51.0	Current Flow (SCFM)	74
Blower **301** Current **(Hours)**	17715	Today's Total Flow (SCF)	31204
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	197624594
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	103551	Resettable Total Flow (SCF)	87278329
2 Days Ago Flow (SCF)	104611	Reset Time	11 33 3
3 Days Ago Flow (SCF)	102353	Reset Date	11 21 08
4 Days Ago Flow (SCF)	71221		
5 Days Ago Flow (SCF)	46856	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	103519	Area #1 LEL	4
7 Days Ago Flow (SCF)	103156	Area #2 LEL	4

Date And Time			
Date	11/9/10	Time	7 18 17

KEY

°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch

in WC = inches water column
in Hg = inches Mercury
SP = Set Point

SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date	11/10/10	**Time**	7 45
Technician	RAY	Wind Speed/Direction	18 N
Ambient Temperature (°F)	50	Barometric Pressure (in Hg)	30.03
Weather	Cloudy	**GEM I.D.**	

BLOWER STATION

Blowers Status **301** (circle)	(On)	Off	Demister Inlet Valve Position (% Open)	10
Blowers Status **302** (circle)	On	(Off)	Demister Differential Pressure (in WC)	0
Methane (% Vol)	29.9		Nitrogen Pressure (psi)	1000
Carbon Dioxide (% Vol)	18.6		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0		Blower Inlet Temp. (°F)	66
Balance Gas (% Vol)	52.3		Blower Discharge Temp. (°F)	102
Inlet Vacuum (in WC)	-15.11			

FLARE STATION

Flare Inlet Pressure (in WC)	.262	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	14.6	Top Flare Temp. (°F)	1416
Flow Rate (SCFM)	73	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1494
Blower Current (Amps)	5.1	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1416	Louver Position (% Closed)	84
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1495	Control Mode	Auto
Area LEL (%)	4		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.2	Current Flow (SCFM)	75
Blower **301** Current **(Hours)**	17739	Today's Total Flow (SCF)	34003
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	1 9804 9384
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	104201	Resettable Total Flow (SCF)	8738 5782
2 Days Ago Flow (SCF)	103857	Reset Time	11 33 3
3 Days Ago Flow (SCF)	104611	Reset Date	11 21 08
4 Days Ago Flow (SCF)	102353		
5 Days Ago Flow (SCF)	71221	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	46880	Area #1 LEL	4
7 Days Ago Flow (SCF)	103579	Area #2 LEL	4

Date And Time			
Date	11/10/10	Time	7 45

KEY

°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch

in WC = inches water column
in Hg = inches Mercury
SP = Set Point

SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date	11/11/10	**Time**	8 10
Technician	RAY	Wind Speed/Direction	21 NE
Ambient Temperature (°F)	45	Barometric Pressure (in Hg)	~~30.3~~ 30.38
Weather	Sunny - Clear	**GEM I.D.**	

BLOWER STATION				
Blowers Status **301** (circle)	(On)	Off	Demister Inlet Valve Position (% Open)	10
Blowers Status **302** (circle)	On	(Off)	Demister Differential Pressure (in WC)	0
Methane (% Vol)	29.3		Nitrogen Pressure (psi)	1000
Carbon Dioxide (% Vol)	15.4		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.0		Blower Inlet Temp. (°F)	64
Balance Gas (% Vol)	52.4		Blower Discharge Temp. (°F)	100
Inlet Vacuum (in WC)	-14.045			

FLARE STATION		
Flare Inlet Pressure (in WC)	.365	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	14.8	Top Flare Temp. (°F)	1453
Flow Rate (SCFM)	78	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1519
Blower Current (Amps)	51.2	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1454	Louver Position (% Closed)	82
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1519	Control Mode	Auto
Area LEL (%)	4		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	51.2	Current Flow (SCFM)	73
Blower **301** Current **(Hours)**	17764	Today's Total Flow (SCF)	36499
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	148178161
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	106281	Resettable Total Flow (SCF)	8749396
2 Days Ago Flow (SCF)	104201	Reset Time	11 33 3
3 Days Ago Flow (SCF)	103551	Reset Date	11 21 08
4 Days Ago Flow (SCF)	104611		
5 Days Ago Flow (SCF)	102253	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	71221	Area **#1** LEL	4
7 Days Ago Flow (SCF)	46880	Area **#2** LEL	3

Date And Time			
Date	11/11/10	Time	806

KEY

°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch

in WC = inches water column
in Hg = inches Mercury
SP = Set Point

SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date	11/12/10	**Time**	8 04
Technician		Wind Speed/Direction	10 NNE
Ambient Temperature (°F)	50	Barometric Pressure (in Hg)	30.42
Weather	Sunny Clear	**GEM I.D.**	

BLOWER STATION				
Blowers Status **301** (circle)	(On)	Off	Demister Inlet Valve Position (% Open)	10
Blowers Status **302** (circle)	On	(Off)	Demister Differential Pressure (in WC)	0
Methane (% Vol)	29.9		Nitrogen Pressure (psi)	1000
Carbon Dioxide (% Vol)	17.9		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.0		Blower Inlet Temp. (°F)	64
Balance Gas (% Vol)	52.1		Blower Discharge Temp. (°F)	104
Inlet Vacuum (in WC)	-12,440			

FLARE STATION		
Flare Inlet Pressure (in WC)	.390	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	12.8	Top Flare Temp. (°F)	1446
Flow Rate (SCFM)	75	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1509
Blower Current (Amps)	5.3	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1445	Louver Position (% Closed)	78
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1510	Control Mode	Auto
Area LEL (%)	4		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.3	Current Flow (SCFM)	76
Blower **301** Current **(Hours)**	17788	Today's Total Flow (SCF)	37466
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	1982 88345
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	109217	Resettable Total Flow (SCF)	8760 41147
2 Days Ago Flow (SCF)	106281	Reset Time	11 33 3
3 Days Ago Flow (SCF)	104201	Reset Date	11 21 08
4 Days Ago Flow (SCF)	103851		
5 Days Ago Flow (SCF)	104611	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	102253	Area #1 LEL	3
7 Days Ago Flow (SCF)	71221	Area #2 LEL	3

Date And Time			
Date	11/12/10	Time	8 05 54

KEY

°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch
in WC = inches water column
in Hg = inches Mercury
SP = Set Point
SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date	11/15/10	**Time**	8 00
Technician	RAJ	Wind Speed/Direction	5 NE
Ambient Temperature (°F)	52	Barometric Pressure (in Hg)	30.06
Weather	cloudy	**GEM I.D.**	

BLOWER STATION

Blowers Status **301** (circle)	(On)	Off	Demister Inlet Valve Position (% Open)	10
Blowers Status **302** (circle)	On	(Off)	Demister Differential Pressure (in WC)	0
Methane (% Vol)	30.7		Nitrogen Pressure (psi)	1000
Carbon Dioxide (% Vol)	18.3		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.0		Blower Inlet Temp. (°F)	66
Balance Gas (% Vol)	50.9		Blower Discharge Temp. (°F)	110
Inlet Vacuum (in WC)	-8.748			

FLARE STATION

Flare Inlet Pressure (in WC)	.383	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	9.2	Top Flare Temp. (°F)	1485
Flow Rate (SCFM)	53	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1498
Blower Current (Amps)	53	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1484	Louver Position (% Closed)	76
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1500	Control Mode	AUTO
Area LEL (%)	4		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	53	Current Flow (SCFM)	50
Blower **301** Current **(Hours)**	17860	Today's Total Flow (SCF)	38213
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	198628596
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	115095	Resettable Total Flow (SCF)	87944801
2 Days Ago Flow (SCF)	113041	Reset Time	11 33 3
3 Days Ago Flow (SCF)	111768	Reset Date	11 21 08
4 Days Ago Flow (SCF)	109278		
5 Days Ago Flow (SCF)	106281	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	104201	Area #1 LEL	4
7 Days Ago Flow (SCF)	103851	Area #2 LEL	4

Date And Time			
Date	11/15/10	Time	7-54-18

KEY

°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch

in WC = inches water column
in Hg = inches Mercury
SP = Set Point

SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date	11/16/10	**Time**	1400
Technician	Ray	Wind Speed/Direction	8 ESE
Ambient Temperature (°F)	57	Barometric Pressure (in Hg)	30.08
Weather	Cloudy	**GEM I.D.**	

BLOWER STATION				
Blowers Status **301** (circle)	(On)	Off	Demister Inlet Valve Position (% Open)	10
Blowers Status **302** (circle)	On	(Off)	Demister Differential Pressure (in WC)	0
Methane (% Vol)	31.1		Nitrogen Pressure (psi)	1000
Carbon Dioxide (% Vol)	18.6		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.0		Blower Inlet Temp. (°F)	58
Balance Gas (% Vol)	50.3		Blower Discharge Temp. (°F)	110
Inlet Vacuum (in WC)	-7.502			

FLARE STATION		
Flare Inlet Pressure (in WC)	14.14	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (Y1C-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	7.0	Top Flare Temp. (°F)	1512
Flow Rate (SCFM)	84	Middle Flare Temp. (°F)	1584
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1511
Blower Current (Amps)	5.3	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1511	Louver Position (% Closed)	78
Flare Middle Temp. (°F)	1585	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1510	Control Mode	Auto
Area LEL (%)	5		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.3	Current Flow (SCFM)	82
Blower **301** Current **(Hours)**	17884	Today's Total Flow (SCF)	39829
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	158747081
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	116935	Resettable Total Flow (SCF)	88063439
2 Days Ago Flow (SCF)	115095	Reset Time	11 33 3
3 Days Ago Flow (SCF)	113041	Reset Date	11 21 08
4 Days Ago Flow (SCF)	111768		
5 Days Ago Flow (SCF)	106217	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	106281	Area #**1** LEL	4
7 Days Ago Flow (SCF)	104201	Area #**2** LEL	5

Date And Time			
Date	11/16/10	Time	8 05 44

KEY

°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch

in WC = inches water column
in Hg = inches Mercury
SP = Set Point

SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date	11/17/10	**Time**	8:11
Technician	RAY	Wind Speed/Direction	16 SW
Ambient Temperature (°F)	54	Barometric Pressure (in Hg)	29.55
Weather	Sunny Clear	**GEM I.D.**	

BLOWER STATION				
Blowers Status **301** (circle)	On	(Off)	Demister Inlet Valve Position (% Open)	10
Blowers Status **302** (circle)	(On)	Off	Demister Differential Pressure (in WC)	0
Methane (% Vol)	31.8		Nitrogen Pressure (psi)	1000
Carbon Dioxide (% Vol)	18.5		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.0		Blower Inlet Temp. (°F)	70
Balance Gas (% Vol)	49.7		Blower Discharge Temp. (°F)	105
Inlet Vacuum (in WC)	-6.309			

FLARE STATION		
Flare Inlet Pressure (in WC)	.411	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	16.5	Top Flare Temp. (°F)	1411
Flow Rate (SCFM)	89	Middle Flare Temp. (°F)	1509
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1433
Blower Current (Amps)	5.2	Controlling Thermocouple	Middle
Flare Top Temp. (°F)	1411	Louver Position (% Closed)	75
Flare Middle Temp. (°F)	1508	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1427	Control Mode	AUTO
Area LEL (%)	4		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0	Current Flow (SCFM)	83
Blower **301** Current **(Hours)**	17884	Today's Total Flow (SCF)	40574
Blower **302** Current **(Amps)**	5.2	Total Flow (SCF)	1988675 14
Blower **302** Current **(Hours)**	15831		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	115840	Resettable Total Flow (SCF)	88183322
2 Days Ago Flow (SCF)	116935	Reset Time	11 33 3
3 Days Ago Flow (SCF)	115095	Reset Date	11 21 08
4 Days Ago Flow (SCF)	113041		
5 Days Ago Flow (SCF)	111768	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	109217	Area #1 LEL	4
7 Days Ago Flow (SCF)	106281	Area #2 LEL	4

Date And Time			
Date	11/17/10	Time	8:13:15

KEY
°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch

in WC = inches water column
in Hg = inches Mercury
SP = Set Point

SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date	11/18/10	**Time**	7 30
Technician	RAJ	Wind Speed/Direction	10 W
Ambient Temperature (°F)	48	Barometric Pressure (in Hg)	30.08
Weather	SUNNY CLEAR	**GEM I.D.**	

BLOWER STATION

Blowers Status **301** (circle)	On	(Off)	Demister Inlet Valve Position (% Open)	10
Blowers Status **302** (circle)	(On)	Off	Demister Differential Pressure (in WC)	0
Methane (% Vol)	30.4		Nitrogen Pressure (psi)	100
Carbon Dioxide (% Vol)	17.9		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.0		Blower Inlet Temp. (°F)	68
Balance Gas (% Vol)	51.9		Blower Discharge Temp. (°F)	114
Inlet Vacuum (in WC)	-7.564			

FLARE STATION

Flare Inlet Pressure (in WC)	.399	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	2.2	Top Flare Temp. (°F)	1434
Flow Rate (SCFM)	50	Middle Flare Temp. (°F)	1499
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1425
Blower Current (Amps)	5.3	Controlling Thermocouple	Middle
Flare Top Temp. (°F)	1434	Louver Position (% Closed)	75
Flare Middle Temp. (°F)	1500	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1427	Control Mode	Auto
Area LEL (%)	4		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0	Current Flow (SCFM)	56
Blower **301** Current **(Hours)**	17554	Today's Total Flow (SCF)	32083
Blower **302** Current **(Amps)**	5.3	Total Flow (SCF)	1 995 83346
Blower **302** Current **(Hours)**	15854		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	119705	Resettable Total Flow (SCF)	88299157
2 Days Ago Flow (SCF)	115840	Reset Time	11 33 3
3 Days Ago Flow (SCF)	116535	Reset Date	11 21 08
4 Days Ago Flow (SCF)	115095		
5 Days Ago Flow (SCF)	113041	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	111768	Area #**1** LEL	4
7 Days Ago Flow (SCF)	109217	Area #**2** LEL	4

Date And Time			
Date	11/18/10	Time	7 17 27

KEY

°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch
in WC = inches water column
in Hg = inches Mercury
SP = Set Point
SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date	11/19/20	**Time**	735
Technician	RAL	Wind Speed/Direction	14 NNE
Ambient Temperature (°F)	45	Barometric Pressure (in Hg)	30.23
Weather	Sunny	**GEM I.D.**	

BLOWER STATION

Blowers Status **301** (circle)	On	(Off)	Demister Inlet Valve Position (% Open)	10
Blowers Status **302** (circle)	(On)	Off	Demister Differential Pressure (in WC)	0
Methane (% Vol)	30.5		Nitrogen Pressure (psi)	1000
Carbon Dioxide (% Vol)	17.4		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.0		Blower Inlet Temp. (°F)	64
Balance Gas (% Vol)	52.1		Blower Discharge Temp. (°F)	100
Inlet Vacuum (in WC)	-7.923			

FLARE STATION

Flare Inlet Pressure (in WC)	.374	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	7.8	Top Flare Temp. (°F)	1428
Flow Rate (SCFM)	83	Middle Flare Temp. (°F)	1493
LFG Oxygen (%)	0.0	Bottom Flare Temp. (°F)	1442
Blower Current (Amps)	5.3	Controlling Thermocouple	middle
Flare Top Temp. (°F)	1424	Louver Position (% Closed)	77
Flare Middle Temp. (°F)	1493	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1437	Control Mode	AUTO
Area LEL (%)	4		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0	Current Flow (SCFM)	83
Blower **301** Current **(Hours)**	17414	Today's Total Flow (SCF)	37997
Blower **302** Current **(Amps)**	5.3	Total Flow (SCF)	194107169
Blower **302** Current **(Hours)**	15578		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	122422	Resettable Total Flow (SCF)	84422979
2 Days Ago Flow (SCF)	119705	Reset Time	11 33 3
3 Days Ago Flow (SCF)	118540	Reset Date	11 21 08
4 Days Ago Flow (SCF)	116935		
5 Days Ago Flow (SCF)	115095	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	113041	Area #1 LEL	4
7 Days Ago Flow (SCF)	111768	Area #2 LEL	4

Date And Time

Date	11/19/20	Time	7 25 41

KEY

°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch

in WC = inches water column
in Hg = inches Mercury
SP = Set Point

SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date	11/22/10	**Time**	1120
Technician	RM	Wind Speed/Direction	165
Ambient Temperature (°F)	55	Barometric Pressure (in Hg)	30.28
Weather	Sunny	**GEM I.D.**	

BLOWER STATION			
Blowers Status **301** (circle)	On (Off)	Demister Inlet Valve Position (% Open)	10
Blowers Status **302** (circle)	(On) ~~Off~~	Demister Differential Pressure (in WC)	0
Methane (% Vol)	30.9	Nitrogen Pressure (psi)	1000
Carbon Dioxide (% Vol)	18.3	Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.0	Blower Inlet Temp. (°F)	65
Balance Gas (% Vol)	50.8	Blower Discharge Temp. (°F)	110
Inlet Vacuum (in WC)	-6.441		

FLARE STATION		
Flare Inlet Pressure (in WC)	.392	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	6.2	Top Flare Temp. (°F)	1456
Flow Rate (SCFM)	88	Middle Flare Temp. (°F)	1523
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1483
Blower Current (Amps)	5.4	Controlling Thermocouple	MIDDLE
Flare Top Temp. (°F)	1455	Louver Position (% Closed)	73
Flare Middle Temp. (°F)	1520	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1482	Control Mode	AUTO
Area LEL (%)	4		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0	Current Flow (SCFM)	86
Blower **301** Current **(Hours)**	17884	Today's Total Flow (SCF)	55524
Blower **302** Current **(Amps)**	3.4	Total Flow (SCF)	199503241
Blower **302** Current **(Hours)**	15954		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	125805	Resettable Total Flow (SCF)	88819053
2 Days Ago Flow (SCF)	124432	Reset Time	11333
3 Days Ago Flow (SCF)	124395	Reset Date	11 21 08
4 Days Ago Flow (SCF)	122822		
5 Days Ago Flow (SCF)	119705	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	118840	Area #1 LEL	4
7 Days Ago Flow (SCF)	116937	Area #2 LEL	4

Date And Time			
Date	11/22/10	Time	11 17 34

KEY

°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch

in WC = inches water column
in Hg = inches Mercury
SP = Set Point

SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date	11/23/10	**Time**	14:40
Technician	NS	Wind Speed/Direction	13 WSW
Ambient Temperature (°F)	59	Barometric Pressure (in Hg)	29.82
Weather	cloudy	**GEM I.D.**	GM09087

BLOWER STATION				
Blowers Status **301** (circle)	On	(Off)	Demister Inlet Valve Position (% Open)	10
Blowers Status **302** (circle)	(On)	Off	Demister Differential Pressure (in WC)	0
Methane (% Vol)	32.0		Nitrogen Pressure (psi)	1000
Carbon Dioxide (% Vol)	17.9		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.3		Blower Inlet Temp. (°F)	69
Balance Gas (% Vol)	49.8		Blower Discharge Temp. (°F)	112
Inlet Vacuum (in WC)	-6.144			

FLARE STATION		
Flare Inlet Pressure (in WC)	+ 0.375	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	5.9	Top Flare Temp. (°F)	1430
Flow Rate (SCFM)	86	Middle Flare Temp. (°F)	1492
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1400
Blower Current (Amps)	5.3	Controlling Thermocouple	Middle
Flare Top Temp. (°F)	1430	Louver Position (% Closed)	72
Flare Middle Temp. (°F)	1493	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1400	Control Mode	Auto
Area LEL (%)	4		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0	Current Flow (SCFM)	88
Blower **301** Current **(Hours)**	17844	Today's Total Flow (SCF)	76561
Blower **302** Current **(Amps)**	5.3	Total Flow (SCF)	199646567
Blower **302** Current **(Hours)**	15982		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	136289	Resettable Total Flow (SCF)	88962374
2 Days Ago Flow (SCF)	125805	Reset Time	11:33:5
3 Days Ago Flow (SCF)	124432	Reset Date	11/21/08
4 Days Ago Flow (SCF)	124395		
5 Days Ago Flow (SCF)	122822	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	119705	Area #1 LEL	4
7 Days Ago Flow (SCF)	118840	Area #2 LEL	4

Date And Time			
Date	23-NOV-10	Time	14:41:12

3750900 Comp 4473749 dwg

KEY
°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch

in WC = inches water column
in Hg = inches Mercury
SP = Set Point

SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date	11/24/10	**Time**	8 05
Technician	RAJ	Wind Speed/Direction	23 NNW
Ambient Temperature (°F)	45	Barometric Pressure (in Hg)	30.13
Weather	Partly cloudy	**GEM I.D.**	

BLOWER STATION				
Blowers Status **301** (circle)	On	Off	Demister Inlet Valve Position (% Open)	.0
Blowers Status **302** (circle)	On	Off	Demister Differential Pressure (in WC)	
Methane (% Vol)	34.1		Nitrogen Pressure (psi)	10
Carbon Dioxide (% Vol)	16.1		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	6.6		Blower Inlet Temp. (°F)	60
Balance Gas (% Vol)	57.5		Blower Discharge Temp. (°F)	106
Inlet Vacuum (in WC)	-7.55			

FLARE STATION		
Flare Inlet Pressure (in WC)	.34	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	2.3	Top Flare Temp. (°F)	1477
Flow Rate (SCFM)	57	Middle Flare Temp. (°F)	1552
LFG Oxygen (%)	6	Bottom Flare Temp. (°F)	1515
Blower Current (Amps)	57.4	Controlling Thermocouple	Middle
Flare Top Temp. (°F)	1481	Louver Position (% Closed)	53
Flare Middle Temp. (°F)	1556	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1518	Control Mode	AUTO
Area LEL (%)	4		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0	Current Flow (SCFM)	58
Blower **301** Current **(Hours)**	17584	Today's Total Flow (SCF)	4114131
Blower **302** Current **(Amps)**	57.4	Total Flow (SCF)	149736059
Blower **302** Current **(Hours)**	15999		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	124652	Resettable Total Flow (SCF)	5705178
2 Days Ago Flow (SCF)	126255	Reset Time	4 33 3
3 Days Ago Flow (SCF)	125407	Reset Date	11 21 08
4 Days Ago Flow (SCF)	124432		
5 Days Ago Flow (SCF)	122315	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	122222	Area #1 LEL	4
7 Days Ago Flow (SCF)	119705	Area #2 LEL	4

Date And Time			
Date	11/24/10	Time	8 07 47

KEY
°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch
in WC = inches water column
in Hg = inches Mercury
SP = Set Point
SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date	11/26/10	**Time**	10:40
Technician	NS	Wind Speed/Direction	7 WSW
Ambient Temperature (°F)	54	Barometric Pressure (in Hg)	29.58
Weather	Overcast / Rain	**GEM I.D.**	GM09087

BLOWER STATION				
Blowers Status **301** (circle)	On	(Off)	Demister Inlet Valve Position (% Open)	10
Blowers Status **302** (circle)	(On)	Off	Demister Differential Pressure (in WC)	0
Methane (% Vol)	33.1		Nitrogen Pressure (psi)	1000
Carbon Dioxide (% Vol)	19.1		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0		Blower Inlet Temp. (°F)	64
Balance Gas (% Vol)	47.6		Blower Discharge Temp. (°F)	104
Inlet Vacuum (in WC)	-7.3			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.381	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (Y1C-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	12.2	Top Flare Temp. (°F)	1441
Flow Rate (SCFM)	84	Middle Flare Temp. (°F)	1504
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1427
Blower Current (Amps)	5.2	Controlling Thermocouple	Middle
Flare Top Temp. (°F)	1440	Louver Position (% Closed)	73
Flare Middle Temp. (°F)	1502	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1436	Control Mode	Auto
Area LEL (%)	4		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0	Current Flow (SCFM)	85
Blower **301** Current **(Hours)**	17884	Today's Total Flow (SCF)	55683
Blower **302** Current **(Amps)**	5.2	Total Flow (SCF)	200920839
Blower **302** Current **(Hours)**	16050		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	136696	Resettable Total Flow (SCF)	89317644
2 Days Ago Flow (SCF)	134804	Reset Time	11:33:3
3 Days Ago Flow (SCF)	134652	Reset Date	11/21/08
4 Days Ago Flow (SCF)	136289		
5 Days Ago Flow (SCF)	135805	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	134432	Area #1 LEL	4
7 Days Ago Flow (SCF)	134395	Area #2 LEL	4

Date And Time			
Date	26-NOV-10	Time	10:43:34

KEY
°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch

in WC = inches water column
in Hg = inches Mercury
SP = Set Point

SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date	11/23/10	**Time**	10 05
Technician	KRM	Wind Speed/Direction	Calm
Ambient Temperature (°F)	50	Barometric Pressure (in Hg)	30.58
Weather	Sunny	**GEM I.D.**	

BLOWER STATION

Blowers Status **301** (circle)	On	(Off)	Demister Inlet Valve Position (% Open)	10
Blowers Status **302** (circle)	(On)	Off	Demister Differential Pressure (in WC)	0
Methane (% Vol)	30.5		Nitrogen Pressure (psi)	1000
Carbon Dioxide (% Vol)	17.4		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.0		Blower Inlet Temp. (°F)	60
Balance Gas (% Vol)	57.9		Blower Discharge Temp. (°F)	113
Inlet Vacuum (in WC)	-7.626			

FLARE STATION

Flare Inlet Pressure (in WC)	.413	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	7.0	Top Flare Temp. (°F)	1412
Flow Rate (SCFM)	91	Middle Flare Temp. (°F)	1428
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1414
Blower Current (Amps)	5.3	Controlling Thermocouple	middle
Flare Top Temp. (°F)	1413	Louver Position (% Closed)	75
Flare Middle Temp. (°F)	1430	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1415	Control Mode	Auto
Area LEL (%)	3		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0	Current Flow (SCFM)	91
Blower **301** Current **(Hours)**	12884	Today's Total Flow (SCF)	5437 6
Blower **302** Current **(Amps)**	5.3	Total Flow (SCF)	2 0063755 27
Blower **302** Current **(Hours)**	16121		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	126805	Resettable Total Flow (SCF)	6691740
2 Days Ago Flow (SCF)	121382	Reset Time	11 33 3
3 Days Ago Flow (SCF)	124208	Reset Date	11 21 08
4 Days Ago Flow (SCF)	126696		
5 Days Ago Flow (SCF)	124802	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	124652	Area #1 LEL	3
7 Days Ago Flow (SCF)	126289	Area #2 LEL	3

Date And Time			
Date	11/24/10	Time	10 12 02

KEY
°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch

in WC = inches water column
in Hg = inches Mercury
SP = Set Point

SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date	11/30/10	**Time**	8 57
Technician	RJC	Wind Speed/Direction	16 SE
Ambient Temperature (°F)	53	Barometric Pressure (in Hg)	30.41
Weather	Cloudy	**GEM I.D.**	

BLOWER STATION

Blowers Status **301** (circle)	On	(Off)	Demister Inlet Valve Position (% Open)		10
Blowers Status **302** (circle)	(On)	Off	Demister Differential Pressure (in WC)		0
Methane (% Vol)	31.4		Nitrogen Pressure (psi)		100
Carbon Dioxide (% Vol)	17.8		Blower Inlet Valve (% Open)		30
Oxygen (% Vol)	0.0		Blower Inlet Temp. (°F)		60
Balance Gas (% Vol)	50.8		Blower Discharge Temp. (°F)		102
Inlet Vacuum (in WC)	-7.132				

FLARE STATION

Flare Inlet Pressure (in WC)	.358	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	7.4	Top Flare Temp. (°F)	1429
Flow Rate (SCFM)	91	Middle Flare Temp. (°F)	1497
LFG Oxygen (%)	0.0	Bottom Flare Temp. (°F)	1470
Blower Current (Amps)	5.3	Controlling Thermocouple	MIDDLE
Flare Top Temp. (°F)	1428	Louver Position (% Closed)	78
Flare Middle Temp. (°F)	1498	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1468	Control Mode	AUTO
Area LEL (%)	4		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0	Current Flow (SCFM)	86
Blower **301** Current **(Hours)**	17854	Today's Total Flow (SCF)	48144
Blower **302** Current **(Amps)**	5.3	Total Flow (SCF)	200498304
Blower **302** Current **(Hours)**	16144		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	128609	Resettable Total Flow (SCF)	89814118
2 Days Ago Flow (SCF)	126805	Reset Time	11 33 3
3 Days Ago Flow (SCF)	124382	Reset Date	11 21 08
4 Days Ago Flow (SCF)	124208		
5 Days Ago Flow (SCF)	126696	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	124802	Area #1 LEL	4
7 Days Ago Flow (SCF)	124652	Area #2 LEL	4

Date And Time			
Date	11/30/10	Time	8 59 10

KEY
°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch

in WC = inches water column
in Hg = inches Mercury
SP = Set Point

SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

11/01/2010 6:54 AM

PRODUCT INUNTORY SUMMARY

(GROSS VOLUME)

PROD 1 1428.2 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

11/02/2010 7:43 AM

PRODUCT INUNTORY SUMMARY

(GROSS VOLUME)

PROD 1 1435.3 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

11/03/2010 9:34 AM

PRODUCT INUNTORY SUMMARY

(GROSS VOLUME)

PROD 1 1439.7 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

11/04/2010 9:06 AM

PRODUCT INUNTORY SUMMARY

(GROSS VOLUME)

PROD 1 1441.6 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

11/05/2010 7:08 AM

PRODUCT INUNTORY SUMMARY

(GROSS VOLUME)

PROD 1 1442.9 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

11/09/2010 7:02 AM

PRODUCT INUNTORY SUMMARY

(GROSS VOLUME)

PROD 1 1443.7 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

11/09/2010 7:23 AM

PRODUCT INUNTORY SUMMARY

(GROSS VOLUME)

PROD 1 1444.5 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

11/10/2010 7:49 AM

PRODUCT INUNTORY SUMMARY

(GROSS VOLUME)

PROD 1 1449.0 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

11/11/2010 8:10 AM

PRODUCT INUNTORY SUMMARY

(GROSS VOLUME)

PROD 1 1456.5 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

11/12/2010 8:10 AM

PRODUCT INUNTORY SUMMARY

(GROSS VOLUME)

PROD 1 1464.3 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

11/15/2010 7:59 AM

PRODUCT INUNTORY SUMMARY

(GROSS VOLUME)

PROD 1 1479.9 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

11/16/2010 8:10 AM

PRODUCT INUNTORY SUMMARY

(GROSS VOLUME)

PROD 1 1486.1 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

11/17/2010 8:17 AM

PRODUCT INUNTORY SUMMARY

(GROSS VOLUME)

PROD 1 1487.4 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

11/18/2010 7:21 AM

PRODUCT INUNTORY SUMMARY

(GROSS VOLUME)

PROD 1 1488.6 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

11/19/2010 7:29 AM

PRODUCT INUNTORY SUMMARY

(GROSS VOLUME)

PROD 1 1490.9 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

11/22/2010 11:21 AM

PRODUCT INUNTORY SUMMARY

(GROSS VOLUME)

PROD 1 1493.3 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

11/23/2010 2:41 PM

TANK INUENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1494.4 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

11/24/2010 8:10 AM

PRODUCT INUNTORY SUMMARY

(GROSS VOLUME)

PROD 1 1494.7 GAL

INCON
INTELLIGENT CONTROLS INC
P. O. BOX 638
SACO ME 04072
1-800-984-6266

11/26/2010 9:16

TANK INUENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1343.8 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

11/29/2010 10:16 AM

PRODUCT INUNTORY SUMMARY

(GROSS VOLUME)

PROD 1 1499.9 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

11/30/2010 9:04 AM

PRODUCT INUNTORY SUMMARY

(GROSS VOLUME)

PROD 1 1500.7 GAL

PENNSYLVANIA AVENUE LANDFILL						Month: **December**					Year: **2010**			**LFG-1**	
		WEATHER				**FLARE TEMPERATURE**							**FLARE STATION**		
DATE	TIME	Weather	Ambient Temp (ºF)	Wind Speed/Direction	Barometric Pressure (in Hg)	Top Flare Temp. (ºF)	Middle Flare Temp. (ºF)	Bottom Flare Temp. (ºF)	Controlling Thermo-couple	Louver Position (% Closed)	Control Temp. (SP)	Control Mode	Flare Inlet Pressure (in WC)	Flame Arrestor Differential Pressure (in WC)	Aux Fuel Pressure (in WC) Natural Gas
1	8:10	Rain	45	32/SE	29.88	1440	1509	1499	Middle	83	1500	Auto	0.37	0	0
2	7:50	Sunny	35	15/WNW	30.11	1451	1508	1427	Middle	74	1500	Auto	0.37	0	0
3	12:10	Cloudy	45	6/NW	30.06	1421	1514	1457	Middle	96	1500	Auto	0.47	0	0
4															
5															
6	7:00	Cloudy	35	20/W	29.59	1442	1497	1420	Middle	100	1500	Auto	0.42	0	0
7	10:20	Cloudy	31	21/WNW	29.55	1449	1510	1443	Middle	0	1500	Auto	0.41	0	0
8	9:55	Sunny	36	24/WNW	29.90	1423	1481	1436	Middle	100	1500	Auto	0.50	0	0
9	7:30	Sunny	34	17/NW	30.22	1415	1470	1412	Middle	100	1500	Auto	0.50	0	0
10	8:00	Cloudy	30	7/E	30.43	1455	1511	1484	Middle	95	1500	Auto	0.49	0	0
11															
12															
13	7:30	Rain	44	8/NW	29.18	1469	1531	1478	Middle	0	1500	Auto	0.48	0	0
14	7:20	Cloudy	24	20/NW	29.49	1378	1447	1379	Middle	100	1500	Auto	0.46	0	0
15	7:02	Cloudy	23	24/WNW	29.58	1435	1489	1431	Middle	100	1500	Auto	0.49	0	0
16	7:20	Sunny	30	15/W	29.71	1455	1512	1446	Middle	38	1500	Auto	0.50	0	0
17	7:45	Sunny	30	12/NW	29.75	1433	1489	1433	Middle	21	1500	Auto	0.49	0	0
18															
19															
20	7:40	Sunny	30	20/N	29.74	1419	1476	1448	Middle	100	1500	Auto	0.44	0	0
21	8:10	Sunny	30	23/NNW	29.69	1386	1450	1413	Middle	100	1500	Auto	0.50	0	0
22	7:40	Sunny	30	17/NW	29.85	1472	1528	1476	Middle	0	1500	Auto	0.31	0	0
23	10:00	Cloudy	28	25/NNW	29.68	1406	1467	1452	Middle	100	1500	Auto	0.45	0	0
24		HOLIDAY													
25															
26															
27	10:00	Snow	28	31/NW	29.32	1324	1350	1305	Middle	100	1500	Auto	0.17	0	0
28	13:45	Sunny	40		29.69	1545	1607	1562	Middle	0	1500	Auto	0.41	0	0
29	9:25	Sunny	35	16/NW	30.00	1450	1506	1481	Middle	89	1500	Auto	0.30	0	0
30	9:10	Partly Cloudy	28	Calm	30.24	1427	1509	1460	Middle	0	1500	Auto	0.32	0	0
31		HOLIDAY													

Notes: Flare kept tripping out due to temperature problems, out of service for 11.4 hours on the 1st, 12.65 hours on the 2nd, and 11.4 hours on the 3rd.

PENNSYLVANIA AVENUE LANDFILL		Month: **December**									Year: **2010**			**LFG-1**
		Process Overview (YIC-1 From Main Menu Screen)									**Flow & Totalizer**			
DATE	TIME	Landfill Vacuum (in WC)	Flow Rate (SCFM)	LFG Oxygen (%)	Blower Current (Amps)	Flare Top Temp. (ºF)	Flare Middle Temp. (ºF)	Flare Bottom Temp. (ºF)	Area LEL (%)	Area **#1** LEL	Area **#2** LEL	Current Flow (SCFM)	Today's Total Flow (SCF)	Total Flow (SCF)	Yesterday's Flow (SCF)
1	8:10	-9.9	86	0	5.2	1447	1521	1506	5	5	5	85	42,946	200,321,199	128,093
2	7:50	-7.8	88	0	5.3	1452	1511	1428	5	5	4	91	3,940	200,648,523	66,255
3	12:10	-6.5	92	0	5.3	1419	1513	1455	4	4	4	92	6,875	200,712,081	60,698
4															70,437
5															129,108
6	7:00	-6.8	91	0	5.5	1440	1496	1419	5	5	4	88	37,512	201,070,941	128,678
7	10:20	-6.3	89	0	5.4	1447	1504	1440	4	4	4	91	55,220	201,216,876	128,227
8	9:55	-6.6	87	0	5.4	1423	1485	1441	4	4	3	93	53,254	201,343,169	128,259
9	7:30	-6.9	89	0	5.4	1415	1468	1411	5	5	4	92	40,709	201,460,515	128,801
10	8:00	-7.5	94	0	5.5	1455	1510	1482	5	5	4	97	45,291	201,596,652	131,553
11															132,898
12															132,621
13	7:30	-10.3	88	0	5.3	1471	1533	1478	5	5	5	86	39,941	201,987,387	130,658
14	7:20	-6.9	89	0	5.3	1368	1426	1372	5	5	4	89	38,793	202,113,866	127,627
15	7:02	-7.3	89	0	5.4	1435	1491	1431	5	5	4	89	37,408	202,241,126	128,645
16	7:20	-8.1	91	0	5.4	1457	1515	1446	5	5	3	87	44,495	202,375,010	126,703
17	7:45	-8.1	89	0	5.4	1434	1491	1434	5	5	4	91	42,449	202,503,416	130,546
18															131,312
19															132,296
20	7:40	-7.9	92	0	5.4	1419	1474	1449	5	5	4	89	41,714	202,898,126	131,837
21	8:10	-7.5	95	0	5.5	1374	1438	1409	5	5	4	92	44,217	203,031,677	131,048
22	7:40	-9.0	92	0	5.4	1472	1529	1477	5	5	4	87	42,472	203,160,733	130,801
23	10:00	-7.6	88	0	5.3	1404	1470	1454	5	5	4	89	54,503	203,303,550	130,786
24															130,494
25															131,112
26															131,581
27	10:00	-8.6	86	0	5.2	1320	1486	1304	6	6	4	90	52,321	203,824,209	129,570
28	13:45	-8.2	86	0	5.4	1538	1614	1555	4	4	4	91	73,044	203,971,417	126,569
29	9:25	-9.2	90	0	5.3	1453	1507	1474	5	5	4	91	50,615	204,077,628	128,550
30	9:10	-13.1	92	0	5.3	1431	1509	1459	5	5	3	89	49,845	204,206,236	129,372
31															130,039
														1-Jan	129,248
														Dec. 2010 Total Flow:	**3,836,329**

PENNSYLVANIA AVENUE LANDFILL										Month: **December**		Year: **2010**					**LFG-1**
		BLOWER STATION												**Blower Data**			
DATE	TIME	Blower In Service **301** or **302**	Methane (% Vol)	Carbon Dioxide (% Vol)	Oxygen (% Vol)	Balance Gas (% Vol)	Inlet Vacuum (in WC)	Demister Inlet Valve Position (% Open)	Demister Differential Pressure (in WC)	Nitrogen Pressure (psi)	Blower Inlet Valve (% Open)	Blower Inlet Temp. (ºF)	Blower Discharge Temp. (ºF)	Blower **301** Current (**Amps**)	Blower **301** Current (**Hours**)	Blower **302** Current (**Amps**)	Blower **302** Current (**Hours**)
1	8:10	302	32.0	18.1	0.0	49.9	-6.1	10	0	1000	30	64	100	0.0	17884	5.3	16167
2	7:50	302	32.5	18.7	0.0	48.8	-7.6	10	0	900	30	60	90	0.0	17884	5.3	16172
3	12:10	302	33.7	18.1	0.0	48.2	-6.8	10	0	800	30	60	102	0.0	17884	5.3	16184
4																	
5																	
6	7:00	302	33.2	17.7	0.0	49.1	-6.9	10	0	700	30	54	90	0.0	17884	5.4	16251
7	10:20	302	33.4	19.1	0.0	47.5	-6.7	10	0	700	30	56	90	0.0	17884	5.4	16278
8	9:55	302	33.1	19.3	0.0	47.6	-6.8	10	0	800	30	54	90	0.0	17884	5.4	16302
9	7:30	302	31.6	14.4	0.0	54.0	-7.2	10	0	750	30	50	88	0.0	17884	5.4	16323
10	8:00	302	31.8	16.4	0.0	51.8	-7.3	10	0	750	30	50	90	0.0	17884	5.5	16348
11																	
12																	
13	7:30	302	34.7	15.7	0.0	49.6	-6.3	10	0	750	30	56	96	0.0	17884	5.3	16419
14	7:20	302	32.6	15.9	0.0	51.5	-7.7	10	0	700	30	48	80	0.0	17884	5.3	16443
15	7:02	302	32.5	15.4	0.0	52.1	-7.5	10	0	750	30	48	80	0.0	17884	5.4	16467
16	7:20	302	32.6	16.5	0.0	50.9	-7.0	10	0	700	30	48	86	0.0	17884	5.4	16492
17	7:45	302	32.2	16.5	0.0	51.3	-7.5	10	0	700	30	48	88	0.0	17884	5.4	16516
18																	
19																	
20	7:40	302	32.9	15.9	0.0	51.2	-7.9	10	0	700	30	50	78	0.0	17884	5.4	16588
21	8:10	302	33.9	14.0	0.0	52.1	-7.6	10	0	700	30	48	84	0.0	17884	5.4	16612
22	7:40	302	31.8	18.2	0.3	49.7	-7.8	10	0	700	30	50	87	0.0	17884	5.4	16636
23	10:00	302	27.6	14.3	3.8	54.3	-7.7	10	0	700	30	50	84	0.0	17884	5.3	16662
24																	
25																	
26																	
27	10:00	302	32.8	14.1	0.0	53.1	-9.4	10	0	600	30	44	76	0.0	17884	5.2	16755
28	13:45	302	27.4	11.5	3.0	58.1	-8.3	10	0	700	30	50	88	0.0	17884	5.3	16786
29	9:25	302	30.5	16.3	1.5	51.7	-10.3	10	0	700	30	48	89	0.0	17884	5.3	16805
30	9:10	302	29.6	16.4	2.2	51.8	-10.3	10	0	700	30	50	96	0.0	17884	5.3	16829
31																	

PENNSYLVANIA AVENUE LANDFILL
LANDFILL DAILY OPERATIONS MONTHLY REPORT
Month: DECEMBER 2010

Date		Landfill Gas System			Landfill - Cover & Stormwater Systems, Roads, etc.
		Hours On Line	Flare	LFG Collection - Extraction Wells	
Wednesday	1-Dec	12.6	The flare processed 3,836,329 SCF of landfill gas.	EW-1 was inaccessible under a large block of ice; therefore, 45 of the 46 wells were monitored this month.	12/2/10 Was informed that a hole on the Penn perimeter fence had been viewed from the Belt Pkwy. Performed a thorough inspection of the fence, from bridge to bridge, and not a single hole was observed. Responded with findings.
Thursday	2-Dec	11.4	12/1/10, the flare kept tripping out due to high and low temperature faults. Opened the natural gas to keep it going. It was observed that the louvers were not responding properly. Louver operation was further investigated. On 12/3/10, the Walton electrician tested both motors and found the north side motor was burnt out. Ordered a replacement. The south side louver motor will be examined after north motor is replaced. The louver control was set on manual and is being closely monitored. The natural gas was turned off; 302 SCF was used from the 1st to the 3rd.		
Friday	3-Dec	12.6			
Weekend	4-Dec	24			
	5-Dec	24			12/3/10 Was contacted by DEP insisting that there was a hole on the Penn fence. Again, walked the entire perimeter. Suspected that maybe the double fence installed by the Belt Rehab contractor created an optical illusion. This fence has no holes or openings and is backed up by the landfill perimeter fence. The only breach was in the Fountain Ave LF perimeter fence, which had been repaired, reopened and was on the list for repair again. This hole was patched before 8 AM, at which time there were absolutely no holes in either perimeter.
Monday	6-Dec	24			
Tuesday	7-Dec	24			
Wednesday	8-Dec	24			
Thursday	9-Dec	24			
Friday	10-Dec	24			
Weekend	11-Dec	24			
	12-Dec	24	12/6/10 - D&W tech checking Silent Knight telephone lines because they had received a trouble signal; found both lines operational.		
Monday	13-Dec	24			
Tuesday	14-Dec	24			12/9/10, performed the Groundwater Synoptic Elevations Survey.
Wednesday	15-Dec	24	12/7/10, Detronics manufacturer representative inspected and repaired the UV flame detectors. He discovered that the installation is upside down and should be corrected, and that unused conduit connection shipping caps need to be replaced with permanent plugs. The lenses were cleaned and the settings were adjusted. The sensitivity was lowered from high to medium, the arc rejection setting was increased from high to very high, and the alarm time delay was adjusted from 0 to 15 seconds. These adjustments should eliminate/minimize false UV flame detection alarms. He also recommended upgrading the sensors to a model suitable for the application; this should be considered if replacement is ever necessary.		
Thursday	16-Dec	24			The 7th quarter of post-closure monitoring was completed this month, with monitoring of all 10 groundwater wells and the 5 perimeter soil gas wells.
Friday	17-Dec	24			
Weekend	18-Dec	24			
	19-Dec	24			
Monday	20-Dec	24			Spreading fine gravel on icing areas in the parking lot and DEP trailer entrance on a daily basis.
Tuesday	21-Dec	24			
Wednesday	22-Dec	24			
Thursday	23-Dec	24			Snow removal and access clearing, after the blizzard, was performed on the 27th, 28th and 29th.
Friday	24-Dec	24			
Weekend	25-Dec	24			
	26-Dec	24			
Monday	27-Dec	24			
Tuesday	28-Dec	24			
Wednesday	29-Dec	24			
Thursday	30-Dec	24			
Friday	31-Dec	24			

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date	12/1/10	**Time**	8 10
Technician	RAM	Wind Speed/Direction	3 SE
Ambient Temperature (°F)	45	Barometric Pressure (in Hg)	29.88
Weather	RAW	**GEM I.D.**	

BLOWER STATION				
Blowers Status **301** (circle)	On	~~Off~~	Demister Inlet Valve Position (% Open)	10
Blowers Status **302** (circle)	On	Off	Demister Differential Pressure (in WC)	0
Methane (% Vol)	32.0		Nitrogen Pressure (psi)	100
Carbon Dioxide (% Vol)	18.1		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.0		Blower Inlet Temp. (°F)	64
Balance Gas (% Vol)	49.9		Blower Discharge Temp. (°F)	100
Inlet Vacuum (in WC)	-6.140			

FLARE STATION		
Flare Inlet Pressure (in WC)	.374	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	9.9	Top Flare Temp. (°F)	1440
Flow Rate (SCFM)	86	Middle Flare Temp. (°F)	~~1507~~ 1509
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1499
Blower Current (Amps)	5.2	Controlling Thermocouple	middle
Flare Top Temp. (°F)	1447	Louver Position (% Closed)	83
Flare Middle Temp. (°F)	1521	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1506	Control Mode	Auto
Area LEL (%)	5		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0	Current Flow (SCFM)	85
Blower **301** Current **(Hours)**	17884	Today's Total Flow (SCF)	42946
Blower **302** Current **(Amps)**	5.3	Total Flow (SCF)	200621189
Blower **302** Current **(Hours)**	16167		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	128093	Resettable Total Flow (SCF)	8993086
2 Days Ago Flow (SCF)	128604	Reset Time	11 33 3
3 Days Ago Flow (SCF)	126805	Reset Date	11 21 08
4 Days Ago Flow (SCF)	124382		
5 Days Ago Flow (SCF)	124208	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	126696	Area #1 LEL	5
7 Days Ago Flow (SCF)	124802	Area #2 LEL	5

Date And Time			
Date	12/1/10	Time	8 08 AM

KEY
°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch
in WC = inches water column
in Hg = inches Mercury
SP = Set Point
SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date	12/2/10	**Time**	750
Technician	RAJ	Wind Speed/Direction	15 WNW
Ambient Temperature (°F)	35	Barometric Pressure (in Hg)	30.11
Weather	Sunny	**GEM I.D.**	

BLOWER STATION

Blowers Status **301** (circle)	On	Off	Demister Inlet Valve Position (% Open)	10
Blowers Status **302** (circle)	On	Off	Demister Differential Pressure (in WC)	0
Methane (% Vol)	32.5		Nitrogen Pressure (psi)	200
Carbon Dioxide (% Vol)	15.9		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.0		Blower Inlet Temp. (°F)	60
Balance Gas (% Vol)	48.5		Blower Discharge Temp. (°F)	90
Inlet Vacuum (in WC)	-7.613			

FLARE STATION

Flare Inlet Pressure (in WC)	.370
Flame Arrestor Differential Pressure (in WC)	3
Aux Fuel Pressure (in WC) - Natural Gas	3

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	7.5	Top Flare Temp. (°F)	1457
Flow Rate (SCFM)	88	Middle Flare Temp. (°F)	1508
LFG Oxygen (%)	0.0	Bottom Flare Temp. (°F)	1427
Blower Current (Amps)	5.3	Controlling Thermocouple	MIDDLE
Flare Top Temp. (°F)	1452	Louver Position (% Closed)	74
Flare Middle Temp. (°F)	1511	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1425	Control Mode	AUTO
Area LEL (%)	5		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.0	Current Flow (SCFM)	91
Blower **301** Current **(Hours)**	17858	Today's Total Flow (SCF)	39410
Blower **302** Current **(Amps)**	5.3	Total Flow (SCF)	200648523
Blower **302** Current **(Hours)**	16172		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	66255	Resettable Total Flow (SCF)	8964353
2 Days Ago Flow (SCF)	128693	Reset Time	11 33 3
3 Days Ago Flow (SCF)	128609	Reset Date	11 21 05
4 Days Ago Flow (SCF)	126506		
5 Days Ago Flow (SCF)	124382	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	124203	Area #1 LEL	5
7 Days Ago Flow (SCF)	126696	Area #2 LEL	4

Date And Time			
Date	12/2/10	Time	752

KEY
°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch

in WC = inches water column
in Hg = inches Mercury
SP = Set Point

SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

Flare went off line 12/1/10 1:30 PM Restart 12/2/10 1420

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date	12/3/10	**Time**	12 10
Technician	RAW	Wind Speed/Direction	6 NW
Ambient Temperature (°F)	45	Barometric Pressure (in Hg)	30.06
Weather	Cloudy	**GEM I.D.**	

BLOWER STATION

Blowers Status **301** (circle)	On (Off)	Demister Inlet Valve Position (% Open)	10
Blowers Status **302** (circle)	(On) Off	Demister Differential Pressure (in WC)	0
Methane (% Vol)	33.7	Nitrogen Pressure (psi)	400
Carbon Dioxide (% Vol)	18.1	Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.0	Blower Inlet Temp. (°F)	60
Balance Gas (% Vol)	48.1	Blower Discharge Temp. (°F)	102
Inlet Vacuum (in WC)	-6.750		

FLARE STATION

Flare Inlet Pressure (in WC)	4.70	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	6.5	Top Flare Temp. (°F)	1421
Flow Rate (SCFM)	92	Middle Flare Temp. (°F)	1514
LFG Oxygen (%)	0.0	Bottom Flare Temp. (°F)	1457
Blower Current (Amps)	51.3	Controlling Thermocouple	middle
Flare Top Temp. (°F)	1419	Louver Position (% Closed)	96.7
Flare Middle Temp. (°F)	1513	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1455	Control Mode	Auto
Area LEL (%)	4		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0	Current Flow (SCFM)	92
Blower **301** Current **(Hours)**	17554	Today's Total Flow (SCF)	6525
Blower **302** Current **(Amps)**	51.3	Total Flow (SCF)	2 002 1205
Blower **302** Current **(Hours)**	16184		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	60698	Resettable Total Flow (SCF)	90027895
2 Days Ago Flow (SCF)	66235	Reset Time	11 53 3
3 Days Ago Flow (SCF)	128093	Reset Date	11 21 08
4 Days Ago Flow (SCF)	128605		
5 Days Ago Flow (SCF)	126805	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	121382	Area #1 LEL	4
7 Days Ago Flow (SCF)	124208	Area #2 LEL	4

Date And Time			
Date	12/3/10	Time	12 12 36

KEY
°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch
in WC = inches water column
in Hg = inches Mercury
SP = Set Point
SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date	12/6/16	**Time**	9:00
Technician	[illegible]	Wind Speed/Direction	20 W
Ambient Temperature (°F)	35	Barometric Pressure (in Hg)	29.59
Weather	Cloudy	**GEM I.D.**	

BLOWER STATION

Blowers Status **301** (circle)	On	(Off)	Demister Inlet Valve Position (% Open)		10
Blowers Status **302** (circle)	(On)	Off	Demister Differential Pressure (in WC)		0
Methane (% Vol)	33.2		Nitrogen Pressure (psi)		700
Carbon Dioxide (% Vol)	17.7		Blower Inlet Valve (% Open)		30
Oxygen (% Vol)	0.6		Blower Inlet Temp. (°F)		54
Balance Gas (% Vol)	47.1		Blower Discharge Temp. (°F)		90
Inlet Vacuum (in WC)	-6.933				

FLARE STATION

Flare Inlet Pressure (in WC)	.4120	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	-6.5	Top Flare Temp. (°F)	1442
Flow Rate (SCFM)	87	Middle Flare Temp. (°F)	1497
LFG Oxygen (%)	2.0	Bottom Flare Temp. (°F)	1420
Blower Current (Amps)	5.5	Controlling Thermocouple	Middle
Flare Top Temp. (°F)	1440	Louver Position (% Closed)	10
Flare Middle Temp. (°F)	1496	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1419	Control Mode	Auto
Area LEL (%)	5		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0	Current Flow (SCFM)	883
Blower **301** Current **(Hours)**	17554	Today's Total Flow (SCF)	32572
Blower **302** Current **(Amps)**	5.4	Total Flow (SCF)	2016 MGal
Blower **302** Current **(Hours)**	16251		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	125678	Resettable Total Flow (SCF)	93567150
2 Days Ago Flow (SCF)	129108	Reset Time	11:33
3 Days Ago Flow (SCF)	70413	Reset Date	11/21/02
4 Days Ago Flow (SCF)	66458		
5 Days Ago Flow (SCF)	66225	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	125073	Area #1 LEL	5
7 Days Ago Flow (SCF)	128609	Area #2 LEL	4

Date And Time

Date	12/6/16	Time	9:21

KEY
°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch
in WC = inches water column
in Hg = inches Mercury
SP = Set Point
SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date	12/7/11	**Time**	10 20
Technician	RAY	Wind Speed/Direction	21 WNW
Ambient Temperature (°F)	31	Barometric Pressure (in Hg)	29.55
Weather	Cloudy	**GEM I.D.**	

BLOWER STATION

Blowers Status **301** (circle)	On	Off	Demister Inlet Valve Position (% Open)	50
Blowers Status **302** (circle)	On	Off	Demister Differential Pressure (in WC)	6
Methane (% Vol)	53.4		Nitrogen Pressure (psi)	100
Carbon Dioxide (% Vol)	19.1		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.0		Blower Inlet Temp. (°F)	50
Balance Gas (% Vol)	42.5		Blower Discharge Temp. (°F)	120
Inlet Vacuum (in WC)	-6.703			

FLARE STATION

Flare Inlet Pressure (in WC)	90	
Flame Arrestor Differential Pressure (in WC)	6	
Aux Fuel Pressure (in WC) - Natural Gas	6	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	6.5	Top Flare Temp. (°F)	1424
Flow Rate (SCFM)	54	Middle Flare Temp. (°F)	1576
LFG Oxygen (%)	0.0	Bottom Flare Temp. (°F)	1443
Blower Current (Amps)	5.4	Controlling Thermocouple	middle
Flare Top Temp. (°F)	1407	Louver Position (% Closed)	50
Flare Middle Temp. (°F)	1574	Control Temperature (SP)	1520
Flare Bottom Temp. (°F)	1410	Control Mode	AUTO
Area LEL (%)	4		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0.0	Current Flow (SCFM)	54
Blower **301** Current **(Hours)**	17884	Today's Total Flow (SCF)	5322.0
Blower **302** Current **(Amps)**	5.4	Total Flow (SCF)	2012168.76
Blower **302** Current **(Hours)**	16275		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	124227	Resettable Total Flow (SCF)	50532652
2 Days Ago Flow (SCF)	124675	Reset Time	11 33 3
3 Days Ago Flow (SCF)	125105	Reset Date	11 21 09
4 Days Ago Flow (SCF)	70137		
5 Days Ago Flow (SCF)	66658	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	66255	Area #1 LEL	4
7 Days Ago Flow (SCF)	125093	Area #2 LEL	4

Date And Time			
Date	12/7/11	Time	16 21 15

KEY

°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch
in WC = inches water column
in Hg = inches Mercury
SP = Set Point
SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date	12/8/10	**Time**	9 55
Technician	[illegible]	Wind Speed/Direction	29 WNW
Ambient Temperature (°F)	36	Barometric Pressure (in Hg)	29.90
Weather	Clear cold	**GEM I.D.**	

BLOWER STATION				
Blowers Status **301** (circle)	On	Off	Demister Inlet Valve Position (% Open)	10
Blowers Status **302** (circle)	On	Off	Demister Differential Pressure (in WC)	0
Methane (% Vol)	35.1		Nitrogen Pressure (psi)	500
Carbon Dioxide (% Vol)	19.3		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.0		Blower Inlet Temp. (°F)	54
Balance Gas (% Vol)	47.7		Blower Discharge Temp. (°F)	90
Inlet Vacuum (in WC)	-6.503			

FLARE STATION		
Flare Inlet Pressure (in WC)	.1496	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	3	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	6.6	Top Flare Temp. (°F)	1423
Flow Rate (SCFM)	57	Middle Flare Temp. (°F)	1451
LFG Oxygen (%)	0.0	Bottom Flare Temp. (°F)	1436
Blower Current (Amps)	5.4	Controlling Thermocouple	MIDDLE
Flare Top Temp. (°F)	1423	Louver Position (% Closed)	10
Flare Middle Temp. (°F)	1455	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1441	Control Mode	Auto
Area LEL (%)	4		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0.0	Current Flow (SCFM)	57
Blower **301** Current **(Hours)**	17887	Today's Total Flow (SCF)	55254
Blower **302** Current **(Amps)**	5.4	Total Flow (SCF)	201343169
Blower **302** Current **(Hours)**	16362		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	125255	Resettable Total Flow (SCF)	93658957
2 Days Ago Flow (SCF)	125227	Reset Time	11 33 3
3 Days Ago Flow (SCF)	125075	Reset Date	11 21 08
4 Days Ago Flow (SCF)	129108		
5 Days Ago Flow (SCF)	70437	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	66698	Area #1 LEL	4
7 Days Ago Flow (SCF)	66255	Area #2 LEL	3

Date And Time			
Date	12/8/10	Time	9 55 42

KEY
°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch
in WC = inches water column
in Hg = inches Mercury
SP = Set Point
SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date	12/9/16	**Time**	7 30
Technician	[illegible]	Wind Speed/Direction	17 NW
Ambient Temperature (°F)	34	Barometric Pressure (in Hg)	30.22
Weather	Sunny Cold	**GEM I.D.**	

BLOWER STATION				
Blowers Status **301** (circle)	On	Off	Demister Inlet Valve Position (% Open)	10
Blowers Status **302** (circle)	On	Off	Demister Differential Pressure (in WC)	6
Methane (% Vol)	52.6		Nitrogen Pressure (psi)	720
Carbon Dioxide (% Vol)	14.4		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.0		Blower Inlet Temp. (°F)	50
Balance Gas (% Vol)	33.0		Blower Discharge Temp. (°F)	88
Inlet Vacuum (in WC)	-2.22			

FLARE STATION		
Flare Inlet Pressure (in WC)	4.95	
Flame Arrestor Differential Pressure (in WC)	2	
Aux Fuel Pressure (in WC) - Natural Gas	3	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	5.9	Top Flare Temp. (°F)	1415
Flow Rate (SCFM)	57	Middle Flare Temp. (°F)	1412
LFG Oxygen (%)	0.6	Bottom Flare Temp. (°F)	1412
Blower Current (Amps)	5.4	Controlling Thermocouple	Middle
Flare Top Temp. (°F)	1415	Louver Position (% Closed)	16
Flare Middle Temp. (°F)	1415	Control Temperature (SP)	1550
Flare Bottom Temp. (°F)	1411	Control Mode	Auto
Area LEL (%)	5		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0	Current Flow (SCFM)	57
Blower **301** Current **(Hours)**	17604	Today's Total Flow (SCF)	32,101
Blower **302** Current **(Amps)**	54	Total Flow (SCF)	20,460,215
Blower **302** Current **(Hours)**	16523		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	125,801	Resettable Total Flow (SCF)	9,126,420
2 Days Ago Flow (SCF)	125,269	Reset Time	11:30
3 Days Ago Flow (SCF)	125,229	Reset Date	11/21/16
4 Days Ago Flow (SCF)	128,718		
5 Days Ago Flow (SCF)	129,165	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	30,132	Area #1 LEL	5
7 Days Ago Flow (SCF)	66,659	Area #2 LEL	4

Date And Time			
Date	12/9/16	Time	7 28

KEY
°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch
in WC = inches water column
in Hg = inches Mercury
SP = Set Point
SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date	12/10/10	**Time**	8:00
Technician	[illegible]	Wind Speed/Direction	7 E
Ambient Temperature (°F)	30	Barometric Pressure (in Hg)	30.43
Weather	[illegible]	**GEM I.D.**	

BLOWER STATION

Blowers Status **301** (circle)	On	(Off)	Demister Inlet Valve Position (% Open)	10
Blowers Status **302** (circle)	(On)	Off	Demister Differential Pressure (in WC)	0
Methane (% Vol)	31.5		Nitrogen Pressure (psi)	30.0
Carbon Dioxide (% Vol)	16.4		Blower Inlet Valve (% Open)	80
Oxygen (% Vol)	0.0		Blower Inlet Temp. (°F)	53
Balance Gas (% Vol)	51.6		Blower Discharge Temp. (°F)	90
Inlet Vacuum (in WC)	-7.24			

FLARE STATION

Flare Inlet Pressure (in WC)	.492	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	7.3	Top Flare Temp. (°F)	1353
Flow Rate (SCFM)	94	Middle Flare Temp. (°F)	1511
LFG Oxygen (%)	0.0	Bottom Flare Temp. (°F)	1495
Blower Current (Amps)	5.5	Controlling Thermocouple	Middle
Flare Top Temp. (°F)	1453	Louver Position (% Closed)	16
Flare Middle Temp. (°F)	1516	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1482	Control Mode	Auto
Area LEL (%)	5		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0.0	Current Flow (SCFM)	97
Blower **301** Current **(Hours)**	17585	Today's Total Flow (SCF)	45291
Blower **302** Current **(Amps)**	5.5	Total Flow (SCF)	2 [illegible]
Blower **302** Current **(Hours)**	12348		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	131553	Resettable Total Flow (SCF)	[illegible]
2 Days Ago Flow (SCF)	129561	Reset Time	[illegible]
3 Days Ago Flow (SCF)	129259	Reset Date	[illegible]
4 Days Ago Flow (SCF)	128227		
5 Days Ago Flow (SCF)	127725	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	127165	Area #1 LEL	5
7 Days Ago Flow (SCF)	126137	Area #2 LEL	5

Date And Time			
Date	12/10/10	Time	[illegible]

KEY
°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch

in WC = inches water column
in Hg = inches Mercury
SP = Set Point

SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date	12/13/10	**Time**	7 30
Technician	RSJ	Wind Speed/Direction	8 NW
Ambient Temperature (°F)	44	Barometric Pressure (in Hg)	29.18
Weather	Cloudy & Rain	**GEM I.D.**	

BLOWER STATION

Blowers Status **301** (circle)	On	(Off)	Demister Inlet Valve Position (% Open)	10
Blowers Status **302** (circle)	(On)	Off	Demister Differential Pressure (in WC)	0
Methane (% Vol)	34.7		Nitrogen Pressure (psi)	75.0
Carbon Dioxide (% Vol)	15.7		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.0		Blower Inlet Temp. (°F)	50
Balance Gas (% Vol)	50.0		Blower Discharge Temp. (°F)	96
Inlet Vacuum (in WC)	-6.260			

FLARE STATION

Flare Inlet Pressure (in WC)	.479	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	10.3	Top Flare Temp. (°F)	1469
Flow Rate (SCFM)	88	Middle Flare Temp. (°F)	1531
LFG Oxygen (%)	0.0	Bottom Flare Temp. (°F)	1478
Blower Current (Amps)	5.3	Controlling Thermocouple	Middle
Flare Top Temp. (°F)	1471	Louver Position (% Closed)	0
Flare Middle Temp. (°F)	1533	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1478	Control Mode	Auto
Area LEL (%)	5		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0.0	Current Flow (SCFM)	86
Blower **301** Current **(Hours)**	17884	Today's Total Flow (SCF)	39941
Blower **302** Current **(Amps)**	5.3	Total Flow (SCF)	201987887
Blower **302** Current **(Hours)**	16419		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	130658	Resettable Total Flow (SCF)	91303200
2 Days Ago Flow (SCF)	132621	Reset Time	11 33 3
3 Days Ago Flow (SCF)	132898	Reset Date	11 21 08
4 Days Ago Flow (SCF)	131555		
5 Days Ago Flow (SCF)	129801	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	128259	Area #1 LEL	5
7 Days Ago Flow (SCF)	128257	Area #2 LEL	4

Date And Time			
Date	12/13/10	Time	7 28 28

KEY

°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch
in WC = inches water column
in Hg = inches Mercury
SP = Set Point
SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date	12/14/10	**Time**	
Technician	RSJ	Wind Speed/Direction	20 NW
Ambient Temperature (°F)	24	Barometric Pressure (in Hg)	29.49
Weather	Cloudy Cold	**GEM I.D.**	

BLOWER STATION				
Blowers Status **301** (circle)	On	Off	Demister Inlet Valve Position (% Open)	
Blowers Status **302** (circle)	On	Off	Demister Differential Pressure (in WC)	
Methane (% Vol)			Nitrogen Pressure (psi)	
Carbon Dioxide (% Vol)			Blower Inlet Valve (% Open)	
Oxygen (% Vol)			Blower Inlet Temp. (°F)	
Balance Gas (% Vol)			Blower Discharge Temp. (°F)	
Inlet Vacuum (in WC)				

FLARE STATION		
Flare Inlet Pressure (in WC)		
Flame Arrestor Differential Pressure (in WC)		
Aux Fuel Pressure (in WC) - Natural Gas		

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)		Top Flare Temp. (°F)	
Flow Rate (SCFM)		Middle Flare Temp. (°F)	
LFG Oxygen (%)		Bottom Flare Temp. (°F)	
Blower Current (Amps)		Controlling Thermocouple	
Flare Top Temp. (°F)		Louver Position (% Closed)	
Flare Middle Temp. (°F)		Control Temperature (SP)	
Flare Bottom Temp. (°F)		Control Mode	
Area LEL (%)			

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**		Current Flow (SCFM)	
Blower **301** Current **(Hours)**		Today's Total Flow (SCF)	
Blower **302** Current **(Amps)**		Total Flow (SCF)	
Blower **302** Current **(Hours)**			

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)		Resettable Total Flow (SCF)	
2 Days Ago Flow (SCF)		Reset Time	
3 Days Ago Flow (SCF)		Reset Date	
4 Days Ago Flow (SCF)			
5 Days Ago Flow (SCF)		**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)		Area #1 LEL	
7 Days Ago Flow (SCF)		Area #2 LEL	

Date And Time			
Date		Time	

KEY
°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch

in WC = inches water column
in Hg = inches Mercury
SP = Set Point

SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date		**Time**	
Technician		Wind Speed/Direction	24 WNW
Ambient Temperature (°F)	23	Barometric Pressure (in Hg)	29.58
Weather		**GEM I.D.**	

BLOWER STATION				
Blowers Status **301** (circle)	On	Off	Demister Inlet Valve Position (% Open)	10
Blowers Status **302** (circle)	On	Off	Demister Differential Pressure (in WC)	
Methane (% Vol)	52.5		Nitrogen Pressure (psi)	150
Carbon Dioxide (% Vol)			Blower Inlet Valve (% Open)	30
Oxygen (% Vol)			Blower Inlet Temp. (°F)	45
Balance Gas (% Vol)			Blower Discharge Temp. (°F)	50
Inlet Vacuum (in WC)				

FLARE STATION		
Flare Inlet Pressure (in WC)		
Flame Arrestor Differential Pressure (in WC)		
Aux Fuel Pressure (in WC) - Natural Gas		

ANALOG DATA MENU

Process Overview (Y1C-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	73	Top Flare Temp. (°F)	
Flow Rate (SCFM)		Middle Flare Temp. (°F)	
LFG Oxygen (%)	0.0	Bottom Flare Temp. (°F)	
Blower Current (Amps)	5.4	Controlling Thermocouple	
Flare Top Temp. (°F)	1435	Louver Position (% Closed)	
Flare Middle Temp. (°F)	1491	Control Temperature (SP)	
Flare Bottom Temp. (°F)	1431	Control Mode	
Area LEL (%)	5		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**		Current Flow (SCFM)	
Blower **301** Current **(Hours)**		Today's Total Flow (SCF)	
Blower **302** Current **(Amps)**		Total Flow (SCF)	
Blower **302** Current **(Hours)**			

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)		Resettable Total Flow (SCF)	
2 Days Ago Flow (SCF)		Reset Time	
3 Days Ago Flow (SCF)		Reset Date	
4 Days Ago Flow (SCF)			
5 Days Ago Flow (SCF)		**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)		Area #1 LEL	
7 Days Ago Flow (SCF)		Area #2 LEL	

Date And Time			
Date		Time	

KEY
°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch

in WC = inches water column
in Hg = inches Mercury
SP = Set Point

SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date		**Time**	
Technician		Wind Speed/Direction	15 W
Ambient Temperature (°F)		Barometric Pressure (in Hg)	29.71
Weather		**GEM I.D.**	

BLOWER STATION				
Blowers Status **301** (circle)	On	Off	Demister Inlet Valve Position (% Open)	10
Blowers Status **302** (circle)	On	Off	Demister Differential Pressure (in WC)	0
Methane (% Vol)	32.6		Nitrogen Pressure (psi)	700
Carbon Dioxide (% Vol)	16.5		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.0		Blower Inlet Temp. (°F)	98
Balance Gas (% Vol)	50.8		Blower Discharge Temp. (°F)	86
Inlet Vacuum (in WC)	6.972			

FLARE STATION		
Flare Inlet Pressure (in WC)	.502	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	6.1	Top Flare Temp. (°F)	1453
Flow Rate (SCFM)	61	Middle Flare Temp. (°F)	1512
LFG Oxygen (%)	0.0	Bottom Flare Temp. (°F)	1446
Blower Current (Amps)	5.4	Controlling Thermocouple	Middle
Flare Top Temp. (°F)	1457	Louver Position (% Closed)	35
Flare Middle Temp. (°F)	1515	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1440	Control Mode	AUTO
Area LEL (%)	5		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0.0	Current Flow (SCFM)	57
Blower **301** Current **(Hours)**	17858	Today's Total Flow (SCF)	54455
Blower **302** Current **(Amps)**	5.4	Total Flow (SCF)	2,537,510
Blower **302** Current **(Hours)**	16452		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	120203	Resettable Total Flow (SCF)	1,654,030
2 Days Ago Flow (SCF)	118645	Reset Time	11 2 3
3 Days Ago Flow (SCF)	127627	Reset Date	11 21 08
4 Days Ago Flow (SCF)	132658		
5 Days Ago Flow (SCF)	132611	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	132425	Area #1 LEL	5
7 Days Ago Flow (SCF)	135683	Area #2 LEL	5

Date And Time			
Date	12/16/08	Time	8:19:59

KEY

°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch
in WC = inches water column
in Hg = inches Mercury
SP = Set Point
SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date	12/17/10	**Time**	7 45
Technician	CDL	Wind Speed/Direction	12 NW
Ambient Temperature (°F)	50	Barometric Pressure (in Hg)	29.15
Weather	CLEAR	**GEM I.D.**	

BLOWER STATION				
Blowers Status **301** (circle)	On	(Off)	Demister Inlet Valve Position (% Open)	10
Blowers Status **302** (circle)	(On)	Off	Demister Differential Pressure (in WC)	0
Methane (% Vol)	32.2		Nitrogen Pressure (psi)	100
Carbon Dioxide (% Vol)	16.3		Blower Inlet Valve (% Open)	36
Oxygen (% Vol)	0.0		Blower Inlet Temp. (°F)	78
Balance Gas (% Vol)	51.2		Blower Discharge Temp. (°F)	88
Inlet Vacuum (in WC)	2.539			

FLARE STATION		
Flare Inlet Pressure (in WC)	.491	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	5.1	Top Flare Temp. (°F)	1433
Flow Rate (SCFM)	829	Middle Flare Temp. (°F)	1459
LFG Oxygen (%)	0.0	Bottom Flare Temp. (°F)	1433
Blower Current (Amps)	5.4	Controlling Thermocouple	Middle
Flare Top Temp. (°F)	1434	Louver Position (% Closed)	21
Flare Middle Temp. (°F)	1491	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1434	Control Mode	AUTO
Area LEL (%)	5		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0.0	Current Flow (SCFM)	91
Blower **301** Current **(Hours)**	17884	Today's Total Flow (SCF)	42744
Blower **302** Current **(Amps)**	5.4	Total Flow (SCF)	2225034
Blower **302** Current **(Hours)**	16576		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	130546	Resettable Total Flow (SCF)	9164254
2 Days Ago Flow (SCF)	126783	Reset Time	11 33 3
3 Days Ago Flow (SCF)	125645	Reset Date	11 21 08
4 Days Ago Flow (SCF)	127627		
5 Days Ago Flow (SCF)	130655	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	132621	Area #1 LEL	5
7 Days Ago Flow (SCF)	132895	Area #2 LEL	4

Date And Time			
Date	12/17/10	Time	7 47 08

KEY
°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch

in WC = inches water column
in Hg = inches Mercury
SP = Set Point

SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date	12/20/10	**Time**	7 40
Technician	RBL	Wind Speed/Direction	20 N
Ambient Temperature (°F)	30	Barometric Pressure (in Hg)	29.74
Weather	Clear	**GEM I.D.**	

BLOWER STATION				
Blowers Status **301** (circle)	On	Off	Demister Inlet Valve Position (% Open)	10
Blowers Status **302** (circle)	On	Off	Demister Differential Pressure (in WC)	0
Methane (% Vol)	32.4		Nitrogen Pressure (psi)	200
Carbon Dioxide (% Vol)	15.4		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.0		Blower Inlet Temp. (°F)	120
Balance Gas (% Vol)	51.1		Blower Discharge Temp. (°F)	78
Inlet Vacuum (in WC)	7.566			

FLARE STATION		
Flare Inlet Pressure (in WC)	.444	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	7.5	Top Flare Temp. (°F)	1419
Flow Rate (SCFM)	92	Middle Flare Temp. (°F)	1424
LFG Oxygen (%)	0.0	Bottom Flare Temp. (°F)	1415
Blower Current (Amps)	5.4	Controlling Thermocouple	middle
Flare Top Temp. (°F)	1419	Louver Position (% Closed)	10
Flare Middle Temp. (°F)	1424	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1415	Control Mode	AUTO
Area LEL (%)	5		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0.0	Current Flow (SCFM)	89
Blower **301** Current **(Hours)**	17584	Today's Total Flow (SCF)	411701
Blower **302** Current **(Amps)**	54	Total Flow (SCF)	2 028 98126
Blower **302** Current **(Hours)**	16555		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	131531	Resettable Total Flow (SCF)	92215374
2 Days Ago Flow (SCF)	132296	Reset Time	4 33 3
3 Days Ago Flow (SCF)	131312	Reset Date	11 21 08
4 Days Ago Flow (SCF)	130546		
5 Days Ago Flow (SCF)	126263	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	128645	Area #1 LEL	5
7 Days Ago Flow (SCF)	127627	Area #2 LEL	4

Date And Time			
Date	12/20/10	Time	7 32 30

KEY

°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch
in WC = inches water column
in Hg = inches Mercury
SP = Set Point
SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date	12/21/10	**Time**	8 [illegible]
Technician	Ray	Wind Speed/Direction	23 NNW
Ambient Temperature (°F)	30	Barometric Pressure (in Hg)	29.69
Weather	Clear	**GEM I.D.**	

BLOWER STATION				
Blowers Status **301** (circle)	On	(Off)	Demister Inlet Valve Position (% Open)	10
Blowers Status **302** (circle)	(On)	Off	Demister Differential Pressure (in WC)	0
Methane (% Vol)	33.9		Nitrogen Pressure (psi)	200
Carbon Dioxide (% Vol)	14.0		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.0		Blower Inlet Temp. (°F)	115
Balance Gas (% Vol)	52.1		Blower Discharge Temp. (°F)	84
Inlet Vacuum (in WC)	7.58			

FLARE STATION		
Flare Inlet Pressure (in WC)	[illegible]	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	[illegible]	Top Flare Temp. (°F)	[illegible]
Flow Rate (SCFM)	[illegible]	Middle Flare Temp. (°F)	[illegible]
LFG Oxygen (%)	[illegible]	Bottom Flare Temp. (°F)	[illegible]
Blower Current (Amps)	[illegible]	Controlling Thermocouple	[illegible]
Flare Top Temp. (°F)	1324	Louver Position (% Closed)	[illegible]
Flare Middle Temp. (°F)	[illegible]	Control Temperature (SP)	[illegible]
Flare Bottom Temp. (°F)	[illegible]	Control Mode	[illegible]
Area LEL (%)	5		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0.6	Current Flow (SCFM)	[illegible]
Blower **301** Current **(Hours)**	[illegible]	Today's Total Flow (SCF)	[illegible]
Blower **302** Current **(Amps)**	[illegible]	Total Flow (SCF)	[illegible]
Blower **302** Current **(Hours)**	[illegible]		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	[illegible]	Resettable Total Flow (SCF)	[illegible]
2 Days Ago Flow (SCF)	[illegible]	Reset Time	[illegible]
3 Days Ago Flow (SCF)	[illegible]	Reset Date	[illegible]
4 Days Ago Flow (SCF)	[illegible]		
5 Days Ago Flow (SCF)	[illegible]	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	[illegible]	Area #1 LEL	5
7 Days Ago Flow (SCF)	[illegible]	Area #2 LEL	4

Date And Time			
Date	12/21/10	Time	[illegible]

KEY

°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch
in WC = inches water column
in Hg = inches Mercury
SP = Set Point
SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date	12/22/10	**Time**	7:40
Technician	NS	Wind Speed/Direction	17 NW
Ambient Temperature (°F)	30	Barometric Pressure (in Hg)	29.85
Weather	Sunny Clear	**GEM I.D.**	

BLOWER STATION				
Blowers Status **301** (circle)	On	Off	Demister Inlet Valve Position (% Open)	10
Blowers Status **302** (circle)	On	Off	Demister Differential Pressure (in WC)	0
Methane (% Vol)	31.8		Nitrogen Pressure (psi)	70
Carbon Dioxide (% Vol)	35.2		Blower Inlet Valve (% Open)	39
Oxygen (% Vol)	3.3		Blower Inlet Temp. (°F)	52
Balance Gas (% Vol)	49.5		Blower Discharge Temp. (°F)	87
Inlet Vacuum (in WC)	-7.766			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.311	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	-9.0	Top Flare Temp. (°F)	1472
Flow Rate (SCFM)	98	Middle Flare Temp. (°F)	1508
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1476
Blower Current (Amps)	5.4	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1472	Louver Position (% Closed)	0
Flare Middle Temp. (°F)	1509	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1479	Control Mode	Auto
Area LEL (%)	5		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0	Current Flow (SCFM)	87
Blower **301** Current **(Hours)**	17884	Today's Total Flow (SCF)	0
Blower **302** Current **(Amps)**	5.4	Total Flow (SCF)	103610733
Blower **302** Current **(Hours)**	16636		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	130801	Resettable Total Flow (SCF)	9247652
2 Days Ago Flow (SCF)	131008	Reset Time	11:33:5
3 Days Ago Flow (SCF)	131837	Reset Date	11/21/08
4 Days Ago Flow (SCF)	130396		
5 Days Ago Flow (SCF)	131312	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	130546	Area #1 LEL	5
7 Days Ago Flow (SCF)	126103	Area #2 LEL	4

Date And Time			
Date	22 DEC 10	Time	7:46:23

KEY

°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch
in WC = inches water column
in Hg = inches Mercury
SP = Set Point
SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date	12/23/24	**Time**	10
Technician	RJC	Wind Speed/Direction	25 NNW
Ambient Temperature (°F)	25	Barometric Pressure (in Hg)	29.45
Weather	Clear	**GEM I.D.**	

BLOWER STATION				
Blowers Status **301** (circle)	On	Off	Demister Inlet Valve Position (% Open)	20
Blowers Status **302** (circle)	On	Off	Demister Differential Pressure (in WC)	8
Methane (% Vol)	27.6		Nitrogen Pressure (psi)	72
Carbon Dioxide (% Vol)	14.3		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	3.8		Blower Inlet Temp. (°F)	52
Balance Gas (% Vol)	54.2		Blower Discharge Temp. (°F)	74
Inlet Vacuum (in WC)	7.76			

FLARE STATION		
Flare Inlet Pressure (in WC)	4.46	
Flame Arrestor Differential Pressure (in WC)	3	
Aux Fuel Pressure (in WC) - Natural Gas	2	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	7.6	Top Flare Temp. (°F)	1466
Flow Rate (SCFM)	553	Middle Flare Temp. (°F)	1466
LFG Oxygen (%)	3.6	Bottom Flare Temp. (°F)	1452
Blower Current (Amps)	5.3	Controlling Thermocouple	Middle
Flare Top Temp. (°F)	1464	Louver Position (% Closed)	16
Flare Middle Temp. (°F)	1426	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1437	Control Mode	Auto
Area LEL (%)	5		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.6	Current Flow (SCFM)	564
Blower **301** Current **(Hours)**	17507	Today's Total Flow (SCF)	5415013
Blower **302** Current **(Amps)**	5.3	Total Flow (SCF)	illegible
Blower **302** Current **(Hours)**	11662		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	illegible	Resettable Total Flow (SCF)	illegible
2 Days Ago Flow (SCF)	130501	Reset Time	11 22
3 Days Ago Flow (SCF)	131048	Reset Date	11 21 24
4 Days Ago Flow (SCF)	131831		
5 Days Ago Flow (SCF)	132296	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	131312	Area #1 LEL	5
7 Days Ago Flow (SCF)	illegible	Area #2 LEL	4

Date And Time			
Date	12/23/24	Time	10:22 AM

KEY

°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch
in WC = inches water column
in Hg = inches Mercury
SP = Set Point
SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date	12/27/10	**Time**	10 00
Technician	RK	Wind Speed/Direction	31 NW
Ambient Temperature (°F)	28	Barometric Pressure (in Hg)	29.32
Weather	SNOW	**GEM I.D.**	

BLOWER STATION				
Blowers Status **301** (circle)	On	Off	Demister Inlet Valve Position (% Open)	16
Blowers Status **302** (circle)	On	Off	Demister Differential Pressure (in WC)	0
Methane (% Vol)	32.8		Nitrogen Pressure (psi)	[illegible]
Carbon Dioxide (% Vol)	14.1		Blower Inlet Valve (% Open)	32
Oxygen (% Vol)	0.0		Blower Inlet Temp. (°F)	[illegible]
Balance Gas (% Vol)	53.0		Blower Discharge Temp. (°F)	[illegible]
Inlet Vacuum (in WC)	93.59			

FLARE STATION		
Flare Inlet Pressure (in WC)	174	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	[illegible]	Top Flare Temp. (°F)	1324
Flow Rate (SCFM)	[illegible]	Middle Flare Temp. (°F)	1358
LFG Oxygen (%)	0.0	Bottom Flare Temp. (°F)	1303
Blower Current (Amps)	51.2	Controlling Thermocouple	Middle
Flare Top Temp. (°F)	1320	Louver Position (% Closed)	100
Flare Middle Temp. (°F)	1358	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1304	Control Mode	Auto
Area LEL (%)	6		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0.0	Current Flow (SCFM)	0
Blower **301** Current **(Hours)**	1765	Today's Total Flow (SCF)	553251
Blower **302** Current **(Amps)**	51.2	Total Flow (SCF)	203524207
Blower **302** Current **(Hours)**	1675		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	134574	Resettable Total Flow (SCF)	9514022
2 Days Ago Flow (SCF)	131561	Reset Time	1333
3 Days Ago Flow (SCF)	131112	Reset Date	11 21 08
4 Days Ago Flow (SCF)	130464		
5 Days Ago Flow (SCF)	130256	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	130501	Area #1 LEL	6
7 Days Ago Flow (SCF)	131098	Area #2 LEL	4

Date And Time			
Date	12/27/10	Time	9 56 28

KEY

°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch

in WC = inches water column
in Hg = inches Mercury
SP = Set Point

SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date	12/28/10	**Time**	1 45
Technician	[illegible]	Wind Speed/Direction	14 NW
Ambient Temperature (°F)	40	Barometric Pressure (in Hg)	29.69
Weather	Sunny	**GEM I.D.**	

BLOWER STATION				
Blowers Status **301** (circle)	On	Off	Demister Inlet Valve Position (% Open)	10
Blowers Status **302** (circle)	On	Off	Demister Differential Pressure (in WC)	0
Methane (% Vol)	27.4		Nitrogen Pressure (psi)	200
Carbon Dioxide (% Vol)	11.5		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	3		Blower Inlet Temp. (°F)	50
Balance Gas (% Vol)	53.0		Blower Discharge Temp. (°F)	58
Inlet Vacuum (in WC)	5.308			

FLARE STATION		
Flare Inlet Pressure (in WC)	.411	
Flame Arrestor Differential Pressure (in WC)	6	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	5.2	Top Flare Temp. (°F)	1545
Flow Rate (SCFM)	56	Middle Flare Temp. (°F)	1607
LFG Oxygen (%)	0.0	Bottom Flare Temp. (°F)	1562
Blower Current (Amps)	57.4	Controlling Thermocouple	middle
Flare Top Temp. (°F)	1538	Louver Position (% Closed)	0
Flare Middle Temp. (°F)	1614	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1555	Control Mode	AUTO
Area LEL (%)	4		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0.0	Current Flow (SCFM)	91
Blower **301** Current **(Hours)**	17884	Today's Total Flow (SCF)	73044
Blower **302** Current **(Amps)**	57.3	Total Flow (SCF)	2 034 21 417
Blower **302** Current **(Hours)**	16786		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	126569	Resettable Total Flow (SCF)	93287231
2 Days Ago Flow (SCF)	125570	Reset Time	11 33 3
3 Days Ago Flow (SCF)	131551	Reset Date	11 21 08
4 Days Ago Flow (SCF)	131112		
5 Days Ago Flow (SCF)	130454	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	130786	Area **#1** LEL	4
7 Days Ago Flow (SCF)	130501	Area **#2** LEL	4

Date And Time			
Date	12/28/10	Time	13 43 57

KEY

°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch
in WC = inches water column
in Hg = inches Mercury
SP = Set Point
SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date	12-29-10	**Time**	9:35 am
Technician	E. McLEAN	Wind Speed/Direction	16 NW
Ambient Temperature (°F)	35	Barometric Pressure (in Hg)	30.09
Weather	Windy, Cold. ~~Sunny~~ Cloudy	**GEM I.D.**	

BLOWER STATION				
Blowers Status **301** (circle)	On	Off	Demister Inlet Valve Position (% Open)	10
Blowers Status **302** (circle)	(On)	Off	Demister Differential Pressure (in WC)	0
Methane (% Vol)	50.5		Nitrogen Pressure (psi)	700
Carbon Dioxide (% Vol)	16.3		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	1.5		Blower Inlet Temp. (°F)	48
Balance Gas (% Vol)	31.7		Blower Discharge Temp. (°F)	89
Inlet Vacuum (in WC)	10.33			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.298	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	9.2	Top Flare Temp. (°F)	1450
Flow Rate (SCFM)	90	Middle Flare Temp. (°F)	1506
LFG Oxygen (%)	2.0	Bottom Flare Temp. (°F)	1481
Blower Current (Amps)	5.3	Controlling Thermocouple	MIDDLE
Flare Top Temp. (°F)	1453	Louver Position (% Closed)	59
Flare Middle Temp. (°F)	1507	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1474	Control Mode	AUTO
Area LEL (%)	5		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0.0	Current Flow (SCFM)	91
Blower **301** Current **(Hours)**	17884	Today's Total Flow (SCF)	50615
Blower **302** Current **(Amps)**	5.3	Total Flow (SCF)	2240776 28
Blower **302** Current **(Hours)**	16805		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	108550	Resettable Total Flow (SCF)	933933538
2 Days Ago Flow (SCF)	126569	Reset Time	11:33:3
3 Days Ago Flow (SCF)	139570	Reset Date	11/21/08
4 Days Ago Flow (SCF)	131581		
5 Days Ago Flow (SCF)	131112	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	130494	Area #1 LEL	5
7 Days Ago Flow (SCF)	130786	Area #2 LEL	4

Date And Time			
Date	29-DEC-10	Time	9:38:33 (29-DEC-10)

KEY

°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch

in WC = inches water column
in Hg = inches Mercury
SP = Set Point

SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

PENNSYLVANIA AVENUE LANDFILL
LFG-1: LANDFILL GAS MANAGEMENT SYSTEM DAILY INSPECTION LOG

Date	12-30-10	**Time**	9.10am.
Technician	E McLEAN	Wind Speed/Direction	Calm
Ambient Temperature (°F)	28	Barometric Pressure (in Hg)	30.34
Weather	Partly cloudy	**GEM I.D.**	

BLOWER STATION				
Blowers Status **301** (circle)	On	Off	Demister Inlet Valve Position (% Open)	0
Blowers Status **302** (circle)	(On)	Off	Demister Differential Pressure (in WC)	0
Methane (% Vol)	39.6		Nitrogen Pressure (psi)	700
Carbon Dioxide (% Vol)	16.4		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.0		Blower Inlet Temp. (°F)	50
Balance Gas (% Vol)	51.6		Blower Discharge Temp. (°F)	96
Inlet Vacuum (in WC)	-10.318			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.321	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	13.1	Top Flare Temp. (°F)	1427
Flow Rate (SCFM)	92	Middle Flare Temp. (°F)	1509
LFG Oxygen (%)	0.0	Bottom Flare Temp. (°F)	1460
Blower Current (Amps)	5.3	Controlling Thermocouple	MIDDLE
Flare Top Temp. (°F)	1431	Louver Position (% Closed)	0
Flare Middle Temp. (°F)	1509	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1459	Control Mode	Auto
Area LEL (%)	5		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0.0	Current Flow (SCFM)	89
Blower **301** Current **(Hours)**	17884	Today's Total Flow (SCF)	49545
Blower **302** Current **(Amps)**	5.3	Total Flow (SCF)	204206236
Blower **302** Current **(Hours)**	16859		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	139373	Resettable Total Flow (SCF)	935333309
2 Days Ago Flow (SCF)	138550	Reset Time	11:33:3
3 Days Ago Flow (SCF)	126569	Reset Date	11/21/08
4 Days Ago Flow (SCF)	139570		
5 Days Ago Flow (SCF)	131581	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	131113	Area #1 LEL	5
7 Days Ago Flow (SCF)	130494	Area #2 LEL	3

Date And Time			
Date	30 DEC -10	Time	9:14:59

KEY

°F = degrees Fahrenheit
% Vol = percent by volume
psi = pounds per square inch

in WC = inches water column
in Hg = inches Mercury
SP = Set Point

SCFM = standard cubic feet per minute
SCF = Standard Cubic Feet
NA = Not Available

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

12/01/2010 8:17 AM

PRODUCT INUNTORY SUMMARY

(GROSS UOLUME)

PROD 1 1501.8 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

12/02/2010 7:56 AM

PRODUCT INUNTORY SUMMARY

(GROSS UOLUME)

PROD 1 1502.3 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

12/03/2010 12:16 PM

PRODUCT INUNTORY SUMMARY

(GROSS UOLUME)

PROD 1 1503.7 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

12/06/2010 7:05 AM

PRODUCT INUNTORY SUMMARY

(GROSS UOLUME)

PROD 1 1508.8 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

12/07/2010 10:25 AM

PRODUCT INUNTORY SUMMARY

(GROSS UOLUME)

PROD 1 1511.6 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

12/08/2010 9:54 AM

PRODUCT INUNTORY SUMMARY

(GROSS UOLUME)

PROD 1 1512.7 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

12/09/2010 7:32 AM

PRODUCT INUNTORY SUMMARY

(GROSS UOLUME)

PROD 1 1514.0 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

12/10/2010 8:16 AM

PRODUCT INUNTORY SUMMARY

(GROSS UOLUME)

PROD 1 1515.3 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

12/13/2010 7:32 AM

PRODUCT INUNTORY SUMMARY

(GROSS UOLUME)

PROD 1 1519.4 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

12/14/2010 7:21 AM

PRODUCT INUNTORY SUMMARY

(GROSS UOLUME)

PROD 1 1521.1 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

12/15/2010 7:08 AM

PRODUCT INUNTORY SUMMARY

(GROSS UOLUME)

PROD 1 1523.2 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

12/16/2010 8:22 AM

PRODUCT INUNTORY SUMMARY

(GROSS UOLUME)

PROD 1 1524.8 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

12/17/2010 7:51 AM

PRODUCT INUNTORY SUMMARY

(GROSS UOLUME)

PROD 1 1526.3 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

12/20/2010 7:43 AM

PRODUCT INUNTORY SUMMARY

(GROSS UOLUME)

PROD 1 1531.2 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

12/21/2010 8:13 AM

PRODUCT INUNTORY SUMMARY

(GROSS UOLUME)

PROD 1 1533.9 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

12/22/2010 7:46 AM

TANK INUENTORY SUMMARY

(GROSS UOLUME)

TANK 1 1535.0 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

12/23/2010 10:06 AM

PRODUCT INUNTORY SUMMARY

(GROSS UOLUME)

PROD 1 1536.1 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

12/27/2010 10:00 AM

PRODUCT INUNTORY SUMMARY

(GROSS UOLUME)

PROD 1 1542.9 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

12/28/2010 1:43 PM

PRODUCT INUNTORY SUMMARY

(GROSS UOLUME)

PROD 1 1544.2 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

12/29/2010 9:34 AM

TANK INUENTORY SUMMARY

(GROSS UOLUME)

TANK 1 1544.7 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

12/30/2010 9:19 AM

TANK INUENTORY SUMMARY

(GROSS UOLUME)

TANK 1 1544.9 GAL

Landfill Gas Management System

LFG-2 Biweekly Inspections

(October, November and December, 2010)

FORM LFG-2
WEEKLY / BI-WEEKLY INSPECTION
LANDFILL GAS MANAGEMENT SYSTEM
PENNSYLVANIA AVENUE LANDFILL

	Date:	10/5/10					10/7/10				
	Time:	7:50					2:04 pm				
	Technician:	NS									
1. OPERATING BLOWER (Circle)		(301)	302				(301)	302			
1A	Noise or Vibration	(OK)	Bad				(OK)	Bad			
1B	Measurable or Odiferous Gas Leaks	(No)	Yes				(No)	Yes			
2. CONTROL PANEL – Motor Control											
2A	Blower Running Light (Circle)	Off	(On)				Off	(On)			
2B	Blower 1 or 2 Current Alarm	(Off)	On				(Off)	On			
2C	High Motor Current Alarm	(Off)	On				(Off)	On			
2D	Alarm Shutdown Reset Button	OK					OK				
3. CONTROL PANEL											
3A	Panel Power Switch	Off	(On)				Off	On			
3B	System	Test	Off	(Auto)			Test	Off	(Auto)		
3C	Blower Operation	Test	Off	(Auto)			Test	Off	(Auto)		
3D	Blower Run Green Light	Off	(On)				Off	(On)			
3E	Purge System	Test	Off	(Auto)			Test	Off	(Auto)		
3F	Purge On Green Light	(Off)	On				(Off)	On			
3G	Flare Pilot	Test	(Auto)				Test	(Auto)			
3H	Flame On Green Light	Off	(On)				Off	(On)			
3I	Auxiliary Fuel (Natural Gas)	Hand	Off	(Auto)			Hand	Off	(Auto)		
3J	Flare Shutdown Valve	Open	Closed	(Auto)			Open	Closed	(Auto)		
3K	Shutdown Valve Open Green Light	(Off)	On				(Off)	On			
3L	Condensate Tank Overfill Alarm Amber Light	(Off)	On				(Off)	On			
3M	Condensate Tank High Alarm Light	(Off)	On				(Off)	On			
3N	Condensate Tank Leak Alarm Light	(Off)	On				(Off)	On			
3O	Condensate Tank Alarm Test	(Yes)	No				(Yes)	No			
3P	Condensate Tank Power Green Light	(Off)	On				Off	(On)			
3Q	Condensate Tank Warning Amber Light	(Off)	On				(Off)	On			
3R	Condensate Tank Alarm Red Light	(Off)	On				(Off)	On			
4. FLARE											
4A	Flame Condition (Color & Stability)	(Good)	Bad				(Good)	Bad			
4B	Abnormal Burner Hot Spots	Yes	(No)				Yes	(No)			
4C	Unusual Sounds or Odors	Yes	(No)				Yes	(No)			
4D	Damper Motor Running	(Yes)	No				(Yes)	No			
4E	Manual Damper Position – Left Lever	(Up)	Down				(Up)	Down			
4F	Manual Damper Position – Right Lever	Up	(Down)				Up	(Down)			
5. PIPING											
5A	Piping General Condition	Good					Good				
5B	Inlet Valve Position	100	% Open				100	% Open			
5C	Gauges Operational	(Yes)	No				(Yes)	No			
6. SITE CONDITIONS (Vandalism, Cleanliness)		(Good)	Bad				(Good)	Bad			
Comments:											

FORM LFG-2
WEEKLY / BI-WEEKLY INSPECTION
LANDFILL GAS MANAGEMENT SYSTEM
PENNSYLVANIA AVENUE LANDFILL

	Date:	10/12/10				10/14/10					
	Time:	8 00				8 30					
	Technician:	RA									
1. OPERATING BLOWER (Circle)		**301**		**302**		**301**		**302**			
1A	Noise or Vibration	OK		Bad		OK		Bad			
1B	Measurable or Odiferous Gas Leaks	No		Yes		No		Yes			
2. CONTROL PANEL – Motor Control											
2A	Blower Running Light (Circle)	Off		On		Off		On			
2B	Blower 1 or 2 Current Alarm	Off		On		Off		On			
2C	High Motor Current Alarm	Off		On		Off		On			
2D	Alarm Shutdown Reset Button	OK				OK					
3. CONTROL PANEL											
3A	Panel Power Switch	Off		On		Off		On			
3B	System	Test	Off	Auto		Test	Off	Auto			
3C	Blower Operation	Test	Off	Auto		Test	Off	Auto			
3D	Blower Run Green Light	Off		On		Off		On			
3E	Purge System	Test	Off	Auto		Test	Off	Auto			
3F	Purge On Green Light	Off		On		Off		On			
3G	Flare Pilot	Test		Auto		Test		Auto			
3H	Flame On Green Light	Off		On		Off		On			
3I	Auxiliary Fuel (Natural Gas)	Hand	Off	Auto		Hand	Off	Auto			
3J	Flare Shutdown Valve	Open	Closed	Auto		Open	Closed	Auto			
3K	Shutdown Valve Open Green Light	Off		On		Off		On			
3L	Condensate Tank Overfill Alarm Amber Light	Off		On		Off		On			
3M	Condensate Tank High Alarm Light	Off		On		Off		On			
3N	Condensate Tank Leak Alarm Light	Off		On		Off		On			
3O	Condensate Tank Alarm Test	Yes		No		Yes		No			
3P	Condensate Tank Power Green Light	Off		On		Off		On			
3Q	Condensate Tank Warning Amber Light	Off		On		Off		On			
3R	Condensate Tank Alarm Red Light	Off		On		Off		On			
4. FLARE											
4A	Flame Condition (Color & Stability)	Good		Bad		Good		Bad			
4B	Abnormal Burner Hot Spots	Yes		No		Yes		No			
4C	Unusual Sounds or Odors	Yes		No		Yes		No			
4D	Damper Motor Running	Yes		No		Yes		No			
4E	Manual Damper Position – Left Lever	Up		Down		Up		Down			
4F	Manual Damper Position – Right Lever	Up		Down		Up		Down			
5. PIPING											
5A	Piping General Condition	Good				Good					
5B	Inlet Valve Position	100 % Open				100 % Open					
5C	Gauges Operational	Yes		No		Yes		No			
6. SITE CONDITIONS (Vandalism, Cleanliness)		Good		Bad		Good		Bad			
Comments:											

FORM LFG-2
WEEKLY / BI-WEEKLY INSPECTION
LANDFILL GAS MANAGEMENT SYSTEM
PENNSYLVANIA AVENUE LANDFILL

	Date:	10/19/10			10/21/10		
	Time:	8 50			8 05		
	Technician:	RAL			RAL		
1. OPERATING BLOWER (Circle)		(301)	302		(301)	302	
1A	Noise or Vibration	(OK)	Bad		(OK)	Bad	
1B	Measurable or Odiferous Gas Leaks	(No)	Yes		(No)	Yes	
2. CONTROL PANEL – Motor Control							
2A	Blower Running Light (Circle)	Off	(On)		Off	(On)	
2B	Blower 1 or 2 Current Alarm	(Off)	On		(Off)	On	
2C	High Motor Current Alarm	(Off)	On		(Off)	On	
2D	Alarm Shutdown Reset Button	OK			OK		
3. CONTROL PANEL							
3A	Panel Power Switch	Off	(On)		Off	(On)	
3B	System	Test	Off	(Auto)	Test	Off	(Auto)
3C	Blower Operation	Test	Off	(Auto)	Test	Off	(Auto)
3D	Blower Run Green Light	Off	(On)		Off	(On)	
3E	Purge System	Test	Off	(Auto)	Test	Off	(Auto)
3F	Purge On Green Light	(Off)	On		(Off)	On	
3G	Flare Pilot	Test	(Auto)		Test	(Auto)	
3H	Flame On Green Light	Off	(On)		Off	(On)	
3I	Auxiliary Fuel (Natural Gas)	Hand	Off	(Auto)	Hand	Off	(Auto)
3J	Flare Shutdown Valve	Open	Closed	(Auto)	Open	Closed	(Auto)
3K	Shutdown Valve Open Green Light	(Off)	On		(Off)	On	
3L	Condensate Tank Overfill Alarm Amber Light	(Off)	On		(Off)	On	
3M	Condensate Tank High Alarm Light	(Off)	On		(Off)	On	
3N	Condensate Tank Leak Alarm Light	(Off)	On		(Off)	On	
3O	Condensate Tank Alarm Test	(Yes)	No		(Yes)	No	
3P	Condensate Tank Power Green Light	Off	(On)		Off	(On)	
3Q	Condensate Tank Warning Amber Light	(Off)	On		(Off)	On	
3R	Condensate Tank Alarm Red Light	(Off)	On		(Off)	On	
4. FLARE							
4A	Flame Condition (Color & Stability)	(Good)	Bad		(Good)	Bad	
4B	Abnormal Burner Hot Spots	Yes	(No)		Yes	(No)	
4C	Unusual Sounds or Odors	Yes	(No)		Yes	(No)	
4D	Damper Motor Running	(Yes)	No		(Yes)	No	
4E	Manual Damper Position – Left Lever	(Up)	(Down)		(Up)	Down	
4F	Manual Damper Position – Right Lever	Up	(Down)		Up	(Down)	
5. PIPING							
5A	Piping General Condition	Good			Good		
5B	Inlet Valve Position	100	% Open		100	% Open	
5C	Gauges Operational	(Yes)	No		(Yes)	No	
6. SITE CONDITIONS (Vandalism, Cleanliness)		(Good)	Bad		(Good)	Bad	
Comments:							

FORM LFG-2
WEEKLY / BI-WEEKLY INSPECTION
LANDFILL GAS MANAGEMENT SYSTEM
PENNSYLVANIA AVENUE LANDFILL

	Date:	10/26/10				10/26/10				
	Time:	8 00				7 50				
	Technician:	RA/								
1. OPERATING BLOWER (Circle)		(301)	302			(301)	302			
1A	Noise or Vibration	(OK)	Bad			(OK)	Bad			
1B	Measurable or Odiferous Gas Leaks	(No)	Yes			(No)	Yes			
2. CONTROL PANEL – Motor Control										
2A	Blower Running Light (Circle)	Off	(On)			Off	(On)			
2B	Blower 1 or 2 Current Alarm	(Off)	On			(Off)	On			
2C	High Motor Current Alarm	(Off)	On			(Off)	On			
2D	Alarm Shutdown Reset Button	OK				OK				
3. CONTROL PANEL										
3A	Panel Power Switch	Off	(On)			Off	(On)			
3B	System	Test	Off	(Auto)		Test	Off	(Auto)		
3C	Blower Operation	Test	Off	(Auto)		Test	Off	(Auto)		
3D	Blower Run Green Light	Off	(On)			Off	(On)			
3E	Purge System	Test	Off	(Auto)		Test	Off	(Auto)		
3F	Purge On Green Light	(Off)	On			(Off)	On			
3G	Flare Pilot	Test	(Auto)			Test	(Auto)			
3H	Flame On Green Light	Off	(On)			Off	(On)			
3I	Auxiliary Fuel (Natural Gas)	Hand	Off	(Auto)		Hand	Off	(Auto)		
3J	Flare Shutdown Valve	Open	Closed	(Auto)		Open	Closed	(Auto)		
3K	Shutdown Valve Open Green Light	(Off)	On			(Off)	On			
3L	Condensate Tank Overfill Alarm Amber Light	(Off)	On			(Off)	On			
3M	Condensate Tank High Alarm Light	(Off)	On			(Off)	On			
3N	Condensate Tank Leak Alarm Light	(Off)	On			(Off)	On			
3O	Condensate Tank Alarm Test	(Yes)	No			(Yes)	No			
3P	Condensate Tank Power Green Light	Off	(On)			Off	(On)			
3Q	Condensate Tank Warning Amber Light	(Off)	On			(Off)	On			
3R	Condensate Tank Alarm Red Light	(Off)	On			(Off)	On			
4. FLARE										
4A	Flame Condition (Color & Stability)	(Good)	Bad			(Good)	Bad			
4B	Abnormal Burner Hot Spots	Yes	(No)			Yes	(No)			
4C	Unusual Sounds or Odors	Yes	(No)			Yes	(No)			
4D	Damper Motor Running	(Yes)	No			(Yes)	No			
4E	Manual Damper Position – Left Lever	(Up)	Down			(Up)	Down			
4F	Manual Damper Position – Right Lever	Up	(Down)			Up	(Down)			
5. PIPING										
5A	Piping General Condition	Good				Good				
5B	Inlet Valve Position	100	% Open				% Open			
5C	Gauges Operational	(Yes)	No			(Yes)	No			
6. SITE CONDITIONS (Vandalism, Cleanliness)		(Good)	Bad			(Good)	Bad			
Comments:										

AUXILIARY / NATURAL GAS METER READINGS (X 100 = cubic feet)		
DATE	TEMPERATURE COMPENSATED (60 °F Base Temp)	NON-COMPENSATED
10/5/10	3862983	03779314
10/7/10	3880900	0379645 7

AUXILIARY / NATURAL GAS METER READINGS (X 100 = cubic feet)		
DATE	TEMPERATURE COMPENSATED (60 °F Base Temp)	NON-COMPENSATED
10/12/10	3924414	3838330
10/14/10	3945286	3858240

AUXILIARY / NATURAL GAS METER READINGS (X 100 = cubic feet)		
DATE	TEMPERATURE COMPENSATED (60 °F Base Temp)	NON-COMPENSATED
10/19/10	3999289	3909523
10/21/10	4020550	3929730

AUXILIARY / NATURAL GAS METER READINGS (X 100 = cubic feet)		
DATE	TEMPERATURE COMPENSATED (60 °F Base Temp)	NON-COMPENSATED
10/26/10	4074406	3981294
10/28/10	4095812	4001999

DP-1

DESCRIPTION OF DEFICIENCIES AND PROBLEMS

LFG-1 and LFG-2: Landfill Gas Management System

Pennsylvania Avenue Landfill

October 2010

Inspected by: Nate Somerville

Date	Location	Description	Corrective Action	Status	Date Completed
9/10//10	Flare Station – UV flame detection	Det-Tronics UV flame detectors setting off false fire alarms	Tech serviced sensors and said that they needed replacement.	Sent one sensor to Det-Tronics for testing and repair.	10/15/10
10/12/10	Flare Station- Middle Thermocouple	Malfunction	Replacement	Removed the thermocouple. Manufacturer went out of business. Contacting Perennial for substitute.	
10/18/10	Flare Station – UV flame detection	Received another UV sensor related false fire alarm.	Tried to identify source. Contacted Detronics and provided photos and plans to determine possible solution.	Still troubleshooting.	

FORM LFG-2
WEEKLY / BI-WEEKLY INSPECTION
LANDFILL GAS MANAGEMENT SYSTEM
PENNSYLVANIA AVENUE LANDFILL

	Date:	11/2/10					11/4/10				
	Time:	900					10 15				
	Technician:	Roy					CAT				
1. OPERATING BLOWER (Circle)		(301)	302				301	302			
1A	Noise or Vibration	(OK)	Bad				OK	Bad			
1B	Measurable or Odiferous Gas Leaks	(No)	Yes				No	Yes			
2. CONTROL PANEL – Motor Control											
2A	Blower Running Light (Circle)	Off	(On)				Off	(On)			
2B	Blower 1 or 2 Current Alarm	(Off)	On				(Off)	On			
2C	High Motor Current Alarm	(Off)	On				(Off)	On			
2D	Alarm Shutdown Reset Button	OK					OK				
3. CONTROL PANEL											
3A	Panel Power Switch	Off	(On)				Off	(On)			
3B	System	Test	Off	(Auto)			Test	Off	(Auto)		
3C	Blower Operation	Test	Off	(Auto)			Test	Off	(Auto)		
3D	Blower Run Green Light	Off	(On)				Off	(On)			
3E	Purge System	Test	Off	(Auto)			Test	Off	(Auto)		
3F	Purge On Green Light	(Off)	On				(Off)	On			
3G	Flare Pilot	Test	(Auto)				Test	(Auto)			
3H	Flame On Green Light	Off	(On)				Off	(On)			
3I	Auxiliary Fuel (Natural Gas)	Hand	Off	(Auto)			Hand	Off	(Auto)		
3J	Flare Shutdown Valve	Open	Closed	(Auto)			Open	Closed	(Auto)		
3K	Shutdown Valve Open Green Light	(Off)	On				(Off)	On			
3L	Condensate Tank Overfill Alarm Amber Light	(Off)	On				(Off)	On			
3M	Condensate Tank High Alarm Light	(Off)	On				(Off)	On			
3N	Condensate Tank Leak Alarm Light	(Off)	On				(Off)	On			
3O	Condensate Tank Alarm Test	(Yes)	No				(Yes)	No			
3P	Condensate Tank Power Green Light	Off	(On)				Off	(On)			
3Q	Condensate Tank Warning Amber Light	(Off)	On				(Off)	On			
3R	Condensate Tank Alarm Red Light	(Off)	On				(Off)	On			
4. FLARE											
4A	Flame Condition (Color & Stability)	(Good)	Bad				(Good)	Bad			
4B	Abnormal Burner Hot Spots	Yes	(No)				Yes	(No)			
4C	Unusual Sounds or Odors	Yes	(No)				Yes	(No)			
4D	Damper Motor Running	(Yes)	No				(Yes)	No			
4E	Manual Damper Position – Left Lever	(Up)	Down				(Up)	Down			
4F	Manual Damper Position – Right Lever	Up	(Down)				Up	(Down)			
5. PIPING											
5A	Piping General Condition	GOOD					GOOD				
5B	Inlet Valve Position	100	% Open				100	% Open			
5C	Gauges Operational	(Yes)	No				(Yes)	No			
6. SITE CONDITIONS (Vandalism, Cleanliness)		(Good)	Bad				(Good)	Bad			
Comments:											

FORM LFG-2
WEEKLY / BI-WEEKLY INSPECTION
LANDFILL GAS MANAGEMENT SYSTEM
PENNSYLVANIA AVENUE LANDFILL

	Date:	11/9/10					11/11/10				
	Time:	7 41					8 15				
	Technician:	RDY									
1. OPERATING BLOWER (Circle)		(301)	302				(301)	302			
1A	Noise or Vibration	(OK)	Bad				(OK)	Bad			
1B	Measurable or Odiferous Gas Leaks	(No)	Yes				(No)	Yes			
2. CONTROL PANEL – Motor Control											
2A	Blower Running Light (Circle)	Off	(On)				Off	(On)			
2B	Blower 1 or 2 Current Alarm	(Off)	On				(Off)	On			
2C	High Motor Current Alarm	(Off)	On				(Off)	On			
2D	Alarm Shutdown Reset Button	OK					OK				
3. CONTROL PANEL											
3A	Panel Power Switch	Off	(On)				Off	(On)			
3B	System	Test	Off	(Auto)			Test	Off	(Auto)		
3C	Blower Operation	Test	Off	(Auto)			Test	Off	(Auto)		
3D	Blower Run Green Light	Off	(On)				Off	(On)			
3E	Purge System	Test	Off	(Auto)			Test	Off	(Auto)		
3F	Purge On Green Light	(Off)	On				(Off)	On			
3G	Flare Pilot	Test	(Auto)				Test	(Auto)			
3H	Flame On Green Light	Off	(On)				Off	(On)			
3I	Auxiliary Fuel (Natural Gas)	Hand	Off	(Auto)			Hand	Off	(Auto)		
3J	Flare Shutdown Valve	Open	Closed	(Auto)			Open	Closed	(Auto)		
3K	Shutdown Valve Open Green Light	(Off)	On				(Off)	On			
3L	Condensate Tank Overfill Alarm Amber Light	(Off)	On				(Off)	On			
3M	Condensate Tank High Alarm Light	(Off)	On				(Off)	On			
3N	Condensate Tank Leak Alarm Light	(Off)	On				(Off)	On			
3O	Condensate Tank Alarm Test	(Yes)	No				(Yes)	No			
3P	Condensate Tank Power Green Light	Off	(On)				Off	(On)			
3Q	Condensate Tank Warning Amber Light	(Off)	On				(Off)	On			
3R	Condensate Tank Alarm Red Light	(Off)	On				(Off)	On			
4. FLARE											
4A	Flame Condition (Color & Stability)	(Good)	Bad				(Good)	Bad			
4B	Abnormal Burner Hot Spots	Yes	(No)				Yes	(No)			
4C	Unusual Sounds or Odors	Yes	(No)				Yes	(No)			
4D	Damper Motor Running	(Yes)	No				(Yes)	No			
4E	Manual Damper Position – Left Lever	(Up)	Down				(Up)	Down			
4F	Manual Damper Position – Right Lever	Up	(Down)				Up	(Down)			
5. PIPING											
5A	Piping General Condition	Good					Good				
5B	Inlet Valve Position	100	% Open				100	% Open			
5C	Gauges Operational	(Yes)	No				(Yes)	No			
6. SITE CONDITIONS (Vandalism, Cleanliness)		(Good)	Bad				(Good)	Bad			
Comments:											

FORM LFG-2
WEEKLY / BI-WEEKLY INSPECTION
LANDFILL GAS MANAGEMENT SYSTEM
PENNSYLVANIA AVENUE LANDFILL

	Date:	11/16/10					11/18/10				
	Time:	8 15					8 30				
	Technician:	RAJ									
1. OPERATING BLOWER (Circle)		301		302			301		302		
1A	Noise or Vibration	OK		Bad			OK		Bad		
1B	Measurable or Odiferous Gas Leaks	No		Yes			No		Yes		
2. CONTROL PANEL – Motor Control											
2A	Blower Running Light (Circle)	Off		On			Off		On		
2B	Blower 1 or 2 Current Alarm	Off		On			Off		On		
2C	High Motor Current Alarm	Off		On			Off		On		
2D	Alarm Shutdown Reset Button	OK					OK				
3. CONTROL PANEL											
3A	Panel Power Switch	Off		On			Off		On		
3B	System	Test	Off	Auto			Test	Off	Auto		
3C	Blower Operation	Test	Off	Auto			Test	Off	Auto		
3D	Blower Run Green Light	Off		On			Off		On		
3E	Purge System	Test	Off	Auto			Test	Off	Auto		
3F	Purge On Green Light	Off		On			Off		On		
3G	Flare Pilot	Test		Auto			Test		Auto		
3H	Flame On Green Light	Off		On			Off		On		
3I	Auxiliary Fuel (Natural Gas)	Hand	Off	Auto			Hand	Off	Auto		
3J	Flare Shutdown Valve	Open	Closed	Auto			Open	Closed	Auto		
3K	Shutdown Valve Open Green Light	Off		On			Off		On		
3L	Condensate Tank Overfill Alarm Amber Light	Off		On			Off		On		
3M	Condensate Tank High Alarm Light	Off		On			Off		On		
3N	Condensate Tank Leak Alarm Light	Off		On			Off		On		
3O	Condensate Tank Alarm Test	Yes		No			Yes		No		
3P	Condensate Tank Power Green Light	Off		On			Off		On		
3Q	Condensate Tank Warning Amber Light	Off		On			Off		On		
3R	Condensate Tank Alarm Red Light	Off		On			Off		On		
4. FLARE											
4A	Flame Condition (Color & Stability)	Good		Bad			Good		Bad		
4B	Abnormal Burner Hot Spots	Yes		No			Yes		No		
4C	Unusual Sounds or Odors	Yes		No			Yes		No		
4D	Damper Motor Running	Yes		No			Yes		No		
4E	Manual Damper Position – Left Lever	Up		Down			Up		Down		
4F	Manual Damper Position – Right Lever	Up		Down			Up		Down		
5. PIPING											
5A	Piping General Condition	Good					Good				
5B	Inlet Valve Position	100	% Open				100	% Open			
5C	Gauges Operational	Yes		No			Yes		No		
6. SITE CONDITIONS (Vandalism, Cleanliness)		Good		Bad			Good		Bad		

Comments: Switch to Blower 302 at 8 30

FORM LFG-2
WEEKLY / BI-WEEKLY INSPECTION
LANDFILL GAS MANAGEMENT SYSTEM
PENNSYLVANIA AVENUE LANDFILL

	Date:	11/22/10			11/29/10		
	Time:	12 30			8 30		
	Technician:	RM			RM		
1. OPERATING BLOWER (Circle)		**301**	**302**		**301**	**302**	
1A	Noise or Vibration	OK	Bad		OK	Bad	
1B	Measurable or Odiferous Gas Leaks	No	Yes		No	Yes	
2. CONTROL PANEL – Motor Control							
2A	Blower Running Light (Circle)	Off	On		Off	On	
2B	Blower 1 or 2 Current Alarm	Off	On		Off	On	
2C	High Motor Current Alarm	Off	On		Off	On	
2D	Alarm Shutdown Reset Button	OK			OK		
3. CONTROL PANEL							
3A	Panel Power Switch	Off	On		Off	On	
3B	System	Test	Off	Auto	Test	Off	Auto
3C	Blower Operation	Test	Off	Auto	Test	Off	Auto
3D	Blower Run Green Light	Off	On		Off	On	
3E	Purge System	Test	Off	Auto	Test	Off	Auto
3F	Purge On Green Light	Off	On		Off	On	
3G	Flare Pilot	Test	Auto		Test	Auto	
3H	Flame On Green Light	Off	On		Off	On	
3I	Auxiliary Fuel (Natural Gas)	Hand	Off	Auto	Hand	Off	Auto
3J	Flare Shutdown Valve	Open	Closed	Auto	Open	Closed	Auto
3K	Shutdown Valve Open Green Light	Off	On		Off	On	
3L	Condensate Tank Overfill Alarm Amber Light	Off	On		Off	On	
3M	Condensate Tank High Alarm Light	Off	On		Off	On	
3N	Condensate Tank Leak Alarm Light	Off	On		Off	On	
3O	Condensate Tank Alarm Test	Yes	No		Yes	No	
3P	Condensate Tank Power Green Light	Off	On		Off	On	
3Q	Condensate Tank Warning Amber Light	Off	On		Off	On	
3R	Condensate Tank Alarm Red Light	Off	On		Off	On	
4. FLARE							
4A	Flame Condition (Color & Stability)	Good	Bad		Good	Bad	
4B	Abnormal Burner Hot Spots	Yes	No		Yes	No	
4C	Unusual Sounds or Odors	Yes	No		Yes	No	
4D	Damper Motor Running	Yes	No		Yes	No	
4E	Manual Damper Position – Left Lever	Up	Down		Up	Down	
4F	Manual Damper Position – Right Lever	Up	Down		Up	Down	
5. PIPING							
5A	Piping General Condition	Good			Good		
5B	Inlet Valve Position	100	% Open		100	% Open	
5C	Gauges Operational	Yes	No		Yes	No	
6. SITE CONDITIONS (Vandalism, Cleanliness)		Good	Bad		Good	Bad	
Comments:							

FORM LFG-2

WEEKLY / BI-WEEKLY INSPECTION
LANDFILL GAS MANAGEMENT SYSTEM
PENNSYLVANIA AVENUE LANDFILL

		Date:	11/30/10							
		Time:								
		Technician:								
1. OPERATING BLOWER (Circle)			**301**		**(302)**			**301**		**302**
1A	Noise or Vibration		(OK)		Bad			OK		Bad
1B	Measurable or Odiferous Gas Leaks		(No)		Yes			No		Yes
2. CONTROL PANEL – Motor Control										
2A	Blower Running Light (Circle)		Off		(On)			Off		On
2B	Blower 1 or 2 Current Alarm		(Off)		On			Off		On
2C	High Motor Current Alarm		(Off)		On			Off		On
2D	Alarm Shutdown Reset Button		OK							
3. CONTROL PANEL										
3A	Panel Power Switch		Off		(On)			Off		On
3B	System	Test	Off	(Auto)				Test	Off	Auto
3C	Blower Operation	Test	Off	(Auto)				Test	Off	Auto
3D	Blower Run Green Light		Off		(On)			Off		On
3E	Purge System	Test	Off	(Auto)				Test	Off	Auto
3F	Purge On Green Light		(Off)		On			Off		On
3G	Flare Pilot		Test		(Auto)			Test		Auto
3H	Flame On Green Light		Off		(On)			Off		On
3I	Auxiliary Fuel (Natural Gas)	Hand	Off	(Auto)				Hand	Off	Auto
3J	Flare Shutdown Valve	Open	Closed	(Auto)				Open	Closed	Auto
3K	Shutdown Valve Open Green Light		(Off)		On			Off		On
3L	Condensate Tank Overfill Alarm Amber Light		(Off)		On			Off		On
3M	Condensate Tank High Alarm Light		(Off)		On			Off		On
3N	Condensate Tank Leak Alarm Light		(Off)		On			Off		On
3O	Condensate Tank Alarm Test		(Yes)		(No)			Yes		No
3P	Condensate Tank Power Green Light		Off		On			Off		On
3Q	Condensate Tank Warning Amber Light		(Off)		On			Off		On
3R	Condensate Tank Alarm Red Light		(Off)		On			Off		On
4. FLARE										
4A	Flame Condition (Color & Stability)		(Good)		Bad			Good		Bad
4B	Abnormal Burner Hot Spots		Yes		(No)			Yes		No
4C	Unusual Sounds or Odors		Yes		(No)			Yes		No
4D	Damper Motor Running		(Yes)		No			Yes		No
4E	Manual Damper Position – Left Lever		(Up)		Down			Up		Down
4F	Manual Damper Position – Right Lever		Up		(Down)			Up		Down
5. PIPING										
5A	Piping General Condition		Good							
5B	Inlet Valve Position		100		% Open					% Open
5C	Gauges Operational		(Yes)		No			Yes		No
6. SITE CONDITIONS (Vandalism, Cleanliness)			(Good)		Bad			Good		Bad
Comments:										

AUXILIARY / NATURAL GAS METER READINGS (X 100 = cubic feet)		
DATE	TEMPERATURE COMPENSATED (60 °F Base Temp)	NON-COMPENSATED
11/2/10	4150440	4053819
11/4/10	~~4172491~~ ~~4073819~~	4072826

AUXILIARY / NATURAL GAS METER READINGS (X 100 = cubic feet)		
DATE	TEMPERATURE COMPENSATED (60 °F Base Temp)	NON-COMPENSATED
11/9/10	4173743	4075762
11/11/10	4173743	4075762

AUXILIARY / NATURAL GAS METER READINGS (X 100 = cubic feet)		
DATE	TEMPERATURE COMPENSATED (60 °F Base Temp)	NON-COMPENSATED
11/16/10	4178743	4075762
11/18/10	4173743	4075762

AUXILIARY / NATURAL GAS METER READINGS (X 100 = cubic feet)		
DATE	TEMPERATURE COMPENSATED (60 °F Base Temp)	NON-COMPENSATED
11/22/10	4173743	4075762
11/24/10	4173743	4075762

AUXILIARY / NATURAL GAS METER READINGS (X 100 = cubic feet)		
DATE	TEMPERATURE COMPENSATED (60 °F Base Temp)	NON-COMPENSATED
11/30/10	4173743	4075762

DP-1

DESCRIPTION OF DEFICIENCIES AND PROBLEMS

LFG-1 and LFG-2: Landfill Gas Management System

Pennsylvania Avenue Landfill

November 2010

Inspected by: N. Somerville / R. Kenney

Date	Location	Description	Corrective Action	Status	Date Completed
9/10//10	Flare Station – UV flame detection	Det-Tronics UV flame detectors setting off false fire alarms	Require troubleshooting and reprogramming by manufacturer. Program not available.	Found local manufacturer's representative and arrangements are being made for a site visit.	
10/12/10	Flare Station- Middle Thermocouple	Malfunction	Replacement	Completed replacement	11/12/10

FORM LFG-2
WEEKLY / BI-WEEKLY INSPECTION
LANDFILL GAS MANAGEMENT SYSTEM
PENNSYLVANIA AVENUE LANDFILL

	Date:	12/2/10				12/7/10		
	Time:	8:30						
	Technician:	RM				~~MAT~~ RM		
1. OPERATING BLOWER (Circle)		**301**		**302**		**301**		**302**
1A	Noise or Vibration	OK		Bad		OK		Bad
1B	Measurable or Odiferous Gas Leaks	No		Yes		No		Yes
2. CONTROL PANEL – Motor Control								
2A	Blower Running Light (Circle)	Off		On		Off		On
2B	Blower 1 or 2 Current Alarm	Off		On		Off		On
2C	High Motor Current Alarm	Off		On		Off		On
2D	Alarm Shutdown Reset Button	OK				OK		
3. CONTROL PANEL								
3A	Panel Power Switch	Off		On		Off		On
3B	System	Test	Off	Auto		Test	Off	Auto
3C	Blower Operation	Test	Off	Auto		Test	Off	Auto
3D	Blower Run Green Light	Off		On		Off		On
3E	Purge System	Test	Off	Auto		Test	Off	Auto
3F	Purge On Green Light	Off		On		Off		On
3G	Flare Pilot	Test		Auto		Test		Auto
3H	Flame On Green Light	Off		On		Off		On
3I	Auxiliary Fuel (Natural Gas)	Hand	Off	Auto		Hand	Off	Auto
3J	Flare Shutdown Valve	Open	Closed	Auto		Open	Closed	Auto
3K	Shutdown Valve Open Green Light	Off		On		Off		On
3L	Condensate Tank Overfill Alarm Amber Light	Off		On		Off		On
3M	Condensate Tank High Alarm Light	Off		On		Off		On
3N	Condensate Tank Leak Alarm Light	Off		On		Off		On
3O	Condensate Tank Alarm Test	Yes		No		Yes		No
3P	Condensate Tank Power Green Light	Off		On		Off		On
3Q	Condensate Tank Warning Amber Light	Off		On		Off		On
3R	Condensate Tank Alarm Red Light	Off		On		Off		On
4. FLARE								
4A	Flame Condition (Color & Stability)	Good		Bad		Good		Bad
4B	Abnormal Burner Hot Spots	Yes		No		Yes		No
4C	Unusual Sounds or Odors	Yes		No		Yes		No
4D	Damper Motor Running	Yes		No		Yes		No
4E	Manual Damper Position – Left Lever	Up		Down		Up		Down
4F	Manual Damper Position – Right Lever	Up		Down		Up		Down
5. PIPING								
5A	Piping General Condition	Good				Good		
5B	Inlet Valve Position	100		% Open		100		% Open
5C	Gauges Operational	Yes		No		Yes		No
6. SITE CONDITIONS (Vandalism, Cleanliness)		Good		Bad		Good		Bad
Comments:								

FORM LFG-2
WEEKLY / BI-WEEKLY INSPECTION
LANDFILL GAS MANAGEMENT SYSTEM
PENNSYLVANIA AVENUE LANDFILL

	Date:	12/9/10			12/14/10			
	Time:	8m			8m			
	Technician:	RM			RM			
1. OPERATING BLOWER (Circle)		**301**		**302**	**301**		**302**	
1A	Noise or Vibration	OK		Bad	OK		Bad	
1B	Measurable or Odiferous Gas Leaks	No		Yes	No		Yes	
2. CONTROL PANEL – Motor Control								
2A	Blower Running Light (Circle)	Off		On	Off		On	
2B	Blower 1 or 2 Current Alarm	Off		On	Off		On	
2C	High Motor Current Alarm	Off		On	Off		On	
2D	Alarm Shutdown Reset Button	OK			OK			
3. CONTROL PANEL								
3A	Panel Power Switch	Off		On	Off		On	
3B	System	Test	Off	Auto	Test	Off	Auto	
3C	Blower Operation	Test	Off	Auto	Test	Off	Auto	
3D	Blower Run Green Light	Off		On	Off		On	
3E	Purge System	Test	Off	Auto	Test	Off	Auto	
3F	Purge On Green Light	Off		On	Off		On	
3G	Flare Pilot	Test		Auto	Test		Auto	
3H	Flame On Green Light	Off		On	Off		On	
3I	Auxiliary Fuel (Natural Gas)	Hand	Off	Auto	Hand	Off	Auto	
3J	Flare Shutdown Valve	Open	Closed	Auto	Open	Closed	Auto	
3K	Shutdown Valve Open Green Light	Off		On	Off		On	
3L	Condensate Tank Overfill Alarm Amber Light	Off		On	Off		On	
3M	Condensate Tank High Alarm Light	Off		On	Off		On	
3N	Condensate Tank Leak Alarm Light	Off		On	Off		On	
3O	Condensate Tank Alarm Test	Yes		No	Yes		No	
3P	Condensate Tank Power Green Light	Off		On	Off		On	
3Q	Condensate Tank Warning Amber Light	Off		On	Off		On	
3R	Condensate Tank Alarm Red Light	Off		On	Off		On	
4. FLARE								
4A	Flame Condition (Color & Stability)	Good		Bad	Good		Bad	
4B	Abnormal Burner Hot Spots	Yes		No	Yes		No	
4C	Unusual Sounds or Odors	Yes		No	Yes		No	
4D	Damper Motor Running	Yes		No	Yes		No	
4E	Manual Damper Position – Left Lever	Up		Down	Up		Down	
4F	Manual Damper Position – Right Lever	Up		Down	Up		Down	
5. PIPING								
5A	Piping General Condition	Good			Good			
5B	Inlet Valve Position	100	% Open		100	% Open		
5C	Gauges Operational	Yes		No	Yes		No	
6. SITE CONDITIONS (Vandalism, Cleanliness)		Good		Bad	Good		Bad	
Comments:		New Damper motor ordered 12/2/10						

FORM LFG-2

WEEKLY / BI-WEEKLY INSPECTION
LANDFILL GAS MANAGEMENT SYSTEM
PENNSYLVANIA AVENUE LANDFILL

Date:		12/16/16				12/21/16					
Time:		Am				Am					
Technician:		Ray				Ray					
1. OPERATING BLOWER (Circle)		**301**	**302**			**301**	**302**				
1A	Noise or Vibration	OK	Bad			OK	Bad				
1B	Measurable or Odiferous Gas Leaks	No	Yes			No	Yes				
2. CONTROL PANEL – Motor Control											
2A	Blower Running Light (Circle)	Off	On			Off	On				
2B	Blower 1 or 2 Current Alarm	Off	On			Off	On				
2C	High Motor Current Alarm	Off	On			Off	On				
2D	Alarm Shutdown Reset Button	OK				OK					
3. CONTROL PANEL											
3A	Panel Power Switch	Off	On			Off	On				
3B	System	Test	Off	Auto		Test	Off	Auto			
3C	Blower Operation	Test	Off	Auto		Test	Off	Auto			
3D	Blower Run Green Light	Off	On			Off	On				
3E	Purge System	Test	Off	Auto		Test	Off	Auto			
3F	Purge On Green Light	Off	On			Off	On				
3G	Flare Pilot	Test	Auto			Test	Auto				
3H	Flame On Green Light	Off	On			Off	On				
3I	Auxiliary Fuel (Natural Gas)	Hand	Off	Auto		Hand	Off	Auto			
3J	Flare Shutdown Valve	Open	Closed	Auto		Open	Closed	Auto			
3K	Shutdown Valve Open Green Light	Off	On			Off	On				
3L	Condensate Tank Overfill Alarm Amber Light	Off	On			Off	On				
3M	Condensate Tank High Alarm Light	Off	On			Off	On				
3N	Condensate Tank Leak Alarm Light	Off	On			Off	On				
3O	Condensate Tank Alarm Test	Yes	No			Yes	No				
3P	Condensate Tank Power Green Light	Off	On			Off	On				
3Q	Condensate Tank Warning Amber Light	Off	On			Off	On				
3R	Condensate Tank Alarm Red Light	Off	On			Off	On				
4. FLARE											
4A	Flame Condition (Color & Stability)	Good	Bad			Good	Bad				
4B	Abnormal Burner Hot Spots	Yes	No			Yes	No				
4C	Unusual Sounds or Odors	Yes	No			Yes	No				
4D	Damper Motor Running	Yes	No			Yes	No				
4E	Manual Damper Position – Left Lever	Up	Down			Up	Down				
4F	Manual Damper Position – Right Lever	Up	Down			Up	Down				
5. PIPING											
5A	Piping General Condition	Good				Good					
5B	Inlet Valve Position	100	% Open			100	% Open				
5C	Gauges Operational	Yes	No			Yes	No				
6. SITE CONDITIONS (Vandalism, Cleanliness)		Good	Bad			Good	Bad				
Comments:											

FORM LFG-2

WEEKLY / BI-WEEKLY INSPECTION
LANDFILL GAS MANAGEMENT SYSTEM
PENNSYLVANIA AVENUE LANDFILL

	Date:	12/23/10			12/28/10			
	Time:	Am						
	Technician:	Ray			KAY			
1. OPERATING BLOWER (Circle)		**301**		**302**	**301**		**302**	
1A	Noise or Vibration	OK		Bad	OK		Bad	
1B	Measurable or Odiferous Gas Leaks	No		Yes	No		Yes	
2. CONTROL PANEL – Motor Control								
2A	Blower Running Light (Circle)	Off		On	Off		On	
2B	Blower 1 or 2 Current Alarm	Off		On	Off		On	
2C	High Motor Current Alarm	Off		On	Off		On	
2D	Alarm Shutdown Reset Button	OK			OK			
3. CONTROL PANEL								
3A	Panel Power Switch	Off		On	Off		On	
3B	System	Test	Off	Auto	Test	Off	Auto	
3C	Blower Operation	Test	Off	Auto	Test	Off	Auto	
3D	Blower Run Green Light	Off		On	Off		On	
3E	Purge System	Test	Off	Auto	Test	Off	Auto	
3F	Purge On Green Light	Off		On	Off		On	
3G	Flare Pilot	Test		Auto	Test		Auto	
3H	Flame On Green Light	Off		On	Off		On	
3I	Auxiliary Fuel (Natural Gas)	Hand	Off	Auto	Hand	Off	Auto	
3J	Flare Shutdown Valve	Open	Closed	Auto	Open	Closed	Auto	
3K	Shutdown Valve Open Green Light	Off		On	Off		On	
3L	Condensate Tank Overfill Alarm Amber Light	Off		On	Off		On	
3M	Condensate Tank High Alarm Light	Off		On	Off		On	
3N	Condensate Tank Leak Alarm Light	Off		On	Off		On	
3O	Condensate Tank Alarm Test	Yes		No	Yes		No	
3P	Condensate Tank Power Green Light	Off		On	Off		On	
3Q	Condensate Tank Warning Amber Light	Off		On	Off		On	
3R	Condensate Tank Alarm Red Light	Off		On	Off		On	
4. FLARE								
4A	Flame Condition (Color & Stability)	Good		Bad	Good		Bad	
4B	Abnormal Burner Hot Spots	Yes		No	Yes		No	
4C	Unusual Sounds or Odors	Yes		No	Yes		No	
4D	Damper Motor Running	Yes		No	Yes		No	
4E	Manual Damper Position – Left Lever	Up		Down	Up		Down	
4F	Manual Damper Position – Right Lever	Up		Down	Up		Down	
5. PIPING								
5A	Piping General Condition	Good			Good			
5B	Inlet Valve Position	100		% Open	100		% Open	
5C	Gauges Operational	Yes		No	Yes		No	
6. SITE CONDITIONS (Vandalism, Cleanliness)		Good		Bad	Good		Bad	
Comments:								

FORM LFG-2
WEEKLY / BI-WEEKLY INSPECTION
LANDFILL GAS MANAGEMENT SYSTEM
PENNSYLVANIA AVENUE LANDFILL

	Date:	10-30-10.			1/4/11			
	Time:	9.45 a.m.			7:40			
	Technician:	E. McLEAN.			RAY			
1. OPERATING BLOWER (Circle)		**301**	**(302)**		**301**	**(302)**		
1A	Noise or Vibration	(OK)	Bad		(OK)	Bad		
1B	Measurable or Odiferous Gas Leaks	(No)	Yes		(No)	Yes		
2. CONTROL PANEL – Motor Control								
2A	Blower Running Light (Circle)	Off	(On)		Off	(On)		
2B	Blower 1 or 2 Current Alarm	(Off)	On		(Off)	On		
2C	High Motor Current Alarm	(Off)	On		(Off)	On		
2D	Alarm Shutdown Reset Button				OK			
3. CONTROL PANEL								
3A	Panel Power Switch	Off	(On)		Off	(On)		
3B	System	Test	Off	(Auto)	Test	Off	(Auto)	
3C	Blower Operation	Test	Off	(Auto)	Test	Off	(Auto)	
3D	Blower Run Green Light	Off	(On)		Off	(On)		
3E	Purge System	Test	Off	(Auto)	Test	Off	(Auto)	
3F	Purge On Green Light	(Off)	On		(Off)	On		
3G	Flare Pilot	Test	(Auto)		Test	(Auto)		
3H	Flame On Green Light	Off	(On)		Off	(On)		
3I	Auxiliary Fuel (Natural Gas)	Hand	Off	(Auto)	Hand	Off	(Auto)	
3J	Flare Shutdown Valve	Open	Closed	(Auto)	Open	Closed	(Auto)	
3K	Shutdown Valve Open Green Light	(Off)	On		(Off)	On		
3L	Condensate Tank Overfill Alarm Amber Light	(Off)	On		(Off)	On		
3M	Condensate Tank High Alarm Light	(Off)	On		(Off)	On		
3N	Condensate Tank Leak Alarm Light	(Off)	On		(Off)	On		
3O	Condensate Tank Alarm Test	(Yes)	No		(Yes)	No		
3P	Condensate Tank Power Green Light	Off	(On)		Off	(On)		
3Q	Condensate Tank Warning Amber Light	(Off)	On		(Off)	On		
3R	Condensate Tank Alarm Red Light	(Off)	On		(Off)	On		
4. FLARE								
4A	Flame Condition (Color & Stability)	(Good)	Bad		(Good)	Bad		
4B	Abnormal Burner Hot Spots	Yes	(No)		Yes	(No)		
4C	Unusual Sounds or Odors	Yes	(No)		Yes	(No)		
4D	Damper Motor Running	Yes	(No)		Yes	(No)		
4E	Manual Damper Position – Left Lever	Up	(Down)		(Up)	Down		
4F	Manual Damper Position – Right Lever	(Up)	Down		Up	(Down)		
5. PIPING								
5A	Piping General Condition	Good.			Good			
5B	Inlet Valve Position	100 % Open			100 % Open			
5C	Gauges Operational	(Yes)	No		(Yes)	No		
6. SITE CONDITIONS (Vandalism, Cleanliness)		(Good)	Bad		(Good)	Bad		
Comments: SNOW DRIFTS PRESENT.								

AUXILIARY / NATURAL GAS METER READINGS (X 100 = cubic feet)		
DATE	TEMPERATURE COMPENSATED (60 °F Base Temp)	NON-COMPENSATED
12/2/10	4173,90	4076061
12/7/10	4174061	4076064

AUXILIARY / NATURAL GAS METER READINGS (X 100 = cubic feet)		
DATE	TEMPERATURE COMPENSATED (60 °F Base Temp)	NON-COMPENSATED
12/9/10	4174061	4076064
12/14/10	4174061	4076064

AUXILIARY / NATURAL GAS METER READINGS (X 100 = cubic feet)		
DATE	TEMPERATURE COMPENSATED (60 °F Base Temp)	NON-COMPENSATED
12/16/10	4174061	4076064
12/21/10	4174061	4076064

AUXILIARY / NATURAL GAS METER READINGS (X 100 = cubic feet)		
DATE	TEMPERATURE COMPENSATED (60 °F Base Temp)	NON-COMPENSATED
12/23/10	4174061	4076064
12/28/10	4174061	4076064

AUXILIARY / NATURAL GAS METER READINGS (X 100 = cubic feet)		
DATE	TEMPERATURE COMPENSATED (60 °F Base Temp)	NON-COMPENSATED
12-30-10	4174061	4076064
1/4/11	4174061	4076064

DP-1

DESCRIPTION OF DEFICIENCIES AND PROBLEMS

LFG-1 and LFG-2: Landfill Gas Management System

Pennsylvania Avenue Landfill

December 2010

Inspected by: N. Somerville / R. Kenney

Date	Location	Description	Corrective Action	Status	Date Completed
9/10//10	Flare Station – UV flame detection	Det-Tronics UV flame detectors setting off false fire alarms	Require troubleshooting and reprogramming by manufacturer. Program not available.	GSI tech reprogrammed sensors – see attached. There have been no false alarms since.	12/7/10
12/1/10	Flare Station - Louvers	Observed that they were not responding properly	Troubleshoot/ repair/replace	12/2/10 pm'ed louvers. Walton Electric checked motors-found one burnt out. Replacement has been ordered	

Landfill Gas Management System

LFG-3
Extraction Well Monitoring
Monthly Reports

(October, November and December, 2010)

Pennsylvania Avenue Landfill

Landfill Gas Extraction Well Report

October 2010

LFG-3

Device ID	Date	Methane CH_4 %	Carbon Dioxide CO_2 %	Oxygen O_2 %	Balance Gases %	Diff. Press. in. H_2O	Gas Temp. DegF	Valve Position	Water Level in Well	Comments
EW01	10/26/10 11:02	18.4	23.2	0.0	58.4	-0.204		Fully Closed	Over Valve	Temp. probe problems
EW02	10/26/10 10:58	13.1	13.6	0.0	73.3	-0.096	57	Fully Closed	Under Valve	
EW03	10/26/10 10:54	25.7	18.5	0.0	55.8	-0.061		Fully Closed	Under Valve	Temp. probe problems
EW04	10/26/10 10:45	22.5	1.9	0.0	75.6	-0.105	55	Fully Closed	Dry	
EW05	10/26/10 10:49	0.0	0.5	19.6	79.9	-0.045	54	Fully Closed	Dry	
EW06	10/26/10 10:41	10.8	16.9	0.0	72.3	0.321	71	Throttled	Over Valve	
EW07	10/26/10 10:26	14.1	20.1	0.0	65.8	-0.208	45	Fully Closed	Over Valve	
EW08	10/26/10 10:17	27.2	21.3	0.0	51.5	-0.051		Fully Closed	To Top	Temp. probe problems
EW09	10/29/10 10:38	21.3	21.3	0.0	57.4	-0.248	62	Fully Closed	Under Valve	
EW10	10/29/10 10:43	25.9	21.6	0.0	52.5	-0.008	66	Fully Closed	To Top	
EW11	10/29/10 10:48	4.5	3.0	17.4	75.1	-0.022	63	Fully Closed	Dry	
EW12	10/29/10 11:15	15.9	16.4	0.0	67.7	-0.192	62	Fully Closed	Under Valve	Sample Port/Hose Problems
EW13	10/29/10 11:20	40.2	29.7	0.0	30.1	-0.188	57	Fully Closed	Under Valve	
EW14	10/29/10 11:21	11.0	10.7	7.2	71.1	-0.090	50	Fully Closed	Under Valve	
EW15	10/29/10 11:26	1.7	15.0	0.0	83.3	>>>>	73	Fully Closed	Under Valve	Maintenance required
EW16	10/26/10 11:31	23.4	19.1	0.8	56.7	-0.242	53	Fully Closed	Under Valve	
EW17	10/26/10 11:27	39.4	22.3	5.6	32.7	-0.209	50	Fully Closed	Under Valve	
EW18	10/26/10 11:10	36.0	13.2	0.0	50.8	-0.158	54	Fully Open	Under Valve	
EW19	10/26/10 11:15	46.9	22.3	0.0	30.8	>>>>	65	Fully Open	To Top	Valve problem / Inc.Vac
EW20	10/26/10 11:18	27.1	16.6	6.3	50.0	-0.311	51	Fully Closed	Under Valve	
EW21	10/26/10 11:23	18.6	11.0	9.6	60.8	-0.296	53	Fully Closed	Under Valve	
EW22	10/29/10 11:15	16.5	11.3	6.9	65.3	-0.063	55	Fully Closed	Under Valve	
EW23	10/29/10 11:31	3.8	3.3	14.6	78.3	5.358	54	Fully Closed	Under Valve	Maintenance required
EW24	10/29/10 11:02	32.6	21.8	0.0	45.6	1.188		Throttled	Under Valve	Temp. probe problems
EW25	10/29/10 11:06	13.7	16.1	5.2	65.0	-0.069	60	Fully Closed	Under Valve	
EW26	10/29/10 11:11	37.2	16.3	0.0	46.5	<<<<	63	Fully Closed	Under Valve	Sample Port/Hose Problems
EW27	10/29/10 10:58	14.8	13.2	0.0	72.0	-0.072	63	Fully Closed	Under Valve	
EW28	10/29/10 13:02	29.6	15.5	0.0	54.9	0.248	68	Fully Open	Under Valve	
EW29	10/29/10 12:56	28.3	15.5	0.0	56.2	0.193		Fully Open	Under Valve	Temp. probe problems
EW30	10/26/10 10:22	27.4	18.7	0.0	53.9	-0.187	59	Fully Closed	Under Valve	
EW31	10/26/10 10:33	31.0	15.9	0.0	53.1	-0.095	61	Throttled	Under Valve	
EW32	10/26/10 10:30	34.9	19.9	0.0	45.2	-0.031	58	Throttled	Over Valve	
EW33	10/29/10 12:50	28.2	15.6	0.0	56.2	-0.659	64	Fully Open	To Top	
EW34	10/29/10 12:45	27.7	15.6	0.0	56.7	-0.491	63	Fully Open	Under Valve	
EW35	10/29/10 13:10	23.2	12.1	5.8	58.9	-0.268	60	Fully Open	Under Valve	
EW36	10/29/10 12:10	29.4	16.1	0.0	54.5	-3.351	68	Fully Open	To Top	
EW37	10/29/10 12:16	29.0	15.8	0.0	55.2	0.127	75	Fully Open	Under Valve	
EW38	10/29/10 13:16	20.4	10.8	7.0	61.8	0.358	44	Fully Open	Under Valve	
EW39	10/29/10 12:06	24.6	14.3	12.6	48.5	-0.053	62	Fully Open	Over Valve	
EW40	10/29/10 11:57	32.4	17.5	0.0	50.1	0.261		Throttled	To Top	Temp. probe problems
EW41	10/29/10 11:38	29.6	14.4	0.0	56.0	0.332	65	Throttled	Under Valve	
EW42	10/29/10 12:01	29.2	15.5	0.0	55.3	0.305		Fully Open	Under Valve	Temp. probe problems
EW43	10/29/10 11:52	24.6	11.3	1.9	62.2	0.256		Fully Closed	Under Valve	Temp. probe problems
EW44	10/29/10 11:43	27.7	14.1	0.1	58.1	-0.198	61	Throttled	To Top	
EW45	10/29/10 11:47	28.3	14.0	0.0	57.7	0.266	64	Throttled	Under Valve	
EW46	10/29/10 10:53	25.4	14.1	0.0	60.5	-0.074	64	Fully Closed	Over Valve	

Pennsylvania Avenue Landfill

Landfill Gas Extraction Well Report

November 2010

LFG-3

Device ID	Date	Methane CH_4 %	Carbon Dioxide CO_2 %	Oxygen O_2 %	Balance Gases %	Diff. Press. in. H_2O	Gas Temp. DegF	Valve Position	Water Level in Well	Comments
EW01	11/23/10	15.6	23.7	0.0	60.7	-4.690	NA	Fully Closed	To Top	Temp. probe problems
EW02	11/23/10	1.1	18.6	0.0	80.3	0.109	53	Fully Closed	Over Valve	
EW03	11/22/10	16.0	20.7	0.0	63.3	-0.195	NA	Fully Closed	Dry	Temp. probe problems
EW04	11/22/10	9.9	4.4	0.0	85.7	-0.170	42	Fully Closed	Dry	
EW05	11/22/10	0.2	4.3	13.2	82.3	-0.176	52	Fully Closed	Dry	
EW06	11/22/10	4.0	12.7	0.0	83.3	-0.169	46	Throttled	Over Valve	
EW07	11/22/10	18.3	19.8	0.0	61.9	-0.009	24	Fully Closed	To Top	
EW08	11/22/10	3.5	18.9	4.0	73.6	-0.945	NA	Fully Closed	To Top	Temp. probe problems
EW09	11/22/10	12.2	19.4	0.0	68.4	-0.012	56	Fully Closed	Under Valve	
EW10	11/22/10	16.6	21.0	0.0	62.4	-0.130	60	Fully Closed	To Top	
EW11	11/23/10	21.7	13.6	0.0	64.7	-3.580	61	Fully Closed	Dry	
EW12	11/23/10	13.8	14.9	0.0	71.3	0.063	50	Fully Closed	Under Valve	
EW13	11/23/10	39.7	27.5	0.0	32.8	-3.584	56	Fully Closed	Under Valve	
EW14	11/23/10	14.6	20.0	0.0	65.4	-3.600	48	Fully Closed	Under Valve	
EW15	11/23/10	2.5	15.1	0.0	82.4	-5.700	54	Fully Closed	Under Valve	Maintenance required
EW16	11/23/10	18.1	18.8	0.0	63.1	-3.620	53	Fully Closed	Under Valve	
EW17	11/23/10	46.5	29.0	0.0	24.5	-3.621	51	Fully Closed	Dry	
EW18	11/23/10	36.3	15.4	0.0	48.3	-30.280	54	Fully Open	Under Valve	
EW19	11/30/10	46.0	2.0	2.7	49.3	-13.171	NA	Fully Open	To Top	Temp. probe problems
EW20	11/23/10	32.5	23.3	0.0	44.2	-30.280	52	Fully Closed	Dry	
EW21	11/23/10	29.5	24.1	0.0	46.4	-3.629	55	Fully Closed	Under Valve	
EW22	11/23/10	30.1	19.8	0.0	50.1	-28.250	56	Fully Closed	Under Valve	
EW23	11/23/10	13.9	14.6	0.6	70.9	-25.110	55	Fully Closed	Under Valve	Maintenance required
EW24	11/23/10	33.0	20.8	0.0	46.2	OVER	NA	Throttled	To Top	Temp. probe problems
EW25	11/23/10	15.8	17.4	1.7	65.1	-30.270	55	Fully Closed	Under Valve	
EW26	11/23/10	0.6	4.9	19.7	74.8	OVER	53	Fully Closed	Under Valve	Sample Port/Hose Problems
EW27	11/23/10	17.7	11.2	0.0	71.1	-3.646	51	Fully Closed	Under Valve	
EW28	11/23/10	32.5	16.3	0.0	51.2	-16.500	72	Fully Open	To Top	
EW29	11/23/10	30.7	13.4	0.0	55.9	-14.900	NA	Fully Open	To Top	Temp. probe problems
EW30	11/22/10	20.6	22.8	0.0	56.6	-0.012	50	Fully Closed	Under Valve	
EW31	11/22/10	31.9	19.7	0.0	48.4	0.707	58	Throttled	Under Valve	
EW32	11/22/10	29.8	22.6	0.0	47.6	0.209	53	Throttled	Over Valve	
EW33	11/23/10	32.8	18.0	0.0	49.2	-25.590	NA	Fully Open	To Top	Temp. probe problems
EW34	11/22/10	31.7	16.5	0.0	51.8	-29.670	NA	Fully Open	To Top	Temp. probe problems
EW35	11/23/10	33.4	18.8	0.3	47.5	-0.489	66	Fully Open	Over Valve	
EW36	11/22/10	30.6	21.0	0.0	48.4	0.100	NA	Fully Open	To Top	Temp. probe problems
EW37	11/23/10	30.1	15.5	0.0	54.4	-0.139	162	Fully Open	Under Valve	
EW38	11/23/10	31.7	17.1	0.0	51.2	-27.920	NA	Fully Open	To Top	Temp. probe problems
EW39	11/22/10	39.0	20.8	0.0	40.2	0.326	40	Fully Open	To Top	
EW40	11/23/10	30.4	14.7	0.0	54.9	-6.749	NA	Throttled	To Top	Temp. probe problems
EW41	11/22/10	29.2	17.1	0.0	53.7	-1.379	56	Throttled	To Top	
EW42	11/22/10	31.8	17.5	0.0	50.7	-2.829	NA	Fully Open	Under Valve	Temp. probe problems
EW43	11/22/10	29.8	13.8	0.0	56.4	-0.020	NA	Fully Closed	Under Valve	Temp. probe problems
EW44	11/22/10	27.5	14.4	0.0	58.1	4.030	NA	Throttled	To Top	Temp. probe problems
EW45	11/22/10	31.1	14.2	0.0	54.7	-0.066	61	Throttled	Under Valve	
EW46	11/23/10	22.5	12.9	0.0	64.6	-0.054	55	Fully Closed	Over Valve	

Pennsylvania Avenue Landfill

Landfill Gas Extraction Well Report

December 2010

LFG-3

Device ID	Date	Methane CH_4 %	Carbon Dioxide CO_2 %	Oxygen O_2 %	Balance Gases %	Diff. Press. in. H_2O	Static Press. in. H_2O	Gas Temp. DegF	Valve Position	Water Level in Well	Comments
EW01	12/30/10										Ice build up
EW02	12/30/10	12.9	13.6	0.9	72.6	-0.126	0.7	42	Closed	Above valve	
EW03	12/30/10	8.7	17.0	0.0	74.3	0.050	-0.3	NT	Closed	Above valve	Temp. probe problems
EW04	12/30/10	13.9	10.2	2.3	73.6	0.060	0.7	43	Closed	Below Valve	
EW05	12/30/10	7.8	11.3	0.0	80.9	0.080	0.7	NT	Closed	Below Valve	Temp. probe problems
EW06	12/30/10	4.5	16.8	0.0	78.7	-2.310	0.6	55	Open	Below Valve	
EW07	12/30/10	16.4	9.7	0.3	73.6	-4.000	-1.1	47	Closed	To Top	
EW08	12/30/10	12.2	12.2	0.1	75.5	-1.190	-0.9	40	Closed	To Top	
EW09	12/30/10	5.9	18.6	0.0	75.5	0.078	0.0	44	Closed	To Top	
EW10	12/30/10	8.5	19.6	0.0	71.9	0.050	-0.9	58	Closed	To Top	
EW11	12/29/10	20.9	14.6	0.0	64.5	-4.411	1.1	56	Closed	Below Valve	
EW12	12/29/10	14.5	15.2	0.0	70.3	-0.110	0.7	47	Closed	Below Valve	
EW13	12/30/10	30.4	28.8	0.0	40.8	0.840	-0.2	45	Closed	Below Valve	
EW14	12/30/10	10.7	7.8	3.1	78.4	0.050	-0.3	41	Closed	Below Valve	
EW15	12/30/10	0.6	12.2	0.5	86.7	<-50.1	-0.2	45	Closed	Below Valve	
EW16	12/30/10	16.2	19.8	0.8	63.2	-0.030	1.0	43	Closed	Below Valve	
EW17	12/30/10	44.2	30.3	0.0	25.5	-0.045	0.9	47	Closed	Below Valve	
EW18	12/30/10	38.4	16.2	0.0	45.4	0.046	-0.2	43	Open	Below Valve	
EW19	12/30/10	28.2	11.0	0.0	60.8	<-41.0	0.9	44	Throttled	To Top	
EW20	12/30/10	17.7	11.7	7.8	62.8	0.050	-0.2	42	Closed	Below Valve	
EW21	12/30/10	11.7	10.2	11.2	66.9	-0.050	0.9	48	Closed	Below Valve	
EW22	12/29/10	19.1	16.7	0.0	64.2	0.010	0.9	53	Closed	Above valve	
EW23	12/30/10	17.2	13.2	0.0	69.6	-7.300	0.0	48	Closed	To Top	
EW24	12/29/10	33.4	23.2	0.0	43.4	1.500	1.1	NT	Open	To Top	Temp. probe problems
EW25	12/29/10	13.9	14.5	4.5	67.1	0.030	0.9	45	Closed	Below Valve	
EW26	12/29/10	41.1	18.7	0.0	40.2	-41.200	0.7	55	Closed	Above valve	
EW27	12/29/10	27.8	14.8	0.0	57.4	0.020	0.7	53	Closed	Below Valve	
EW28	12/30/10	18.4	13.2	6.9	61.5	0.050	-0.2	48	Open	To Top	
EW29	12/30/10	30.6	14.2	0.0	55.2	-20.500	-0.2	NT	Open	Above valve	Temp. probe problems
EW30	12/30/10	22.1	12.9	1.1	63.9	-1.230	0.6	NT	Open	To Top	Temp. probe problems
EW31	12/30/10	26.0	18.6	0.0	55.4	-6.711	-0.5	70	Open	Below Valve	
EW32	12/30/10	21.9	15.0	0.0	63.1	-10.900	-11.5	46	Throttled	To Top	
EW33	12/29/10	38.8	24.1	0.0	37.1	-30.300	-1.6	51	Open	Above valve	
EW34	12/29/10	32.2	21.7	1.7	44.4	-26.050	0.4	47	Open	To Top	
EW35	12/29/10	32.8	20.2	0.0	47.0	0.300	1.1	87	Open	Above valve	
EW36	12/29/10	33.7	21.5	0.0	44.8	4.027	-4.9	NT	Open	To Top	Temp. probe problems
EW37	12/30/10	28.6	11.8	0.0	59.6	-2.820	-0.2	NT	Open	To Top	Temp. probe problems
EW38	12/29/10	31.7	14.4	0.0	53.9	-29.600	0.9	53	Open	To Top	
EW39	12/29/10	33.1	17.2	0.0	49.7	-3.700	-1.7	41	Open	To Top	
EW40	12/29/10	28.2	14.6	0.0	57.2	-11.200	0.3	66	Closed	To Top	
EW41	12/29/10	28.1	18.2	0.0	53.7	-16.400	1.0	69	Throttled	To Top	
EW42	12/29/10	28.5	18.0	0.0	53.5	3.051	-2.1	NT	Closed	Below Valve	Temp. probe problems
EW43	12/29/10	26.4	16.1	0.0	57.5	0.300	1.0	54	Closed	Below Valve	Odor
EW44	12/29/10	27.9	15.7	0.0	56.4	-16.500	0.5	140	Open	To Top	
EW45	12/29/10	28.7	15.6	0.0	55.7	-5.500	0.7	55	Open	Above valve	
EW46	12/29/10	20.0	11.0	0.0	69.0	-0.070	0.6	51	Closed	Above valve	

Landfill Gas Management System

LFG-4 Quarterly O&M Inspections

Month: OCTOBER 2010

FORM LFG-4
QUARTERLY O&M INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PENNSYLVANIA AVENUE LANDFILL

	SCHEDULE – INSPECTION AND MAINTENANCE TASKS	ACTION	
1	**Igniter Gap**		
	A. Measure Igniter Gap 90 inches		
	B. Igniter Regapped (set at 0.90")	☑ Completed	☐ No
	C. Spark is at Tip of Igniter	☑ Yes	☐ No
2	**Inspect Igniter Wiring** (Between Ignition Transformer and Pilot Ignition)		
	A. Frayed Wire	☐ Yes	☑ No
	B. Heat Damage	☐ Yes	☑ No
	C. Worn Insulation	☐ Yes	☑ No
3	**Pilot Test**		
	A. Pilot Lights in "Test" Mode	☑ Yes	☐ No
4	**Thermocouple Voltage**		
	A. Measure Voltage .002	☑ Yes	☐ No
	B. Converter Temperature 82.5 ° F Within 25 ° F of Ambient Temperature	☑ Yes	☐ No
5	**Flare Shutdown Valve (FV-301) Test**		
	A. "SHUTDOWN VALVE OPEN" Lamp Lights in "TEST" Mode	☑ Yes	☐ No
	B. "SHUTDOWN VALVE OPEN" Closes Within 2 Seconds from the "CLOSE" Position	☑ Yes	☐ No
6	**Flare Shutdown Valve (FV-301) Test**		
	A. Blower **301** Operates Properly in "TEST" Mode	☑ Yes	☐ No
	B. Blower **302** Operates Properly in "TEST" Mode	☑ Yes	☐ No
	C. Purge Blower Operates Properly in "TEST" Mode	☑ Yes	☐ No

Date: 10/26/10

Technician: Ray Kenney

FORM LFG-4

QUARTERLY O&M INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PENNSYLVANIA AVENUE LANDFILL

	SCHEDULE - INSPECTION AND MAINTENANCE TASKS	ACTION	
7	**Zero Gauges**		
	A. Pressure Gauges Zeroed	☑ Yes	☐ No
	B. Vacuum Gauges Zeroed	☑ Yes	☐ No
	C. Differential Pressure Gauges Zeroed	☑ Yes	☐ No
8	**Inspect Demister**		
	A. Blower **301** Demister Checked and Cleaned	☑ Completed	☐ Incomplete
	B. Blower **302** Demister Checked and Cleaned	☑ Completed	☐ Incomplete
9	**Test Louvers**		
	A. Louvers **Close** Completely on Manual Mode	☑ Completed	☐ Incomplete
	B. Louvers **Open** Completely on Manual Mode	☑ Completed	☐ Incomplete
10	**Pilot Fail Test**		
	A. System Fail Start without Natural Gas Supply	☑ Yes	☐ No
11	**Flame Fail Test**		
	A. System Shuts Down with Manual Inlet Valve Closed	☑ Yes	☐ No
12	**Low Temperature Shutdown Test**		
	A. System Shutdown With Temperature Control in Manual Mode and Manual Louver Setpoint at **0%**	☑ Yes	☐ No
13	**Loose Connections (Annually)**		
	A. Compare Configuration Sheets for Chart Recorders to Actual Settings	☑ Completed	☐ Incomplete
14	**System Settings (Annually)**		
	A. Compare Configuration Sheets for Chart Recorders to Actual Settings	☑ Completed	☐ Incomplete

Date: 10/26/10 **Technician:** Ray Conway

FORM LFG-4
QUARTERLY O&M INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
FOUNTAIN AVENUE LANDFILL

Additional Findings

ITEM #	Description	Correction
	MIDDLE THERMOCOUPLE NOT WORKING	NEW THERMOCOUPLE ORDERED *
	* ORIGINAL MANUFACTURER WENT OUT OF BUSINESS. PERENNIAL ENERGY RECOMMENDED A REPLACEMENT,	

Date: 10/26/10 **Technician:** Ray Kenney

Appendix D –SWM, ANS, FCS Inspections

Landfill Inspections

STORMWATER MANAGEMENT SYSTEM
(SWM-1, SWM-2 & SWM-3)

FINAL COVER SYSTEM (FCS-1)

ANCILLARY SYSTEMS (ANS-1)

October 2010

FORM SWM-1

MONTHLY INSPECTION CHECKLIST

GEOCOMPOSITE DRAINS AND DRAINAGE SWALES

STORMWATER MANAGEMENT SYSTEM

PENNSYLVANIA AVENUE LANDFILL

Date: 10-26-10. **Inspected By:** E. McLEAN.

	INSPECTION TASK	SWALE/DRAIN NUMBER								REMARKS
1	**Geocomposite Drains**	I 1	I 2	P 1	P 2	P 3	P 4			
	Standing Water	✓	✓	✓	✓	✓	✓			
	Sediments and Debris	✓	✓	✓	✓	✓	✓			
	Erosion/Washouts	✓	✓	✓	✓	✓	✓			
	Sinkholes	✓	✓	✓	✓	✓	✓			
	Cleanouts	✓	✓	N/S	✓	✓	✓			
	Flow at Toe Drains	✓	✓	✓	✓	✓	✓			
	Flow at 6" Outlets	✓	✓	✓	✓	✓	✓			
	Damage at Drains/Outlets	✓	✓	✓	✓	✓	✓			
	Scheduled Flush of "P" Drain via Cleanouts							**Scheduled Annual Date:**		
2	**"A" Swales**	**A1**	**A2**	**A3**	**A4**	**A5X**				
	Overgrown Vegetation	✓	✓	✓	✓	✓				
	Standing Water	✓	✓	✓	✓	✓				
	Sediments and Debris	✓	✓	✓	✓	✓				
	Erosion/Washouts		✓	✓	✓	✓				
	Settlement and Sinkholes	✓	✓	✓	✓	✓				
3	**"B" Swales**	**B1**	**B2X**	**B3X**	**B4X**	**B5**	**B6X**	**B7N**	**B8N**	
	Overgrown Vegetation	✓	✓	✓	✓	✓	✓	✓	✓	
	Standing Water	✓	✓	✓	✓	✓	✓	✓	✓	
	Sediments and Debris	✓	✓	✓	✓	✓	✓	✓	✓	
	Erosion/Washouts	✓	✓	✓	✓	✓	✓	✓	✓	
	Settlement and Sinkholes	✓	✓	✓	✓	✓	✓	✓	✓	
4	**"C" Swales**	**C1X**	**C2X**	**C3**	**C4X**	**C5**	**C6N**	**C7N**		
	Overgrown Vegetation	✓	✓	✓	✓	✓	✓	✓		
	Standing Water	✓	✓	✓	✓	✓	✓	✓		
	Sediments and Debris	✓	✓	✓	✓	✓	✓	✓		
	Erosion/Washouts	✓	✓	✓	✓	✓	✓	✓		
	Settlement and Sinkholes	✓	✓	✓	✓	✓	✓	✓		
	"D" Swales	**D1X**	**D2**	**D3X**	**D4**					
	Overgrown Vegetation	✓	✓	✓	✓					
	Standing Water	✓	✓	✓	✓					
	Sediments and Debris	✓	✓	✓	✓					
	Erosion/Washouts	✓	✓	✓	✓					
	Settlement and Sinkholes	✓	✓	✓	✓					

FORM SWM-2

MONTHLY INSPECTION CHECKLIST

OUTLETS, CULVERTS AND REVETMENT AREA

STORMWATER MANAGEMENT SYSTEM

PENNSYLVANIA AVENUE LANDFILL

Date: 10-26-10. **Inspected By:** E. McLeah.

INSPECTION TASK	STRUCTURE NUMBER					REMARKS
"A" Outlets and Culverts	**A**	**A1**				
Damage (Spalling, Cracking, etc.)	✓	✓				
Erosion Around Structure	✓	✓				
Settlement Along Structure	✓	✓				
Standing Water	✓	✓				
Sediment/Debris in Pipe	✓	✓				
Rip-Rap Inlet Outlet Protection (I/O) Displacement and Settlement	✓	✓				
I/O Sediments and Debris	✓	✓				
I/O Vegetative Growth	✓	✓				
"B" Outlets and Culverts	**B**	**B1**	**B2**			
Damage (Spalling, Cracking, etc.)	✓	✓	✓			
Erosion Around Structure	✓	✓	✓			
Settlement Along Structure	✓	✓	✓			
Standing Water	✓	✓	✓			
Sediment/Debris in Pipe	✓	✓	✓			
Rip-Rap Inlet Outlet Protection (I/O) Displacement and Settlement	✓	✓	✓			
I/O Sediments and Debris	✓	✓	✓			
I/O Vegetative Growth	✓	✓	✓			
"C" Outlets and Culverts	**C**	**C1**	**C2**	**C3**	**C4**	
Damage (Spalling, Cracking, etc.)	✓	✓	✓	✓	✓	
Erosion Around Structure	✓	✓	✓	✓	✓	
Settlement Along Structure	✓	✓	✓	✓	✓	
Standing Water	✓	✓	✓	✓	✓	
Sediment/Debris in Pipe	✓	✓	✓	✓	✓	
Rip-Rap Inlet Outlet Protection (I/O) Displacement and Settlement	✓	✓	✓	✓	✓	
I/O Sediments and Debris	✓	✓	✓	✓	✓	
I/O Vegetative Growth	✓	✓	✓	✓	✓	

FORM SWM-2

MONTHLY INSPECTION CHECKLIST

OUTLETS, CULVERTS AND REVETMENT AREA

STORMWATER MANAGEMENT SYSTEM

PENNSYLVANIA AVENUE LANDFILL

Date: 10-26-10.	**Inspected By:** E. McLean.

INSPECTION TASK	**STRUCTURE NUMBER**			**REMARKS**
"D" Outlets and Culverts	**D**	**D1**	**D2**	
Damage (Spalling, Cracking, etc.)	✓	✓	✓	
Erosion Around Structure	✓	✓	✓	
Settlement Along Structure	✓	✓	✓	
Standing Water	✓	✓	✓	
Sediment/Debris in Pipe	✓	✓	✓	
Rip-Rap Inlet Outlet Protection (I/O) Displacement and Settlement	✓	✓	✓	
I/O Sediments and Debris	✓	✓	✓	
I/O Vegetative Growth	✓	✓	✓	
REVETMENT AREA				
Armor Stone/Rip-Rap Displacement	✓			
Sediments/Debris Accumulation	✓			
Vegetative Growth	✓			
Standing Water	✓			
Washouts & Exposed/Damaged Geotextile	✓			
Settlement /Sinkholes	✓			

Comments:

FORM SWM-3

MONTHLY INSPECTION CHECKLIST

DOWNCHUTES, MANHOLES, PIPE TRENCHES AND ENERGY DISSIPATORS

STORMWATER MANAGEMENT SYSTEM

PENNSYLVANIA AVENUE LANDFILL

Date: 10-26-10. **Inspected By:** E. McLEAN

	INSPECTION TASK	STRUCTURE NUMBER							REMARKS
1	**Downchutes**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	
	Pipe/Fitting Damage (Cracking, etc)	✓	✓	✓	✓	✓	✓	✓	
	Debris/Sediment Blockage in Pipe	✓	✓	✓	✓	✓	✓	✓	
	Erosion Around Pipe	✓	✓	✓	✓	✓	✓	✓	
	Pipe Settlement	✓	✓	✓	✓	✓	✓	✓	
	Damaged Pipe Trench Connections	✓	✓	✓	✓	✓	✓	✓	
2	**Downchutes 1, 2, 3 & 4 Manholes**	**D1A**	**D1B**	**D1C**	**D2**	**D3**	**D4**		
	Manhole Damage (Cracking, etc)	NS	✓	✓	✓	✓	✓		
	Manhhole Trashrack Debris	✓	✓	✓	✓	✓	✓		
	Sediment Accumulation in Manhole	✓	✓	✓	✓	✓	✓		
	Damaged Pipe Connections	✓	✓	✓	✓	✓	✓		
	Erosion Around Manhole	✓	✓	✓	✓	✓	✓		
	Manhole Settlement	✓	✓	✓	✓	✓	✓		
	Access Ladder	✓	✓						
3	**Downchutes 5, 6 & 7 Manholes**	**D5A**	**D5B**	**D6A**	**D6B**	**D7**			
	Manhole Damage (Cracking, etc)	✓	✓	✓	✓	✓			
	Manhhole Trashrack Debris	✓	✓	✓	✓	✓			
	Sediment Accumulation in Manhole	✓	✓	✓	✓	✓			
	Damaged Pip0e Connections	✓	✓	✓	✓	✓			
	Erosion Around Manhole	✓	✓	✓	✓	✓			
	Manhole Settlement	✓	✓	✓	✓	✓			
	Access Ladder	✓	✓	✓	✓	✓			
4	**Downchute Pipe Trenches**	**B7P**	**B8P**	**C6P**	**C7P**				
	Damaged Pipe Trench	✓	✓	✓	✓				
	Standing Water	✓	✓	✓	✓				
	Sediment Accumulation and Debris	✓	✓	✓	✓				
	Pipe Trench Settlement	✓	✓	✓	✓				
	Erosion Around Pipe Trench	✓	✓	✓	✓				
	Damaged Downchute Connections	✓	✓	✓	✓				
5	**Downchute Energy Dissipators**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	
	Damaged Gabion Baskets/Reno Mattresses	✓	✓	✓	✓	✓	✓	✓	
	Rip-Rap Displacement	✓	✓	✓	✓	✓	✓	✓	
	Vegetative Growth	✓	✓	✓	✓	✓	✓	✓	
	Standing Water	✓	✓	✓	✓	✓	✓	✓	
	Sediment Accumulation and Debris	✓	✓	✓	✓	✓	✓	✓	
	Erosion Around Structure	✓	✓	✓	✓	✓	✓	✓	
	Structure Settlement	✓	✓	✓	✓	✓	✓	✓	

FORM DP-1

STORMWATER SYSTEM: SWM-1, SWM-2 AND SWM-3

Month: October, 2010.

DESCRIPTION OF DEFICIENCIES AND PROBLEMS

PENNSYLVANIA AVENUE LANDFILL

Date	Location	Description	Corrective Action Taken
10-26-10.	Manhole - D1A.	Pad Shifted + Cracked.	Being Monitored.
			No change
10-26-10.	P1. Geocomposite Drains.	Broken Clean-out Tube.	W/O - 89.

Date: 10-26-10. **Inspected By:** E. McLean

Signature [signature]

FORM FCS-1

MONTHLY INSPECTION CHECKLIST

FINAL COVER SYSTEM

PENNSYLVANIA AVENUE LANDFILL

Date: 10-26-10. **Inspected By:** E. McLean.

INSPECTION TASK	INSPECTION ZONE NUMBER						REMARKS
	1	2	3	4	5	6	
Surface Cracks	✓	✓	✓	✓	✓	✓	
Vegetative Growth	✓	✓	✓	✓	✓	✓	
Vector Penetration	✓	✓	✓	✓	✓	✓	
Settlement	✓	✓	✓	✓	✓	✓	
Erosion	✓	✓	✓	✓	✓	✓	
Slope Stability	✓	✓	✓	✓	✓	✓	
Seepage	✓	✓	✓	✓	✓	✓	
Vandalism	✓	✓	✓	✓	✓	✓	
Vegetation Islands	✓	✓	✓	✓	✓	✓	
	7	8	9	10	11	12	
Surface Cracks	✓	✓	✓	✓	✓	✓	
Vegetative Growth	✓	✓	✓	✓	✓	✓	
Vector Penetration	✓	✓	✓	✓	✓	✓	
Settlement	✓	✓	✓	✓	✓	✓	
Erosion	✓	✓	✓	✓	✓	NS.	
Slope Stability	✓	✓	✓	✓	✓	✓	
Seepage	✓	✓	✓	✓	✓	✓	
Vandalism	✓	✓	✓	✓	✓	✓	
Vegetation Islands	✓	✓	✓	✓	✓	✓	
	13	14	15	16	17		
Surface Cracks	✓	✓	✓	✓	✓		
Vegetative Growth	✓	✓	✓	✓	✓		
Vector Penetration	✓	✓	✓	✓	✓		
Settlement	✓	✓	✓	✓	✓		
Erosion	✓	✓	✓	✓	✓		
Slope Stability	✓	✓	✓	✓	✓		
Seepage	✓	✓	✓	✓	✓		
Vandalism	✓	✓	✓	✓	✓		
Vegetation Islands	✓	✓	✓	✓	✓		

Comments:

FORM DP-1

FINAL COVER SYSTEM: FCS-1

Month: October, 2010.

DESCRIPTION OF DEFICIENCIES AND PROBLEMS

PENNSYLVANIA AVENUE LANDFILL

Date	Location	Description	Corrective Action Taken
10-26-10.	Zone-12.	Erosion By Manhole Ds.	W/O -101.
10-21-10	Zones-9,10,11,13+14,	Erosion Caused By Mower	Evaluation To Be Done In
		Operated By Landscaper.	Spring To Determine If
		See Attached Map.	Corrective Action Is
			Required.

Date: 10-26-10. **Inspected By:** E. McLeah

Signature [signature]

FORM ANS-1

MONTHLY INSPECTION CHECKLIST

ANCILLARY SYSTEMS

PENNSYLVANIA AVENUE LANDFILL

Date: 10-26-10. **Inspected By:** E. McLEAN.

	INSPECTION TASK		REMARKS
1	**ROAD "A"**		
	Rutting	✓	
	Depression/Settlement	✓	
	Washout	✓	
	Roadway Stone Condition	✓	
2	**ROAD "B"**		
	Rutting	✓	
	Depression/Settlement	✓	
	Washout	✓	
	Roadway Stone Condition	✓	
3	**ROAD "C"**		
	Rutting	✓	
	Depression/Settlement	✓	
	Washout	✓	
	Roadway Stone Condition	✓	
4	**ROAD "D"**		
	Rutting	✓	
	Depression/Settlement	✓	
	Washout	✓	
	Roadway Stone Condition	✓	
5	**ROAD "E"**		
	Rutting	✓	
	Depression/Settlement	✓	
	Washout	✓	
	Roadway Stone Condition	✓	
6	**NATURE TRAIL - EAST**		
	Rutting	✓	
	Depression/Settlement	✓	
	Washout	✓	
	Roadway Stone Condition	✓	
7	**NATURE TRAIL - WEST**		
	Rutting	✓	
	Depression/Settlement	✓	
	Washout	✓	
	Roadway Stone Condition	✓	
8	**PERIMETER, FENCE, GATES & LOCKS**		
	Vandalism	NS	
	Debris	✓	
	Fence Damage	NS	
	Gate Alignment and Swing Action	✓	
	Lock Lubrication and Function	✓	

FORM DP-1

ANCILLARY SYSTEMS: ANS-1

Month: October, 2010.

DESCRIPTION OF DEFICIENCIES AND PROBLEMS

PENNSYLVANIA AVENUE LANDFILL

Date	Location	Description	Corrective Action Taken
10-26-10.	Perimeter Fence.	Hole In Fence.	Hole Repaired (10-30-10).
		Section-15.	
10-26-10.	Perimeter Fence.	Hole In Fence.	Hole Repaired (10-30-10).
		Section-17.	
10-26-10.	Perimeter Fence.	Bent Posts Behind	
		Stratis Trailer.	w/o-94

Date: 10-26-10. **Inspected By:** E. McLean.

Signature [signature]

Landfill Inspections

STORMWATER MANAGEMENT SYSTEM
(SWM-1, SWM-2 & SWM-3)

FINAL COVER SYSTEM (FCS-1)

ANCILLARY SYSTEMS (ANS-1)

November 2010

FORM SWM-1

MONTHLY INSPECTION CHECKLIST

GEOCOMPOSITE DRAINS AND DRAINAGE SWALES

STORMWATER MANAGEMENT SYSTEM

PENNSYLVANIA AVENUE LANDFILL

Date: 11-10-10. **Inspected By:** E. McLean.

	INSPECTION TASK	SWALE/DRAIN NUMBER								REMARKS
1	**Geocomposite Drains**	I 1	I 2	P 1	P 2	P 3	P 4			
	Standing Water	✓	✓	✓	✓	✓	✓			
	Sediments and Debris	✓	✓	✓	✓	✓	✓			
	Erosion/Washouts	✓	✓	✓	✓	✓	✓			
	Sinkholes	✓	✓	✓	✓	✓	✓			
	Cleanouts	✓	✓	NS	✓	✓	✓			
	Flow at Toe Drains	✓	✓	✓	✓	✓	✓			
	Flow at 6" Outlets	✓	✓	✓	✓	✓	✓			
	Damage at Drains/Outlets	✓	✓	✓	✓	✓	✓			
	Scheduled Flush of "P" Drain via Cleanouts							**Scheduled Annual Date:**		
2	**"A" Swales**	**A1**	**A2**	**A3**	**A4**	**A5X**				
	Overgrown Vegetation	✓	✓	✓	✓	✓				
	Standing Water	✓	✓	✓	✓	✓				
	Sediments and Debris	✓	✓	✓	✓	✓				
	Erosion/Washouts	✓	✓	✓	✓	✓				
	Settlement and Sinkholes	✓	✓	✓	✓	✓				
3	**"B" Swales**	**B1**	**B2X**	**B3X**	**B4X**	**B5**	**B6X**	**B7N**	**B8N**	
	Overgrown Vegetation	✓	✓	✓	✓	✓	✓	✓	✓	
	Standing Water	✓	✓	✓	✓	✓	✓	✓	✓	
	Sediments and Debris	✓	✓	✓	✓	✓	✓	✓	✓	
	Erosion/Washouts	✓	✓	✓	✓	✓	✓	✓	✓	
	Settlement and Sinkholes	✓	✓	✓	✓	✓	✓	✓	✓	
4	**"C" Swales**	**C1X**	**C2X**	**C3**	**C4X**	**C5**	**C6N**	**C7N**		
	Overgrown Vegetation	✓	✓	✓	✓	✓	✓	✓		
	Standing Water	✓	✓	✓	✓	✓	✓	✓		
	Sediments and Debris	✓	✓	✓	✓	✓	✓	✓		
	Erosion/Washouts	✓	✓	✓	✓	✓	✓	✓		
	Settlement and Sinkholes	✓	✓	✓	✓	✓	✓	✓		
	"D" Swales	**D1X**	**D2**	**D3X**	**D4**					
	Overgrown Vegetation	✓	✓	✓	✓					
	Standing Water	✓	✓	✓	✓					
	Sediments and Debris	✓	✓	✓	✓					
	Erosion/Washouts	✓	✓	✓	✓					
	Settlement and Sinkholes	✓	✓	✓	✓					

FORM SWM-2

MONTHLY INSPECTION CHECKLIST

OUTLETS, CULVERTS AND REVETMENT AREA

STORMWATER MANAGEMENT SYSTEM

PENNSYLVANIA AVENUE LANDFILL

Date: 11-10-10. **Inspected By:** E. McLEAN.

INSPECTION TASK	STRUCTURE NUMBER					REMARKS
"A" Outlets and Culverts	**A**	**A1**				
Damage (Spalling, Cracking, etc.)	✓	✓				
Erosion Around Structure	✓	✓				
Settlement Along Structure	✓	✓				
Standing Water	✓	✓				
Sediment/Debris in Pipe	✓	✓				
Rip-Rap Inlet Outlet Protection (I/O) Displacement and Settlement	✓	✓				
I/O Sediments and Debris	✓	✓				
I/O Vegetative Growth	✓	✓				
"B" Outlets and Culverts	**B**	**B1**	**B2**			
Damage (Spalling, Cracking, etc.)	✓	✓	✓			
Erosion Around Structure	✓	✓	✓			
Settlement Along Structure	✓	✓	✓			
Standing Water	✓	✓	✓			
Sediment/Debris in Pipe	✓	✓	✓			
Rip-Rap Inlet Outlet Protection (I/O) Displacement and Settlement	✓	✓	✓			
I/O Sediments and Debris	✓	✓	✓			
I/O Vegetative Growth	✓	✓	✓			
"C" Outlets and Culverts	**C**	**C1**	**C2**	**C3**	**C4**	
Damage (Spalling, Cracking, etc.)	✓	✓	✓	✓	✓	
Erosion Around Structure	✓	✓	✓	✓	✓	
Settlement Along Structure	✓	✓	✓	✓	✓	
Standing Water	✓	✓	✓	✓	✓	
Sediment/Debris in Pipe	✓	✓	✓	✓	✓	
Rip-Rap Inlet Outlet Protection (I/O) Displacement and Settlement	✓	✓	✓	✓	✓	
I/O Sediments and Debris	✓	✓	✓	✓	✓	
I/O Vegetative Growth	✓	✓	✓	✓	✓	

FORM SWM-2

MONTHLY INSPECTION CHECKLIST

OUTLETS, CULVERTS AND REVETMENT AREA

STORMWATER MANAGEMENT SYSTEM

PENNSYLVANIA AVENUE LANDFILL

Date: 11-10-10.	**Inspected By:** E. McLEAN

INSPECTION TASK	**STRUCTURE NUMBER**			**REMARKS**
"D" Outlets and Culverts	**D**	**D1**	**D2**	
Damage (Spalling, Cracking, etc.)	✓	✓	✓	
Erosion Around Structure	✓	✓	✓	
Settlement Along Structure	✓	✓	✓	
Standing Water	✓	✓	✓	
Sediment/Debris in Pipe	✓	✓	✓	
Rip-Rap Inlet Outlet Protection (I/O) Displacement and Settlement	✓	✓	✓	
I/O Sediments and Debris	✓	✓	✓	
I/O Vegetative Growth	✓	✓	✓	
REVETMENT AREA				
Armor Stone/Rip-Rap Displacement	✓			
Sediments/Debris Accumulation	✓			
Vegetative Growth	✓			
Standing Water	✓			
Washouts & Exposed/Damaged Geotextile	✓			
Settlement /Sinkholes	✓			

Comments:

FORM SWM-3

MONTHLY INSPECTION CHECKLIST

DOWNCHUTES, MANHOLES, PIPE TRENCHES AND ENERGY DISSIPATORS

STORMWATER MANAGEMENT SYSTEM

PENNSYLVANIA AVENUE LANDFILL

Date: 11-10-10. **Inspected By:** E. McLEAN.

	INSPECTION TASK	STRUCTURE NUMBER							REMARKS
1	**Downchutes**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	
	Pipe/Fitting Damage (Cracking, etc)	✓	✓	✓	✓	✓	✓	✓	
	Debris/Sediment Blockage in Pipe	✓	✓	✓	✓	✓	✓	✓	
	Erosion Around Pipe	✓	✓	✓	✓	✓	✓	✓	
	Pipe Settlement	✓	✓	✓	✓	✓	✓	✓	
	Damaged Pipe Trench Connections	✓	✓	✓	✓	✓	✓	✓	
2	**Downchutes 1, 2, 3 & 4 Manholes**	**D1A**	**D1B**	**D1C**	**D2**	**D3**	**D4**		
	Manhole Damage (Cracking, etc)	NS	✓	✓	✓	✓	✓		
	Manhhole Trashrack Debris	✓	✓	✓	✓	✓	✓		
	Sediment Accumulation in Manhole	✓	✓	✓	✓	✓	✓		
	Damaged Pipe Connections	✓	✓	✓	✓	✓	✓		
	Erosion Around Manhole	✓	✓	✓	✓	✓	✓		
	Manhole Settlement	✓	✓	✓	✓	✓	✓		
	Access Ladder	✓	✓	✓	✓	✓	✓		
3	**Downchutes 5, 6 & 7 Manholes**	**D5A**	**D5B**	**D6A**	**D6B**	**D7**			
	Manhole Damage (Cracking, etc)	✓	✓	✓	✓	✓			
	Manhhole Trashrack Debris	✓	✓	✓	✓	✓			
	Sediment Accumulation in Manhole	✓	✓	✓	✓	✓			
	Damaged Pip0e Connections	✓	✓	✓	✓	✓			
	Erosion Around Manhole	✓	✓	✓	✓	✓			
	Manhole Settlement	✓	✓	✓	✓	✓			
	Access Ladder	✓	✓	✓	✓	✓			
4	**Downchute Pipe Trenches**	**B7P**	**B8P**	**C6P**	**C7P**				
	Damaged Pipe Trench	✓	✓	✓	✓				
	Standing Water	✓	✓	✓	✓				
	Sediment Accumulation and Debris	✓	✓	✓	✓				
	Pipe Trench Settlement	✓	✓	✓	✓				
	Erosion Around Pipe Trench	✓	✓	✓	✓				
	Damaged Downchute Connections	✓	✓	✓	✓				
5	**Downchute Energy Dissipators**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	
	Damaged Gabion Baskets/Reno Mattresses	✓	✓	✓	✓	✓	✓	✓	
	Rip-Rap Displacement	✓	✓	✓	✓	✓	✓	✓	
	Vegetative Growth	✓	✓	✓	✓	✓	✓	✓	
	Standing Water	✓	✓	✓	✓	✓	✓	✓	
	Sediment Accumulation and Debris	✓	✓	✓	✓	✓	✓	✓	
	Erosion Around Structure	✓	✓	✓	✓	✓	✓	✓	
	Structure Settlement	✓	✓	✓	✓	✓	✓	✓	

FORM DP-1

STORMWATER SYSTEM: SWM-1, SWM-2 AND SWM-3

Month: NOVEMBER 2010.

DESCRIPTION OF DEFICIENCIES AND PROBLEMS

PENNSYLVANIA AVENUE LANDFILL

Date	Location	Description	Corrective Action Taken
11-10-10	PT. GEOCOMPOSITE DRAINS	BROKEN CLEAN-OUT TUBE.	W/O-89.
11-10-10	MANHOLE - D14.	PAD SHIFTED AND CRACKED.	BEING MONITORED - NO CHANGE.

Date: 11-10-10.

Inspected By: E. McLEAN.

Signature

FORM FCS-1

MONTHLY INSPECTION CHECKLIST

FINAL COVER SYSTEM

PENNSYLVANIA AVENUE LANDFILL

Date: 11-10-10. **Inspected By:** E. McLEAN.

INSPECTION TASK	INSPECTION ZONE NUMBER						REMARKS
	1	2	3	4	5	6	
Surface Cracks	✓	✓	✓	✓	✓	✓	
Vegetative Growth	✓	✓	✓	✓	✓	✓	
Vector Penetration	✓	✓	✓	✓	✓	✓	
Settlement	✓	✓	✓	✓	✓	✓	
Erosion	✓	✓	✓	✓	✓	✓	
Slope Stability	✓	✓	✓	✓	✓	✓	
Seepage	✓	✓	✓	✓	✓	✓	
Vandalism	✓	✓	✓	✓	✓	✓	
Vegetation Islands	✓	✓	✓	✓	✓	✓	
	7	8	9	10	11	12	
Surface Cracks	✓	✓	✓	✓	✓	✓	
Vegetative Growth	✓	✓	✓	✓	✓	✓	
Vector Penetration	✓	✓	✓	✓	✓	✓	
Settlement	✓	✓	✓	✓	✓	✓	
Erosion	✓	✓	✓	✓	✓	1/8	
Slope Stability	✓	✓	✓	✓	✓	✓	
Seepage	✓	✓	✓	✓	✓	✓	
Vandalism	✓	✓	✓	✓	✓	✓	
Vegetation Islands	✓	✓	✓	✓	✓	✓	
	13	14	15	16	17		
Surface Cracks	✓	✓	✓	✓	✓		
Vegetative Growth	✓	✓	✓	✓	✓		
Vector Penetration	✓	✓	✓	✓	✓		
Settlement	✓	✓	✓	✓	✓		
Erosion	✓	✓	✓	✓	✓		
Slope Stability	✓	✓	✓	✓	✓		
Seepage	✓	✓	✓	✓	✓		
Vandalism	✓	✓	✓	✓	✓		
Vegetation Islands	✓	✓	✓	✓	✓		

Comments:

11-10-10. Holes Dug for Tree Planting Work Left Open. — Zones 15 And 17.

FORM DP-1

FINAL COVER SYSTEM: FCS-1

Month: NOVEMBER 2010.

DESCRIPTION OF DEFICIENCIES AND PROBLEMS

PENNSYLVANIA AVENUE LANDFILL

Date	Location	Description	Corrective Action Taken
11-10-10	SECTIONS - 15 AND 17.	HOLES DUG FOR PLANTING.	FILL HOLES.

Date: 11-10-10.

Inspected By: E. McLEAN

Signature

FORM ANS-1

MONTHLY INSPECTION CHECKLIST

ANCILLARY SYSTEMS

PENNSYLVANIA AVENUE LANDFILL

Date: 11-10-10. **Inspected By:** E. McLEAN.

	INSPECTION TASK		REMARKS
1	**ROAD "A"**		
	Rutting	NS	
	Depression/Settlement	✓	
	Washout	NS	
	Roadway Stone Condition	✓	
2	**ROAD "B"**		
	Rutting	NS	
	Depression/Settlement	✓	
	Washout	NS	
	Roadway Stone Condition	✓	
3	**ROAD "C"**		
	Rutting	NS	
	Depression/Settlement	✓	
	Washout	✓	
	Roadway Stone Condition	✓	
4	**ROAD "D"**		
	Rutting	✓	
	Depression/Settlement	✓	
	Washout	✓	
	Roadway Stone Condition	✓	
5	**ROAD "E"**		
	Rutting	✓	
	Depression/Settlement	✓	
	Washout	✓	
	Roadway Stone Condition	✓	
6	**NATURE TRAIL - EAST**		
	Rutting	NS	
	Depression/Settlement	✓	
	Washout	✓	
	Roadway Stone Condition	✓	
7	**NATURE TRAIL - WEST**		
	Rutting	NS	
	Depression/Settlement	✓	
	Washout	✓	
	Roadway Stone Condition	✓	
8	**PERIMETER, FENCE, GATES & LOCKS**		
	Vandalism	✓	
	Debris	✓	
	Fence Damage	✓	
	Gate Alignment and Swing Action	✓	
	Lock Lubrication and Function	✓	

FORM DP-1

ANCILLARY SYSTEMS: ANS-1

Month: NOVEMBER 2010.

DESCRIPTION OF DEFICIENCIES AND PROBLEMS

PENNSYLVANIA AVENUE LANDFILL

Date	Location	Description	Corrective Action Taken
11-10-10.	ROADS - A, B AND E	RUTS AND WASHOUTS.	REPAIRS WERE DONE IN SUMMER, DUE TO HEAVY VEHICULAR TRAFFIC AND WEATHER CONDITIONS, REPAIRS WILL BE DONE NEXT SUMMER
11-10-10.	NATURE TRAIL EAST AND WEST.	RUTS	REPAIRS TO BE DONE NEXT SUMMER.

Date: 11-10-10.

Inspected By: E. McLEAN.

Signature E. McLean

Landfill Inspections

STORMWATER MANAGEMENT SYSTEM
(SWM-1, SWM-2 & SWM-3)

FINAL COVER SYSTEM (FCS-1)

ANCILLARY SYSTEMS (ANS-1)

December 2010

FORM SWM-1

MONTHLY INSPECTION CHECKLIST

GEOCOMPOSITE DRAINS AND DRAINAGE SWALES

STORMWATER MANAGEMENT SYSTEM

PENNSYLVANIA AVENUE LANDFILL

Date: 12-17-10. **Inspected By:** E. McLEAN.

	INSPECTION TASK	SWALE/DRAIN NUMBER						REMARKS
1	**Geocomposite Drains**	I 1	I 2	P 1	P 2	P 3	P 4	
	Standing Water	✓	✓	✓	✓	✓	✓	
	Sediments and Debris	✓	✓	✓	✓	✓	✓	
	Erosion/Washouts	✓	✓	✓	✓	✓	✓	
	Sinkholes	✓	✓	✓	✓	✓	✓	
	Cleanouts	✓	✓	N/S	✓	✓	✓	
	Flow at Toe Drains	✓	✓	✓	✓	✓	✓	
	Flow at 6" Outlets	✓	✓	✓	✓	✓	✓	
	Damage at Drains/Outlets	✓	✓	✓	✓	✓	✓	
	Scheduled Flush of "P" Drain via Cleanouts							**Scheduled Annual Date:**

2	**"A" Swales**	**A1**	**A2**	**A3**	**A4**	**A5X**				
	Overgrown Vegetation	✓	✓	✓	✓	✓				
	Standing Water	✓	✓	✓	✓	✓				
	Sediments and Debris	✓	✓	✓	✓	✓				
	Erosion/Washouts	✓	✓	✓	✓	✓				
	Settlement and Sinkholes	✓	✓	✓	✓	✓				
3	**"B" Swales**	**B1**	**B2X**	**B3X**	**B4X**	**B5**	**B6X**	**B7N**	**B8N**	
	Overgrown Vegetation	✓	✓	✓	✓	✓	✓	✓	✓	
	Standing Water	✓	✓	✓	✓	✓	✓	✓	✓	
	Sediments and Debris	✓	✓	✓	✓	✓	✓	✓	✓	
	Erosion/Washouts	✓	✓	✓	✓	✓	✓	✓	✓	
	Settlement and Sinkholes	✓	✓	✓	✓	✓	✓	✓	✓	
4	**"C" Swales**	**C1X**	**C2X**	**C3**	**C4X**	**C5**	**C6N**	**C7N**		
	Overgrown Vegetation	✓	✓	✓	✓	✓	✓	✓		
	Standing Water	✓	✓	✓	✓	✓	✓	✓		
	Sediments and Debris	✓	✓	✓	✓	✓	✓	✓		
	Erosion/Washouts	✓	✓	✓	✓	✓	✓	✓		
	Settlement and Sinkholes	✓	✓	✓	✓	✓	✓	✓		
	"D" Swales	**D1X**	**D2**	**D3X**	**D4**					
	Overgrown Vegetation	✓	✓	✓	✓					
	Standing Water	✓	✓	✓	✓					
	Sediments and Debris	✓	✓	✓	✓					
	Erosion/Washouts	✓	✓	✓	✓					
	Settlement and Sinkholes	✓	✓	✓	✓					

FORM SWM-2

MONTHLY INSPECTION CHECKLIST

OUTLETS, CULVERTS AND REVETMENT AREA

STORMWATER MANAGEMENT SYSTEM

PENNSYLVANIA AVENUE LANDFILL

Date: 13-17-10. **Inspected By:** E. McLEAN

INSPECTION TASK	STRUCTURE NUMBER					REMARKS
"A" Outlets and Culverts	**A**	**A1**				
Damage (Spalling, Cracking, etc.)	✓	✓				
Erosion Around Structure	✓	✓				
Settlement Along Structure	✓	✓				
Standing Water	✓	✓				
Sediment/Debris in Pipe	✓	✓				
Rip-Rap Inlet Outlet Protection (I/O) Displacement and Settlement	✓	✓				
I/O Sediments and Debris	✓	✓				
I/O Vegetative Growth	✓	✓				
"B" Outlets and Culverts	**B**	**B1**	**B2**			
Damage (Spalling, Cracking, etc.)	✓	✓	✓			
Erosion Around Structure	✓	✓	✓			
Settlement Along Structure	✓	✓	✓			
Standing Water	✓	✓	✓			
Sediment/Debris in Pipe	✓	✓	✓			
Rip-Rap Inlet Outlet Protection (I/O) Displacement and Settlement	✓	✓	✓			
I/O Sediments and Debris	✓	✓	✓			
I/O Vegetative Growth	✓	✓	✓			
"C" Outlets and Culverts	**C**	**C1**	**C2**	**C3**	**C4**	
Damage (Spalling, Cracking, etc.)	✓	✓	✓	✓	✓	
Erosion Around Structure	✓	✓	✓	✓	✓	
Settlement Along Structure	✓	✓	✓	✓	✓	
Standing Water	✓	✓	✓	✓	✓	
Sediment/Debris in Pipe	✓	✓	✓	✓	✓	
Rip-Rap Inlet Outlet Protection (I/O) Displacement and Settlement	✓	✓	✓	✓	✓	
I/O Sediments and Debris	✓	✓	✓	✓	✓	
I/O Vegetative Growth	✓	✓	✓	✓	✓	

FORM SWM-2

MONTHLY INSPECTION CHECKLIST

OUTLETS, CULVERTS AND REVETMENT AREA

STORMWATER MANAGEMENT SYSTEM

PENNSYLVANIA AVENUE LANDFILL

Date: 12-17-10.	**Inspected By:** E. McLEAN

INSPECTION TASK	**STRUCTURE NUMBER**			**REMARKS**
"D" Outlets and Culverts	**D**	**D1**	**D2**	
Damage (Spalling, Cracking, etc.)	✓	✓	✓	
Erosion Around Structure	✓	✓	✓	
Settlement Along Structure	✓	✓	✓	
Standing Water	✓	✓	✓	
Sediment/Debris in Pipe	✓	✓	✓	
Rip-Rap Inlet Outlet Protection (I/O) Displacement and Settlement	✓	✓	✓	
I/O Sediments and Debris	✓	✓	✓	
I/O Vegetative Growth	✓	✓	✓	
REVETMENT AREA				
Armor Stone/Rip-Rap Displacement	✓			
Sediments/Debris Accumulation	✓			
Vegetative Growth	✓			
Standing Water	✓			
Washouts & Exposed/Damaged Geotextile	✓			
Settlement /Sinkholes	✓			

Comments:

FORM SWM-3

MONTHLY INSPECTION CHECKLIST

DOWNCHUTES, MANHOLES, PIPE TRENCHES AND ENERGY DISSIPATORS

STORMWATER MANAGEMENT SYSTEM

PENNSYLVANIA AVENUE LANDFILL

Date: 12-17-10. **Inspected By:** E. McLEAN.

	INSPECTION TASK	STRUCTURE NUMBER							REMARKS
1	**Downchutes**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	
	Pipe/Fitting Damage (Cracking, etc)	✓	✓	✓	✓	✓	✓	✓	
	Debris/Sediment Blockage in Pipe	✓	✓	✓	✓	✓	✓	✓	
	Erosion Around Pipe	✓	✓	✓	✓	✓	✓	✓	
	Pipe Settlement	✓	✓	✓	✓	✓	✓	✓	
	Damaged Pipe Trench Connections	✓	✓	✓	✓	✓	✓	✓	
2	**Downchutes 1, 2, 3 & 4 Manholes**	**D1A**	**D1B**	**D1C**	**D2**	**D3**	**D4**		
	Manhole Damage (Cracking, etc)	N/S	✓	✓	✓	✓	✓		
	Manhhole Trashrack Debris	✓	✓	✓	✓	✓	✓		
	Sediment Accumulation in Manhole	✓	✓	✓	✓	✓	✓		
	Damaged Pipe Connections	✓	✓	✓	✓	✓	✓		
	Erosion Around Manhole	✓	✓	✓	✓	✓	✓		
	Manhole Settlement	✓	✓	✓	✓	✓	✓		
	Access Ladder	✓	✓	✓	✓	✓	✓		
3	**Downchutes 5, 6 & 7 Manholes**	**D5A**	**D5B**	**D6A**	**D6B**	**D7**			
	Manhole Damage (Cracking, etc)	✓	✓	✓	✓	✓			
	Manhhole Trashrack Debris	✓	✓	✓	✓	✓			
	Sediment Accumulation in Manhole	✓	✓	✓	✓	✓			
	Damaged Pip0e Connections	✓	✓	✓	✓	✓			
	Erosion Around Manhole	✓	✓	✓	✓	✓			
	Manhole Settlement	✓	✓	✓	✓	✓			
	Access Ladder	✓	✓	✓	✓	✓			
4	**Downchute Pipe Trenches**	**B7P**	**B8P**	**C6P**	**C7P**				
	Damaged Pipe Trench	✓	✓	✓	✓				
	Standing Water	✓	✓	✓	✓				
	Sediment Accumulation and Debris	✓	✓	✓	✓				
	Pipe Trench Settlement	✓	✓	✓	✓				
	Erosion Around Pipe Trench	✓	✓	✓	✓				
	Damaged Downchute Connections	✓	✓	✓	✓				
5	**Downchute Energy Dissipators**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	
	Damaged Gabion Baskets/Reno Mattresses	✓	✓	✓	✓	✓	✓	✓	
	Rip-Rap Displacement	✓	✓	✓	✓	✓	✓	✓	
	Vegetative Growth	✓	✓	✓	✓	✓	✓	✓	
	Standing Water	✓	✓	✓	✓	✓	✓	✓	
	Sediment Accumulation and Debris	✓	✓	✓	✓	✓	✓	✓	
	Erosion Around Structure	✓	✓	✓	✓	✓	✓	✓	
	Structure Settlement	✓	✓	✓	✓	✓	✓	✓	

FORM DP-1

STORMWATER SYSTEM: SWM-1, SWM-2 AND SWM-3

Month: DECEMBER, 2010.

DESCRIPTION OF DEFICIENCIES AND PROBLEMS

PENNSYLVANIA AVENUE LANDFILL

Date	Location	Description	Corrective Action Taken
	P.I. GEOCOMPOSITE DRAINS	BROKEN CLEAN-OUT TUBE.	W/O - 89.
	MAN-HOLE - D1A	PIPE SHIFTED AND CRACKED.	BEING MONITORED. NO CHANGE.

Date: 12-17-10.

Inspected By: E. McLEAN.

Signature [signature]

FORM FCS-1

MONTHLY INSPECTION CHECKLIST

FINAL COVER SYSTEM

PENNSYLVANIA AVENUE LANDFILL

Date: 12-22-10. **Inspected By:** E. McLean.

INSPECTION TASK	INSPECTION ZONE NUMBER						REMARKS
	1	2	3	4	5	6	
Surface Cracks	✓	✓	✓	✓	✓	✓	
Vegetative Growth	✓	✓	✓	✓	✓	✓	
Vector Penetration	✓	✓	✓	✓	✓	✓	
Settlement	✓	✓	✓	✓	✓	✓	
Erosion	✓	✓	✓	✓	✓	✓	
Slope Stability	✓	✓	✓	✓	✓	✓	
Seepage	✓	✓	✓	✓	✓	✓	
Vandalism	✓	✓	✓	✓	✓	✓	
Vegetation Islands	✓	✓	✓	✓	✓	✓	
	7	**8**	**9**	**10**	**11**	**12**	
Surface Cracks	✓	✓	✓	✓	✓	✓	
Vegetative Growth	✓	✓	✓	✓	✓	✓	
Vector Penetration	✓	✓	✓	✓	✓	✓	
Settlement	✓	✓	✓	✓	✓	✓	
Erosion	✓	✓	✓	✓	✓	N/S	
Slope Stability	✓	✓	✓	✓	✓	✓	
Seepage	✓	✓	✓	✓	✓	✓	
Vandalism	✓	✓	✓	✓	✓	✓	
Vegetation Islands	✓	✓	✓	✓	✓	✓	
	13	**14**	**15**	**16**	**17**		
Surface Cracks	✓	✓	✓	✓	✓		
Vegetative Growth	✓	✓	✓	✓	✓		
Vector Penetration	✓	✓	✓	✓	✓		
Settlement	✓	✓	✓	✓	✓		
Erosion	✓	✓	✓	✓	✓		
Slope Stability	✓	✓	✓	✓	✓		
Seepage	✓	✓	✓	✓	✓		
Vandalism	✓	✓	✓	✓	✓		
Vegetation Islands	✓	✓	✓	✓	✓		

Comments:

FORM DP-1

FINAL COVER SYSTEM: FCS-1

Month: DECEMBER, 2010.

DESCRIPTION OF DEFICIENCIES AND PROBLEMS

PENNSYLVANIA AVENUE LANDFILL

Date	Location	Description	Corrective Action Taken
12-22-10.	ZONE-12.	RECURRING EROSION	A PERMANENT REPAIR WILL BE INVESTIGATED AND IMPLEMENTED DURING THE SPRING OF 2011.

Date: 12-22-10. **Inspected By:** E. McLEAN.

Signature [signature]

FORM ANS-1

MONTHLY INSPECTION CHECKLIST

ANCILLARY SYSTEMS

PENNSYLVANIA AVENUE LANDFILL

Date: 12-22-10.

Inspected By: E. McLEAN.

	INSPECTION TASK		REMARKS
1	**ROAD "A"**		
	Rutting	N/S	
	Depression/Settlement	✓	
	Washout	N/S	
	Roadway Stone Condition	✓	
2	**ROAD "B"**		
	Rutting	N/S	
	Depression/Settlement	✓	
	Washout	N/S	
	Roadway Stone Condition	✓	
3	**ROAD "C"**		
	Rutting	N/S	
	Depression/Settlement	✓	
	Washout	✓	
	Roadway Stone Condition	✓	
4	**ROAD "D"**		
	Rutting	✓	
	Depression/Settlement	✓	
	Washout	✓	
	Roadway Stone Condition	✓	
5	**ROAD "E"**		
	Rutting	✓	
	Depression/Settlement	✓	
	Washout	✓	
	Roadway Stone Condition	✓	
6	**NATURE TRAIL - EAST**		
	Rutting	N/S	
	Depression/Settlement	✓	
	Washout	✓	
	Roadway Stone Condition	✓	
7	**NATURE TRAIL - WEST**		
	Rutting	N/S	
	Depression/Settlement	✓	
	Washout	✓	
	Roadway Stone Condition	✓	
8	**PERIMETER, FENCE, GATES & LOCKS**		
	Vandalism	✓	
	Debris	✓	
	Fence Damage	✓	
	Gate Alignment and Swing Action	✓	
	Lock Lubrication and Function	✓	

FORM DP-1

ANCILLARY SYSTEMS: ANS-1

Month: DECEMBER, 2010.

DESCRIPTION OF DEFICIENCIES AND PROBLEMS

PENNSYLVANIA AVENUE LANDFILL

Date	Location	Description	Corrective Action Taken
12-22-10.	ROADS - A, B AND C.	RUTS AND WASHOUTS.	REPAIRS WERE DONE IN SUMMER, DUE TO HEAVY VEHICULAR TRAFFIC AND WEATHER CONDITIONS. REPAIRS WILL BE DONE NEXT SUMMER (2011).
12-22-10.	NATURE TRAILS EAST AND WEST.	RUTS	REPAIRS TO BE DONE NEXT SUMMER (2011). THE NATURE TRAILS WERE REPAIRED AND EROSION CONTROL MEASURES WERE PUT IN PLACE LAST SUMMER (2010). NEW RUTS HAVE BEEN FORMED BY INCLEMENT WEATHER CONDITIONS. THESE WILL BE ADDRESSED DURING WARM WEATHER.

Date: 12-22-10.

Inspected By: E. McLEAN.

Signature [signature]

Appendix E – Groundwater Monitoring

Synoptic Groundwater Elevations Report

PENNSYLVANIA AVENUE LANDFILL
SYNOPTIC
FOURTH QUARTER - December 2010

Weather: Partly Cloudy,
Ambient Temp: 30°F,
Winds at 19 mph NNW, with 25 mph gusts,
Barometric Pressure at 30.23 in. Hg

Tech: Raymond Kenney
Date: 12/9/10
High Tide: +5.68 ft. @ 10:30 AM
Low Tide: -0.13 ft. @ 4:37 PM
Tide @ approximately +3.5 ft. during synoptic (Canarsie Sta.)

Groundwater Monitoring Well ID	Elevation at Top of Well Riser (ft)	Time	Depth to Water (ft)	Water Level Elevation (ft)	Depth to Bottom of Well (ft)	Well Bottom Elevation (ft)
HP-101 U	9.24	12:13	8.00	**1.24**	16.00	**-6.76**
HP-101 S	11.22		11.10	**0.12**	42.30	**-31.08**
HP-101 D	9.70		12.90	**-3.21**	151.30	**-141.61**
HP-407 U	8.73		8.25	**0.48**	16.90	**-8.17**
HP-407 S	8.31		9.55	**-1.24**	38.90	**-30.59**
HP-407 D	8.84		9.90	**-1.07**	76.10	**-67.27**
HP-104 A	7.97		11.94	**-3.97**	21.30	**-13.33**
HP-103 D	7.03		10.33	**-3.30**	154.30	**-147.27**
HP-603	9.01		9.60	**-0.59**	16.78	**-7.77**
HP-318	13.38	12:33	15.33	**-1.95**	21.90	**-8.52**

Elevations: Borough of Brooklyn Datum

Groundwater Sample Collection Field Logs

STRATIS

GROUNDWATER MONITORING WELL SAMPLING
PENNSYLVANIA AVE. LANDFILL

Sun and clouds
21°F
Baro.Press. 29.50 in.
Wind – 18 NW,
28 mph gusts

Date: 12/14/10 **Well ID:** HP-101-D **Sampler:** MOG & KR & RK

VOC (PID Rdng): 0 mg/L	Depth to Water (ft): 12.55	Pump Start Time: 11:20

Time	DTW (ft)	Volume Pumped (mL)	Time to Fill (sec)	Flow Rate (mL/min.)	Temp. °C	SEC (µS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
11:25	12.51	100	35	171	12.56	64.21	0.46	6.59	-240.2	1.70
11:30	12.57	100	37	162	12.82	63.91	0.38	6.65	-241.1	1.74
11:33	12.47	100	30	200	13.47	64.13	0.32	6.66	-240.8	2.15
11:37	12.45	100	28	214	12.70	63.67	0.24	6.65	-247.9	1.85
11:40	12.55	100	28	214	13.16	64.20	0.23	6.68	-243.6	2.07
11:45	12.55	100	26	231	13.38	64.90	0.20	6.83	-237.3	2.23
11:50	12.56	100	27	222	13.75	65.24	0.21	6.75	-248.1	2.03
11:55	Sample									
12:05					14.89	65.25	0.18	6.89	-264.1	
12:15	12.50									

Sample Start Time: 11:55 **Sampling Pumping Rate:** 220-230 (Not to exceed 250 mL/min)

8 oz Plastic [HNO3] METALS	X	32 oz Plastic NON METALS	X	16 oz Plastic NON METALS	X	8 oz Plastic NON METALS - BROMIDE	X
16 oz Amber Glass [HNO3] PHENOL	X	16 oz Plastic [H2SO4] N,COD	X	8 oz Plastic [NaOH] CYANIDE	X	8 oz Plastic [Zinc Acetate] SULFIDE	
Vials 2 VOC		32 oz Amber Glass ACID EXTRACTABLES	X	32 oz Amber Glass BASE NEUTRAL EXTRACTABLES	X	32 oz Amber Glass PEST. & PCBs	3

QA/QC SAMPLES:	MS		MSD		BLIND DUP.		FIELD BLANKS		TRIP	

Sample Finish Time: 12:30	Depth to Water DTW (ft): 12.49	Volume Pumped (gallons): ~2	VOC - PID Rdng (mg/L): Well: 0 Tote:

STRATIS

GROUNDWATER MONITORING WELL SAMPLING

PENNSYLVANIA AVE. LANDFILL

Cloudy/Windy/Cold
21 °F
Baro. Press. 29.49 in.
Wind 23 NW,
28 mph gusts

Date: 12/14/10 **Well ID:** HP-101-S **Sampler:** RK & KR & MOG

VOC (PID Rdng): 0 mg/L	Depth to Water (ft): 11.09	Pump Start Time: 9:05

Time	DTW (ft)	Volume Pumped (mL)	Time to Fill (sec)	Flow Rate (mL/min.)	Temp. °C	SEC (µS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
9:10	11010	100	21	286	15.72	5.834	2.45	6.95	-189.9	11.4
9:15	11.09	100	28	214	14.84	5.682	1.32	6.95	-196.2	5.03
9:18	11.09	100	28	214	14.89	5.656	1.04	6.92	-192.7	3.99
9:22	11.09	100	28	214	15.00	5.597	0.81	6.92	-193.3	3.88
9:25	11.08	100	28	214	14.99	5.566	0.70	6.92	-191.7	3.10
9:28	11.08	100	27	222	15.01	5.541	0.59	6.92	-191.9	2.98
9:30	Sample									
9:40	11.07				15.98	5.701	0.34	6.97	-223.6	
9:50	11.07				15.97	5.778	0.29	6.97	-231.9	
Line frozen upon arrival. Used torch to defrost it. Took a bit to get it going.										
Sample clear, no odor.										

Sample Start Time: 9:30	Sampling Pumping Rate: 222 (Not to exceed 250 mL/min)

8 oz Plastic [HNO3] METALS: X	32 oz Plastic NON METALS: X	16 oz Plastic NON METALS: X	8 oz Plastic NON METALS - BROMIDE: X
16 oz Amber Glass [HNO3] PHENOL: X	16 oz Plastic [H2SO4] N,COD: X	8 oz Plastic [NaOH] CYANIDE: X	8 oz Plastic [Zinc Acetate] SULFIDE:
Vials VOC: 2	32 oz Amber Glass ACID EXTRACTABLES: X	32 oz Amber Glass BASE NEUTRAL EXTRACTABLES: X	32 oz Amber Glass PEST. & PCBs: 3

QA/QC SAMPLES:	MS:	MSD:	BLIND DUP.:	FIELD BLANKS:	TRIP:

Sample Finish Time: 10:01	Depth to Water DTW (ft): 11:07	Volume Pumped (gallons): ~2	VOC - PID Rdng (mg/L): Well: 0 Tote: 0

STRATIS

GROUNDWATER MONITORING WELL SAMPLING

PENNSYLVANIA AVE. LANDFILL

Overcast
21°F
Baro. Press. 29.50 in.
Wind – 18 NW,
21 mph gusts

Date: 12/14/10 **Well ID:** HP-101-U **Sampler:** RK & KR & MOG

VOC (PID Rdng): 0 mg/L	Depth to Water (ft): 7.88	Pump Start Time: 10:10

Time	DTW (ft)	Volume Pumped (mL)	Time to Fill (sec)	Flow Rate (mL/min.)	Temp. °C	SEC (µS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
10:15	7.96	100	25	240	14.38	2.643	1.64	6.61	-240.7	40.9
10:18	7.97	100	24	250	15.66	2.848	0.89	6.65	-241.4	20.8
10:21	7.96	100	25	240	16.40	2.974	0.52	6.70	-241.6	8.49
10:25	7.95	100	25	240	17.01	3.131	0.48	6.72	-246.7	3.76
10:28	7.95	100	25	240	16.91	3.140	0.45	6.73	-251.6	2.83
10:33	7.95	100	25	240	16.71	3.146	0.38	6.73	-252.4	2.80
10:37	7.95				17.01	3.163	0.33	6.72	-257.9	2.05
10:40	Sample									
11:00	7.96				17.17	4.076	0.18	6.70	-273.9	
Sample clear, no odor.										

Sample Start Time: 10:40	Sampling Pumping Rate: 240 (Not to exceed 250 mL/min)

8 oz Plastic [HNO3] METALS X	32 oz Plastic NON METALS X	16 oz Plastic NON METALS X	8 oz Plastic NON METALS - BROMIDE X
16 oz Amber Glass [HNO3] PHENOL X	16 oz Plastic [H2SO4] N,COD X	8 oz Plastic [NaOH] CYANIDE X	8 oz Plastic [Zinc Acetate] SULFIDE ☐
Vials 2 VOC	32 oz Amber Glass ACID EXTRACTABLES X	32 oz Amber Glass BASE NEUTRAL EXTRACTABLES X	32 oz Amber Glass PEST. & PCBs 3

QA/QC SAMPLES:	MS ☐	MSD ☐	BLIND DUP. ☐	FIELD BLANKS ☐	TRIP ☐

Sample Finish Time: 11:13	Depth to Water DTW (ft): 7.97	Volume Pumped (gallons): ~2.5	VOC - PID Rdng (mg/L): Well: 0 Tote: 0

STRATIS

GROUNDWATER MONITORING WELL SAMPLING
PENNSYLVANIA AVE. LANDFILL

Partly cloudy/very cold
25°F
Baro.Press. 29.73 in.
Wind – 20 WNW,
30 mph gusts

Date: 12/15/10 **Well ID:** HP-103-D **Sampler:** RK, KR, & MOG

VOC (PID Rdng): 0 mg/L	Depth to Water (ft): 13.21	Pump Start Time: 10:10 AM

Time	DTW (ft)	Volume Pumped (mL)	Time to Fill (sec)	Flow Rate (mL/min.)	Temp. °C	SEC (µS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
10:11		100	24	250						
10:13	14.11	100	20	300	11.47	39.2	0.99	6.74	-203.8	4.00
10:16	14.57	100	17	353	11.57	39.14	0.73	6.80	-212.2	3.59
10:20	14.88	100	40	150	12.09	39.59	0.56	6.85	-216.4	2.73
10:23	14.89	100	22	273	11.20	39.02	0.46	6.84	-218.8	2.85
10:27		100	25	240	11.51	39.19	0.4	6.86	-219.8	2.01
10:30	Sample									
10:40	15.90				11.61	39.27	0.37	6.89	-221.2	
10:50	18.00				13.44	40.06	0.22	6.89	-245.1	

Sample very clear

Tide moving out – visual, and well depth dropping rapidly

Sample Start Time: 10:30 AM **Sampling Pumping Rate:** 240-250 (Not to exceed 250 mL/min)

8 oz Plastic [HNO3] METALS	X	32 oz Plastic NON METALS	X	16 oz Plastic NON METALS	X	8 oz Plastic NON METALS - BROMIDE	X
16 oz Amber Glass [HNO3] PHENOL	X	16 oz Plastic [H2SO4] N,COD	X	8 oz Plastic [NaOH] CYANIDE	X	8 oz Plastic [Zinc Acetate] SULFIDE	
Vials VOC	2	32 oz Amber Glass ACID EXTRACTABLES	X	32 oz Amber Glass BASE NEUTRAL EXTRACTABLES	X	32 oz Amber Glass PEST. & PCBs	3

QA/QC SAMPLES:	MS		MSD		BLIND DUP.		FIELD BLANKS		TRIP	

Sample Finish Time: 11:00 AM	Depth to Water DTW (ft): 18.97	Volume Pumped (gallons):	VOC - PID Rdng (mg/L): Well: 0 Tote: 0

STRATIS

GROUNDWATER MONITORING WELL SAMPLING

PENNSYLVANIA AVE. LANDFILL

Cloudy/Very Cold/Windy
21°F
Baro.Press. 29.53 in.
Wind – 25 NW,
30 mph gusts

Date: 12/14/10 **Well ID:** HP-104-A **Sampler:** MOG & RK & KR

VOC (PID Rdng): 0 mg/L	Depth to Water (ft): 11.93	Pump Start Time: 1:50 PM

Time	DTW (ft)	Volume Pumped (mL)	Time to Fill (sec)	Flow Rate (mL/min.)	Temp. °C	SEC (µS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
13:54	11.40	100	22	273	14.78	1.831	1.79	6.74	-207.2	3.03
13:58	11.79	100	23	261	14.24	1.816	1.64	6.83	-212.3	2.22
14:02	11.79	100	25	240	14.01	1.808	1.37	6.84	-214.8	2.36
14:05	11.79	100	25	240	14.13	1.806	1.20	6.83	-220.2	2.17
14:08	11.80	100	24	250	14.21	1.808	0.92	6.82	-218.2	1.89
14:12	11.81	100	25	240	14.23	1.809	0.87	6.83	-219.2	3.01
14:15	11.84	100	25	240	14.70	1.812	0.79	6.81	-220.7	2.08
14:25	11.84				15.28	1.872	0.39	6.85	-260.5	
14:40	11.83									

Sample Start Time: 14:15 PM **Sampling Pumping Rate:** 240 (Not to exceed 250 mL/min)

8 oz Plastic [HNO3] METALS	X	32 oz Plastic NON METALS	X	16 oz Plastic NON METALS	X	8 oz Plastic NON METALS - BROMIDE	X
16 oz Amber Glass [HNO3] PHENOL	X	16 oz Plastic [H2SO4] N,COD	X	8 oz Plastic [NaOH] CYANIDE	X	8 oz Plastic [Zinc Acetate] SULFIDE	
Vials VOC	2	32 oz Amber Glass ACID EXTRACTABLES	X	32 oz Amber Glass BASE NEUTRAL EXTRACTABLES	X	32 oz Amber Glass PEST. & PCBs	3
QA/QC SAMPLES:		MS		MSD		BLIND DUP	
FIELD BLANKS		TRIP					

Sample Finish Time: 14:40	Depth to Water DTW (ft): 11.83	Volume Pumped (gallons): 2.5	VOC - PID Rdng (mg/L): Well: 0 Tote: 0

STRATIS

GROUNDWATER MONITORING WELL SAMPLING
PENNSYLVANIA AVE. LANDFILL

Cloudy/Cold
26°F
Baro.Press. 29.72 in.
31 mph gusts

Date: 12/15/10 **Well ID:** HP-318 **Sampler:** RK, KR & MOG

VOC (PID Rdng): 0 mg/L	Depth to Water (ft): 14.35	Pump Start Time: 11:13

Time	DTW (ft)	Volume Pumped (mL)	Time to Fill (sec)	Flow Rate (mL/min.)	Temp. °C	SEC (µS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
11:15	15.23	100	29	207	11.01	1.598	3.62	6.61	-225.8	11.5
11:18	15.23	100	25	240	11.24	1.692	2.82	6.58	-223.3	16.6
11:21	15.23	100	26	231	10.79	1.938	2.01	6.55	-222.6	20.5
11:25	15.23	100	27	222	10.45	2.150	1.49	6.53	-221.5	21.2
11:30	15.20	100	26	231	10.39	2.296	1.22	6.51	-213.5	20.3
11:33	15.20	100	26	231	10.41	2.371	1.04	6.52	-214.3	18.8
11:40	15.20	100	26	231	10.5	2.417	1.01	6.45	-215.7	21.1
11:47	15.20	100	26	231	11.16	2.842	0.79	6.58	-230.1	15.5
11:50	15.20	100	26	231	10.68	2.838	0.74	6.54	-228.7	13.7
11:53	15.20	100	26	231	10.66	2.851	0.73	6.56	-227.1	10.48
11:56	15.20	100	26	231	10.83	3.006	0.71	6.57	-230.2	9.35
12:00	15.20	100	27	222	10.93	3.055	0.69	6.54	-232.2	9.12
12:03	15.20	100	26	231	11.15	3.114	0.65	6.57	-230.3	8.54
12:06	15.19	100	26	231	11.42	3.221	0.63	6.53	-234.4	7.01
12:10	15.19	100	26	231	11.25	3.238	0.62	6.53	-234.6	5.52
12:15	Sample				11.02	3.248	0.63	6.55	-238.5	4.27
					12.45	4.048	0.32	6.52	-248.6	

Sample Start Time: 12:15 **Sampling Pumping Rate:** 231 (Not to exceed 250 mL/min)

8 oz Plastic [HNO3] METALS X	32 oz Plastic NON METALS X	16 oz Plastic NON METALS X	8 oz Plastic NON METALS - BROMIDE X
16 oz Amber Glass [HNO3] PHENOL X	16 oz Plastic [H2SO4] N,COD X	8 oz Plastic [NaOH] CYANIDE X	8 oz Plastic [Zinc Acetate] SULFIDE ☐
Vials VOC 2	32 oz Amber Glass ACID EXTRACTABLES X	32 oz Amber Glass BASE NEUTRAL EXTRACTABLES X	32 oz Amber Glass PEST. & PCBs 3

QA/QC SAMPLES:	MS ☐	MSD ☐	BLIND DUP. ☐	FIELD BLANKS X	TRIP ☐

Sample Finish Time: 12:48	Depth to Water DTW (ft): 15.00	Volume Pumped (gallons): ~4.5	VOC - PID Rdng (mg/L): Well: 0 Tote: 0

STRATIS

GROUNDWATER MONITORING WELL SAMPLING

PENNSYLVANIA AVE. LANDFILL

Overcast
37°F
Baro.Press. 29.18 in.
Wind – 18 NW,
20 mph gusts

Date: 12/13/10 **Well ID:** HP-407-D **Sampler:** RK & KR & MOG

VOC (PID Rdng): 0 mg/L	Depth to Water (ft): 8.74	Pump Start Time: 13:25

Time	DTW (ft)	Volume Pumped (mL)	Time to Fill (sec)	Flow Rate (mL/min.)	Temp. °C	SEC (µS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
13:31	8.76	100	21	286	17.35	29.21	1.29	6.49	-111.7	4.99
13:35	8.77	100	21	286	16.42	28.73	0.77	6.59	-117.9	3.92
13:38	8.77	100	23	261	16.32	28.67	0.65	6.63	-122.8	3.42
13:41	8.78	100	27	222	16.15	28.63	0.56	6.66	-126.3	3.26
13:44	8.79	100	26	231	15.78	28.47	0.52	6.67	-129.9	3.07
13:47	8.79	100	27	222	15.83	28.45	0.47	6.68	-131.9	3.05
13:50	8.79	100	25	240	15.95	28.47	0.46	6.68	-135.5	3.10
14:00	Sample									
14:24	8.75									
14:30	8.80									
14:41	8.85									
14:53	8.86									
15:05	8.86									
Sample clear with a hint of a grey hue										

Sample Start Time: 14:00	Sampling Pumping Rate: 240 (Not to exceed 250 mL/min)

8 oz Plastic [HNO3] METALS X	32 oz Plastic NON METALS X	16 oz Plastic NON METALS X	8 oz Plastic NON METALS - BROMIDE X
16 oz Amber Glass [HNO3] PHENOL X	16 oz Plastic [H2SO4] N,COD X	8 oz Plastic [NaOH] CYANIDE X	8 oz Plastic [Zinc Acetate] SULFIDE ☐
Vials 2 VOC	32 oz Amber Glass ACID EXTRACTABLES X	32 oz Amber Glass BASE NEUTRAL EXTRACTABLES X	32 oz Amber Glass PEST. & PCBs 3

QA/QC SAMPLES:	MS ■	MSD ■	BLIND DUP. ☐	FIELD BLANKS ☐	TRIP ☐

Sample Finish Time: 15:05	Depth to Water DTW (ft): 8.86	Volume Pumped (gallons): ~3	VOC - PID Rdng (mg/L): Well: 0 Tote: 0

STRATIS

GROUNDWATER MONITORING WELL SAMPLING
PENNSYLVANIA AVE. LANDFILL

Cloudy and cold
39°F
Baro.Press. 29.16 in.
Wind – 15 WNW

Date: 12/13/10 **Well ID:** HP-407-S **Sampler:** RK & MOG & KR

VOC (PID Rdng): 0 mg/L	Depth to Water (ft): 8.47	Pump Start Time: 11:26

Time	DTW (ft)	Volume Pumped (mL)	Time to Fill (sec)	Flow Rate (mL/min.)	Temp. °C	SEC (µS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
11:30	8.49	100	20	300	17.65	24.13	1.58	6.56	-54.6	0.55
11:33	8.47	100	33	182	17.35	24.08	0.83	6.59	-57.6	0.21
11:36	8.47				17.14	23.98	.079	6.60	-58.8	0.21
11:40	8.46	100	23	261	17.16	24.02	0.67	6.61	-59.6	0.28
11:43	8.45	100	27	222	17.20	24.00	0.57	6.61	-60.0	0.20
11:46	8.45	100	24	250	17.19	24.01	0.50	6.62	-61.1	0.16
11:50	Sample									
12:00	8.40				17.17	23.95	0.26	6.64	-64.6	
12:06	8.40				17.30	24.00	0.23	6.65	-66.3	

Sample Start Time: 11:50 **Sampling Pumping Rate:** 250 (Not to exceed 250 mL/min)

8 oz Plastic [HNO3] METALS: X	32 oz Plastic NON METALS: X	16 oz Plastic NON METALS: X	8 oz Plastic NON METALS - BROMIDE: X
16 oz Amber Glass [HNO3] PHENOL: X	16 oz Plastic [H2SO4] N,COD: X	8 oz Plastic [NaOH] CYANIDE: X	8 oz Plastic [Zinc Acetate] SULFIDE:
Vials VOC: 2	32 oz Amber Glass ACID EXTRACTABLES: X	32 oz Amber Glass BASE NEUTRAL EXTRACTABLES: X	32 oz Amber Glass PEST. & PCBs: 3

QA/QC SAMPLES:	MS:	MSD:	BLIND DUP.:	FIELD BLANKS:	TRIP:

Sample Finish Time: 12:24	Depth to Water DTW (ft): 8.41	Volume Pumped (gallons): ~2.5	VOC - PID Rdng (mg/L): Well: 0 Tote: 0

STRATIS

GROUNDWATER MONITORING WELL SAMPLING

PENNSYLVANIA AVE. LANDFILL

Cloudy/Cold
40°F
Baro.Press. 29.21 in.
Wind – 14 W

Date: 12/13/10 **Well ID:** HP-407-U **Sampler:** MOG/RK/KR

VOC (PID Rdng): 0 mg/L	Depth to Water (ft): 8.02	Pump Start Time: 9:30 AM

Time	DTW (ft)	Volume Pumped (mL)	Time to Fill (sec)	Flow Rate (mL/min.)	Temp. °C 14.88	SEC (µS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
9:33	8.23	100	46	130	15.91	3.918	4.62	7.14	7.6	10.96
9:36	8.23	100	18	333	14.88	3.849	1.69	7.15	-4.1	10.91
9:39	8.23	100	26	231	15.07	3.880	1.42	7.14	-7.8	9.81
9:42	8.23	100	27	222	15.46	3.988	1.27	7.13	-15.8	9.86
9:45	8.24	100	26	231	15.46	4.048	0.98	7.12	-25.9	9.06
9:48	8.24	100	26	231	15.43	4.098	0.73	7.12	-36.6	8.72
9:51	8.24	100	26	231	15.43	4.135	0.53	7.12	-47.7	8.46
9:54	8.22	100	27	222	15.31	4.156	0.50	7.13	-48.1	8.01
9:57	8.20	100	30	200	15.23	4.169	0.45	7.12	-54.1	7.71
10:01	8.20	100	16	375	15.27	4.202	0.41	7.12	-56.8	7.07
10:05	8.23	100	35	171	15.32	4.216	0.37	7.11	-62.7	7.04
10:08	8.25	100	25	240	15.46	4.215	0.35	7.12	-62.9	6.98
10:11	8.29	100	22	273	15.98	4.268	0.27	7.13	-67.6	6.05
10:14	8.30	100	24		15.94	4.275	0.26	7.13	-68.4	6.01
10:17	8.29	100	24		15.91	4.273	0.25	7.13	-68.7	4.57
10:20	8.29	100	25		15.93	4.279	0.24	7.13	-69.7	3.02
10:30	8.34				16.33	4.301	0.21	7.13	-76.0	
10:45	8.36									
11:00	8.39									
11:15	8.30									

Sample Start Time: 10:20 **Sampling Pumping Rate:** 240 -250 mL/min (Not to exceed 250 mL/min)

8 oz Plastic [HNO3] METALS	X	32 oz Plastic NON METALS	X	16 oz Plastic NON METALS	X	8 oz Plastic NON METALS - BROMIDE	X
16 oz Amber Glass [HNO3] PHENOL	X	16 oz Plastic [H2SO4] N,COD	X	8 oz Plastic [NaOH] CYANIDE	X	8 oz Plastic [Zinc Acetate] SULFIDE	
Vials VOC	2	32 oz Amber Glass ACID EXTRACTABLES	X	32 oz Amber Glass BASE NEUTRAL EXTRACTABLES	X	32 oz Amber Glass PEST. & PCBs	3

QA/QC SAMPLES:	MS		MSD		BLIND DUP.	■	FIELD BLANKS		TRIP	

Sample Finish Time: 11:15	Depth to Water DTW (ft): 8.30	Volume Pumped (gallons): 5	VOC - PID Rdng (mg/L): Well: 0 Tote: 0

STRATIS

GROUNDWATER MONITORING WELL SAMPLING
PENNSYLVANIA AVE. LANDFILL

Mostly cloudy/very cold
23°F
Wind – 28 NW,
31 mph gusts

Date: 12/15/10 **Well ID:** HP-603 **Sampler:** MOG & RK & KR

VOC (PID Rdng): 0 mg/L	Depth to Water (ft): 10.01	Pump Start Time: 8:33

Time	DTW (ft)	Volume Pumped (mL)	Time to Fill (sec)	Flow Rate (mL/min.)	Temp. °C	SEC (µS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
8:35	10.01	100	28	214	12.72	1.313	3.08	7.08	-229.5	25.3
8:40	10.01	100	30	200	12.35	1.350	1.80	7.23	-230.3	21.3
8:43	10.02	100	27	222	12.69	1.401	1.29	7.01	-233.5	19.8
8:46	10.05	100	25	240	12.92	1.398	1.04	6.97	-236.6	17.7
8:50	10.04	100	27	222	13.06	1.413	0.80	6.96	-235.9	14.3
8:55	10.04	100	24	250	12.99	1.409	0.66	6.95	-237.2	12.1
9:02	10.04	100	26	231	12.88	1.390	0.55	6.94	-239.1	9.52
9:06	10.04	100	26	231	12.87	1.385	0.55	6.90	-236.7	7.71
9:10	10.04	100	26	231	12.82	1.380	0.49	6.94	-237.7	5.40
9:13	10.04	100	26	231	12.58	1.369	0.51	6.91	-233.5	4.70
9:16	10.04	100	28	214	12.34	1.360	0.49	6.97	-231.3	3.93
9:20	10.04				12.38	1.357	0.47	6.85	-237.2	3.06
9:25	Sample									
9:30	10.03				14.92	1.413	0.34	6.85	-235.1	
9:40	10.04				14.90	1.407	0.31	6.92	-254.1	

Sample Start Time: 9:25 **Sampling Pumping Rate:** 210-250 (Not to exceed 250 mL/min)

8 oz Plastic [HNO3] METALS X	32 oz Plastic NON METALS X	16 oz Plastic NON METALS X	8 oz Plastic NON METALS - BROMIDE X
16 oz Amber Glass [HNO3] PHENOL X	16 oz Plastic [H2SO4] N,COD X	8 oz Plastic [NaOH] CYANIDE X	8 oz Plastic [Zinc Acetate] SULFIDE ☐
Vials VOC 2	32 oz Amber Glass ACID EXTRACTABLES X	32 oz Amber Glass BASE NEUTRAL EXTRACTABLES X	32 oz Amber Glass PEST. & PCBs 3

QA/QC SAMPLES:	MS ☐	MSD ☐	BLIND DUP. ☐	FIELD BLANKS ☐	TRIP ☐

Sample Finish Time: 10:00	Depth to Water DTW (ft): 10.04	Volume Pumped (gallons): ~4	VOC - PID Rdng (mg/L): Well: 0 Tote: 0

Groundwater Monitoring Laboratory Analytical Results Summary Report

GROUNDWATER MONITORING ANALYTICAL RESULTS SUMMARY TABLE

Wells Screened in the:		Saturated Zone Above the Tital Marsh Deposit									
Pennsylvania Avenue Landfill **#200903**		12/14/2010 105793.02		12/13/2010 105793.05		12/14/2010 105793.04		12/14/2010 105808.03		12/14/2010 105808.01	
ANALYTE	UNITS	HP-101-U		HP-407-U		HP-104-A		HP-318		HP-603	
Volatile Organic Carbons											
1,1 Dichloroethane	ug/L	<	1	<	1	<	1	<	1	<	1
1,1 Dichloroethene	ug/L	<	1	<	1	<	1	<	1	<	1
1,1-Dichloropropene	ug/L	<	1	<	1	<	1	<	1	<	1
1,2 Dibromoethane	ug/L	<	1	<	1	<	1	<	1	<	1
1,2 Dichlorobenzene (v)	ug/L	<	1	<	1	<	1	<	1	<	1
1,2 Dichloroethane	ug/L	<	1	<	1	<	1	<	1	<	1
1,2 Dichloropropane	ug/L	<	1	<	1	<	1	<	1	<	1
1,3 Dichlorobenzene (v)	ug/L	<	1	<	1	<	1	<	1	<	1
1,3-Dichloropropane	ug/L	<	1	<	1	<	1	<	1	<	1
1,4 Dichlorobenzene (v)	ug/L		3	<	1	<	1	<	1	<	1
111 Trichloroethane	ug/L	<	1	<	1	<	1	<	1	<	1
1112Tetrachloroethane	ug/L	<	1	<	1	<	1	<	1	<	1
112 Trichloroethane	ug/L	<	1	<	1	<	1	<	1	<	1
1122Tetrachloroethane	ug/L	<	1	<	1	<	1	<	1	<	1
123-Trichlorobenzene	ug/L	<	1	<	1	<	1	<	1	<	1
123-Trichloropropane	ug/L	<	1	<	1	<	1	<	1	<	1
124-Trichlorobenzene (v)	ug/L	<	1	<	1	<	1	<	1	<	1
124-Trimethylbenzene	ug/L	<	1	<	1	<	1	<	1	<	1
1245 Tetramethylbenz	ug/L	<	1	<	1	<	1		1	<	1
135-Trimethylbenzene	ug/L	<	1	<	1	<	1	<	1	<	1
2,2-Dichloropropane	ug/L	<	1	<	1	<	1	<	1	<	1
2-Chlorotoluene	ug/L	<	1	<	1	<	1	<	1	<	1
2-Hexanone	ug/L	<	10	<	10	<	10	<	10	<	10
4-Chlorotoluene	ug/L	<	1	<	1	<	1	<	1	<	1
Acetone	ug/L	<	10	<	10	<	10	<	10	<	10
Acrylonitrile	ug/L	<	5	<	5	<	5	<	5	<	5
Benzene	ug/L	<	1		2	<	1	<	1	<	1
Bromobenzene	ug/L	<	1	<	1	<	1	<	1	<	1
Bromochloromethane	ug/L	<	1	<	1	<	1	<	1	<	1
Bromodichloromethane	ug/L	<	1	<	1	<	1	<	1	<	1
Bromoform	ug/L	<	1	<	1	<	1	<	1	<	1
Bromomethane	ug/L	<	1 (UJ)	<	1 (UJ)	<	1 (UJ)	<	1 (UJ)	<	1 (UJ)
c-1,2-Dichloroethene	ug/L	<	1	<	1	<	1	<	1	<	1
c-1,3Dichloropropene	ug/L	<	1	<	1	<	1	<	1	<	1
Carbon disulfide	ug/L	<	1 (UJ)	<	1 (UJ)	<	1 (UJ)	<	1 (UJ)	<	1 (UJ)
Carbon Tetrachloride	ug/L	<	1	<	1	<	1	<	1	<	1
Chlorobenzene	ug/L		8		4		5		11		2
Chlorodibromomethane	ug/L	<	1	<	1	<	1	<	1	<	1
Chlorodifluoromethane	ug/L	<	1	<	1	<	1	<	1	<	1
Chloroethane	ug/L	<	1	<	1	<	1	<	1	<	1
Chloroform	ug/L	<	1	<	1	<	1	<	1	<	1
Chloromethane	ug/L	<	1	<	1	<	1	<	1	<	1
Dibromochloropropane	ug/L	<	1	<	1	<	1	<	1	<	1
Dibromomethane	ug/L	<	1	<	1	<	1	<	1	<	1
Dichlorodifluoromethane	ug/L	<	1	<	1	<	1	<	1	<	1

GROUNDWATER MONITORING ANALYTICAL RESULTS SUMMARY TABLE

Wells Screened in the:		Saturated Zone Above the Tital Marsh Deposit									
Pennsylvania Avenue Landfill #200903		12/14/2010 105793.02		12/13/2010 105793.05		12/14/2010 105793.04		12/14/2010 105808.03		12/14/2010 105808.01	
ANALYTE	UNITS	HP-101-U		HP-407-U		HP-104-A		HP-318		HP-603	
Volatile Organic Carbons											
Ethyl Benzene	ug/L	<	1	<	1	<	1	<	1	<	1
Freon 113	ug/L	<	1	<	1	<	1	<	1	<	1
Hexachlorobutadiene	ug/L	<	1 (UJ)	<	1 (UJ)	<	1 (UJ)	<	1 (UJ)	<	1 (UJ)
Isopropylbenzene	ug/L	<	1		1	<	1	<	1	<	1
m + p Xylene	ug/L	<	2	<	2	<	2	<	2	<	2
Methyl Ethyl Ketone	ug/L	<	10	<	10	<	10	<	10	<	10
Methylene Chloride	ug/L	<	1 (UJ)	<	1 (UJ)	<	1 (UJ)	<	1 (UJ)	<	1 (UJ)
Methylisobutylketone	ug/L	<	10	<	10	<	10	<	10	<	10
n-Butylbenzene	ug/L	<	1	<	1	<	1	<	1	<	1
n-Propylbenzene	ug/L	<	1	<	1	<	1	<	1	<	1
Naphthalene(v)	ug/L	<	1	<	1	<	1	<	1	<	1
o Xylene	ug/L	<	1	<	1	<	1	<	1	<	1
p Diethylbenzene	ug/L	<	1	<	1	<	1	<	1	<	1
p-Ethyltoluene	ug/L	<	1	<	1	<	1	<	1	<	1
p-Isopropyltoluene	ug/L	<	1	<	1	<	1	<	1	<	1
sec-Butylbenzene	ug/L	<	1	<	1	<	1	<	1	<	1
Styrene	ug/L	<	1	<	1	<	1	<	1	<	1
t-1,2-Dichloroethene	ug/L	<	1	<	1	<	1	<	1	<	1
t-1,3Dichloropropene	ug/L	<	1	<	1	<	1	<	1	<	1
t-1,4-Dichloro-2-butene	ug/L	<	1	<	1	<	1	<	1	<	1
ter.ButylMethylEther	ug/L	<	1	<	1	<	1	<	1	<	1
tert-Butylbenzene	ug/L	<	1	<	1	<	1	<	1	<	1
Tetrachloroethene	ug/L	<	1	<	1	<	1	<	1	<	1
Toluene	ug/L	<	1	<	1	<	1	<	1	<	1
Trichloroethene	ug/L	<	1	<	1	<	1	<	1	<	1
Trichlorofluoromethane	ug/L	<	1	<	1	<	1	<	1	<	1
Vinyl Acetate	ug/L	<	10	<	10	<	10	<	10	<	10
Vinyl Chloride	ug/L	<	1	<	1	<	1	<	1	<	1
Semi-Volatile Organic Carbons											
1,2 Dichlorobenzene(sv)	ug/L	<	1	<	1	<	1	<	1	<	1 (UJ)
1,3 Dichlorobenzene(sv)	ug/L	<	1	<	1	<	1	<	1	<	1 (UJ)
1,4 Dichlorobenzene(sv)	ug/L		1.5	<	1		1	<	1	<	1 (UJ)
124-Trichlorobenzene (sv)	ug/L	<	1	<	1	<	1	<	1	<	1
2,4-Dinitrotoluene	ug/L	<	1	<	1	<	1	<	1	<	1 (UJ)
2,6-Dinitrotoluene	ug/L	<	1	<	1	<	1	<	1	<	1 (UJ)
2-Chloronaphthalene	ug/L	<	1	<	1	<	1	<	1	<	1 (UJ)
2-Methylnaphthalene	ug/L	<	1	<	1	<	1	<	1	<	1
2-Nitroaniline	ug/L	<	1	<	1	<	1	<	1	<	1
3,3'-Dichlorobenzidine	ug/L	<	10	<	10 (UJ)	<	10	<	10	<	10 (UJ)
3-Nitroaniline	ug/L	<	1	<	1	<	1	<	1	<	1 (UJ)
4-Bromophenyl phenyl ether	ug/L	<	1	<	1	<	1	<	1	<	1 (UJ)
4-Chloroaniline	ug/L	<	1	<	1	<	1	<	1	<	1
4-Chlorophenyl phenyl ether	ug/L	<	1	<	1	<	1	<	1	<	1 (UJ)
4-Nitroaniline	ug/L	<	1	<	1	<	1	<	1	<	1 (UJ)

GROUNDWATER MONITORING ANALYTICAL RESULTS SUMMARY TABLE

Wells Screened in the:		Saturated Zone Above the Tital Marsh Deposit									
Pennsylvania Avenue Landfill #200903		12/14/2010 105793.02		12/13/2010 105793.05		12/14/2010 105793.04		12/14/2010 105808.03		12/14/2010 105808.01	
ANALYTE	UNITS	HP-101-U		HP-407-U		HP-104-A		HP-318		HP-603	
Semi-Volatile Organic Carbons											
Acenaphthene	ug/L	<	1	<	1	<	1	<	1	<	1 (UJ)
Acenaphthylene	ug/L	<	1	<	1	<	1	<	1	<	1 (UJ)
Anthracene	ug/L	<	1	<	1	<	1	<	1	<	1 (UJ)
Benzo(a)anthracene	ug/L	<	1	<	1 (UJ)	<	1	<	1	<	1
Benzo(a)pyrene	ug/L	<	1	<	1 (UJ)	<	1	<	1	<	1 (UJ)
Benzo(b)fluoranthene	ug/L	<	1	<	1 (UJ)	<	1	<	1	<	1 (UJ)
Benzo(ghi)perylene	ug/L	<	1	<	1 (UJ)	<	1	<	1	<	1 (UJ)
Benzo(k)fluoranthene	ug/L	<	1	<	1 (UJ)	<	1	<	1	<	1 (UJ)
BenzylButylPhthalate	ug/L	<	1	<	1 (UJ)	<	1	<	1	<	1
Bis(2-chloroethoxy)methane	ug/L	<	1	<	1	<	1	<	1	<	1
Bis(2-chloroethyl)ether	ug/L	<	1	<	1	<	1	<	1	<	1 (UJ)
Bis(2-chloroisopropyl)ether	ug/L	<	1	<	1	<	1	<	1	<	1 (UJ)
Bis(2-ethylhexyl)phthalate	ug/L		5		1.8 (J)		1.5		1.3		1
Carbazole	ug/L	<	1	<	1	<	1	<	1	<	1 (UJ)
Chrysene	ug/L	<	1	<	1 (UJ)	<	1	<	1	<	1
Di-n-Butyl Phthalate	ug/L	<	1	<	1	<	1	<	1		1.8 (J)
Di-n-octyl Phthalate	ug/L	<	1	<	1 (UJ)	<	1	<	1	<	1 (UJ)
Dibenzo(a,h)anthracene	ug/L	<	1	<	1 (UJ)	<	1	<	1	<	1 (UJ)
Dibenzofuran	ug/L	<	1	<	1	<	1	<	1	<	1 (UJ)
Diethyl Phthalate	ug/L	<	1	<	1	<	1	<	1	<	1 (UJ)
Dimethyl Phthalate	ug/L	<	1	<	1	<	1	<	1	<	1 (UJ)
Fluoranthene	ug/L	<	1	<	1	<	1	<	1	<	1 (UJ)
Fluorene	ug/L	<	1	<	1	<	1	<	1	<	1 (UJ)
Hexachlorobenzene	ug/L	<	1	<	1	<	1	<	1	<	1 (UJ)
Hexachlorobutadiene	ug/L	<	1	<	1	<	1	<	1	<	1
Hexachlorocyclopentadiene	ug/L	<	10 (UJ)	<	10 (UJ)	<	10 (UJ)	<	10 (UJ)	<	10 (UJ)
Hexachloroethane	ug/L	<	1	<	1	<	1	<	1	<	1 (UJ)
Indeno(1,2,3-cd)pyrene	ug/L	<	1	<	1 (UJ)	<	1	<	1	<	1 (UJ)
Isophorone	ug/L	<	1	<	1	<	1	<	1	<	1
N-Nitrosodi-n-propylamine	ug/L	<	1	<	1	<	1	<	1	<	1 (UJ)
N-Nitrosodiphenylamine	ug/L	<	1	<	1	<	1	<	1	<	1 (UJ)
Naphthalene(sv)	ug/L	<	1	<	1	<	1	<	1	<	1
Nitrobenzene	ug/L	<	1	<	1	<	1	<	1	<	1
Phenanthrene	ug/L	<	1	<	1	<	1	<	1	<	1 (UJ)
Pyrene	ug/L	<	1	<	1 (UJ)	<	1	<	1	<	1
2,4,5-Trichlorophenol	ug/L	<	1	<	1	<	1	<	1	<	1 (UJ)
2,4,6-Trichlorophenol	ug/L	<	1	<	1	<	1	<	1	<	1 (UJ)
2,4-Dichlorophenol	ug/L	<	1	<	1	<	1	<	1	<	1
2,4-Dimethylphenol	ug/L	<	1 (UJ)	<	1 (UJ)	<	1 (UJ)	<	1 (UJ)	<	1 (UJ)
2,4-Dinitrophenol	ug/L	<	10	<	10	<	10	<	10	<	10 (UJ)
2-Chlorophenol	ug/L	<	1	<	1	<	1	<	1	<	1 (UJ)

GROUNDWATER MONITORING ANALYTICAL RESULTS SUMMARY TABLE

Wells Screened in the:		Saturated Zone Above the Tital Marsh Deposit				
Pennsylvania Avenue Landfill #200903		12/14/2010 105793.02	12/13/2010 105793.05	12/14/2010 105793.04	12/14/2010 105808.03	12/14/2010 105808.01
ANALYTE	UNITS	HP-101-U	HP-407-U	HP-104-A	HP-318	HP-603
Semi-Volatile Organic Carbons						
2-Methyl-4,6-dinitrophenol	ug/L	< 10	< 10	< 10	< 10	< 10 (UJ)
2-Methylphenol (o-cresol)	ug/L	< 1	< 1	< 1	< 1	< 1 (UJ)
2-Nitrophenol	ug/L	< 1	< 1	< 1	< 1	< 1
4-Chloro-3-methylphenol	ug/L	< 1	< 1	< 1	< 1	< 1
4-Methylphenol (p-cresol)	ug/L	< 1	< 1	< 1	< 1	< 1 (UJ)
4-Nitrophenol	ug/L	< 10 (UJ)	< 10 (UJ)	< 10 (UJ)	< 10 (UJ)	< 10 (UJ)
Pentachlorophenol (ms)	ug/L	< 10 (UJ)	< 10 (UJ)	< 10 (UJ)	< 10 (UJ)	< 10 (UJ)
Phenol	ug/L	< 1	< 1	< 1	< 1	< 1 (UJ)
Pesticides and PCBs						
a BHC	ug/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin	ug/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
b BHC	ug/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Chlordane	ug/L	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
d BHC	ug/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dieldrin	ug/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan 1	ug/L	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Endosulfan 2	ug/L	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Endosulfan Sulfate	ug/L	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Endrin	ug/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Endrin Aldehyde	ug/L	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Endrin Ketone	ug/L	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Heptachlor	ug/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor Epoxide	ug/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Lindane	ug/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Methoxychlor	ug/L	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
p,p-DDD	ug/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
p,p-DDE	ug/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
p,p-DDT	ug/L	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Toxaphene	ug/L	< 1	< 1	< 1	< 1	< 1
Aroclor 1016	ug/L	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065
Aroclor 1221	ug/L	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065
Aroclor 1232	ug/L	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065
Aroclor 1242	ug/L	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065
Aroclor 1248	ug/L	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065
Aroclor 1254	ug/L	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065
Aroclor 1260	ug/L	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065

GROUNDWATER MONITORING ANALYTICAL RESULTS SUMMARY TABLE

Wells Screened in the:		Saturated Zone Above the Tital Marsh Deposit									
Pennsylvania Avenue Landfill #200903		12/14/2010 105793.02		12/13/2010 105793.05		12/14/2010 105793.04		12/14/2010 105808.03		12/14/2010 105808.01	
ANALYTE	UNITS	HP-101-U		HP-407-U		HP-104-A		HP-318		HP-603	
Metals											
Aluminum as Al	mg/L	<	0.05	<	0.05	<	0.05	<	0.05	<	0.05
Antimony as Sb	mg/L	<	0.025	<	0.025	<	0.025	<	0.025	<	0.025
Arsenic as As	mg/L	<	0.025	<	0.025	<	0.025	<	0.025	<	0.025
Barium as Ba	mg/L		0.1		0.99		0.2		0.058		0.065
Beryllium as Be	mg/L	<	0.005	<	0.005	<	0.005	<	0.005	<	0.005
Boron as B	mg/L		0.29		2.7		0.39		0.34		0.29
Cadmium as Cd	mg/L	<	0.025	<	0.025	<	0.025	<	0.025	<	0.025
Calcium as Ca	mg/L		140		97		190		170		170
Chromium as Cr	mg/L	<	0.025	<	0.025	<	0.025	<	0.025	<	0.025
Chromium hex as Cr	mg/L	<	0.02	<	0.02	<	0.02	<	0.02	<	0.02
Cobalt as Co	mg/L	<	0.025	<	0.025	<	0.025	<	0.025	<	0.025
Copper as Cu	mg/L	<	0.05	<	0.05	<	0.05	<	0.05	<	0.05
Iron as Fe	mg/L		23		1.4		4		9.7		6.1
Lead as Pb	mg/L	<	0.025	<	0.025	<	0.025	<	0.025	<	0.025
Magnesium as Mg	mg/L		25		130		46		34		28
Manganese as Mn	mg/L		0.41		0.37		0.85		0.45		0.6
Mercury as Hg	mg/L	<	0.001	<	0.001	<	0.001	<	0.001	<	0.001
Nickel as Ni	mg/L	<	0.05	<	0.05	<	0.05	<	0.05	<	0.05
Potassium as K	mg/L		26		85		30		34		13
Selenium as Se	mg/L	<	0.05	<	0.05	<	0.05	<	0.05	<	0.05
Silver as Ag	mg/L	<	0.025	<	0.025	<	0.025	<	0.025	<	0.025
Sodium as Na	mg/L		560		400		110		430		83
Thallium as Tl	mg/L	<	0.025	<	0.025	<	0.025	<	0.025	<	0.025
Vanadium as V	mg/L	<	0.025	<	0.025	<	0.025	<	0.025	<	0.025
Zinc as Zn	mg/L	<	0.05	<	0.05	<	0.05	<	0.05	<	0.05
Leachate Indicator Parameters											
Alkalinity tot CaCo3	mg/L		460		1800		710		380		270
Ammonia as N	mg/L		10		120		12		16		2
BOD5	mg/L	<	2		4.3	<	2		2.9	<	2
Bromide as Br	mg/L		1.2		3		1.5		1.2		1
Chloride as Cl	mg/L		950		370		160		1000		85
COD	mg/L	<	40		300	<	40		1000	<	40
Color units			60		200		20		15		20
Cyanide as CN	mg/L	<	0.02	<	0.02	<	0.02	<	0.02	<	0.02
Hardness as CaC03			450		760		660		570		540
Nitrate as N	mg/L	<	0.5	<	0.5	<	0.5		0.7	<	0.5
Phenols as Phenol	mg/L	<	0.001	<	0.001	<	0.001	<	0.001	<	0.001
Sulfate as SO4	mg/L		150	<	10		180		9		300
Tot Dissolved Solids	mg/L		2100		1900		1000		2100		930
Tot Organic Carbon	mg/L		11		67		11		2.6		1.9
Tot. Kjeldahl N.	mg/L		11		120		13		17		3.2

GROUNDWATER MONITORING ANALYTICAL RESULTS SUMMARY TABLE

Wells Screened in the:		Upper Portion of the Upper Glacial Aquifer			Lower Portion of the Upper Glacial Aquifer		
Pennsylvania Avenue Landfill #200903		12/14/2010 105793.01	12/13/2010 105793.06		12/14/2010 105793.03	12/14/2010 105808.02	12/13/2010 105793.07
ANALYTE	UNITS	HP-101-S	HP-407-S		HP-101-D	HP-103-D	HP-407-D
Volatile Organic Carbons							
1,1 Dichloroethane	ug/L	< 1	< 1		< 1	< 1	< 1
1,1 Dichloroethene	ug/L	< 1	< 1		< 1	< 1	< 1
1,1-Dichloropropene	ug/L	< 1	< 1		< 1	< 1	< 1
1,2 Dibromoethane	ug/L	< 1	< 1		< 1	< 1	< 1
1,2 Dichlorobenzene (v)	ug/L	< 1	< 1		< 1	< 1	< 1
1,2 Dichloroethane	ug/L	< 1	< 1		< 1	< 1	< 1
1,2 Dichloropropane	ug/L	< 1	< 1		< 1	< 1	< 1
1,3 Dichlorobenzene (v)	ug/L	< 1	< 1		< 1	< 1	< 1
1,3-Dichloropropane	ug/L	< 1	< 1		< 1	< 1	< 1
1,4 Dichlorobenzene (v)	ug/L	< 1	< 1		< 1	< 1	< 1
111 Trichloroethane	ug/L	< 1	< 1		< 1	< 1	< 1
1112Tetrachloroethane	ug/L	< 1	< 1		< 1	< 1	< 1
112 Trichloroethane	ug/L	< 1	< 1		< 1	< 1	< 1
1122Tetrachloroethane	ug/L	< 1	< 1		< 1	< 1	< 1
123-Trichlorobenzene	ug/L	< 1	< 1		< 1	< 1	< 1
123-Trichloropropane	ug/L	< 1	< 1		< 1	< 1	< 1
124-Trichlorobenzene (v)	ug/L	< 1	< 1		< 1	< 1	< 1
124-Trimethylbenzene	ug/L	< 1	< 1		< 1	< 1	< 1
1245 Tetramethylbenz	ug/L	< 1	< 1		< 1	< 1	< 1
135-Trimethylbenzene	ug/L	< 1	< 1		< 1	< 1	< 1
2,2-Dichloropropane	ug/L	< 1	< 1		< 1	< 1	< 1
2-Chlorotoluene	ug/L	< 1	< 1		< 1	< 1	< 1
2-Hexanone	ug/L	< 10	< 10		< 10	< 10	< 10
4-Chlorotoluene	ug/L	< 1	< 1		< 1	< 1	< 1
Acetone	ug/L	< 10	< 10		< 10	< 10	< 10
Acrylonitrile	ug/L	< 5	< 5		< 5	< 5	< 5
Benzene	ug/L	< 1	< 1		< 1	< 1	< 1
Bromobenzene	ug/L	< 1	< 1		< 1	< 1	< 1
Bromochloromethane	ug/L	< 1	< 1		< 1	< 1	< 1
Bromodichloromethane	ug/L	< 1	< 1		< 1	< 1	< 1
Bromoform	ug/L	< 1	< 1		< 1	< 1	< 1
Bromomethane	ug/L	< 1 (UJ)	< 1 (UJ)		< 1 (UJ)	< 1 (UJ)	< 1 (UJ)
c-1,2-Dichloroethene	ug/L	< 1	< 1		< 1	< 1	< 1
c-1,3Dichloropropene	ug/L	< 1	< 1		< 1	< 1	< 1
Carbon disulfide	ug/L	< 1 (UJ)	< 1 (UJ)		< 1 (UJ)	< 1 (UJ)	< 1 (UJ)
Carbon Tetrachloride	ug/L	< 1	< 1		< 1	< 1	< 1
Chlorobenzene	ug/L	< 1	< 1		< 1	< 1	< 1
Chlorodibromomethane	ug/L	< 1	< 1		< 1	< 1	< 1
Chlorodifluoromethane	ug/L	< 1	< 1		< 1	< 1	< 1
Chloroethane	ug/L	< 1	< 1		< 1	< 1	< 1
Chloroform	ug/L	< 1	< 1		< 1	< 1	< 1
Chloromethane	ug/L	< 1	< 1		< 1	< 1	< 1
Dibromochloropropane	ug/L	< 1	< 1		< 1	< 1	< 1
Dibromomethane	ug/L	< 1	< 1		< 1	< 1	< 1
Dichlorodifluoromethane	ug/L	< 1	< 1		< 1	< 1	< 1

GROUNDWATER MONITORING ANALYTICAL RESULTS SUMMARY TABLE

Wells Screened in the:		Upper Portion of the Upper Glacial Aquifer		Lower Portion of the Upper Glacial Aquifer		
Pennsylvania Avenue Landfill #200903		12/14/2010 105793.01	12/13/2010 105793.06	12/14/2010 105793.03	12/14/2010 105808.02	12/13/2010 105793.07
ANALYTE	UNITS	HP-101-S	HP-407-S	HP-101-D	HP-103-D	HP-407-D
Volatile Organic Carbons						
Ethyl Benzene	ug/L	< 1	< 1	< 1	< 1	< 1
Freon 113	ug/L	< 1	< 1	< 1	< 1	< 1
Hexachlorobutadiene	ug/L	< 1 (UJ)	< 1 (UJ)	< 1 (UJ)	< 1 (UJ)	< 1 (UJ)
Isopropylbenzene	ug/L	< 1	< 1	< 1	< 1	< 1
m + p Xylene	ug/L	< 2	< 2	< 2	< 2	< 2
Methyl Ethyl Ketone	ug/L	< 10	< 10	< 10	< 10	< 10
Methylene Chloride	ug/L	< 1 (UJ)	< 1 (UJ)	< 1 (UJ)	< 1 (UJ)	< 1 (UJ)
Methylisobutylketone	ug/L	< 10	< 10	< 10	< 10	< 10
n-Butylbenzene	ug/L	< 1	< 1	< 1	< 1	< 1
n-Propylbenzene	ug/L	< 1	< 1	< 1	< 1	< 1
Naphthalene(v)	ug/L	< 1	< 1	< 1	< 1	< 1
o Xylene	ug/L	< 1	< 1	< 1	< 1	< 1
p Diethylbenzene	ug/L	< 1	< 1	< 1	< 1	< 1
p-Ethyltoluene	ug/L	< 1	< 1	< 1	< 1	< 1
p-Isopropyltoluene	ug/L	< 1	< 1	< 1	< 1	< 1
sec-Butylbenzene	ug/L	< 1	< 1	< 1	< 1	< 1
Styrene	ug/L	< 1	< 1	< 1	< 1	< 1
t-1,2-Dichloroethene	ug/L	< 1	< 1	< 1	< 1	< 1
t-1,3Dichloropropene	ug/L	< 1	< 1	< 1	< 1	< 1
t-1,4-Dichloro-2-butene	ug/L	< 1	< 1	< 1	< 1	< 1
ter.ButylMethylEther	ug/L	< 1	< 1	< 1	< 1	< 1
tert-Butylbenzene	ug/L	< 1	< 1	< 1	< 1	< 1
Tetrachloroethene	ug/L	< 1	< 1	< 1	< 1	< 1
Toluene	ug/L	< 1	< 1	< 1	< 1	< 1
Trichloroethene	ug/L	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	ug/L	< 1	< 1	< 1	< 1	< 1
Vinyl Acetate	ug/L	< 10	< 10	< 10	< 10	< 10
Vinyl Chloride	ug/L	< 1	< 1	< 1	< 1	< 1
Semi-Volatile Organic Carbons						
1,2 Dichlorobenzene(sv)	ug/L	< 1	< 1	< 1	< 1 (UJ)	< 1
1,3 Dichlorobenzene(sv)	ug/L	< 1	< 1	< 1	< 1 (UJ)	< 1
1,4 Dichlorobenzene(sv)	ug/L	< 1	< 1	< 1	< 1 (UJ)	< 1
124-Trichlorobenzene (sv)	ug/L	< 1	< 1	< 1	< 1	< 1
2,4-Dinitrotoluene	ug/L	< 1	< 1	< 1	< 1 (UJ)	< 1
2,6-Dinitrotoluene	ug/L	< 1	< 1	< 1	< 1 (UJ)	< 1
2-Chloronaphthalene	ug/L	< 1	< 1	< 1	< 1 (UJ)	< 1
2-Methylnaphthalene	ug/L	< 1	< 1	< 1	< 1	< 1
2-Nitroaniline	ug/L	< 1	< 1	< 1	< 1	< 1
3,3'-Dichlorobenzidine	ug/L	< 10	< 10	< 10	< 10 (UJ)	< 10
3-Nitroaniline	ug/L	< 1	< 1	< 1	< 1 (UJ)	< 1
4-Bromophenyl phenyl ether	ug/L	< 1	< 1	< 1	< 1 (UJ)	< 1
4-Chloroaniline	ug/L	< 1	< 1	< 1	< 1	< 1
4-Chlorophenyl phenyl ether	ug/L	< 1	< 1	< 1	< 1 (UJ)	< 1
4-Nitroaniline	ug/L	< 1	< 1	< 1	< 1 (UJ)	< 1

GROUNDWATER MONITORING ANALYTICAL RESULTS SUMMARY TABLE

Wells Screened in the:		Upper Portion of the Upper Glacial Aquifer				Lower Portion of the Upper Glacial Aquifer					
Pennsylvania Avenue Landfill #200903		12/14/2010	105793.01	12/13/2010	105793.06	12/14/2010	105793.03	12/14/2010	105808.02	12/13/2010	105793.07
ANALYTE	UNITS	HP-101-S		HP-407-S		HP-101-D		HP-103-D		HP-407-D	
Semi-Volatile Organic Carbons											
Acenaphthene	ug/L	<	1	<	1	<	1	<	1 (UJ)	<	1
Acenaphthylene	ug/L	<	1	<	1	<	1	<	1 (UJ)	<	1
Anthracene	ug/L	<	1	<	1	<	1	<	1 (UJ)	<	1
Benzo(a)anthracene	ug/L	<	1	<	1	<	1	<	1	<	1
Benzo(a)pyrene	ug/L	<	1	<	1	<	1	<	1 (UJ)	<	1
Benzo(b)fluoranthene	ug/L	<	1	<	1	<	1	<	1 (UJ)	<	1
Benzo(ghi)perylene	ug/L	<	1	<	1	<	1	<	1 (UJ)	<	1
Benzo(k)fluoranthene	ug/L	<	1	<	1	<	1	<	1 (UJ)	<	1
BenzylButylPhthalate	ug/L	<	1	<	1	<	1	<	1	<	1
Bis(2-chloroethoxy)methane	ug/L	<	1	<	1	<	1	<	1	<	1
Bis(2-chloroethyl)ether	ug/L	<	1	<	1	<	1	<	1 (UJ)	<	1
Bis(2-chloroisopropyl)ether	ug/L	<	1	<	1	<	1	<	1 (UJ)	<	1
Bis(2-ethylhexyl)phthalate	ug/L	<	1		1.4		4.9		2.2		1.9
Carbazole	ug/L	<	1	<	1	<	1	<	1 (UJ)	<	1
Chrysene	ug/L	<	1	<	1	<	1	<	1	<	1
Di-n-Butyl Phthalate	ug/L	<	1	<	1	<	1		1.6 (J)	<	1
Di-n-octyl Phthalate	ug/L	<	1	<	1	<	1	<	1 (UJ)	<	1
Dibenzo(a,h)anthracene	ug/L	<	1	<	1	<	1	<	1 (UJ)	<	1
Dibenzofuran	ug/L	<	1	<	1	<	1	<	1 (UJ)	<	1
Diethyl Phthalate	ug/L	<	1	<	1	<	1	<	1 (UJ)	<	1
Dimethyl Phthalate	ug/L	<	1	<	1	<	1	<	1 (UJ)	<	1
Fluoranthene	ug/L	<	1	<	1	<	1	<	1 (UJ)	<	1
Fluorene	ug/L	<	1	<	1	<	1	<	1 (UJ)	<	1
Hexachlorobenzene	ug/L	<	1	<	1	<	1	<	1 (UJ)	<	1
Hexachlorobutadiene	ug/L	<	1	<	1	<	1	<	1	<	1
Hexachlorocyclopentadiene	ug/L	<	10 (UJ)	<	10 (UJ)	<	10 (UJ)	<	10 (UJ)	<	10 (UJ)
Hexachloroethane	ug/L	<	1	<	1	<	1	<	1 (UJ)	<	1
Indeno(1,2,3-cd)pyrene	ug/L	<	1	<	1	<	1	<	1 (UJ)	<	1
Isophorone	ug/L	<	1	<	1	<	1	<	1	<	1
N-Nitrosodi-n-propylamine	ug/L	<	1	<	1	<	1	<	1 (UJ)	<	1
N-Nitrosodiphenylamine	ug/L	<	1	<	1	<	1	<	1 (UJ)	<	1
Naphthalene(sv)	ug/L	<	1	<	1	<	1	<	1	<	1
Nitrobenzene	ug/L	<	1	<	1	<	1	<	1	<	1
Phenanthrene	ug/L	<	1	<	1	<	1	<	1 (UJ)	<	1
Pyrene	ug/L	<	1	<	1	<	1	<	1	<	1
2,4,5-Trichlorophenol	ug/L	<	1	<	1	<	1	<	1 (UJ)	<	1
2,4,6-Trichlorophenol	ug/L	<	1	<	1	<	1	<	1 (UJ)	<	1
2,4-Dichlorophenol	ug/L	<	1	<	1	<	1	<	1	<	1
2,4-Dimethylphenol	ug/L	<	1 (UJ)	<	1 (UJ)	<	1 (UJ)	<	1 (UJ)	<	1 (UJ)
2,4-Dinitrophenol	ug/L	<	10	<	10	<	10	<	10 (UJ)	<	10
2-Chlorophenol	ug/L	<	1	<	1	<	1	<	1 (UJ)	<	1

GROUNDWATER MONITORING ANALYTICAL RESULTS SUMMARY TABLE

Wells Screened in the:		Upper Portion of the Upper Glacial Aquifer			Lower Portion of the Upper Glacial Aquifer		
Pennsylvania Avenue Landfill **#200903**		12/14/2010 105793.01	12/13/2010 105793.06	12/14/2010 105793.03	12/14/2010 105808.02	12/13/2010 105793.07	
ANALYTE	UNITS	HP-101-S	HP-407-S	HP-101-D	HP-103-D	HP-407-D	
Semi-Volatile Organic Carbons							
2-Methyl-4,6-dinitrophenol	ug/L	< 10	< 10	< 10	< 10 (UJ)	< 10	
2-Methylphenol (o-cresol)	ug/L	< 1	< 1	< 1	< 1 (UJ)	< 1	
2-Nitrophenol	ug/L	< 1	< 1	< 1	< 1	< 1	
4-Chloro-3-methylphenol	ug/L	< 1	< 1	< 1	< 1	< 1	
4-Methylphenol (p-cresol)	ug/L	< 1	< 1	< 1	< 1 (UJ)	< 1	
4-Nitrophenol	ug/L	< 10 (UJ)	< 10 (UJ)	< 10 (UJ)	< 10 (UJ)	< 10 (UJ)	
Pentachlorophenol (ms)	ug/L	< 10 (UJ)	< 10 (UJ)	< 10 (UJ)	< 10 (UJ)	< 10 (UJ)	
Phenol	ug/L	< 1	< 1	< 1	< 1 (UJ)	< 1	
Pesticides and PCBs							
a BHC	ug/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	
Aldrin	ug/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	
b BHC	ug/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	
Chlordane	ug/L	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	
d BHC	ug/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	
Dieldrin	ug/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	
Endosulfan 1	ug/L	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	
Endosulfan 2	ug/L	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	
Endosulfan Sulfate	ug/L	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	
Endrin	ug/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	
Endrin Aldehyde	ug/L	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	
Endrin Ketone	ug/L	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	
Heptachlor	ug/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	
Heptachlor Epoxide	ug/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	
Lindane	ug/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	
Methoxychlor	ug/L	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	
p,p-DDD	ug/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	
p,p-DDE	ug/L	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	
p,p-DDT	ug/L	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	
Toxaphene	ug/L	< 1	< 1	< 1	< 1	< 1	
Aroclor 1016	ug/L	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	
Aroclor 1221	ug/L	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	
Aroclor 1232	ug/L	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	
Aroclor 1242	ug/L	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	
Aroclor 1248	ug/L	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	
Aroclor 1254	ug/L	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	
Aroclor 1260	ug/L	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065 (UJ)	

GROUNDWATER MONITORING ANALYTICAL RESULTS SUMMARY TABLE

Wells Screened in the:		Upper Portion of the Upper Glacial Aquifer				Lower Portion of the Upper Glacial Aquifer					
Pennsylvania Avenue Landfill #200903		12/14/2010		12/13/2010		12/14/2010		12/14/2010		12/13/2010	
			105793.01		105793.06		105793.03		105808.02		105793.07
ANALYTE	UNITS		HP-101-S		HP-407-S		HP-101-D		HP-103-D		HP-407-D
Metals											
Aluminum as Al	mg/L	<	0.05	<	0.05	<	0.05		0.13	<	0.05
Antimony as Sb	mg/L	<	0.025	<	0.025	<	0.025	<	0.025	<	0.025
Arsenic as As	mg/L	<	0.025	<	0.025	<	0.025	<	0.025	<	0.025
Barium as Ba	mg/L		0.04		0.16		0.18		0.1		0.06
Beryllium as Be	mg/L	<	0.005	<	0.005	<	0.005	<	0.005	<	0.001
Boron as B	mg/L		1		1.7		2.1		3.5		1.8
Cadmium as Cd	mg/L	<	0.025	<	0.025	<	0.025	<	0.025	<	0.025
Calcium as Ca	mg/L		44		220		230		340		260
Chromium as Cr	mg/L	<	0.025	<	0.025		0.15	<	0.025	<	0.025
Chromium hex as Cr	mg/L	<	0.02	<	0.02	<	0.02	<	0.02	<	0.02
Cobalt as Co	mg/L	<	0.025	<	0.025	<	0.025	<	0.025	<	0.025
Copper as Cu	mg/L	<	0.05	<	0.05	<	0.05	<	0.05	<	0.05
Iron as Fe	mg/L		0.98		16		12		5		24
Lead as Pb	mg/L	<	0.025	<	0.025	<	0.025	<	0.025	<	0.025
Magnesium as Mg	mg/L		110		500		420		990		610
Manganese as Mn	mg/L	<	0.05		0.6		0.27		1.4		0.91
Mercury as Hg	mg/L	<	0.001	<	0.001	<	0.001	<	0.001	<	0.001
Nickel as Ni	mg/L	<	0.05		0.05		0.07	<	0.05	<	0.05
Potassium as K	mg/L		93		280		290		430		350
Selenium as Se	mg/L	<	0.05	<	0.05	<	0.05	<	0.05	<	0.05
Silver as Ag	mg/L	<	0.025	<	0.025	<	0.025	<	0.025	<	0.025
Sodium as Na	mg/L		1100		3900		13000		8100		4900
Thallium as Tl	mg/L	<	0.025	<	0.025	<	0.025	<	0.025	<	0.025
Vanadium as V	mg/L	<	0.025	<	0.025	<	0.025	<	0.025	<	0.025
Zinc as Zn	mg/L	<	0.05	<	0.05	<	0.05	<	0.05	<	0.05
Leachate Indicator Parameters											
Alkalinity tot CaCo3	mg/L		760		560		760		230		300
Ammonia as N	mg/L		4		12		17		4.4		2
BOD5	mg/L	<	2		2.3	<	2		2.8	<	2
Bromide as Br	mg/L		2.6		13		99		110		12
Chloride as Cl	mg/L		1900		8800		29000		17000		10000
COD	mg/L		90		450		1400		80		450
Color units			50		100		80		10		80
Cyanide as CN	mg/L	<	0.02	<	0.02	<	0.02	<	0.02	<	0.02
Hardness as CaC03			570		2600		2300		4900		3100
Nitrate as N	mg/L	<	0.5	<	0.5	<	0.5	<	0.5	<	0.5
Phenols as Phenol	mg/L	<	0.001	<	0.001	<	0.001	<	0.001	<	0.001
Sulfate as SO4	mg/L	<	5		700		980		1900		1100
Tot Dissolved Solids	mg/L		3100		13000		37000		28000		17000
Tot Organic Carbon	mg/L		9.1		2.1		4.5	<	0.5		1
Tot. Kjeldahl N.	mg/L		4.8		13		18		5.2		2.6

GROUNDWATER MONITORING ANALYTICAL RESULTS SUMMARY TABLE

Wells Screened in the:		QA/QC Samples									
Pennsylvania Avenue Landfill #200903		40525		12/13/2010		12/13/2010		12/13/2010			
		105793.10		105793.08		105793.09		105808.04			105808.05
ANALYTE	UNITS	Blind Duplicate		HP-407-D-MS		HP-407-D-MSD		Field Blank		Trip Blank	
Volatile Organic Carbons											
1,1 Dichloroethane	ug/L	<	1		19		19	<	1	<	1
1,1 Dichloroethene	ug/L	<	1		19		19	<	1	<	1
1,1-Dichloropropene	ug/L	<	1		21		21	<	1	<	1
1,2 Dibromoethane	ug/L	<	1		20		20	<	1	<	1
1,2 Dichlorobenzene (v)	ug/L	<	1		20		20	<	1	<	1
1,2 Dichloroethane	ug/L	<	1		21		21	<	1	<	1
1,2 Dichloropropane	ug/L	<	1		20		21	<	1	<	1
1,3 Dichlorobenzene (v)	ug/L	<	1		20		20	<	1	<	1
1,3-Dichloropropane	ug/L	<	1		20		21	<	1	<	1
1,4 Dichlorobenzene (v)	ug/L	<	1		20		19	<	1	<	1
111 Trichloroethane	ug/L	<	1		20		21	<	1	<	1
1112Tetrachloroethane	ug/L	<	1		20		20	<	1	<	1
112 Trichloroethane	ug/L	<	1		20		21	<	1	<	1
1122Tetrachloroethane	ug/L	<	1		21		21	<	1	<	1
123-Trichlorobenzene	ug/L	<	1		19		19	<	1	<	1
123-Trichloropropane	ug/L	<	1		20		21	<	1	<	1
124-Trichlorobenzene (v)	ug/L	<	1		19		19	<	1	<	1
124-Trimethylbenzene	ug/L	<	1		20		20	<	1	<	1
1245 Tetramethylbenz	ug/L	<	1		19		20	<	1	<	1
135-Trimethylbenzene	ug/L	<	1		20		19	<	1	<	1
2,2-Dichloropropane	ug/L	<	1		21		20	<	1	<	1
2-Chlorotoluene	ug/L	<	1		20		20	<	1	<	1
2-Hexanone	ug/L	<	10		130		130	<	10	<	10
4-Chlorotoluene	ug/L	<	1		20		20	<	1	<	1
Acetone	ug/L	<	10		86		96	<	10	<	10
Acrylonitrile	ug/L	<	5		18		19	<	5	<	5
Benzene	ug/L		2		20		21	<	1	<	1
Bromobenzene	ug/L	<	1		20		20	<	1	<	1
Bromochloromethane	ug/L	<	1		19		20	<	1	<	1
Bromodichloromethane	ug/L	<	1		20		21	<	1	<	1
Bromoform	ug/L	<	1		20		20	<	1	<	1
Bromomethane	ug/L	<	1 (UJ)		18		18	<	1 (UJ)	<	1 (UJ)
c-1,2-Dichloroethene	ug/L	<	1		18		19	<	1	<	1
c-1,3Dichloropropene	ug/L	<	1		20		20	<	1	<	1
Carbon disulfide	ug/L	<	1 (UJ)		19		19	<	1 (UJ)	<	1 (UJ)
Carbon Tetrachloride	ug/L	<	1		21		20	<	1	<	1
Chlorobenzene	ug/L		4		20		20	<	1	<	1
Chlorodibromomethane	ug/L	<	1		21		21	<	1	<	1
Chlorodifluoromethane	ug/L	<	1		24		25	<	1	<	1
Chloroethane	ug/L	<	1		19		21	<	1	<	1
Chloroform	ug/L	<	1		19		19	<	1	<	1
Chloromethane	ug/L	<	1		18		19	<	1	<	1
Dibromochloropropane	ug/L	<	1		21		21	<	1	<	1
Dibromomethane	ug/L	<	1		20		21	<	1	<	1
Dichlorodifluoromethane	ug/L	<	1		18		19	<	1	<	1

GROUNDWATER MONITORING ANALYTICAL RESULTS SUMMARY TABLE

Wells Screened in the:		QA/QC Samples				
Pennsylvania Avenue Landfill #200903		40525	12/13/2010	12/13/2010	12/13/2010	
		105793.10	105793.08	105793.09	105808.04	105808.05
ANALYTE	UNITS	Blind Duplicate	HP-407-D-MS	HP-407-D-MSD	Field Blank	Trip Blank
Volatile Organic Carbons						
Ethyl Benzene	ug/L	< 1	20	20	< 1	< 1
Freon 113	ug/L	< 1	18	18	< 1	< 1
Hexachlorobutadiene	ug/L	< 1 (UJ)	20	21	< 1 (UJ)	< 1 (UJ)
Isopropylbenzene	ug/L	1	20	20	< 1	< 1
m + p Xylene	ug/L	< 2	41	41	< 2	< 2
Methyl Ethyl Ketone	ug/L	< 10	89	110	< 10	< 10
Methylene Chloride	ug/L	< 1 (UJ)	17	17	< 1 (UJ)	< 1 (UJ)
Methylisobutylketone	ug/L	< 10	120	130	< 10	< 10
n-Butylbenzene	ug/L	< 1	20	20	< 1	< 1
n-Propylbenzene	ug/L	< 1	20	20	< 1	< 1
Naphthalene(v)	ug/L	< 1	20	21	< 1	< 1
o Xylene	ug/L	< 1	20	20	< 1	< 1
p Diethylbenzene	ug/L	< 1	20	20	< 1	< 1
p-Ethyltoluene	ug/L	< 1	20	20	< 1	< 1
p-Isopropyltoluene	ug/L	< 1	20	20	< 1	< 1
sec-Butylbenzene	ug/L	< 1	20	20	< 1	< 1
Styrene	ug/L	< 1	20	19	< 1	< 1
t-1,2-Dichloroethene	ug/L	< 1	19	19	< 1	< 1
t-1,3Dichloropropene	ug/L	< 1	20	20	< 1	< 1
t-1,4-Dichloro-2-butene	ug/L	< 1	20	21	< 1	< 1
ter.ButylMethylEther	ug/L	< 1	19	20	< 1	< 1
tert-Butylbenzene	ug/L	< 1	20	20	< 1	< 1
Tetrachloroethene	ug/L	< 1	20	20	< 1	< 1
Toluene	ug/L	< 1	20	20	< 1	< 1
Trichloroethene	ug/L	< 1	20	21	< 1	< 1
Trichlorofluoromethane	ug/L	< 1	18	18	< 1	< 1
Vinyl Acetate	ug/L	< 10	110	110	< 10	< 10
Vinyl Chloride	ug/L	< 1	19	18	< 1	< 1
Semi-Volatile Organic Carbons						
1,2 Dichlorobenzene(sv)	ug/L	< 1	19	27	< 1	
1,3 Dichlorobenzene(sv)	ug/L	< 1	19	26	< 1	
1,4 Dichlorobenzene(sv)	ug/L	< 1	20	27	< 1	
124-Trichlorobenzene (sv)	ug/L	< 1	19	29	< 1	
2,4-Dinitrotoluene	ug/L	< 1	25	37	< 1	
2,6-Dinitrotoluene	ug/L	< 1	25	36	< 1	
2-Chloronaphthalene	ug/L	< 1	23	32	< 1	
2-Methylnaphthalene	ug/L	< 1	31	42	< 1	
2-Nitroaniline	ug/L	< 1	37	50	< 1	
3,3'-Dichlorobenzidine	ug/L	< 10 (UJ)	67	57	< 10	
3-Nitroaniline	ug/L	< 1	39	50	< 1	
4-Bromophenyl phenyl ether	ug/L	< 1	24	35	< 1	
4-Chloroaniline	ug/L	< 1	33	43	< 1	
4-Chlorophenyl phenyl ether	ug/L	< 1	25	36	< 1	
4-Nitroaniline	ug/L	< 1	50	65	< 1	

GROUNDWATER MONITORING ANALYTICAL RESULTS SUMMARY TABLE

Wells Screened in the:		QA/QC Samples				
Pennsylvania Avenue Landfill #200903		40525	12/13/2010	12/13/2010	12/13/2010	
		105793.10	105793.08	105793.09	105808.04	105808.05
ANALYTE	UNITS	Blind Duplicate	HP-407-D-MS	HP-407-D-MSD	Field Blank	Trip Blank
Semi-Volatile Organic Carbons						
Acenaphthene	ug/L	< 1	22	33	< 1	
Acenaphthylene	ug/L	< 1	23	34	< 1	
Anthracene	ug/L	< 1	24	37	< 1	
Benzo(a)anthracene	ug/L	< 1 (UJ)	24	35	< 1	
Benzo(a)pyrene	ug/L	< 1 (UJ)	32	44	< 1	
Benzo(b)fluoranthene	ug/L	< 1 (UJ)	29	42	< 1	
Benzo(ghi)perylene	ug/L	< 1 (UJ)	33	46	< 1	
Benzo(k)fluoranthene	ug/L	< 1 (UJ)	31	44	< 1	
BenzylButylPhthalate	ug/L	< 1 (UJ)	24	35	< 1	
Bis(2-chloroethoxy)methane	ug/L	< 1	18	28	< 1	
Bis(2-chloroethyl)ether	ug/L	< 1	19	27	< 1	
Bis(2-chloroisopropyl)ether	ug/L	< 1	19	26	< 1	
Bis(2-ethylhexyl)phthalate	ug/L	1.6 (J)	26	36	< 1	
Carbazole	ug/L	< 1	26	39	< 1	
Chrysene	ug/L	< 1 (UJ)	24	35	< 1	
Di-n-Butyl Phthalate	ug/L	1.6 (J)	25	37	< 1	
Di-n-octyl Phthalate	ug/L	< 1 (UJ)	30	41	< 1	
Dibenzo(a,h)anthracene	ug/L	< 1 (UJ)	33	47	< 1	
Dibenzofuran	ug/L	< 1	36	49	< 1	
Diethyl Phthalate	ug/L	< 1	24	36	< 1	
Dimethyl Phthalate	ug/L	< 1	23	35	< 1	
Fluoranthene	ug/L	< 1	25	38	< 1	
Fluorene	ug/L	< 1	23	36	< 1	
Hexachlorobenzene	ug/L	< 1	25	37	< 1	
Hexachlorobutadiene	ug/L	< 1	21	32	< 1	
Hexachlorocyclopentadiene	ug/L	< 10 (UJ)	18	24	< 10 (UJ)	
Hexachloroethane	ug/L	< 1	19	27	< 1	
Indeno(1,2,3-cd)pyrene	ug/L	< 1 (UJ)	34	46	< 1	
Isophorone	ug/L	< 1	19	29	< 1	
N-Nitrosodi-n-propylamine	ug/L	< 1	21	28	< 1	
N-Nitrosodiphenylamine	ug/L	< 1	25	37	< 1	
Naphthalene(sv)	ug/L	< 1	18	28	< 1	
Nitrobenzene	ug/L	< 1	18	26	< 1	
Phenanthrene	ug/L	< 1	25	35	< 1	
Pyrene	ug/L	< 1 (UJ)	27	38	< 1	
2,4,5-Trichlorophenol	ug/L	< 1	35	49	< 1	
2,4,6-Trichlorophenol	ug/L	< 1	34	49	< 1	
2,4-Dichlorophenol	ug/L	< 1	27	41	< 1	
2,4-Dimethylphenol	ug/L	< 1 (UJ)	37	50	< 1 (UJ)	
2,4-Dinitrophenol	ug/L	< 10	30	44	< 10	
2-Chlorophenol	ug/L	< 1	25	33	< 1	

GROUNDWATER MONITORING ANALYTICAL RESULTS SUMMARY TABLE

Wells Screened in the:		QA/QC Samples				
Pennsylvania Avenue Landfill #200903		40525	12/13/2010	12/13/2010	12/13/2010	
		105793.10	105793.08	105793.09	105808.04	105808.05
ANALYTE	UNITS	Blind Duplicate	HP-407-D-MS	HP-407-D-MSD	Field Blank	Trip Blank
Semi-Volatile Organic Carbons						
2-Methyl-4,6-dinitrophenol	ug/L	< 10	33	49	< 10	
2-Methylphenol (o-cresol)	ug/L	< 1	29	37	< 1	
2-Nitrophenol	ug/L	< 1	24	38	< 1	
4-Chloro-3-methylphenol	ug/L	< 1	30	42	< 1	
4-Methylphenol (p-cresol)	ug/L	< 1	25	33	< 1	
4-Nitrophenol	ug/L	< 10 (UJ)	14	19	< 10 (UJ)	
Pentachlorophenol (ms)	ug/L	< 10 (UJ)	32	47	< 10 (UJ)	
Phenol	ug/L	< 1	13	15	< 1	
Pesticides and PCBs						
a BHC	ug/L	< 0.05	0.98	0.96	< 0.05	
Aldrin	ug/L	< 0.05	0.9	0.9	< 0.05	
b BHC	ug/L	< 0.05	0.98	1	< 0.05	
Chlordane	ug/L	< 0.2	< 0.2	< 0.2	< 0.2	
d BHC	ug/L	< 0.05	1.1	1	< 0.05	
Dieldrin	ug/L	< 0.05	1	1	< 0.05	
Endosulfan 1	ug/L	< 0.1	0.99	0.97	< 0.1	
Endosulfan 2	ug/L	< 0.1	1	1	< 0.1	
Endosulfan Sulfate	ug/L	< 0.3	1	0.99	< 0.3	
Endrin	ug/L	< 0.05	1	0.99	< 0.05	
Endrin Aldehyde	ug/L	< 0.3	0.88	0.86	< 0.3	
Endrin Ketone	ug/L	< 0.1	< 0.1	< 0.1	< 0.1	
Heptachlor	ug/L	< 0.05	0.94	0.99	< 0.05	
Heptachlor Epoxide	ug/L	< 0.05	1	1	< 0.05	
Lindane	ug/L	< 0.05	1	0.98	< 0.05	
Methoxychlor	ug/L	< 0.1	1.1	1.1	< 0.1	
p,p-DDD	ug/L	< 0.05	1	1	< 0.05	
p,p-DDE	ug/L	< 0.05	0.88	0.88	< 0.05	
p,p-DDT	ug/L	< 0.1	0.94	0.91	< 0.1	
Toxaphene	ug/L	< 1	< 1	< 1	< 1	
Aroclor 1016	ug/L	< 0.065	< 0.065	< 0.065	< 0.065	
Aroclor 1221	ug/L	< 0.065	< 0.065	< 0.065	< 0.065	
Aroclor 1232	ug/L	< 0.065	< 0.065	< 0.065	< 0.065	
Aroclor 1242	ug/L	< 0.065	< 0.065	< 0.065	< 0.065	
Aroclor 1248	ug/L	< 0.065	< 0.065	< 0.065	< 0.065	
Aroclor 1254	ug/L	< 0.065	< 0.065	< 0.065	< 0.065	
Aroclor 1260	ug/L	< 0.065	0.094	0.13	< 0.065	

GROUNDWATER MONITORING ANALYTICAL RESULTS SUMMARY TABLE

Wells Screened in the:		QA/QC Samples									
Pennsylvania Avenue Landfill **#200903**		40525		12/13/2010		12/13/2010		12/13/2010			
		105793.10		105793.08		105793.09		105808.04			105808.05
ANALYTE	UNITS	Blind Duplicate		HP-407-D-MS		HP-407-D-MSD		Field Blank		Trip Blank	
Metals											
Aluminum as Al	mg/L	<	0.05		27		28	<	0.01		
Antimony as Sb	mg/L	<	0.025		0.2		0.21	<	0.005		
Arsenic as As	mg/L	<	0.025		0.44		0.44	<	0.005		
Barium as Ba	mg/L		0.94		0.47		0.47	<	0.005		
Beryllium as Be	mg/L	<	0.005		0.4		0.41	<	0.001		
Boron as B	mg/L		2.6		12		12	<	0.01		
Cadmium as Cd	mg/L	<	0.025		0.4		0.4	<	0.005		
Calcium as Ca	mg/L		98		280		280	<	0.2		
Chromium as Cr	mg/L	<	0.025		0.38		0.39	<	0.005		
Chromium hex as Cr	mg/L	<	0.02		3.9		3.9	<	0.02		
Cobalt as Co	mg/L	<	0.025		0.4		0.4	<	0.005		
Copper as Cu	mg/L	<	0.05		0.46		0.46	<	0.01		
Iron as Fe	mg/L		1.4		0.37		0.37		0.02		
Lead as Pb	mg/L	<	0.025		630		630	<	0.005		
Magnesium as Mg	mg/L		120		1.3		1.3	<	0.005		
Manganese as Mn	mg/L		0.38		0.017		0.016	<	0.01		
Mercury as Hg	mg/L	<	0.001		0.42		0.41	<	0.001		
Nickel as Ni	mg/L	<	0.05		370		340	<	0.01		
Potassium as K	mg/L		84		0.41		0.4	<	1		
Selenium as Se	mg/L	<	0.05		0.075		0.08	<	0.01		
Silver as Ag	mg/L	<	0.025		5000		4700	<	0.005		
Sodium as Na	mg/L		380		0.37		0.36	<	1		
Thallium as Tl	mg/L	<	0.025		0.41		0.41	<	0.005		
Vanadium as V	mg/L	<	0.025		44		44	<	0.005		
Zinc as Zn	mg/L	<	0.05		6.2		6.4	<	0.01		
Leachate Indicator Parameters											
Alkalinity tot CaCo3	mg/L		1500		25		27		6		
Ammonia as N	mg/L		120		12000		12000		0.2		
BOD5	mg/L		4	<	0.02	<	0.02	<	2		
Bromide as Br	mg/L		2.3		1400		1400	<	0.5		
Chloride as Cl	mg/L		390		0.095		0.095	<	2		
COD	mg/L		280		0.028		0.029	<	40		
Color units			200		1900		1900	<	5		
Cyanide as CN	mg/L	<	0.02		11		11	<	0.02		
Hardness as CaC03			740		46		46	<	0.52		
Nitrate as N	mg/L	<	0.5		20		20	<	0.5		
Phenols as Phenol	mg/L	<	0.001					<	0.001		
Sulfate as SO4	mg/L	<	10					<	5		
Tot Dissolved Solids	mg/L		1900					<	10		
Tot Organic Carbon	mg/L		64					<	0.5		
Tot. Kjeldahl N.	mg/L		120						0.4		

Groundwater Monitoring Data Usability Summary Report

ENVIRONMENTAL
Data Services, Inc.

DATA USABILITY SUMMARY REPORT
PENNSYLVANIA AVENUE LANDFILL, NEW YORK

Client: Stratis Contracting Corporation, Peekskill, New York
SDG: 105789, 105793, 105808
Laboratory: EcoTest Laboratories, Inc., North Babylon, New York
Site: Pennsylvania Avenue Landfill, New York
Date: February 17, 2011

VOC, SVOC, Pesticides, PCBs, Metals			
EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1*	M1-24 HOUR COMPOSITE (GWL INFLUENT)	105789.01	Water
2**	M1-4 GRAB COMPOSITE (GWL INFLUENT)	105789.02	Water
3	HP-101-S	105793.01	Water
4	HP-101-U	105793.02	Water
5	HP-101-D	105793.03	Water
6	HP-104-A	105793.04	Water
7	HP-407-U	105793.05	Water
8	HP-407-S	105793.06	Water
9	HP-407-D	105793.07	Water
9MS	HP-407-DMS	105793.08MS	Water
9MSD	HP-407-DMSD	105793.09MSD	Water
10	BLIND DUPLICATE	105793.10	Water
11	H-603	105808.01	Water
12	HP-103-D	105808.02	Water
13	HP-318	105808.03	Water
14	FIELD BLANK	105808.04	Water
15*	TRIP BLANK	105808.05	Water

* - Analyzed for SVOCs, PCBs, and Metals only ** - Analyzed for VOCs only

A Data Usability Summary Review was performed on the analytical data for thirteen water samples, one aqueous field blank sample, and one aqueous trip blank sample collected December 13-14, 2010 by Stratis Contracting Corp. at the Pennsylvania Avenue Landfill site in New York. The samples were analyzed under Environmental Protection Agency (USEPA) *"Test Methods for the Evaluation of Solid Waste, USEPA SW-846, Third Edition, September 1986, with revisions".*

Specific method references are as follows:

Analysis	*Method References*
VOCs	USEPA SW-846 Method 8260B/624
SVOCs	USEPA SW-846 Method 8270C/625
Pesticides/PCB	USEPA SW-846 Method 608
Metals	USEPA Method 200.7
Mercury	USEPA Method 245.2

The data have been validated according to the protocols and quality control (QC) requirements of the analytical methods and the USEPA Region II Data Review Standard Operating Procedures (SOPs) as follows:

- SOP Number HW-24, Revision 2, August 2008: Validating Volatile Organic Compounds by SW-846 Method 8260B;
- SOP Number HW-22, Revision 4, August 2008: Validating Semivolatile Organic Compounds by SW-846 Method 8270D;
- SOP Number HW-44, Revision 1, October 2006: Validating Pesticide Compounds by SW-846 Method 8081B;
- SOP Number HW-45, , Revision 1, October 2006, Validating PCB Compounds by SW-846 Method 8082A;
- SOP Number HW-2, Revision 13, September 2006: Evaluation of Metals Data for the CLP Program based on ILMO5.3;
- and the reviewer's professional judgment.

Organics

The following items/criteria were reviewed for this report:

- Data Completeness
- Holding times and sample preservation
- Surrogate Spike recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries
- Laboratory Control Sample/Duplicate (LCS/LCSD) recoveries
- Method blank and field blank contamination
- Gas Chromatography (GC)/Mass Spectroscopy (MS) tuning
- Initial and continuing calibration summaries
- Compound Quantitation
- Internal standard area and retention time summary forms
- Field Duplicate sample precision

Inorganics

The following items/criteria were reviewed:

- Data Completeness
- Holding times and sample preservation
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries
- Laboratory Control Sample/Duplicate (LCS/LCSD) recoveries
- Method blank and field blank contamination
- Initial and continuing calibration verifications
- Compound Quantitation
- ICP Serial Dilution
- Field Duplicate sample precision

Overall Usability Issues:

There were no rejections of data.

Overall the data is acceptable for the intended purposes as qualified for the following deficiencies.

- Several VOC compounds were qualified as estimated in fourteen samples due to high initial calibration %RSD values.
- 2,4-Dimethylphenol was qualified as estimated in thirteen samples due to a low LCS recovery.
- Three SVOC compounds were qualified as estimated in thirteen samples due to high initial calibration %RSD values.
- Several SVOC compounds were qualified as estimated in four samples due to low internal standard area counts.
- Aroclor-1260 was qualified as estimated in one sample due to a low matrix spike recovery.

Please note that any results qualified (U) due to blank contamination may be then qualified (J) due to another action. Therefore, the results may be qualified (UJ) due to the culmination of the blank contaminations and actions from other exceedences of QC criteria.

Data Completeness

- The data is a complete Category B data package as defined under the requirements for the NYS Department of Environmental Conservation Analytical Services Protocol.

Volatile Organics Compounds (VOCs)

Holding Times

- All samples were analyzed within 14 days for preserved water samples.

Surrogate Spike Recoveries

- All samples exhibited acceptable surrogate recoveries.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- The MS/MSD sample exhibited acceptable %R and RPD values.

Laboratory Control Samples

- The LCS samples exhibited acceptable %R values.

Method Blank

- The method blanks were free of contamination.

Field Blank

- Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
FIELD BLANK	None- ND	-	-	-	-
TRIP BLANK	None- ND	-	-	-	-

GC/MS Tuning

- All criteria were met.

Initial Calibration

- The following table presents compounds that exceeded 20 percent relative standard deviation (%RSD) and/or average RRF values <0.05 in the initial calibration (ICAL). A low RRF indicates poor indicates poor instrument sensitivity for these compounds. Positive results for these compounds in the affected samples are considered estimated and qualified (J). Non-detect results for these compounds in the affected samples are rejected (R) and are unusable for project objectives. A high %RSD may indicate a potential high or low bias. All results for these compounds in affected samples are considered estimated and qualified (J/UJ).

ICAL Date	Compound	%RSD/RRF	Qualifier	Affected Samples
12/17/10	Bromomethane	28.9%	J/UJ	2-15
	Methylene chloride	25.4%	J/UJ	
	Carbon disulfide	21.8%	J/UJ	
	Hexachlorobutadiene	23.4%	J/UJ	3-15

Continuing Calibration

- The continuing calibrations exhibited acceptable %D and RRF values.

Compound Quantitation

- All criteria were met.

Internal Standard (IS) Area Performance

- All internal standards met response and retention time (RT) criteria.

Field Duplicate Sample Precision

- Field duplicate results are summarized below.

VOC				
Compound	HP-407-U ug/L	BLIND DUPLICATE ug/L	RPD	Qualifier
Benzene	2	2	0%	None
Chlorobenzene	4	4	0%	None
Isopropyl benzene	1	1	0%	None

Semivolatile Organics Compounds (SVOCs)

Holding Times

- All samples were extracted within 7 days for water samples and analyzed within 40 days.

Surrogate Spike Recoveries

- The following table presents surrogate percent recoveries (%R) outside the QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J).

Sample ID	Surrogate	%R	Qualifier
4	S6=2,4,6-Tribromophenol	110%	None for one out per fraction
5	S6=2,4,6-Tribromophenol	104%	
6	S6=2,4,6-Tribromophenol	109%	

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- The following table presents MS/MSD samples that exhibited percent recoveries (%R) outside the QC limits and/or relative percent differences (RPD) above QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J). Results are valid and usable, however possibly biased.

MS/MSD Sample ID	Compound	MS %R/MSD %R/ RPD	Qualifier
9	Naphthalene	OK/OK/43	None for RPD alone
	2-Methylnaphthalene	OK/OK/30	None for RPD alone
	Acenaphthylene	OK/113%/40	None- ND
	Acenaphthene	OK/110%/38	
	Fluorene	OK/119%/42	
	Phenanthrene	OK/116%/34	
	Anthracene	OK/123%/44	
	Fluoranthene	OK/124%/40	
	Pyrene	OK/128%/36	
	Benzo(a)anthracene	OK/OK/36	None for RPD alone
	3,3'-Dichlorobenzidine	135%/OK/OK	None- ND
	Benzo(b)fluoranthene	OK/139%/OK	
	Benzo(k)fluoranthene	OK/146%/OK	
	Benzo(a)pyrene	OK/147%/OK	
	Dibenzo(a,h,)anthracene	OK/156%/OK	
	Indeno(1,2,3-cd)pyrene	112%/155%/OK	
	Benzo(g,h,i)perylene	111%/153%/OK	

Laboratory Control Samples

- The following table presents LCS percent recoveries (%R) outside the QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J). Results are valid and usable, however possibly biased.

LCS ID	Compound	%R	Qualifier	Affected Samples
12/21/10	2,4-Dimethylphenol	24%	J/UJ	1, 3-14

Method Blank

- The method blanks were free of contamination.

Field Blank

- The following table presents compounds detected in the field blanks. Concentrations of common laboratory contaminants in associated samples less than ten (10) times the concentration in the associated field blank are considered to be attributable to laboratory contamination and have been negated and qualified (U). Results are valid and useable as non-detects.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
FIELD BLANK	None- ND	-	-	-	-

GC/MS Tuning

- All criteria were met.

Initial Calibration

- The following table presents compounds that exceeded 20 percent relative standard deviation (%RSD) and/or average RRF values <0.05 in the initial calibration (ICAL). A low RRF indicates poor indicates poor instrument sensitivity for these compounds. Positive results for these compounds in the affected samples are considered estimated and qualified (J). Non-detect results for these compounds in the affected samples are rejected (R) and are unusable for project objectives. A high %RSD may indicate a potential high or low bias. All results for these compounds in affected samples are considered estimated and qualified (J/UJ).

ICAL Date	Compound	%RSD/RRF	Qualifier	Affected Samples
12/15/10	Hexachlorocyclopentadiene	29.0%	J/UJ	1, 3-14
	4-Naphthalene	23.1%	J/UJ	
	Pentachlorophenol	20.6%	J/UJ	

Continuing Calibration

- The following table presents compounds that exceeded 20 percent deviation (%D) and/or RRF values <0.05 in the continuing calibration (CCAL). A low RRF indicates poor instrument sensitivity for these compounds. Positive results for these compounds in the affected samples are considered estimated and qualified (J). Non-detect results for these compounds in the affected samples are rejected (R) and are unusable for project objectives. A high %D may indicate a potential high or low bias. All results for these compounds in affected samples are considered estimated and qualified (J/UJ).

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
12/22/10	Hexachlorocyclopentadiene	24.0%	None	See ICAL

Compound Quantitation

- All criteria were met.

Internal Standard (IS) Area Performance

- The following table presents samples that exceeded the -50%/+100% area criteria for internal standard areas. Non-detected results for the associated compounds are considered estimated and qualified (UJ). Positive results for the associated compounds are considered estimated and qualified (J). Non-detected compounds that exceed the lower limit by -25% area criteria are considered rejected (R) and unusable for project objectives.

Sample ID	Internal Standard	Area Count	Qualifier
7	IS5=Chrysene-d12	Low	J/UJ- All associated compounds
	IS6=Perylene-d12	Low	
10	IS4=Phenanthrene-d10	Low	
	IS5=Chrysene-d12	Low	
	IS6=Perylene-d12	Low	
11	IS1=1,4-Dichlorobenzene-d4	Low	
	IS3=Acenaphthene-d10	Low	
	IS4=Phenanthrene-d10	Low	
	IS6=Perylene-d12	Low	
12	IS1=1,4-Dichlorobenzene-d4	Low	
	IS3=Acenaphthene-d10	Low	
	IS4=Phenanthrene-d10	Low	
	IS6=Perylene-d12	Low	

Field Duplicate Sample Precision

- Field duplicate results are summarized below.

SVOC				
Compound	HP-407-U ug/L	BLIND DUPLICATE ug/L	RPD	Qualifier
Di-n-butyl phthalate	ND	1.6	NC	None
Bis(2-ethylhexyl)phthalate	1.8	1.6	12%	None

Pesticides/Polychlorinated Biphenyls (Pest/PCB)

Holding Times

- All samples were extracted within 7 days for water samples and analyzed within 40 days.

Surrogate Spike Recoveries

- The following table presents surrogate percent recoveries (%R) outside the QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J).

Sample ID	Surrogate	%R	Qualifier
3	DCB1	177%	None- ND
8	TCX1	170%	None- ND*
	TCX2	182%	
	DCB1	168%	
	DCB2	181%	
9	TCX1	173%	
	TCX2	177%	
	DCB1	180%	
	DCB2	188%	

* - Laboratory inadvertently double-spiked pesticide samples with surrogate compounds

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- The following table presents MS/MSD samples that exhibited percent recoveries (%R) outside the QC limits and/or relative percent differences (RPD) above QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J). Results are valid and usable, however possibly biased.

MS/MSD Sample ID	Compound	MS %R/MSD %R/ RPD	Qualifier
9	Aroclor-1260	47%/OK/OK	J/UJ

Laboratory Control Samples

- The LCS sample exhibited acceptable recoveries.

Method Blank

- The method blanks were free of contamination.

Initial Calibration

- The initial calibrations exhibited acceptable %RSD values.

Continuing Calibration

- The continuing calibrations exhibited acceptable %D values.

Compound Quantitation

- All criteria were met.

Field Blank

- Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
FIELD BLANK	None-ND	-	-	-	-

Field Duplicate Sample Precision

- Field duplicate results are summarized below.

Pesticides/PCBs				
Compound	HP-407-U ug/L	BLIND DUPLICATE ug/L	RPD	Qualifier
None	ND	ND	-	-

GC Column Difference Results

- All criteria were met.

Metals

Holding Times

- All samples were prepared and analyzed within 14 days for cyanide, 28 days for mercury, and 180 days for all other metals.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- The MS/MSD sample exhibited acceptable percent recoveries (%R) and/or relative percent differences (RPD).

Laboratory Control Samples

- The LCS sample exhibited acceptable recoveries.

Method Blank

- The method blanks were free of contamination.

Field Blank

- The following table presents compounds detected in the field blanks. Concentrations of contaminants in associated samples less than five (5) times the concentration in the associated field blank are considered to be attributable to laboratory contamination and have been negated and qualified (U). Results are valid and useable as non-detects.

Blank ID	Compound	Conc. mg/L	Action Level mg/L	Qualifier	Affected Samples
FIELD BLANK	Iron	0.02	0.10	None	All > 5X

Initial Calibration Verification

- All initial calibration criteria were met.

Continuing Calibration Verification

- All continuing calibration criteria were met.

Compound Quantitation

- All criteria were met.

ICP Serial Dilution

- An ICP serial dilution sample was not analyzed.

Field Duplicate Sample Precision

- Field duplicate results are summarized below.

Metals				
Compound	HP-407-U mg/L	BLIND DUPLICATE mg/L	RPD	Qualifier
Barium	0.99	0.94	5%	None
Calcium	97	98	1%	None
Iron	1.4	1.4	0%	None
Magnesium	130	120	8%	None
Manganese	0.37	0.38	3%	None
Potassium	85	84	1%	None
Sodium	400	380	5%	None
Boron	2.7	2.6	4%	None

Package Summary:

Please contact the undersigned at (757) 564-0090 if you have any questions or need further information.

Signed: Nancy Weaver Dated: 2/21/11

Nancy Weaver
Senior Chemist

Data Qualifiers

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ = The analyte was not detected above the sample reporting limit; and the reporting limit is approximate.

U = The analyte was analyzed for, but was not detected above the sample reporting limit.

R = The sample results is rejected due to serious deficiencies. The presence or absence of the analyte cannot be verified.

Groundwater Monitoring Laboratory Analytical Data Reports

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.01 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/14/10
TIME COL'D:0930
MATRIX:Water SAMPLE: HP-101-S

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		121710	1	EPA8260
Chloromethane	ug/L	< 1		121710	1	EPA8260
Vinyl Chloride	ug/L	< 1		121710	1	EPA8260
Bromomethane	ug/L	< 1 UJ		121710	1	EPA8260
Chloroethane	ug/L	< 1		121710	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		121710	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		121710	1	EPA8260
Methylene Chloride	ug/L	< 1 UJ		121710	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		121710	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		121710	1	EPA8260
2,2-Dichloropropane	ug/L	< 1		121710	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		121710	1	EPA8260
Bromochloromethane	ug/L	< 1		121710	1	EPA8260
Chloroform	ug/L	< 1		121710	1	EPA8260
111 Trichloroethane	ug/L	< 1		121710	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		121710	1	EPA8260
1,1-Dichloropropene	ug/L	< 1		121710	1	EPA8260
Benzene	ug/L	< 1		121710	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		121710	1	EPA8260
Trichloroethene	ug/L	< 1		121710	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		121710	1	EPA8260
Dibromomethane	ug/L	< 1		121710	1	EPA8260
Bromodichloromethane	ug/L	< 1		121710	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		121710	1	EPA8260
Toluene	ug/L	< 1		121710	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

clw 2/17/11

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.01 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/14/10
TIME COL'D:0930
MATRIX:Water SAMPLE: HP-101-S

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/L	< 1		121710	1	EPA8260
112 Trichloroethane	ug/L	< 1		121710	1	EPA8260
Tetrachloroethene	ug/L	< 1		121710	1	EPA8260
1,3-Dichloropropane	ug/L	< 1		121710	1	EPA8260
Chlorodibromomethane	ug/L	< 1		121710	1	EPA8260
1,2 Dibromoethane	ug/L	< 1		121710	1	EPA8260
Chlorobenzene	ug/L	< 1		121710	1	EPA8260
Ethyl Benzene	ug/L	< 1		121710	1	EPA8260
1112Tetrachloroethane	ug/L	< 1		121710	1	EPA8260
m + p Xylene	ug/L	< 2		121710	2	EPA8260
o Xylene	ug/L	< 1		121710	1	EPA8260
Styrene	ug/L	< 1		121710	1	EPA8260
Bromoform	ug/L	< 1		121710	1	EPA8260
Isopropylbenzene	ug/L	< 1		121710	1	EPA8260
Bromobenzene	ug/L	< 1		121710	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		121710	1	EPA8260
123-Trichloropropane	ug/L	< 1		121710	1	EPA8260
n-Propylbenzene	ug/L	< 1		121710	1	EPA8260
2-Chlorotoluene	ug/L	< 1		121710	1	EPA8260
135-Trimethylbenzene	ug/L	< 1		121710	1	EPA8260
4-Chlorotoluene	ug/L	< 1		121710	1	EPA8260
tert-Butylbenzene	ug/L	< 1		121710	1	EPA8260
124-Trimethylbenzene	ug/L	< 1		121710	1	EPA8260
sec-Butylbenzene	ug/L	< 1		121710	1	EPA8260
p-Isopropyltoluene	ug/L	< 1		121710	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

NW
2/17/11

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.01 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/14/10
TIME COL'D:0930
MATRIX:Water SAMPLE: HP-101-S

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/L	< 1		121710	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		121710	1	EPA8260
n-Butylbenzene	ug/L	< 1		121710	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		121710	1	EPA8260
Dibromochloropropane	ug/L	< 1		121710	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		121710	1	EPA8260
Hexachlorobutadiene	ug/L	< 1	UJ	121710	1	EPA8260
Naphthalene(v)	ug/L	< 1		121710	1	EPA8260
123-Trichlorobenzene	ug/L	< 1		121710	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		121710	1	EPA8260
p-Ethyltoluene	ug/L	< 1		121710	1	EPA8260
Freon 113	ug/L	< 1		121710	1	EPA8260
1245 Tetramethylbenz	ug/L	< 1		121710	1	EPA8260
Acetone	ug/L	< 10		121710	10	EPA8260
Methyl Ethyl Ketone	ug/L	< 10		121710	10	EPA8260
Methylisobutylketone	ug/L	< 10		121710	10	EPA8260
Chlorodifluoromethane	ug/L	< 1		121710	1	EPA8260
p Diethylbenzene	ug/L	< 1		121710	1	EPA8260
Acrylonitrile	ug/L	< 5		121710	5	EPA8260
Carbon disulfide	ug/L	< 1	UJ	121710	1	EPA8260
2-Hexanone	ug/L	< 10		121710	10	EPA8260
Vinyl Acetate	ug/L	< 10		121710	10	EPA8260
t-1,4-Dichloro-2-butene	ug/L	< 1		121710	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

NW
2/17/11

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.01 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/14/10
TIME COL'D:0930
MATRIX:Water SAMPLE: HP-101-S

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/L	< 1		122110	1	EPA8270
1,3 Dichlorobenzene(sv)	ug/L	< 1		122110	1	EPA8270
1,4 Dichlorobenzene(sv)	ug/L	< 1		122110	1	EPA8270
Carbazole	ug/L	< 1		122110	1	EPA8270
1,2 Dichlorobenzene(sv)	ug/L	< 1		122110	1	EPA8270
Bis(2-chloroisopropyl)ether	ug/L	< 1		122110	1	EPA8270
N-Nitrosodi-n-propylamine	ug/L	< 1		122110	1	EPA8270
Hexachloroethane	ug/L	< 1		122110	1	EPA8270
Nitrobenzene	ug/L	< 1		122110	1	EPA8270
Isophorone	ug/L	< 1		122110	1	EPA8270
Bis(2-chloroethoxy)methane	ug/L	< 1		122110	1	EPA8270
124-Trichlorobenzene (sv)	ug/L	< 1		122110	1	EPA8270
Naphthalene(sv)	ug/L	< 1		122110	1	EPA8270
4-Chloroaniline	ug/L	< 1		122110	1	EPA8270
Hexachlorobutadiene	ug/L	< 1		122110	1	EPA8270
2-Methylnaphthalene	ug/L	< 1		122110	1	EPA8270
Hexachlorocyclopentadiene	ug/L	< 10 UJ		122110	10	EPA8270
2-Chloronaphthalene	ug/L	< 1		122110	1	EPA8270
2-Nitroaniline	ug/L	< 1		122110	1	EPA8270
Dimethyl Phthalate	ug/L	< 1		122110	1	EPA8270
Acenaphthylene	ug/L	< 1		122110	1	EPA8270
2,6-Dinitrotoluene	ug/L	< 1		122110	1	EPA8270
3-Nitroaniline	ug/L	< 1		122110	1	EPA8270
Acenaphthene	ug/L	< 1		122110	1	EPA8270
Dibenzofuran	ug/L	< 1		122110	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

2/17/11

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.01 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/14/10
TIME COL'D:0930
MATRIX:Water SAMPLE: HP-101-S

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/L	< 1		122110	1	EPA8270
Diethyl Phthalate	ug/L	< 1		122110	1	EPA8270
4-Chlorophenyl phenyl ether	ug/L	< 1		122110	1	EPA8270
Fluorene	ug/L	< 1		122110	1	EPA8270
4-Nitroaniline	ug/L	< 1		122110	1	EPA8270
N-Nitrosodiphenylamine	ug/L	< 1		122110	1	EPA8270
4-Bromophenyl phenyl ether	ug/L	< 1		122110	1	EPA8270
Hexachlorobenzene	ug/L	< 1		122110	1	EPA8270
Phenanthrene	ug/L	< 1		122110	1	EPA8270
Anthracene	ug/L	< 1		122110	1	EPA8270
Di-n-Butyl Phthalate	ug/L	< 1		122110	1	EPA8270
Fluoranthene	ug/L	< 1		122110	1	EPA8270
Pyrene	ug/L	< 1		122110	1	EPA8270
BenzylButylPhthalate	ug/L	< 1		122110	1	EPA8270
3,3'-Dichlorobenzidine	ug/L	< 10		122110	10	EPA8270
Benzo(a)anthracene	ug/L	< 1		122110	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

2/17/11

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.01 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/14/10
TIME COL'D:0930
MATRIX:Water SAMPLE: HP-101-S

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/L	< 1		122110	1	EPA8270
Bis(2-ethylhexyl)phthalate	ug/L	< 1		122110	1	EPA8270
Di-n-octyl Phthalate	ug/L	< 1		122110	1	EPA8270
Benzo(b)fluoranthene	ug/L	< 1		122110	1	EPA8270
Benzo(k)fluoranthene	ug/L	< 1		122110	1	EPA8270
Benzo(a)pyrene	ug/L	< 1		122110	1	EPA8270
Indeno(1,2,3-cd)pyrene	ug/L	< 1		122110	1	EPA8270
Dibenzo(a,h)anthracene	ug/L	< 1		122110	1	EPA8270
Benzo(ghi)perylene	ug/L	< 1		122110	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

NW 2/17/11

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.01 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/14/10
TIME COL'D:0930
MATRIX:Water SAMPLE: HP-101-S

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/L	< 1		122110	1	EPA8270
2-Chlorophenol	ug/L	< 1		122110	1	EPA8270
2-Methylphenol (o-cresol)	ug/L	< 1		122110	1	EPA8270
4-Methylphenol (p-cresol)	ug/L	< 1		122110	1	EPA8270
2-Nitrophenol	ug/L	< 1		122110	1	EPA8270
2,4-Dimethylphenol	ug/L	< 1	UJ	122110	1	EPA8270
2,4-Dichlorophenol	ug/L	< 1		122110	1	EPA8270
4-Chloro-3-methylphenol	ug/L	< 1		122110	1	EPA8270
2,4,6-Trichlorophenol	ug/L	< 1		122110	1	EPA8270
2,4,5-Trichlorophenol	ug/L	< 1		122110	1	EPA8270
2,4-Dinitrophenol	ug/L	< 10		122110	10	EPA8270
4-Nitrophenol	ug/L	< 10	UJ	122110	10	EPA8270
2-Methyl-4,6-dinitrophenol	ug/L	< 10		122110	10	EPA8270
Pentachlorophenol (ms)	ug/L	< 10	UJ	122110	10	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

MW
2/17/11

DIRECTOR

rn = 32874 NYSDOH ID # 10320 Page 7 of 11

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.01 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/14/10
TIME COL'D:0930
MATRIX:Water SAMPLE: HP-101-S

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/L	< 0.05		121810	0.05	EPA608
Heptachlor	ug/L	< 0.05		121810	0.05	EPA608
Aldrin	ug/L	< 0.05		121810	0.05	EPA608
Heptachlor Epoxide	ug/L	< 0.05		121810	0.05	EPA608
p,p-DDE	ug/L	< 0.05		121810	0.05	EPA608
Dieldrin	ug/L	< 0.05		121810	0.05	EPA608
Endrin	ug/L	< 0.05		121810	0.05	EPA608
p,p-DDD	ug/L	< 0.05		121810	0.05	EPA608
p,p-DDT	ug/L	< 0.1		121810	0.1	EPA608
Chlordane	ug/L	< 0.2		121810	0.2	EPA608
Toxaphene	ug/L	< 1		121810	1	EPA608
Endrin Ketone	ug/L	< 0.1		121810	0.1	EPA608
a BHC	ug/L	< 0.05		121810	0.05	EPA608
b BHC	ug/L	< 0.05		121810	0.05	EPA608
d BHC	ug/L	< 0.05		121810	0.05	EPA608
Endosulfan 1	ug/L	< 0.1		121810	0.1	EPA608

cc:

LRL=Laboratory Reporting Limit

REMARKS:

RW 2/17/11 DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.01 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/14/10
TIME COL'D:0930
MATRIX:Water SAMPLE: HP-101-S

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Endosulfan 2	ug/L	< 0.1		121810	0.1	EPA608
Endosulfan Sulfate	ug/L	< 0.3		121810	0.3	EPA608
Methoxychlor	ug/L	< 0.1		121810	0.1	EPA608
Endrin Aldehyde	ug/L	< 0.3		121810	0.3	EPA608
Aroclor 1016	ug/L	< 0.065	*	122110	0.065	EPA608
Aroclor 1221	ug/L	< 0.065	*	122110	0.065	EPA608
Aroclor 1232	ug/L	< 0.065	*	122110	0.065	EPA608
Aroclor 1242	ug/L	< 0.065	*	122110	0.065	EPA608
Aroclor 1248	ug/L	< 0.065	*	122110	0.065	EPA608
Aroclor 1254	ug/L	< 0.065	*	122110	0.065	EPA608
Aroclor 1260	ug/L	< 0.065	*	122110	0.065	EPA608

cc:

LRL=Laboratory Reporting Limit

REMARKS: *Surrogate %recovery for sample was above QC limit (177% vs 134%).

2/7/11

DIRECTOR

rn = 32876 NYSDOH ID # 10320 Page 9 of 11

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777 • FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.01 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/14/10
TIME COL'D:0930
MATRIX:Water SAMPLE: HP-101-S

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/L	< 0.05		122110	0.05	EPA200.7
Antimony as Sb	mg/L	< 0.025		122110	0.025	EPA200.7
Arsenic as As	mg/L	< 0.025		122110	0.025	EPA200.7
Barium as Ba	mg/L	0.04		122110	0.025	EPA200.7
Beryllium as Be	mg/L	< 0.005		122110	0.005	EPA200.7
Cadmium as Cd	mg/L	< 0.025		122110	0.025	EPA200.7
Calcium as Ca	mg/L	44		122110	1	EPA200.7
Chromium as Cr	mg/L	< 0.025		122110	0.025	EPA200.7
Cobalt as Co	mg/L	< 0.025		122110	0.025	EPA200.7
Copper as Cu	mg/L	< 0.05		122110	0.05	EPA200.7
Iron as Fe	mg/L	0.98		122110	0.05	EPA200.7
Lead as Pb	mg/L	< 0.025		122110	0.025	EPA200.7
Magnesium as Mg	mg/L	110		122110	0.025	EPA200.7
Manganese as Mn	mg/L	< 0.05		122110	0.05	EPA200.7
Mercury as Hg	mg/L	< 0.001		122010	0.001	EPA245.2
Nickel as Ni	mg/L	< 0.05		122110	0.05	EPA200.7
Potassium as K	mg/L	93		122110	50	EPA200.7
Selenium as Se	mg/L	< 0.05		122110	0.05	EPA200.7
Silver as Ag	mg/L	< 0.025		122110	0.025	EPA200.7
Sodium as Na	mg/L	1100		122110	50	EPA200.7
Thallium as Tl	mg/L	< 0.025		122110	0.025	EPA200.7
Vanadium as V	mg/L	< 0.025		122110	0.025	EPA200.7
Zinc as Zn	mg/L	< 0.05		122110	0.05	EPA200.7
Boron as B	mg/L	1.0		122110	0.05	EPA200.7

cc:

LRL=Laboratory Reporting Limit

REMARKS:

MW
2/17/11 DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.02 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/14/10
TIME COL'D:1040
MATRIX:Water SAMPLE: HP-101-U

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		121710	1	EPA8260
Chloromethane	ug/L	< 1		121710	1	EPA8260
Vinyl Chloride	ug/L	< 1		121710	1	EPA8260
Bromomethane	ug/L	< 1	UJ	121710	1	EPA8260
Chloroethane	ug/L	< 1		121710	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		121710	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		121710	1	EPA8260
Methylene Chloride	ug/L	< 1	UJ	121710	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		121710	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		121710	1	EPA8260
2,2-Dichloropropane	ug/L	< 1		121710	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		121710	1	EPA8260
Bromochloromethane	ug/L	< 1		121710	1	EPA8260
Chloroform	ug/L	< 1		121710	1	EPA8260
111 Trichloroethane	ug/L	< 1		121710	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		121710	1	EPA8260
1,1-Dichloropropene	ug/L	< 1		121710	1	EPA8260
Benzene	ug/L	< 1		121710	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		121710	1	EPA8260
Trichloroethene	ug/L	< 1		121710	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		121710	1	EPA8260
Dibromomethane	ug/L	< 1		121710	1	EPA8260
Bromodichloromethane	ug/L	< 1		121710	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		121710	1	EPA8260
Toluene	ug/L	< 1		121710	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

2/17/11

DIRECTOR

rn = 32879 NYSDOH ID # 10320 Page 1 of 11

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.02 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/14/10
TIME COL'D:1040
MATRIX:Water SAMPLE: HP-101-U

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/L	< 1		121710	1	EPA8260
112 Trichloroethane	ug/L	< 1		121710	1	EPA8260
Tetrachloroethene	ug/L	< 1		121710	1	EPA8260
1,3-Dichloropropane	ug/L	< 1		121710	1	EPA8260
Chlorodibromomethane	ug/L	< 1		121710	1	EPA8260
1,2 Dibromoethane	ug/L	< 1		121710	1	EPA8260
Chlorobenzene	ug/L	8		121710	1	EPA8260
Ethyl Benzene	ug/L	< 1		121710	1	EPA8260
1112Tetrachloroethane	ug/L	< 1		121710	1	EPA8260
m + p Xylene	ug/L	< 2		121710	2	EPA8260
o Xylene	ug/L	< 1		121710	1	EPA8260
Styrene	ug/L	< 1		121710	1	EPA8260
Bromoform	ug/L	< 1		121710	1	EPA8260
Isopropylbenzene	ug/L	< 1		121710	1	EPA8260
Bromobenzene	ug/L	< 1		121710	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		121710	1	EPA8260
123-Trichloropropane	ug/L	< 1		121710	1	EPA8260
n-Propylbenzene	ug/L	< 1		121710	1	EPA8260
2-Chlorotoluene	ug/L	< 1		121710	1	EPA8260
135-Trimethylbenzene	ug/L	< 1		121710	1	EPA8260
4-Chlorotoluene	ug/L	< 1		121710	1	EPA8260
tert-Butylbenzene	ug/L	< 1		121710	1	EPA8260
124-Trimethylbenzene	ug/L	< 1		121710	1	EPA8260
sec-Butylbenzene	ug/L	< 1		121710	1	EPA8260
p-Isopropyltoluene	ug/L	< 1		121710	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

2/17/11

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.02 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/14/10
TIME COL'D:1040
MATRIX:Water SAMPLE: HP-101-U

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/L	< 1		121710	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	3		121710	1	EPA8260
n-Butylbenzene	ug/L	< 1		121710	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		121710	1	EPA8260
Dibromochloropropane	ug/L	< 1		121710	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		121710	1	EPA8260
Hexachlorobutadiene	ug/L	< 1	UJ	121710	1	EPA8260
Naphthalene(v)	ug/L	< 1		121710	1	EPA8260
123-Trichlorobenzene	ug/L	< 1		121710	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		121710	1	EPA8260
p-Ethyltoluene	ug/L	< 1		121710	1	EPA8260
Freon 113	ug/L	< 1		121710	1	EPA8260
1245 Tetramethylbenz	ug/L	< 1		121710	1	EPA8260
Acetone	ug/L	< 10		121710	10	EPA8260
Methyl Ethyl Ketone	ug/L	< 10		121710	10	EPA8260
Methylisobutylketone	ug/L	< 10		121710	10	EPA8260
Chlorodifluoromethane	ug/L	< 1		121710	1	EPA8260
p Diethylbenzene	ug/L	< 1		121710	1	EPA8260
Acrylonitrile	ug/L	< 5		121710	5	EPA8260
Carbon disulfide	ug/L	< 1	UJ	121710	1	EPA8260
2-Hexanone	ug/L	< 10		121710	10	EPA8260
Vinyl Acetate	ug/L	< 10		121710	10	EPA8260
t-1,4-Dichloro-2-butene	ug/L	< 1		121710	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

QW
2/17/11

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.02 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/14/10
TIME COL'D:1040
MATRIX:Water SAMPLE: HP-101-U

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/L	< 1		122110	1	EPA8270
1,3 Dichlorobenzene(sv)	ug/L	< 1		122110	1	EPA8270
1,4 Dichlorobenzene(sv)	ug/L	1.5		122110	1	EPA8270
Carbazole	ug/L	< 1		122110	1	EPA8270
1,2 Dichlorobenzene(sv)	ug/L	< 1		122110	1	EPA8270
Bis(2-chloroisopropyl)ether	ug/L	< 1		122110	1	EPA8270
N-Nitrosodi-n-propylamine	ug/L	< 1		122110	1	EPA8270
Hexachloroethane	ug/L	< 1		122110	1	EPA8270
Nitrobenzene	ug/L	< 1		122110	1	EPA8270
Isophorone	ug/L	< 1		122110	1	EPA8270
Bis(2-chloroethoxy)methane	ug/L	< 1		122110	1	EPA8270
124-Trichlorobenzene (sv)	ug/L	< 1		122110	1	EPA8270
Naphthalene(sv)	ug/L	< 1		122110	1	EPA8270
4-Chloroaniline	ug/L	< 1		122110	1	EPA8270
Hexachlorobutadiene	ug/L	< 1		122110	1	EPA8270
2-Methylnaphthalene	ug/L	< 1		122110	1	EPA8270
Hexachlorocyclopentadiene	ug/L	< 10 uJ		122110	10	EPA8270
2-Chloronaphthalene	ug/L	< 1		122110	1	EPA8270
2-Nitroaniline	ug/L	< 1		122110	1	EPA8270
Dimethyl Phthalate	ug/L	< 1		122110	1	EPA8270
Acenaphthylene	ug/L	< 1		122110	1	EPA8270
2,6-Dinitrotoluene	ug/L	< 1		122110	1	EPA8270
3-Nitroaniline	ug/L	< 1		122110	1	EPA8270
Acenaphthene	ug/L	< 1		122110	1	EPA8270
Dibenzofuran	ug/L	< 1		122110	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

2/17/11

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.02 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/14/10
TIME COL'D:1040
MATRIX:Water SAMPLE: HP-101-U

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/L	< 1		122110	1	EPA8270
Diethyl Phthalate	ug/L	< 1		122110	1	EPA8270
4-Chlorophenyl phenyl ether	ug/L	< 1		122110	1	EPA8270
Fluorene	ug/L	< 1		122110	1	EPA8270
4-Nitroaniline	ug/L	< 1		122110	1	EPA8270
N-Nitrosodiphenylamine	ug/L	< 1		122110	1	EPA8270
4-Bromophenyl phenyl ether	ug/L	< 1		122110	1	EPA8270
Hexachlorobenzene	ug/L	< 1		122110	1	EPA8270
Phenanthrene	ug/L	< 1		122110	1	EPA8270
Anthracene	ug/L	< 1		122110	1	EPA8270
Di-n-Butyl Phthalate	ug/L	< 1		122110	1	EPA8270
Fluoranthene	ug/L	< 1		122110	1	EPA8270
Pyrene	ug/L	< 1		122110	1	EPA8270
BenzylButylPhthalate	ug/L	< 1		122110	1	EPA8270
3,3'-Dichlorobenzidine	ug/L	< 10		122110	10	EPA8270
Benzo(a)anthracene	ug/L	< 1		122110	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

2/17/11

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.02 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/14/10
TIME COL'D:1040
MATRIX:Water SAMPLE: HP-101-U

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/L	< 1		122110	1	EPA8270
Bis(2-ethylhexyl)phthalate	ug/L	5.0	1	122110	1	EPA8270
Di-n-octyl Phthalate	ug/L	< 1		122110	1	EPA8270
Benzo(b)fluoranthene	ug/L	< 1		122110	1	EPA8270
Benzo(k)fluoranthene	ug/L	< 1		122110	1	EPA8270
Benzo(a)pyrene	ug/L	< 1		122110	1	EPA8270
Indeno(1,2,3-cd)pyrene	ug/L	< 1		122110	1	EPA8270
Dibenzo(a,h)anthracene	ug/L	< 1		122110	1	EPA8270
Benzo(ghi)perylene	ug/L	< 1		122110	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS: 1-No phthalates detected in method blank.

2/17/11 DIRECTOR

rn = 32884 NYSDOH ID # 10320 Page 6 of 11

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.02 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/14/10
TIME COL'D:1040
MATRIX:Water SAMPLE: HP-101-U

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/L	< 1		122110	1	EPA8270
2-Chlorophenol	ug/L	< 1		122110	1	EPA8270
2-Methylphenol (o-cresol)	ug/L	< 1		122110	1	EPA8270
4-Methylphenol (p-cresol)	ug/L	< 1		122110	1	EPA8270
2-Nitrophenol	ug/L	< 1		122110	1	EPA8270
2,4-Dimethylphenol	ug/L	< 1	UJ	122110	1	EPA8270
2,4-Dichlorophenol	ug/L	< 1		122110	1	EPA8270
4-Chloro-3-methylphenol	ug/L	< 1		122110	1	EPA8270
2,4,6-Trichlorophenol	ug/L	< 1		122110	1	EPA8270
2,4,5-Trichlorophenol	ug/L	< 1		122110	1	EPA8270
2,4-Dinitrophenol	ug/L	< 10		122110	10	EPA8270
4-Nitrophenol	ug/L	< 10	UJ	122110	10	EPA8270
2-Methyl-4,6-dinitrophenol	ug/L	< 10		122110	10	EPA8270
Pentachlorophenol (ms)	ug/L	< 10	UJ	122110	10	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

NW
2/17/11

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.02 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/14/10
TIME COL'D:1040
MATRIX:Water SAMPLE: HP-101-U

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/L	< 0.05		121810	0.05	EPA608
Heptachlor	ug/L	< 0.05		121810	0.05	EPA608
Aldrin	ug/L	< 0.05		121810	0.05	EPA608
Heptachlor Epoxide	ug/L	< 0.05		121810	0.05	EPA608
p,p-DDE	ug/L	< 0.05		121810	0.05	EPA608
Dieldrin	ug/L	< 0.05		121810	0.05	EPA608
Endrin	ug/L	< 0.05		121810	0.05	EPA608
p,p-DDD	ug/L	< 0.05		121810	0.05	EPA608
p,p-DDT	ug/L	< 0.1		121810	0.1	EPA608
Chlordane	ug/L	< 0.2		121810	0.2	EPA608
Toxaphene	ug/L	< 1		121810	1	EPA608
Endrin Ketone	ug/L	< 0.1		121810	0.1	EPA608
a BHC	ug/L	< 0.05		121810	0.05	EPA608
b BHC	ug/L	< 0.05		121810	0.05	EPA608
d BHC	ug/L	< 0.05		121810	0.05	EPA608
Endosulfan 1	ug/L	< 0.1		121810	0.1	EPA608

cc:

LRL=Laboratory Reporting Limit

REMARKS:

2/17/11

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.02 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/14/10
TIME COL'D:1040
MATRIX:Water SAMPLE: HP-101-U

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Endosulfan 2	ug/L	< 0.1		121810	0.1	EPA608
Endosulfan Sulfate	ug/L	< 0.3		121810	0.3	EPA608
Methoxychlor	ug/L	< 0.1		121810	0.1	EPA608
Endrin Aldehyde	ug/L	< 0.3		121810	0.3	EPA608
Aroclor 1016	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1221	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1232	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1242	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1248	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1254	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1260	ug/L	< 0.065		122110	0.065	EPA608

cc:

LRL=Laboratory Reporting Limit

REMARKS:

2/17/11

DIRECTOR

rn = 32887 NYSDOH ID # 10320 Page 9 of 11

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.02 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/14/10
TIME COL'D:1040
MATRIX:Water SAMPLE: HP-101-U

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/L	< 0.05		122110	0.05	EPA200.7
Antimony as Sb	mg/L	< 0.025		122110	0.025	EPA200.7
Arsenic as As	mg/L	< 0.025		122110	0.025	EPA200.7
Barium as Ba	mg/L	0.1		122110	0.025	EPA200.7
Beryllium as Be	mg/L	< 0.005		122110	0.005	EPA200.7
Cadmium as Cd	mg/L	< 0.025		122110	0.025	EPA200.7
Calcium as Ca	mg/L	140		122110	1	EPA200.7
Chromium as Cr	mg/L	< 0.025		122110	0.025	EPA200.7
Cobalt as Co	mg/L	< 0.025		122110	0.025	EPA200.7
Copper as Cu	mg/L	< 0.05		122110	0.05	EPA200.7
Iron as Fe	mg/L	23		122110	0.05	EPA200.7
Lead as Pb	mg/L	< 0.025		122110	0.025	EPA200.7
Magnesium as Mg	mg/L	25		122110	0.025	EPA200.7
Manganese as Mn	mg/L	0.41		122110	0.05	EPA200.7
Mercury as Hg	mg/L	< 0.001		122010	0.001	EPA245.2
Nickel as Ni	mg/L	< 0.05		122110	0.05	EPA200.7
Potassium as K	mg/L	26		122110	5	EPA200.7
Selenium as Se	mg/L	< 0.05		122110	0.05	EPA200.7
Silver as Ag	mg/L	< 0.025		122110	0.025	EPA200.7
Sodium as Na	mg/L	560		122110	5	EPA200.7
Thallium as Tl	mg/L	< 0.025		122110	0.025	EPA200.7
Vanadium as V	mg/L	< 0.025		122110	0.025	EPA200.7
Zinc as Zn	mg/L	< 0.05		122110	0.05	EPA200.7
Boron as B	mg/L	0.29		122110	0.05	EPA200.7

cc:

LRL=Laboratory Reporting Limit

REMARKS:

2/17/11

DIRECTOR

rn = 32888 NYSDOH ID # 10320 Page 10 of 11

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.03 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/14/10
TIME COL'D:1155
MATRIX:Water SAMPLE: HP-101-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		121710	1	EPA8260
Chloromethane	ug/L	< 1		121710	1	EPA8260
Vinyl Chloride	ug/L	< 1		121710	1	EPA8260
Bromomethane	ug/L	< 1 UJ		121710	1	EPA8260
Chloroethane	ug/L	< 1		121710	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		121710	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		121710	1	EPA8260
Methylene Chloride	ug/L	< 1 UJ		121710	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		121710	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		121710	1	EPA8260
2,2-Dichloropropane	ug/L	< 1		121710	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		121710	1	EPA8260
Bromochloromethane	ug/L	< 1		121710	1	EPA8260
Chloroform	ug/L	< 1		121710	1	EPA8260
111 Trichloroethane	ug/L	< 1		121710	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		121710	1	EPA8260
1,1-Dichloropropene	ug/L	< 1		121710	1	EPA8260
Benzene	ug/L	< 1		121710	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		121710	1	EPA8260
Trichloroethene	ug/L	< 1		121710	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		121710	1	EPA8260
Dibromomethane	ug/L	< 1		121710	1	EPA8260
Bromodichloromethane	ug/L	< 1		121710	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		121710	1	EPA8260
Toluene	ug/L	< 1		121710	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

LW
2/17/11

DIRECTOR

rn = 32890 NYSDOH ID # 10320 Page 1 of 11

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.03 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/14/10
TIME COL'D:1155
MATRIX:Water SAMPLE: HP-101-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/L	< 1		121710	1	EPA8260
112 Trichloroethane	ug/L	< 1		121710	1	EPA8260
Tetrachloroethene	ug/L	< 1		121710	1	EPA8260
1,3-Dichloropropane	ug/L	< 1		121710	1	EPA8260
Chlorodibromomethane	ug/L	< 1		121710	1	EPA8260
1,2 Dibromoethane	ug/L	< 1		121710	1	EPA8260
Chlorobenzene	ug/L	< 1		121710	1	EPA8260
Ethyl Benzene	ug/L	< 1		121710	1	EPA8260
1112Tetrachloroethane	ug/L	< 1		121710	1	EPA8260
m + p Xylene	ug/L	< 2		121710	2	EPA8260
o Xylene	ug/L	< 1		121710	1	EPA8260
Styrene	ug/L	< 1		121710	1	EPA8260
Bromoform	ug/L	< 1		121710	1	EPA8260
Isopropylbenzene	ug/L	< 1		121710	1	EPA8260
Bromobenzene	ug/L	< 1		121710	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		121710	1	EPA8260
123-Trichloropropane	ug/L	< 1		121710	1	EPA8260
n-Propylbenzene	ug/L	< 1		121710	1	EPA8260
2-Chlorotoluene	ug/L	< 1		121710	1	EPA8260
135-Trimethylbenzene	ug/L	< 1		121710	1	EPA8260
4-Chlorotoluene	ug/L	< 1		121710	1	EPA8260
tert-Butylbenzene	ug/L	< 1		121710	1	EPA8260
124-Trimethylbenzene	ug/L	< 1		121710	1	EPA8260
sec-Butylbenzene	ug/L	< 1		121710	1	EPA8260
p-Isopropyltoluene	ug/L	< 1		121710	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

MW 2/17/11 DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.03 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/14/10
TIME COL'D:1155
MATRIX:Water SAMPLE: HP-101-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/L	< 1		121710	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		121710	1	EPA8260
n-Butylbenzene	ug/L	< 1		121710	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		121710	1	EPA8260
Dibromochloropropane	ug/L	< 1		121710	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		121710	1	EPA8260
Hexachlorobutadiene	ug/L	< 1	UJ	121710	1	EPA8260
Naphthalene(v)	ug/L	< 1		121710	1	EPA8260
123-Trichlorobenzene	ug/L	< 1		121710	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		121710	1	EPA8260
p-Ethyltoluene	ug/L	< 1		121710	1	EPA8260
Freon 113	ug/L	< 1		121710	1	EPA8260
1245 Tetramethylbenz	ug/L	< 1		121710	1	EPA8260
Acetone	ug/L	< 10		121710	10	EPA8260
Methyl Ethyl Ketone	ug/L	< 10		121710	10	EPA8260
Methylisobutylketone	ug/L	< 10		121710	10	EPA8260
Chlorodifluoromethane	ug/L	< 1		121710	1	EPA8260
p Diethylbenzene	ug/L	< 1		121710	1	EPA8260
Acrylonitrile	ug/L	< 5		121710	5	EPA8260
Carbon disulfide	ug/L	< 1	UJ	121710	1	EPA8260
2-Hexanone	ug/L	< 10		121710	10	EPA8260
Vinyl Acetate	ug/L	< 10		121710	10	EPA8260
t-1,4-Dichloro-2-butene	ug/L	< 1		121710	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

2/17/11 DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.03 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/14/10
TIME COL'D:1155
MATRIX:Water SAMPLE: HP-101-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/L	< 1		122110	1	EPA8270
1,3 Dichlorobenzene(sv)	ug/L	< 1		122110	1	EPA8270
1,4 Dichlorobenzene(sv)	ug/L	< 1		122110	1	EPA8270
Carbazole	ug/L	< 1		122110	1	EPA8270
1,2 Dichlorobenzene(sv)	ug/L	< 1		122110	1	EPA8270
Bis(2-chloroisopropyl)ether	ug/L	< 1		122110	1	EPA8270
N-Nitrosodi-n-propylamine	ug/L	< 1		122110	1	EPA8270
Hexachloroethane	ug/L	< 1		122110	1	EPA8270
Nitrobenzene	ug/L	< 1		122110	1	EPA8270
Isophorone	ug/L	< 1		122110	1	EPA8270
Bis(2-chloroethoxy)methane	ug/L	< 1		122110	1	EPA8270
124-Trichlorobenzene (sv)	ug/L	< 1		122110	1	EPA8270
Naphthalene(sv)	ug/L	< 1		122110	1	EPA8270
4-Chloroaniline	ug/L	< 1		122110	1	EPA8270
Hexachlorobutadiene	ug/L	< 1		122110	1	EPA8270
2-Methylnaphthalene	ug/L	< 1		122110	1	EPA8270
Hexachlorocyclopentadiene	ug/L	< 10 UJ		122110	10	EPA8270
2-Chloronaphthalene	ug/L	< 1		122110	1	EPA8270
2-Nitroaniline	ug/L	< 1		122110	1	EPA8270
Dimethyl Phthalate	ug/L	< 1		122110	1	EPA8270
Acenaphthylene	ug/L	< 1		122110	1	EPA8270
2,6-Dinitrotoluene	ug/L	< 1		122110	1	EPA8270
3-Nitroaniline	ug/L	< 1		122110	1	EPA8270
Acenaphthene	ug/L	< 1		122110	1	EPA8270
Dibenzofuran	ug/L	< 1		122110	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

AW
2/17/11

DIRECTOR

rn = 32893 NYSDOH ID # 10320 Page 4 of 11

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.03 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/14/10
TIME COL'D:1155
MATRIX:Water SAMPLE: HP-101-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/L	< 1		122110	1	EPA8270
Diethyl Phthalate	ug/L	< 1		122110	1	EPA8270
4-Chlorophenyl phenyl ether	ug/L	< 1		122110	1	EPA8270
Fluorene	ug/L	< 1		122110	1	EPA8270
4-Nitroaniline	ug/L	< 1		122110	1	EPA8270
N-Nitrosodiphenylamine	ug/L	< 1		122110	1	EPA8270
4-Bromophenyl phenyl ether	ug/L	< 1		122110	1	EPA8270
Hexachlorobenzene	ug/L	< 1		122110	1	EPA8270
Phenanthrene	ug/L	< 1		122110	1	EPA8270
Anthracene	ug/L	< 1		122110	1	EPA8270
Di-n-Butyl Phthalate	ug/L	< 1		122110	1	EPA8270
Fluoranthene	ug/L	< 1		122110	1	EPA8270
Pyrene	ug/L	< 1		122110	1	EPA8270
BenzylButylPhthalate	ug/L	< 1		122110	1	EPA8270
3,3'-Dichlorobenzidine	ug/L	< 10		122110	10	EPA8270
Benzo(a)anthracene	ug/L	< 1		122110	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

MW 2/17/11

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.03 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/14/10
TIME COL'D:1155
MATRIX:Water SAMPLE: HP-101-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/L	< 1		122110	1	EPA8270
Bis(2-ethylhexyl)phthalate	ug/L	4.9	1	122110	1	EPA8270
Di-n-octyl Phthalate	ug/L	< 1		122110	1	EPA8270
Benzo(b)fluoranthene	ug/L	< 1		122110	1	EPA8270
Benzo(k)fluoranthene	ug/L	< 1		122110	1	EPA8270
Benzo(a)pyrene	ug/L	< 1		122110	1	EPA8270
Indeno(1,2,3-cd)pyrene	ug/L	< 1		122110	1	EPA8270
Dibenzo(a,h)anthracene	ug/L	< 1		122110	1	EPA8270
Benzo(ghi)perylene	ug/L	< 1		122110	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS: 1-No phthalates detected in method blank.

lw 2/7/11 DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.03 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/14/10
TIME COL'D:1155
MATRIX:Water SAMPLE: HP-101-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/L	< 1		122110	1	EPA8270
2-Chlorophenol	ug/L	< 1		122110	1	EPA8270
2-Methylphenol (o-cresol)	ug/L	< 1		122110	1	EPA8270
4-Methylphenol (p-cresol)	ug/L	< 1		122110	1	EPA8270
2-Nitrophenol	ug/L	< 1		122110	1	EPA8270
2,4-Dimethylphenol	ug/L	< 1	UJ	122110	1	EPA8270
2,4-Dichlorophenol	ug/L	< 1		122110	1	EPA8270
4-Chloro-3-methylphenol	ug/L	< 1		122110	1	EPA8270
2,4,6-Trichlorophenol	ug/L	< 1		122110	1	EPA8270
2,4,5-Trichlorophenol	ug/L	< 1		122110	1	EPA8270
2,4-Dinitrophenol	ug/L	< 10		122110	10	EPA8270
4-Nitrophenol	ug/L	< 10	UJ	122110	10	EPA8270
2-Methyl-4,6-dinitrophenol	ug/L	< 10		122110	10	EPA8270
Pentachlorophenol (ms)	ug/L	< 10	UJ	122110	10	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

NW
2/7/11

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.03 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/14/10
TIME COL'D:1155
MATRIX:Water SAMPLE: HP-101-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/L	< 0.05		121810	0.05	EPA608
Heptachlor	ug/L	< 0.05		121810	0.05	EPA608
Aldrin	ug/L	< 0.05		121810	0.05	EPA608
Heptachlor Epoxide	ug/L	< 0.05		121810	0.05	EPA608
p,p-DDE	ug/L	< 0.05		121810	0.05	EPA608
Dieldrin	ug/L	< 0.05		121810	0.05	EPA608
Endrin	ug/L	< 0.05		121810	0.05	EPA608
p,p-DDD	ug/L	< 0.05		121810	0.05	EPA608
p,p-DDT	ug/L	< 0.1		121810	0.1	EPA608
Chlordane	ug/L	< 0.2		121810	0.2	EPA608
Toxaphene	ug/L	< 1		121810	1	EPA608
Endrin Ketone	ug/L	< 0.1		121810	0.1	EPA608
a BHC	ug/L	< 0.05		121810	0.05	EPA608
b BHC	ug/L	< 0.05		121810	0.05	EPA608
d BHC	ug/L	< 0.05		121810	0.05	EPA608
Endosulfan 1	ug/L	< 0.1		121810	0.1	EPA608

cc:

LRL=Laboratory Reporting Limit

REMARKS:

MW 2/17/11

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.03 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/14/10
TIME COL'D:1155
MATRIX:Water SAMPLE: HP-101-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Endosulfan 2	ug/L	< 0.1		121810	0.1	EPA608
Endosulfan Sulfate	ug/L	< 0.3		121810	0.3	EPA608
Methoxychlor	ug/L	< 0.1		121810	0.1	EPA608
Endrin Aldehyde	ug/L	< 0.3		121810	0.3	EPA608
Aroclor 1016	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1221	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1232	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1242	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1248	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1254	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1260	ug/L	< 0.065		122110	0.065	EPA608

cc:

LRL=Laboratory Reporting Limit

REMARKS:

MW 2/17/11

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.03 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/14/10
TIME COL'D:1155
MATRIX:Water SAMPLE: HP-101-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/L	< 0.05		122110	0.05	EPA200.7
Antimony as Sb	mg/L	< 0.025		122110	0.025	EPA200.7
Arsenic as As	mg/L	< 0.025		122110	0.025	EPA200.7
Barium as Ba	mg/L	0.18		122110	0.025	EPA200.7
Beryllium as Be	mg/L	< 0.005		122110	0.005	EPA200.7
Cadmium as Cd	mg/L	< 0.025		122110	0.025	EPA200.7
Calcium as Ca	mg/L	230		122110	1	EPA200.7
Chromium as Cr	mg/L	0.15		122110	0.025	EPA200.7
Cobalt as Co	mg/L	< 0.025		122110	0.025	EPA200.7
Copper as Cu	mg/L	< 0.05		122110	0.05	EPA200.7
Iron as Fe	mg/L	12		122110	0.05	EPA200.7
Lead as Pb	mg/L	< 0.025		122110	0.025	EPA200.7
Magnesium as Mg	mg/L	420		122110	0.025	EPA200.7
Manganese as Mn	mg/L	0.27		122110	0.05	EPA200.7
Mercury as Hg	mg/L	< 0.001		122010	0.001	EPA245.2
Nickel as Ni	mg/L	0.07		122110	0.05	EPA200.7
Potassium as K	mg/L	290		122110	200	EPA200.7
Selenium as Se	mg/L	< 0.05		122110	0.05	EPA200.7
Silver as Ag	mg/L	< 0.025		122110	0.025	EPA200.7
Sodium as Na	mg/L	13000		122110	200	EPA200.7
Thallium as Tl	mg/L	< 0.025		122110	0.025	EPA200.7
Vanadium as V	mg/L	< 0.025		122110	0.025	EPA200.7
Zinc as Zn	mg/L	< 0.05		122110	0.05	EPA200.7
Boron as B	mg/L	2.1		122110	0.05	EPA200.7

cc:

LRL=Laboratory Reporting Limit

REMARKS:

2/17/11 DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

6

LAB NO.105793.04 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/14/10
TIME COL'D:1415
MATRIX:Water SAMPLE: HP-104-A

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		121710	1	EPA8260
Chloromethane	ug/L	< 1		121710	1	EPA8260
Vinyl Chloride	ug/L	< 1		121710	1	EPA8260
Bromomethane	ug/L	< 1 UJ		121710	1	EPA8260
Chloroethane	ug/L	< 1		121710	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		121710	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		121710	1	EPA8260
Methylene Chloride	ug/L	< 1 UJ		121710	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		121710	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		121710	1	EPA8260
2,2-Dichloropropane	ug/L	< 1		121710	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		121710	1	EPA8260
Bromochloromethane	ug/L	< 1		121710	1	EPA8260
Chloroform	ug/L	< 1		121710	1	EPA8260
111 Trichloroethane	ug/L	< 1		121710	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		121710	1	EPA8260
1,1-Dichloropropene	ug/L	< 1		121710	1	EPA8260
Benzene	ug/L	< 1		121710	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		121710	1	EPA8260
Trichloroethene	ug/L	< 1		121710	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		121710	1	EPA8260
Dibromomethane	ug/L	< 1		121710	1	EPA8260
Bromodichloromethane	ug/L	< 1		121710	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		121710	1	EPA8260
Toluene	ug/L	< 1		121710	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

NW 2/17/11

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.04 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/14/10
TIME COL'D:1415
MATRIX:Water SAMPLE: HP-104-A

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/L	< 1		121710	1	EPA8260
112 Trichloroethane	ug/L	< 1		121710	1	EPA8260
Tetrachloroethene	ug/L	< 1		121710	1	EPA8260
1,3-Dichloropropane	ug/L	< 1		121710	1	EPA8260
Chlorodibromomethane	ug/L	< 1		121710	1	EPA8260
1,2 Dibromoethane	ug/L	< 1		121710	1	EPA8260
Chlorobenzene	ug/L	5		121710	1	EPA8260
Ethyl Benzene	ug/L	< 1		121710	1	EPA8260
1112Tetrachloroethane	ug/L	< 1		121710	1	EPA8260
m + p Xylene	ug/L	< 2		121710	2	EPA8260
o Xylene	ug/L	< 1		121710	1	EPA8260
Styrene	ug/L	< 1		121710	1	EPA8260
Bromoform	ug/L	< 1		121710	1	EPA8260
Isopropylbenzene	ug/L	< 1		121710	1	EPA8260
Bromobenzene	ug/L	< 1		121710	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		121710	1	EPA8260
123-Trichloropropane	ug/L	< 1		121710	1	EPA8260
n-Propylbenzene	ug/L	< 1		121710	1	EPA8260
2-Chlorotoluene	ug/L	< 1		121710	1	EPA8260
135-Trimethylbenzene	ug/L	< 1		121710	1	EPA8260
4-Chlorotoluene	ug/L	< 1		121710	1	EPA8260
tert-Butylbenzene	ug/L	< 1		121710	1	EPA8260
124-Trimethylbenzene	ug/L	< 1		121710	1	EPA8260
sec-Butylbenzene	ug/L	< 1		121710	1	EPA8260
p-Isopropyltoluene	ug/L	< 1		121710	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

lw 2/17/11

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.04 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/14/10
TIME COL'D:1415
MATRIX:Water SAMPLE: HP-104-A

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/L	< 1		121710	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		121710	1	EPA8260
n-Butylbenzene	ug/L	< 1		121710	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		121710	1	EPA8260
Dibromochloropropane	ug/L	< 1		121710	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		121710	1	EPA8260
Hexachlorobutadiene	ug/L	< 1	UJ	121710	1	EPA8260
Naphthalene(v)	ug/L	< 1		121710	1	EPA8260
123-Trichlorobenzene	ug/L	< 1		121710	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		121710	1	EPA8260
p-Ethyltoluene	ug/L	< 1		121710	1	EPA8260
Freon 113	ug/L	< 1		121710	1	EPA8260
1245 Tetramethylbenz	ug/L	< 1		121710	1	EPA8260
Acetone	ug/L	< 10		121710	10	EPA8260
Methyl Ethyl Ketone	ug/L	< 10		121710	10	EPA8260
Methylisobutylketone	ug/L	< 10		121710	10	EPA8260
Chlorodifluoromethane	ug/L	< 1		121710	1	EPA8260
p Diethylbenzene	ug/L	< 1		121710	1	EPA8260
Acrylonitrile	ug/L	< 5		121710	5	EPA8260
Carbon disulfide	ug/L	< 1	UJ	121710	1	EPA8260
2-Hexanone	ug/L	< 10		121710	10	EPA8260
Vinyl Acetate	ug/L	< 10		121710	10	EPA8260
t-1,4-Dichloro-2-butene	ug/L	< 1		121710	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

2/17/11

DIRECTOR

rn = 32903 NYSDOH ID # 10320 Page 3 of 11

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.04 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/14/10
TIME COL'D:1415
MATRIX:Water SAMPLE: HP-104-A

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/L	< 1		122110	1	EPA8270
1,3 Dichlorobenzene(sv)	ug/L	< 1		122110	1	EPA8270
1,4 Dichlorobenzene(sv)	ug/L	1.0		122110	1	EPA8270
Carbazole	ug/L	< 1		122110	1	EPA8270
1,2 Dichlorobenzene(sv)	ug/L	< 1		122110	1	EPA8270
Bis(2-chloroisopropyl)ether	ug/L	< 1		122110	1	EPA8270
N-Nitrosodi-n-propylamine	ug/L	< 1		122110	1	EPA8270
Hexachloroethane	ug/L	< 1		122110	1	EPA8270
Nitrobenzene	ug/L	< 1		122110	1	EPA8270
Isophorone	ug/L	< 1		122110	1	EPA8270
Bis(2-chloroethoxy)methane	ug/L	< 1		122110	1	EPA8270
124-Trichlorobenzene (sv)	ug/L	< 1		122110	1	EPA8270
Naphthalene(sv)	ug/L	< 1		122110	1	EPA8270
4-Chloroaniline	ug/L	< 1		122110	1	EPA8270
Hexachlorobutadiene	ug/L	< 1		122110	1	EPA8270
2-Methylnaphthalene	ug/L	< 1		122110	1	EPA8270
Hexachlorocyclopentadiene	ug/L	< 10 UJ		122110	10	EPA8270
2-Chloronaphthalene	ug/L	< 1		122110	1	EPA8270
2-Nitroaniline	ug/L	< 1		122110	1	EPA8270
Dimethyl Phthalate	ug/L	< 1		122110	1	EPA8270
Acenaphthylene	ug/L	< 1		122110	1	EPA8270
2,6-Dinitrotoluene	ug/L	< 1		122110	1	EPA8270
3-Nitroaniline	ug/L	< 1		122110	1	EPA8270
Acenaphthene	ug/L	< 1		122110	1	EPA8270
Dibenzofuran	ug/L	< 1		122110	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

2/17/11

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.04 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/14/10
TIME COL'D:1415
MATRIX:Water SAMPLE: HP-104-A

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/L	< 1		122110	1	EPA8270
Diethyl Phthalate	ug/L	< 1		122110	1	EPA8270
4-Chlorophenyl phenyl ether	ug/L	< 1		122110	1	EPA8270
Fluorene	ug/L	< 1		122110	1	EPA8270
4-Nitroaniline	ug/L	< 1		122110	1	EPA8270
N-Nitrosodiphenylamine	ug/L	< 1		122110	1	EPA8270
4-Bromophenyl phenyl ether	ug/L	< 1		122110	1	EPA8270
Hexachlorobenzene	ug/L	< 1		122110	1	EPA8270
Phenanthrene	ug/L	< 1		122110	1	EPA8270
Anthracene	ug/L	< 1		122110	1	EPA8270
Di-n-Butyl Phthalate	ug/L	< 1		122110	1	EPA8270
Fluoranthene	ug/L	< 1		122110	1	EPA8270
Pyrene	ug/L	< 1		122110	1	EPA8270
BenzylButylPhthalate	ug/L	< 1		122110	1	EPA8270
3,3'-Dichlorobenzidine	ug/L	< 10		122110	10	EPA8270
Benzo(a)anthracene	ug/L	< 1		122110	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

2/17/11

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.04 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/14/10
TIME COL'D:1415
MATRIX:Water SAMPLE: HP-104-A

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/L	< 1		122110	1	EPA8270
Bis(2-ethylhexyl)phthalate	ug/L	1.5	1	122110	1	EPA8270
Di-n-octyl Phthalate	ug/L	< 1		122110	1	EPA8270
Benzo(b)fluoranthene	ug/L	< 1		122110	1	EPA8270
Benzo(k)fluoranthene	ug/L	< 1		122110	1	EPA8270
Benzo(a)pyrene	ug/L	< 1		122110	1	EPA8270
Indeno(1,2,3-cd)pyrene	ug/L	< 1		122110	1	EPA8270
Dibenzo(a,h)anthracene	ug/L	< 1		122110	1	EPA8270
Benzo(ghi)perylene	ug/L	< 1		122110	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS: 1-No phthalates detected in method blank.

RW 2/17/14

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

6

LAB NO.105793.04 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/14/10
TIME COL'D:1415
MATRIX:Water SAMPLE: HP-104-A

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/L	< 1		122110	1	EPA8270
2-Chlorophenol	ug/L	< 1		122110	1	EPA8270
2-Methylphenol (o-cresol)	ug/L	< 1		122110	1	EPA8270
4-Methylphenol (p-cresol)	ug/L	< 1		122110	1	EPA8270
2-Nitrophenol	ug/L	< 1		122110	1	EPA8270
2,4-Dimethylphenol	ug/L	< 1	UJ	122110	1	EPA8270
2,4-Dichlorophenol	ug/L	< 1		122110	1	EPA8270
4-Chloro-3-methylphenol	ug/L	< 1		122110	1	EPA8270
2,4,6-Trichlorophenol	ug/L	< 1		122110	1	EPA8270
2,4,5-Trichlorophenol	ug/L	< 1		122110	1	EPA8270
2,4-Dinitrophenol	ug/L	< 10		122110	10	EPA8270
4-Nitrophenol	ug/L	< 10	UJ	122110	10	EPA8270
2-Methyl-4,6-dinitrophenol	ug/L	< 10		122110	10	EPA8270
Pentachlorophenol (ms)	ug/L	< 10	UJ	122110	10	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

2/17/11 DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

6

LAB NO.105793.04 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/14/10
TIME COL'D:1415
MATRIX:Water SAMPLE: HP-104-A

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/L	< 0.05		121810	0.05	EPA608
Heptachlor	ug/L	< 0.05		121810	0.05	EPA608
Aldrin	ug/L	< 0.05		121810	0.05	EPA608
Heptachlor Epoxide	ug/L	< 0.05		121810	0.05	EPA608
p,p-DDE	ug/L	< 0.05		121810	0.05	EPA608
Dieldrin	ug/L	< 0.05		121810	0.05	EPA608
Endrin	ug/L	< 0.05		121810	0.05	EPA608
p,p-DDD	ug/L	< 0.05		121810	0.05	EPA608
p,p-DDT	ug/L	< 0.1		121810	0.1	EPA608
Chlordane	ug/L	< 0.2		121810	0.2	EPA608
Toxaphene	ug/L	< 1		121810	1	EPA608
Endrin Ketone	ug/L	< 0.1		121810	0.1	EPA608
a BHC	ug/L	< 0.05		121810	0.05	EPA608
b BHC	ug/L	< 0.05		121810	0.05	EPA608
d BHC	ug/L	< 0.05		121810	0.05	EPA608
Endosulfan 1	ug/L	< 0.1		121810	0.1	EPA608

cc:

LRL=Laboratory Reporting Limit

REMARKS:

CW 2/7/11

DIRECTOR

rn = 32908 NYSDOH ID # 10320 Page 8 of 11

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

6

LAB NO.105793.04 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/14/10
TIME COL'D:1415
MATRIX:Water SAMPLE: HP-104-A

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Endosulfan 2	ug/L	< 0.1		121810	0.1	EPA608
Endosulfan Sulfate	ug/L	< 0.3		121810	0.3	EPA608
Methoxychlor	ug/L	< 0.1		121810	0.1	EPA608
Endrin Aldehyde	ug/L	< 0.3		121810	0.3	EPA608
Aroclor 1016	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1221	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1232	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1242	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1248	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1254	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1260	ug/L	< 0.065		122110	0.065	EPA608

cc:

LRL=Laboratory Reporting Limit

REMARKS:

2/17/11 DIRECTOR

rn = 32909 NYSDOH ID # 10320 Page 9 of 11

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777 • FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.04 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/14/10
TIME COL'D:1415
MATRIX:Water SAMPLE: HP-104-A

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/L	< 0.05		122110	0.05	EPA200.7
Antimony as Sb	mg/L	< 0.025		122110	0.025	EPA200.7
Arsenic as As	mg/L	< 0.025		122110	0.025	EPA200.7
Barium as Ba	mg/L	0.2		122110	0.025	EPA200.7
Beryllium as Be	mg/L	< 0.005		122110	0.005	EPA200.7
Cadmium as Cd	mg/L	< 0.025		122110	0.025	EPA200.7
Calcium as Ca	mg/L	190		122110	1	EPA200.7
Chromium as Cr	mg/L	< 0.025		122110	0.025	EPA200.7
Cobalt as Co	mg/L	< 0.025		122110	0.025	EPA200.7
Copper as Cu	mg/L	< 0.05		122110	0.05	EPA200.7
Iron as Fe	mg/L	4.0		122110	0.05	EPA200.7
Lead as Pb	mg/L	< 0.025		122110	0.025	EPA200.7
Magnesium as Mg	mg/L	46		122110	0.025	EPA200.7
Manganese as Mn	mg/L	0.85		122110	0.05	EPA200.7
Mercury as Hg	mg/L	< 0.001		122010	0.001	EPA245.2
Nickel as Ni	mg/L	< 0.05		122110	0.05	EPA200.7
Potassium as K	mg/L	30		122110	5	EPA200.7
Selenium as Se	mg/L	< 0.05		122110	0.05	EPA200.7
Silver as Ag	mg/L	< 0.025		122110	0.025	EPA200.7
Sodium as Na	mg/L	110		122110	5	EPA200.7
Thallium as Tl	mg/L	< 0.025		122110	0.025	EPA200.7
Vanadium as V	mg/L	< 0.025		122110	0.025	EPA200.7
Zinc as Zn	mg/L	< 0.05		122110	0.05	EPA200.7
Boron as B	mg/L	0.39		122110	0.05	EPA200.7

cc:

LRL=Laboratory Reporting Limit

REMARKS:

nw
2/17/11 DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

7

LAB NO.105793.05 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/14/10
TIME COL'D:1020
MATRIX:Water SAMPLE: HP-407-U

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		121710	1	EPA8260
Chloromethane	ug/L	< 1		121710	1	EPA8260
Vinyl Chloride	ug/L	< 1		121710	1	EPA8260
Bromomethane	ug/L	< 1	UJ	121710	1	EPA8260
Chloroethane	ug/L	< 1		121710	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		121710	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		121710	1	EPA8260
Methylene Chloride	ug/L	< 1	UJ	121710	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		121710	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		121710	1	EPA8260
2,2-Dichloropropane	ug/L	< 1		121710	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		121710	1	EPA8260
Bromochloromethane	ug/L	< 1		121710	1	EPA8260
Chloroform	ug/L	< 1		121710	1	EPA8260
111 Trichloroethane	ug/L	< 1		121710	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		121710	1	EPA8260
1,1-Dichloropropene	ug/L	< 1		121710	1	EPA8260
Benzene	ug/L	2		121710	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		121710	1	EPA8260
Trichloroethene	ug/L	< 1		121710	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		121710	1	EPA8260
Dibromomethane	ug/L	< 1		121710	1	EPA8260
Bromodichloromethane	ug/L	< 1		121710	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		121710	1	EPA8260
Toluene	ug/L	< 1		121710	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

MW 2/17/11

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.05 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/14/10
TIME COL'D:1020
MATRIX:Water SAMPLE: HP-407-U

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/L	< 1		121710	1	EPA8260
112 Trichloroethane	ug/L	< 1		121710	1	EPA8260
Tetrachloroethene	ug/L	< 1		121710	1	EPA8260
1,3-Dichloropropane	ug/L	< 1		121710	1	EPA8260
Chlorodibromomethane	ug/L	< 1		121710	1	EPA8260
1,2 Dibromoethane	ug/L	< 1		121710	1	EPA8260
Chlorobenzene	ug/L	4		121710	1	EPA8260
Ethyl Benzene	ug/L	< 1		121710	1	EPA8260
1112Tetrachloroethane	ug/L	< 1		121710	1	EPA8260
m + p Xylene	ug/L	< 2		121710	2	EPA8260
o Xylene	ug/L	< 1		121710	1	EPA8260
Styrene	ug/L	< 1		121710	1	EPA8260
Bromoform	ug/L	< 1		121710	1	EPA8260
Isopropylbenzene	ug/L	1		121710	1	EPA8260
Bromobenzene	ug/L	< 1		121710	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		121710	1	EPA8260
123-Trichloropropane	ug/L	< 1		121710	1	EPA8260
n-Propylbenzene	ug/L	< 1		121710	1	EPA8260
2-Chlorotoluene	ug/L	< 1		121710	1	EPA8260
135-Trimethylbenzene	ug/L	< 1		121710	1	EPA8260
4-Chlorotoluene	ug/L	< 1		121710	1	EPA8260
tert-Butylbenzene	ug/L	< 1		121710	1	EPA8260
124-Trimethylbenzene	ug/L	< 1		121710	1	EPA8260
sec-Butylbenzene	ug/L	< 1		121710	1	EPA8260
p-Isopropyltoluene	ug/L	< 1		121710	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

2/17/11

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.05 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/14/10
TIME COL'D:1020
MATRIX:Water SAMPLE: HP-407-U

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/L	< 1		121710	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		121710	1	EPA8260
n-Butylbenzene	ug/L	< 1		121710	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		121710	1	EPA8260
Dibromochloropropane	ug/L	< 1		121710	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		121710	1	EPA8260
Hexachlorobutadiene	ug/L	< 1	UJ	121710	1	EPA8260
Naphthalene(v)	ug/L	< 1		121710	1	EPA8260
123-Trichlorobenzene	ug/L	< 1		121710	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		121710	1	EPA8260
p-Ethyltoluene	ug/L	< 1		121710	1	EPA8260
Freon 113	ug/L	< 1		121710	1	EPA8260
1245 Tetramethylbenz	ug/L	< 1		121710	1	EPA8260
Acetone	ug/L	< 10		121710	10	EPA8260
Methyl Ethyl Ketone	ug/L	< 10		121710	10	EPA8260
Methylisobutylketone	ug/L	< 10		121710	10	EPA8260
Chlorodifluoromethane	ug/L	< 1		121710	1	EPA8260
p Diethylbenzene	ug/L	< 1		121710	1	EPA8260
Acrylonitrile	ug/L	< 5		121710	5	EPA8260
Carbon disulfide	ug/L	< 1	UJ	121710	1	EPA8260
2-Hexanone	ug/L	< 10		121710	10	EPA8260
Vinyl Acetate	ug/L	< 10		121710	10	EPA8260
t-1,4-Dichloro-2-butene	ug/L	< 1		121710	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

nw
2/13/11

DIRECTOR

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

7

LAB NO.105793.05 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/14/10
TIME COL'D:1020
MATRIX:Water SAMPLE: HP-407-U

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/L	< 1		122210	1	EPA8270
1,3 Dichlorobenzene(sv)	ug/L	< 1		122210	1	EPA8270
1,4 Dichlorobenzene(sv)	ug/L	< 1		122210	1	EPA8270
Carbazole	ug/L	< 1		122210	1	EPA8270
1,2 Dichlorobenzene(sv)	ug/L	< 1		122210	1	EPA8270
Bis(2-chloroisopropyl)ether	ug/L	< 1		122210	1	EPA8270
N-Nitrosodi-n-propylamine	ug/L	< 1		122210	1	EPA8270
Hexachloroethane	ug/L	< 1		122210	1	EPA8270
Nitrobenzene	ug/L	< 1		122210	1	EPA8270
Isophorone	ug/L	< 1		122210	1	EPA8270
Bis(2-chloroethoxy)methane	ug/L	< 1		122210	1	EPA8270
124-Trichlorobenzene (sv)	ug/L	< 1		122210	1	EPA8270
Naphthalene(sv)	ug/L	< 1		122210	1	EPA8270
4-Chloroaniline	ug/L	< 1		122210	1	EPA8270
Hexachlorobutadiene	ug/L	< 1		122210	1	EPA8270
2-Methylnaphthalene	ug/L	< 1		122210	1	EPA8270
Hexachlorocyclopentadiene	ug/L	< 10 UJ		122210	10	EPA8270
2-Chloronaphthalene	ug/L	< 1		122210	1	EPA8270
2-Nitroaniline	ug/L	< 1		122210	1	EPA8270
Dimethyl Phthalate	ug/L	< 1		122210	1	EPA8270
Acenaphthylene	ug/L	< 1		122210	1	EPA8270
2,6-Dinitrotoluene	ug/L	< 1		122210	1	EPA8270
3-Nitroaniline	ug/L	< 1		122210	1	EPA8270
Acenaphthene	ug/L	< 1		122210	1	EPA8270
Dibenzofuran	ug/L	< 1		122210	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

lw 2/17/11

DIRECTOR

rn = 32915 NYSDOH ID # 10320 Page 4 of 11

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

7

LAB NO.105793.05 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/14/10
TIME COL'D:1020
MATRIX:Water SAMPLE: HP-407-U

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/L	< 1		122210	1	EPA8270
Diethyl Phthalate	ug/L	< 1		122210	1	EPA8270
4-Chlorophenyl phenyl ether	ug/L	< 1		122210	1	EPA8270
Fluorene	ug/L	< 1		122210	1	EPA8270
4-Nitroaniline	ug/L	< 1		122210	1	EPA8270
N-Nitrosodiphenylamine	ug/L	< 1		122210	1	EPA8270
4-Bromophenyl phenyl ether	ug/L	< 1		122210	1	EPA8270
Hexachlorobenzene	ug/L	< 1		122210	1	EPA8270
Phenanthrene	ug/L	< 1		122210	1	EPA8270
Anthracene	ug/L	< 1		122210	1	EPA8270
Di-n-Butyl Phthalate	ug/L	< 1		122210	1	EPA8270
Fluoranthene	ug/L	< 1		122210	1	EPA8270
Pyrene	ug/L	< 1 UJ	1	122210	1	EPA8270
BenzylButylPhthalate	ug/L	< 1 UJ	1	122210	1	EPA8270
3,3'-Dichlorobenzidine	ug/L	< 10 UJ	2	122210	10	EPA8270
Benzo(a)anthracene	ug/L	< 1 UJ	1	122210	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS: 1,2-Estimated due to low internal standard, 1-48% & 2-40% vs 50%.

MW
2/17/11 DIRECTOR

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

7

LAB NO.105793.05 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/14/10
TIME COL'D:1020
MATRIX:Water SAMPLE: HP-407-U

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/L	< 1 UJ	1	122210	1	EPA8270
Bis(2-ethylhexyl)phthalate	ug/L	1.8 J	1,3	122210	1	EPA8270
Di-n-octyl Phthalate	ug/L	< 1 UJ	2	122210	1	EPA8270
Benzo(b)fluoranthene	ug/L	< 1	2	122210	1	EPA8270
Benzo(k)fluoranthene	ug/L	< 1	2	122210	1	EPA8270
Benzo(a)pyrene	ug/L	< 1	2	122210	1	EPA8270
Indeno(1,2,3-cd)pyrene	ug/L	< 1	2	122210	1	EPA8270
Dibenzo(a,h)anthracene	ug/L	< 1	2	122210	1	EPA8270
Benzo(ghi)perylene	ug/L	< 1	2	122210	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS: 1,2-Estimated due to low internal standard, 1-48% & 2-40% vs 50%.
3-No phthalates detected in method blank.

LW
2/17/11 DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.05 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/14/10
TIME COL'D:1020
MATRIX:Water SAMPLE: HP-407-U

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/L	< 1		122210	1	EPA8270
2-Chlorophenol	ug/L	< 1		122210	1	EPA8270
2-Methylphenol (o-cresol)	ug/L	< 1		122210	1	EPA8270
4-Methylphenol (p-cresol)	ug/L	< 1		122210	1	EPA8270
2-Nitrophenol	ug/L	< 1		122210	1	EPA8270
2,4-Dimethylphenol	ug/L	< 1 UJ		122210	1	EPA8270
2,4-Dichlorophenol	ug/L	< 1		122210	1	EPA8270
4-Chloro-3-methylphenol	ug/L	< 1		122210	1	EPA8270
2,4,6-Trichlorophenol	ug/L	< 1		122210	1	EPA8270
2,4,5-Trichlorophenol	ug/L	< 1		122210	1	EPA8270
2,4-Dinitrophenol	ug/L	< 10		122210	10	EPA8270
4-Nitrophenol	ug/L	< 10 UJ		122210	10	EPA8270
2-Methyl-4,6-dinitrophenol	ug/L	< 10		122210	10	EPA8270
Pentachlorophenol (ms)	ug/L	< 10 UJ		122210	10	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

MW
2/17/11

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.05 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/14/10
TIME COL'D:1020
MATRIX:Water SAMPLE: HP-407-U

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/L	< 0.05		121810	0.05	EPA608
Heptachlor	ug/L	< 0.05		121810	0.05	EPA608
Aldrin	ug/L	< 0.05		121810	0.05	EPA608
Heptachlor Epoxide	ug/L	< 0.05		121810	0.05	EPA608
p,p-DDE	ug/L	< 0.05		121810	0.05	EPA608
Dieldrin	ug/L	< 0.05		121810	0.05	EPA608
Endrin	ug/L	< 0.05		121810	0.05	EPA608
p,p-DDD	ug/L	< 0.05		121810	0.05	EPA608
p,p-DDT	ug/L	< 0.1		121810	0.1	EPA608
Chlordane	ug/L	< 0.2		121810	0.2	EPA608
Toxaphene	ug/L	< 1		121810	1	EPA608
Endrin Ketone	ug/L	< 0.1		121810	0.1	EPA608
a BHC	ug/L	< 0.05		121810	0.05	EPA608
b BHC	ug/L	< 0.05		121810	0.05	EPA608
d BHC	ug/L	< 0.05		121810	0.05	EPA608
Endosulfan 1	ug/L	< 0.1		121810	0.1	EPA608

cc:

LRL=Laboratory Reporting Limit

REMARKS:

NW
2/17/11

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.05 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/14/10
TIME COL'D:1020
MATRIX:Water SAMPLE: HP-407-U

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Endosulfan 2	ug/L	< 0.1		121810	0.1	EPA608
Endosulfan Sulfate	ug/L	< 0.3		121810	0.3	EPA608
Methoxychlor	ug/L	< 0.1		121810	0.1	EPA608
Endrin Aldehyde	ug/L	< 0.3		121810	0.3	EPA608
Aroclor 1016	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1221	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1232	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1242	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1248	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1254	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1260	ug/L	< 0.065		122110	0.065	EPA608

cc:

LRL=Laboratory Reporting Limit

REMARKS:

2/17/11 DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.05 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/14/10
TIME COL'D:1020
MATRIX:Water SAMPLE: HP-407-U

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/L	< 0.05		122110	0.05	EPA200.7
Antimony as Sb	mg/L	< 0.025		122110	0.025	EPA200.7
Arsenic as As	mg/L	< 0.025		122110	0.025	EPA200.7
Barium as Ba	mg/L	0.99		122110	0.025	EPA200.7
Beryllium as Be	mg/L	< 0.005		122110	0.005	EPA200.7
Cadmium as Cd	mg/L	< 0.025		122110	0.025	EPA200.7
Calcium as Ca	mg/L	97		122110	1	EPA200.7
Chromium as Cr	mg/L	< 0.025		122110	0.025	EPA200.7
Cobalt as Co	mg/L	< 0.025		122110	0.025	EPA200.7
Copper as Cu	mg/L	< 0.05		122110	0.05	EPA200.7
Iron as Fe	mg/L	1.4		122110	0.05	EPA200.7
Lead as Pb	mg/L	< 0.025		122110	0.025	EPA200.7
Magnesium as Mg	mg/L	130		122110	0.025	EPA200.7
Manganese as Mn	mg/L	0.37		122110	0.05	EPA200.7
Mercury as Hg	mg/L	< 0.001		122010	0.001	EPA245.2
Nickel as Ni	mg/L	< 0.05		122110	0.05	EPA200.7
Potassium as K	mg/L	85		122110	50	EPA200.7
Selenium as Se	mg/L	< 0.05		122110	0.05	EPA200.7
Silver as Ag	mg/L	< 0.025		122110	0.025	EPA200.7
Sodium as Na	mg/L	400		122110	5	EPA200.7
Thallium as Tl	mg/L	< 0.025		122110	0.025	EPA200.7
Vanadium as V	mg/L	< 0.025		122110	0.025	EPA200.7
Zinc as Zn	mg/L	< 0.05		122110	0.05	EPA200.7
Boron as B	mg/L	2.7		122110	0.05	EPA200.7

cc:

LRL=Laboratory Reporting Limit

REMARKS:

2/17/11 DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.06 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/14/10
TIME COL'D:1150
MATRIX:Water SAMPLE: HP-407-S

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		121710	1	EPA8260
Chloromethane	ug/L	< 1		121710	1	EPA8260
Vinyl Chloride	ug/L	< 1		121710	1	EPA8260
Bromomethane	ug/L	< 1	UJ	121710	1	EPA8260
Chloroethane	ug/L	< 1		121710	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		121710	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		121710	1	EPA8260
Methylene Chloride	ug/L	< 1	UJ	121710	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		121710	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		121710	1	EPA8260
2,2-Dichloropropane	ug/L	< 1		121710	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		121710	1	EPA8260
Bromochloromethane	ug/L	< 1		121710	1	EPA8260
Chloroform	ug/L	< 1		121710	1	EPA8260
111 Trichloroethane	ug/L	< 1		121710	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		121710	1	EPA8260
1,1-Dichloropropene	ug/L	< 1		121710	1	EPA8260
Benzene	ug/L	< 1		121710	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		121710	1	EPA8260
Trichloroethene	ug/L	< 1		121710	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		121710	1	EPA8260
Dibromomethane	ug/L	< 1		121710	1	EPA8260
Bromodichloromethane	ug/L	< 1		121710	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		121710	1	EPA8260
Toluene	ug/L	< 1		121710	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

RW
2/17/11

DIRECTOR

rn = 32923 NYSDOH ID # 10320 Page 1 of 11

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.06 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/14/10
TIME COL'D:1150
MATRIX:Water SAMPLE: HP-407-S

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/L	< 1		121710	1	EPA8260
112 Trichloroethane	ug/L	< 1		121710	1	EPA8260
Tetrachloroethene	ug/L	< 1		121710	1	EPA8260
1,3-Dichloropropane	ug/L	< 1		121710	1	EPA8260
Chlorodibromomethane	ug/L	< 1		121710	1	EPA8260
1,2 Dibromoethane	ug/L	< 1		121710	1	EPA8260
Chlorobenzene	ug/L	< 1		121710	1	EPA8260
Ethyl Benzene	ug/L	< 1		121710	1	EPA8260
1112Tetrachloroethane	ug/L	< 1		121710	1	EPA8260
m + p Xylene	ug/L	< 2		121710	2	EPA8260
o Xylene	ug/L	< 1		121710	1	EPA8260
Styrene	ug/L	< 1		121710	1	EPA8260
Bromoform	ug/L	< 1		121710	1	EPA8260
Isopropylbenzene	ug/L	< 1		121710	1	EPA8260
Bromobenzene	ug/L	< 1		121710	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		121710	1	EPA8260
123-Trichloropropane	ug/L	< 1		121710	1	EPA8260
n-Propylbenzene	ug/L	< 1		121710	1	EPA8260
2-Chlorotoluene	ug/L	< 1		121710	1	EPA8260
135-Trimethylbenzene	ug/L	< 1		121710	1	EPA8260
4-Chlorotoluene	ug/L	< 1		121710	1	EPA8260
tert-Butylbenzene	ug/L	< 1		121710	1	EPA8260
124-Trimethylbenzene	ug/L	< 1		121710	1	EPA8260
sec-Butylbenzene	ug/L	< 1		121710	1	EPA8260
p-Isopropyltoluene	ug/L	< 1		121710	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

MW 2/17/11

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.06 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/14/10
TIME COL'D:1150
MATRIX:Water SAMPLE: HP-407-S

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/L	< 1		121710	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		121710	1	EPA8260
n-Butylbenzene	ug/L	< 1		121710	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		121710	1	EPA8260
Dibromochloropropane	ug/L	< 1		121710	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		121710	1	EPA8260
Hexachlorobutadiene	ug/L	< 1	UJ	121710	1	EPA8260
Naphthalene(v)	ug/L	< 1		121710	1	EPA8260
123-Trichlorobenzene	ug/L	< 1		121710	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		121710	1	EPA8260
p-Ethyltoluene	ug/L	< 1		121710	1	EPA8260
Freon 113	ug/L	< 1		121710	1	EPA8260
1245 Tetramethylbenz	ug/L	< 1		121710	1	EPA8260
Acetone	ug/L	< 10		121710	10	EPA8260
Methyl Ethyl Ketone	ug/L	< 10		121710	10	EPA8260
Methylisobutylketone	ug/L	< 10		121710	10	EPA8260
Chlorodifluoromethane	ug/L	< 1		121710	1	EPA8260
p Diethylbenzene	ug/L	< 1		121710	1	EPA8260
Acrylonitrile	ug/L	< 5		121710	5	EPA8260
Carbon disulfide	ug/L	< 1	UJ	121710	1	EPA8260
2-Hexanone	ug/L	< 10		121710	10	EPA8260
Vinyl Acetate	ug/L	< 10		121710	10	EPA8260
t-1,4-Dichloro-2-butene	ug/L	< 1		121710	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

NW
2/17/11

DIRECTOR

rn = 32925 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777 • FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.06 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/14/10
TIME COL'D:1150
MATRIX:Water SAMPLE: HP-407-S

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/L	< 1		122210	1	EPA8270
1,3 Dichlorobenzene(sv)	ug/L	< 1		122210	1	EPA8270
1,4 Dichlorobenzene(sv)	ug/L	< 1		122210	1	EPA8270
Carbazole	ug/L	< 1		122210	1	EPA8270
1,2 Dichlorobenzene(sv)	ug/L	< 1		122210	1	EPA8270
Bis(2-chloroisopropyl)ether	ug/L	< 1		122210	1	EPA8270
N-Nitrosodi-n-propylamine	ug/L	< 1		122210	1	EPA8270
Hexachloroethane	ug/L	< 1		122210	1	EPA8270
Nitrobenzene	ug/L	< 1		122210	1	EPA8270
Isophorone	ug/L	< 1		122210	1	EPA8270
Bis(2-chloroethoxy)methane	ug/L	< 1		122210	1	EPA8270
124-Trichlorobenzene (sv)	ug/L	< 1		122210	1	EPA8270
Naphthalene(sv)	ug/L	< 1		122210	1	EPA8270
4-Chloroaniline	ug/L	< 1		122210	1	EPA8270
Hexachlorobutadiene	ug/L	< 1		122210	1	EPA8270
2-Methylnaphthalene	ug/L	< 1		122210	1	EPA8270
Hexachlorocyclopentadiene	ug/L	< 10 UJ		122210	10	EPA8270
2-Chloronaphthalene	ug/L	< 1		122210	1	EPA8270
2-Nitroaniline	ug/L	< 1		122210	1	EPA8270
Dimethyl Phthalate	ug/L	< 1		122210	1	EPA8270
Acenaphthylene	ug/L	< 1		122210	1	EPA8270
2,6-Dinitrotoluene	ug/L	< 1		122210	1	EPA8270
3-Nitroaniline	ug/L	< 1		122210	1	EPA8270
Acenaphthene	ug/L	< 1		122210	1	EPA8270
Dibenzofuran	ug/L	< 1		122210	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

MW 2/17/11

DIRECTOR

rn = 32926 NYSDOH ID # 10320 Page 4 of 11

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.06 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/14/10
TIME COL'D:1150
MATRIX:Water SAMPLE: HP-407-S

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/L	< 1		122210	1	EPA8270
Diethyl Phthalate	ug/L	< 1		122210	1	EPA8270
4-Chlorophenyl phenyl ether	ug/L	< 1		122210	1	EPA8270
Fluorene	ug/L	< 1		122210	1	EPA8270
4-Nitroaniline	ug/L	< 1		122210	1	EPA8270
N-Nitrosodiphenylamine	ug/L	< 1		122210	1	EPA8270
4-Bromophenyl phenyl ether	ug/L	< 1		122210	1	EPA8270
Hexachlorobenzene	ug/L	< 1		122210	1	EPA8270
Phenanthrene	ug/L	< 1		122210	1	EPA8270
Anthracene	ug/L	< 1		122210	1	EPA8270
Di-n-Butyl Phthalate	ug/L	< 1		122210	1	EPA8270
Fluoranthene	ug/L	< 1		122210	1	EPA8270
Pyrene	ug/L	< 1		122210	1	EPA8270
BenzylButylPhthalate	ug/L	< 1		122210	1	EPA8270
3,3'-Dichlorobenzidine	ug/L	< 10		122210	10	EPA8270
Benzo(a)anthracene	ug/L	< 1		122210	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

2/17/11 DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.06 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/14/10
TIME COL'D:1150
MATRIX:Water SAMPLE: HP-407-S

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/L	< 1		122210	1	EPA8270
Bis(2-ethylhexyl)phthalate	ug/L	1.4	3	122210	1	EPA8270
Di-n-octyl Phthalate	ug/L	< 1		122210	1	EPA8270
Benzo(b)fluoranthene	ug/L	< 1		122210	1	EPA8270
Benzo(k)fluoranthene	ug/L	< 1		122210	1	EPA8270
Benzo(a)pyrene	ug/L	< 1		122210	1	EPA8270
Indeno(1,2,3-cd)pyrene	ug/L	< 1		122210	1	EPA8270
Dibenzo(a,h)anthracene	ug/L	< 1		122210	1	EPA8270
Benzo(ghi)perylene	ug/L	< 1		122210	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

3-No phthalates detected in method blank.

2/17/11

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.06 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/14/10
TIME COL'D:1150
MATRIX:Water SAMPLE: HP-407-S

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/L	< 1		122210	1	EPA8270
2-Chlorophenol	ug/L	< 1		122210	1	EPA8270
2-Methylphenol (o-cresol)	ug/L	< 1		122210	1	EPA8270
4-Methylphenol (p-cresol)	ug/L	< 1		122210	1	EPA8270
2-Nitrophenol	ug/L	< 1		122210	1	EPA8270
2,4-Dimethylphenol	ug/L	< 1 UJ		122210	1	EPA8270
2,4-Dichlorophenol	ug/L	< 1		122210	1	EPA8270
4-Chloro-3-methylphenol	ug/L	< 1		122210	1	EPA8270
2,4,6-Trichlorophenol	ug/L	< 1		122210	1	EPA8270
2,4,5-Trichlorophenol	ug/L	< 1		122210	1	EPA8270
2,4-Dinitrophenol	ug/L	< 10		122210	10	EPA8270
4-Nitrophenol	ug/L	< 10 UJ		122210	10	EPA8270
2-Methyl-4,6-dinitrophenol	ug/L	< 10		122210	10	EPA8270
Pentachlorophenol (ms)	ug/L	< 10 UJ		122210	10	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

2/17/11 DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.06 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/14/10
TIME COL'D:1150
MATRIX:Water SAMPLE: HP-407-S

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/L	< 0.05	#	121810	0.05	EPA608
Heptachlor	ug/L	< 0.05	#	121810	0.05	EPA608
Aldrin	ug/L	< 0.05	#	121810	0.05	EPA608
Heptachlor Epoxide	ug/L	< 0.05	#	121810	0.05	EPA608
p,p-DDE	ug/L	< 0.05	#	121810	0.05	EPA608
Dieldrin	ug/L	< 0.05	#	121810	0.05	EPA608
Endrin	ug/L	< 0.05	#	121810	0.05	EPA608
p,p-DDD	ug/L	< 0.05	#	121810	0.05	EPA608
p,p-DDT	ug/L	< 0.1	#	121810	0.1	EPA608
Chlordane	ug/L	< 0.2	#	121810	0.2	EPA608
Toxaphene	ug/L	< 1	#	121810	1	EPA608
Endrin Ketone	ug/L	< 0.1	#	121810	0.1	EPA608
a BHC	ug/L	< 0.05	#	121810	0.05	EPA608
b BHC	ug/L	< 0.05	#	121810	0.05	EPA608
d BHC	ug/L	< 0.05	#	121810	0.05	EPA608
Endosulfan 1	ug/L	< 0.1	#	121810	0.1	EPA608

cc:

LRL=Laboratory Reporting Limit

REMARKS: #Surrogate % recovery was above QC limit (168% vs. 145%).

MW 2/17/11

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777 • FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.06 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/14/10
TIME COL'D:1150
MATRIX:Water SAMPLE: HP-407-S

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Endosulfan 2	ug/L	< 0.1	#	121810	0.1	EPA608
Endosulfan Sulfate	ug/L	< 0.3	#	121810	0.3	EPA608
Methoxychlor	ug/L	< 0.1	#	121810	0.1	EPA608
Endrin Aldehyde	ug/L	< 0.3	#	121810	0.3	EPA608
Aroclor 1016	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1221	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1232	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1242	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1248	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1254	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1260	ug/L	< 0.065		122110	0.065	EPA608

cc:

LRL=Laboratory Reporting Limit

REMARKS: #Surrogate % recovery was above QC limit (168% vs. 145%).

2/17/11 DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.06 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/14/10
TIME COL'D:1150
MATRIX:Water SAMPLE: HP-407-S

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/L	< 0.05		122110	0.05	EPA200.7
Antimony as Sb	mg/L	< 0.025		122110	0.025	EPA200.7
Arsenic as As	mg/L	< 0.025		122110	0.025	EPA200.7
Barium as Ba	mg/L	0.16		122110	0.025	EPA200.7
Beryllium as Be	mg/L	< 0.005		122110	0.005	EPA200.7
Cadmium as Cd	mg/L	< 0.025		122110	0.025	EPA200.7
Calcium as Ca	mg/L	220		122110	1	EPA200.7
Chromium as Cr	mg/L	< 0.025		122110	0.025	EPA200.7
Cobalt as Co	mg/L	< 0.025		122110	0.025	EPA200.7
Copper as Cu	mg/L	< 0.05		122110	0.05	EPA200.7
Iron as Fe	mg/L	16		122110	0.05	EPA200.7
Lead as Pb	mg/L	< 0.025		122110	0.025	EPA200.7
Magnesium as Mg	mg/L	500		122110	0.025	EPA200.7
Manganese as Mn	mg/L	0.6		122110	0.05	EPA200.7
Mercury as Hg	mg/L	< 0.001		122010	0.001	EPA245.2
Nickel as Ni	mg/L	0.05		122110	0.05	EPA200.7
Potassium as K	mg/L	280		122110	50	EPA200.7
Selenium as Se	mg/L	< 0.05		122110	0.05	EPA200.7
Silver as Ag	mg/L	< 0.025		122110	0.025	EPA200.7
Sodium as Na	mg/L	3900		122110	50	EPA200.7
Thallium as Tl	mg/L	< 0.025		122110	0.025	EPA200.7
Vanadium as V	mg/L	< 0.025		122110	0.025	EPA200.7
Zinc as Zn	mg/L	< 0.05		122110	0.05	EPA200.7
Boron as B	mg/L	1.7		122110	0.05	EPA200.7

cc:

LRL=Laboratory Reporting Limit

REMARKS:

MW 2/17/11

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

9

LAB NO.105793.07 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/14/10
TIME COL'D:1400
MATRIX:Water SAMPLE: HP-407-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		121710	1	EPA8260
Chloromethane	ug/L	< 1		121710	1	EPA8260
Vinyl Chloride	ug/L	< 1		121710	1	EPA8260
Bromomethane	ug/L	< 1	UJ	121710	1	EPA8260
Chloroethane	ug/L	< 1		121710	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		121710	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		121710	1	EPA8260
Methylene Chloride	ug/L	< 1	UJ	121710	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		121710	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		121710	1	EPA8260
2,2-Dichloropropane	ug/L	< 1		121710	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		121710	1	EPA8260
Bromochloromethane	ug/L	< 1		121710	1	EPA8260
Chloroform	ug/L	< 1		121710	1	EPA8260
111 Trichloroethane	ug/L	< 1		121710	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		121710	1	EPA8260
1,1-Dichloropropene	ug/L	< 1		121710	1	EPA8260
Benzene	ug/L	< 1		121710	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		121710	1	EPA8260
Trichloroethene	ug/L	< 1		121710	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		121710	1	EPA8260
Dibromomethane	ug/L	< 1		121710	1	EPA8260
Bromodichloromethane	ug/L	< 1		121710	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		121710	1	EPA8260
Toluene	ug/L	< 1		121710	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

MW
2/17/14

DIRECTOR

rn = 32934 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.07 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/14/10
TIME COL'D:1400
MATRIX:Water SAMPLE: HP-407-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/L	< 1		121710	1	EPA8260
112 Trichloroethane	ug/L	< 1		121710	1	EPA8260
Tetrachloroethene	ug/L	< 1		121710	1	EPA8260
1,3-Dichloropropane	ug/L	< 1		121710	1	EPA8260
Chlorodibromomethane	ug/L	< 1		121710	1	EPA8260
1,2 Dibromoethane	ug/L	< 1		121710	1	EPA8260
Chlorobenzene	ug/L	< 1		121710	1	EPA8260
Ethyl Benzene	ug/L	< 1		121710	1	EPA8260
1112Tetrachloroethane	ug/L	< 1		121710	1	EPA8260
m + p Xylene	ug/L	< 2		121710	2	EPA8260
o Xylene	ug/L	< 1		121710	1	EPA8260
Styrene	ug/L	< 1		121710	1	EPA8260
Bromoform	ug/L	< 1		121710	1	EPA8260
Isopropylbenzene	ug/L	< 1		121710	1	EPA8260
Bromobenzene	ug/L	< 1		121710	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		121710	1	EPA8260
123-Trichloropropane	ug/L	< 1		121710	1	EPA8260
n-Propylbenzene	ug/L	< 1		121710	1	EPA8260
2-Chlorotoluene	ug/L	< 1		121710	1	EPA8260
135-Trimethylbenzene	ug/L	< 1		121710	1	EPA8260
4-Chlorotoluene	ug/L	< 1		121710	1	EPA8260
tert-Butylbenzene	ug/L	< 1		121710	1	EPA8260
124-Trimethylbenzene	ug/L	< 1		121710	1	EPA8260
sec-Butylbenzene	ug/L	< 1		121710	1	EPA8260
p-Isopropyltoluene	ug/L	< 1		121710	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DW 2/7/11

DIRECTOR

rn = 32935 NYSDOH ID # 10320 Page 2 of 11

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.07 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/14/10
TIME COL'D:1400
MATRIX:Water SAMPLE: HP-407-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/L	< 1		121710	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		121710	1	EPA8260
n-Butylbenzene	ug/L	< 1		121710	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		121710	1	EPA8260
Dibromochloropropane	ug/L	< 1		121710	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		121710	1	EPA8260
Hexachlorobutadiene	ug/L	< 1	UJ	121710	1	EPA8260
Naphthalene(v)	ug/L	< 1		121710	1	EPA8260
123-Trichlorobenzene	ug/L	< 1		121710	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		121710	1	EPA8260
p-Ethyltoluene	ug/L	< 1		121710	1	EPA8260
Freon 113	ug/L	< 1		121710	1	EPA8260
1245 Tetramethylbenz	ug/L	< 1		121710	1	EPA8260
Acetone	ug/L	< 10		121710	10	EPA8260
Methyl Ethyl Ketone	ug/L	< 10		121710	10	EPA8260
Methylisobutylketone	ug/L	< 10		121710	10	EPA8260
Chlorodifluoromethane	ug/L	< 1		121710	1	EPA8260
p Diethylbenzene	ug/L	< 1		121710	1	EPA8260
Acrylonitrile	ug/L	< 5		121710	5	EPA8260
Carbon disulfide	ug/L	< 1	UJ	121710	1	EPA8260
2-Hexanone	ug/L	< 10		121710	10	EPA8260
Vinyl Acetate	ug/L	< 10		121710	10	EPA8260
t-1,4-Dichloro-2-butene	ug/L	< 1		121710	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

RW 2/17/11 DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.07 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/14/10
TIME COL'D:1400
MATRIX:Water SAMPLE: HP-407-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/L	< 1		122110	1	EPA8270
1,3 Dichlorobenzene(sv)	ug/L	< 1		122110	1	EPA8270
1,4 Dichlorobenzene(sv)	ug/L	< 1		122110	1	EPA8270
Carbazole	ug/L	< 1		122110	1	EPA8270
1,2 Dichlorobenzene(sv)	ug/L	< 1		122110	1	EPA8270
Bis(2-chloroisopropyl)ether	ug/L	< 1		122110	1	EPA8270
N-Nitrosodi-n-propylamine	ug/L	< 1		122110	1	EPA8270
Hexachloroethane	ug/L	< 1		122110	1	EPA8270
Nitrobenzene	ug/L	< 1		122110	1	EPA8270
Isophorone	ug/L	< 1		122110	1	EPA8270
Bis(2-chloroethoxy)methane	ug/L	< 1		122110	1	EPA8270
124-Trichlorobenzene (sv)	ug/L	< 1		122110	1	EPA8270
Naphthalene(sv)	ug/L	< 1		122110	1	EPA8270
4-Chloroaniline	ug/L	< 1		122110	1	EPA8270
Hexachlorobutadiene	ug/L	< 1		122110	1	EPA8270
2-Methylnaphthalene	ug/L	< 1		122110	1	EPA8270
Hexachlorocyclopentadiene	ug/L	< 10 UJ		122110	10	EPA8270
2-Chloronaphthalene	ug/L	< 1		122110	1	EPA8270
2-Nitroaniline	ug/L	< 1		122110	1	EPA8270
Dimethyl Phthalate	ug/L	< 1		122110	1	EPA8270
Acenaphthylene	ug/L	< 1		122110	1	EPA8270
2,6-Dinitrotoluene	ug/L	< 1		122110	1	EPA8270
3-Nitroaniline	ug/L	< 1		122110	1	EPA8270
Acenaphthene	ug/L	< 1		122110	1	EPA8270
Dibenzofuran	ug/L	< 1		122110	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

2/7/14 DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.07 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/14/10
TIME COL'D:1400
MATRIX:Water SAMPLE: HP-407-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/L	< 1		122110	1	EPA8270
Diethyl Phthalate	ug/L	< 1		122110	1	EPA8270
4-Chlorophenyl phenyl ether	ug/L	< 1		122110	1	EPA8270
Fluorene	ug/L	< 1		122110	1	EPA8270
4-Nitroaniline	ug/L	< 1		122110	1	EPA8270
N-Nitrosodiphenylamine	ug/L	< 1		122110	1	EPA8270
4-Bromophenyl phenyl ether	ug/L	< 1		122110	1	EPA8270
Hexachlorobenzene	ug/L	< 1		122110	1	EPA8270
Phenanthrene	ug/L	< 1		122110	1	EPA8270
Anthracene	ug/L	< 1		122110	1	EPA8270
Di-n-Butyl Phthalate	ug/L	< 1		122110	1	EPA8270
Fluoranthene	ug/L	< 1		122110	1	EPA8270
Pyrene	ug/L	< 1		122110	1	EPA8270
BenzylButylPhthalate	ug/L	< 1		122110	1	EPA8270
3,3'-Dichlorobenzidine	ug/L	< 10		122110	10	EPA8270
Benzo(a)anthracene	ug/L	< 1		122110	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

2/17/11

DIRECTOR

rn = 32938 NYSDOH ID # 10320 Page 5 of 11

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.07 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/14/10
TIME COL'D:1400
MATRIX:Water SAMPLE: HP-407-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/L	< 1		122110	1	EPA8270
Bis(2-ethylhexyl)phthalate	ug/L	1.9		122110	1	EPA8270
Di-n-octyl Phthalate	ug/L	< 1		122110	1	EPA8270
Benzo(b)fluoranthene	ug/L	< 1		122110	1	EPA8270
Benzo(k)fluoranthene	ug/L	< 1		122110	1	EPA8270
Benzo(a)pyrene	ug/L	< 1		122110	1	EPA8270
Indeno(1,2,3-cd)pyrene	ug/L	< 1		122110	1	EPA8270
Dibenzo(a,h)anthracene	ug/L	< 1		122110	1	EPA8270
Benzo(ghi)perylene	ug/L	< 1		122110	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS: 1-No phthalates detected in method blank.

2/17/11 DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.07 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/14/10
TIME COL'D:1400
MATRIX:Water SAMPLE: HP-407-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/L	< 1		122110	1	EPA8270
2-Chlorophenol	ug/L	< 1		122110	1	EPA8270
2-Methylphenol (o-cresol)	ug/L	< 1		122110	1	EPA8270
4-Methylphenol (p-cresol)	ug/L	< 1		122110	1	EPA8270
2-Nitrophenol	ug/L	< 1		122110	1	EPA8270
2,4-Dimethylphenol	ug/L	< 1 UJ		122110	1	EPA8270
2,4-Dichlorophenol	ug/L	< 1		122110	1	EPA8270
4-Chloro-3-methylphenol	ug/L	< 1		122110	1	EPA8270
2,4,6-Trichlorophenol	ug/L	< 1		122110	1	EPA8270
2,4,5-Trichlorophenol	ug/L	< 1		122110	1	EPA8270
2,4-Dinitrophenol	ug/L	< 10		122110	10	EPA8270
4-Nitrophenol	ug/L	< 10 UJ		122110	10	EPA8270
2-Methyl-4,6-dinitrophenol	ug/L	< 10		122110	10	EPA8270
Pentachlorophenol (ms)	ug/L	< 10 UJ		122110	10	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

RW
2/17/11

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.07 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/14/10
TIME COL'D:1400
MATRIX:Water SAMPLE: HP-407-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/L	< 0.05	#	121810	0.05	EPA608
Heptachlor	ug/L	< 0.05	#	121810	0.05	EPA608
Aldrin	ug/L	< 0.05	#	121810	0.05	EPA608
Heptachlor Epoxide	ug/L	< 0.05	#	121810	0.05	EPA608
p,p-DDE	ug/L	< 0.05	#	121810	0.05	EPA608
Dieldrin	ug/L	< 0.05	#	121810	0.05	EPA608
Endrin	ug/L	< 0.05	#	121810	0.05	EPA608
p,p-DDD	ug/L	< 0.05	#	121810	0.05	EPA608
p,p-DDT	ug/L	< 0.1	#	121810	0.1	EPA608
Chlordane	ug/L	< 0.2	#	121810	0.2	EPA608
Toxaphene	ug/L	< 1	#	121810	1	EPA608
Endrin Ketone	ug/L	< 0.1	#	121810	0.1	EPA608
a BHC	ug/L	< 0.05	#	121810	0.05	EPA608
b BHC	ug/L	< 0.05	#	121810	0.05	EPA608
d BHC	ug/L	< 0.05	#	121810	0.05	EPA608
Endosulfan 1	ug/L	< 0.1	#	121810	0.1	EPA608

cc:

LRL=Laboratory Reporting Limit

REMARKS: #Surrogate % recovery was above QC limit (180% vs. 145%).

2/17/11

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.07 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/14/10
TIME COL'D:1400
MATRIX:Water SAMPLE: HP-407-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Endosulfan 2	ug/L	< 0.1	#	121810	0.1	EPA608
Endosulfan Sulfate	ug/L	< 0.3	#	121810	0.3	EPA608
Methoxychlor	ug/L	< 0.1	#	121810	0.1	EPA608
Endrin Aldehyde	ug/L	< 0.3	#	121810	0.3	EPA608
Aroclor 1016	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1221	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1232	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1242	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1248	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1254	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1260	ug/L	< 0.065 UJ		122110	0.065	EPA608

cc:

LRL=Laboratory Reporting Limit

REMARKS:
#Surrogate % recovery was above QC limit (180% vs. 145%).

UW 2/17/11

DIRECTOR

rn = 32942 NYSDOH ID # 10320 Page 9 of 11

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.07 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/14/10
TIME COL'D:1400
MATRIX:Water SAMPLE: HP-407-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/L	< 0.05		122110	0.05	EPA200.7
Antimony as Sb	mg/L	< 0.025		122110	0.025	EPA200.7
Arsenic as As	mg/L	< 0.025		122110	0.025	EPA200.7
Barium as Ba	mg/L	0.06		122110	0.025	EPA200.7
Beryllium as Be	mg/L	< 0.001		122110	0.005	EPA200.7
Cadmium as Cd	mg/L	< 0.025		122110	0.025	EPA200.7
Calcium as Ca	mg/L	260		122110	1	EPA200.7
Chromium as Cr	mg/L	< 0.025		122110	0.025	EPA200.7
Cobalt as Co	mg/L	< 0.025		122110	0.025	EPA200.7
Copper as Cu	mg/L	< 0.05		122110	0.05	EPA200.7
Iron as Fe	mg/L	24		122110	0.05	EPA200.7
Lead as Pb	mg/L	< 0.025		122110	0.025	EPA200.7
Magnesium as Mg	mg/L	610		122110	0.025	EPA200.7
Manganese as Mn	mg/L	0.91		122110	0.05	EPA200.7
Mercury as Hg	mg/L	< 0.001		122010	0.001	EPA245.2
Nickel as Ni	mg/L	< 0.05		122110	0.05	EPA200.7
Potassium as K	mg/L	350		122110	50	EPA200.7
Selenium as Se	mg/L	< 0.05		122110	0.05	EPA200.7
Silver as Ag	mg/L	< 0.025		122110	0.025	EPA200.7
Sodium as Na	mg/L	4900		122110	50	EPA200.7
Thallium as Tl	mg/L	< 0.025		122110	0.025	EPA200.7
Vanadium as V	mg/L	< 0.025		122110	0.025	EPA200.7
Zinc as Zn	mg/L	< 0.05		122110	0.05	EPA200.7
Boron as B	mg/L	1.8		122110	0.05	EPA200.7

cc:

LRL=Laboratory Reporting Limit

REMARKS:

2/17/11

DIRECTOR

rn = 32943 NYSDOH ID # 10320 Page 10 of 11

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.10 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/14/10

MATRIX:Water SAMPLE: Blind Duplicate

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		121710	1	EPA8260
Chloromethane	ug/L	< 1		121710	1	EPA8260
Vinyl Chloride	ug/L	< 1		121710	1	EPA8260
Bromomethane	ug/L	< 1 UJ		121710	1	EPA8260
Chloroethane	ug/L	< 1		121710	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		121710	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		121710	1	EPA8260
Methylene Chloride	ug/L	< 1 UJ		121710	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		121710	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		121710	1	EPA8260
2,2-Dichloropropane	ug/L	< 1		121710	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		121710	1	EPA8260
Bromochloromethane	ug/L	< 1		121710	1	EPA8260
Chloroform	ug/L	< 1		121710	1	EPA8260
111 Trichloroethane	ug/L	< 1		121710	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		121710	1	EPA8260
1,1-Dichloropropene	ug/L	< 1		121710	1	EPA8260
Benzene	ug/L	2		121710	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		121710	1	EPA8260
Trichloroethene	ug/L	< 1		121710	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		121710	1	EPA8260
Dibromomethane	ug/L	< 1		121710	1	EPA8260
Bromodichloromethane	ug/L	< 1		121710	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		121710	1	EPA8260
Toluene	ug/L	< 1		121710	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

nw
2/17/11

DIRECTOR

rn = 32967 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.10 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/14/10

MATRIX:Water SAMPLE: Blind Duplicate

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/L	< 1		121710	1	EPA8260
112 Trichloroethane	ug/L	< 1		121710	1	EPA8260
Tetrachloroethene	ug/L	< 1		121710	1	EPA8260
1,3-Dichloropropane	ug/L	< 1		121710	1	EPA8260
Chlorodibromomethane	ug/L	< 1		121710	1	EPA8260
1,2 Dibromoethane	ug/L	< 1		121710	1	EPA8260
Chlorobenzene	ug/L	4		121710	1	EPA8260
Ethyl Benzene	ug/L	< 1		121710	1	EPA8260
1112Tetrachloroethane	ug/L	< 1		121710	1	EPA8260
m + p Xylene	ug/L	< 2		121710	2	EPA8260
o Xylene	ug/L	< 1		121710	1	EPA8260
Styrene	ug/L	< 1		121710	1	EPA8260
Bromoform	ug/L	< 1		121710	1	EPA8260
Isopropylbenzene	ug/L	1		121710	1	EPA8260
Bromobenzene	ug/L	< 1		121710	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		121710	1	EPA8260
123-Trichloropropane	ug/L	< 1		121710	1	EPA8260
n-Propylbenzene	ug/L	< 1		121710	1	EPA8260
2-Chlorotoluene	ug/L	< 1		121710	1	EPA8260
135-Trimethylbenzene	ug/L	< 1		121710	1	EPA8260
4-Chlorotoluene	ug/L	< 1		121710	1	EPA8260
tert-Butylbenzene	ug/L	< 1		121710	1	EPA8260
124-Trimethylbenzene	ug/L	< 1		121710	1	EPA8260
sec-Butylbenzene	ug/L	< 1		121710	1	EPA8260
p-Isopropyltoluene	ug/L	< 1		121710	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

KW
2/17/11

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.10 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/14/10

MATRIX:Water SAMPLE: Blind Duplicate

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/L	< 1		121710	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		121710	1	EPA8260
n-Butylbenzene	ug/L	< 1		121710	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		121710	1	EPA8260
Dibromochloropropane	ug/L	< 1		121710	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		121710	1	EPA8260
Hexachlorobutadiene	ug/L	< 1	uJ	121710	1	EPA8260
Naphthalene(v)	ug/L	< 1		121710	1	EPA8260
123-Trichlorobenzene	ug/L	< 1		121710	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		121710	1	EPA8260
p-Ethyltoluene	ug/L	< 1		121710	1	EPA8260
Freon 113	ug/L	< 1		121710	1	EPA8260
1245 Tetramethylbenz	ug/L	< 1		121710	1	EPA8260
Acetone	ug/L	< 10		121710	10	EPA8260
Methyl Ethyl Ketone	ug/L	< 10		121710	10	EPA8260
Methylisobutylketone	ug/L	< 10		121710	10	EPA8260
Chlorodifluoromethane	ug/L	< 1		121710	1	EPA8260
p Diethylbenzene	ug/L	< 1		121710	1	EPA8260
Acrylonitrile	ug/L	< 5		121710	5	EPA8260
Carbon disulfide	ug/L	< 1	uJ	121710	1	EPA8260
2-Hexanone	ug/L	< 10		121710	10	EPA8260
Vinyl Acetate	ug/L	< 10		121710	10	EPA8260
t-1,4-Dichloro-2-butene	ug/L	< 1		121710	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

MW
2/17/11

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.10 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/14/10

MATRIX:Water SAMPLE: Blind Duplicate

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/L	< 1		122210	1	EPA8270
1,3 Dichlorobenzene(sv)	ug/L	< 1		122210	1	EPA8270
1,4 Dichlorobenzene(sv)	ug/L	< 1		122210	1	EPA8270
Carbazole	ug/L	< 1		122210	1	EPA8270
1,2 Dichlorobenzene(sv)	ug/L	< 1		122210	1	EPA8270
Bis(2-chloroisopropyl)ether	ug/L	< 1		122210	1	EPA8270
N-Nitrosodi-n-propylamine	ug/L	< 1		122210	1	EPA8270
Hexachloroethane	ug/L	< 1		122210	1	EPA8270
Nitrobenzene	ug/L	< 1		122210	1	EPA8270
Isophorone	ug/L	< 1		122210	1	EPA8270
Bis(2-chloroethoxy)methane	ug/L	< 1		122210	1	EPA8270
124-Trichlorobenzene (sv)	ug/L	< 1		122210	1	EPA8270
Naphthalene(sv)	ug/L	< 1		122210	1	EPA8270
4-Chloroaniline	ug/L	< 1		122210	1	EPA8270
Hexachlorobutadiene	ug/L	< 1		122210	1	EPA8270
2-Methylnaphthalene	ug/L	< 1		122210	1	EPA8270
Hexachlorocyclopentadiene	ug/L	< 10 UJ		122210	10	EPA8270
2-Chloronaphthalene	ug/L	< 1		122210	1	EPA8270
2-Nitroaniline	ug/L	< 1		122210	1	EPA8270
Dimethyl Phthalate	ug/L	< 1		122210	1	EPA8270
Acenaphthylene	ug/L	< 1		122210	1	EPA8270
2,6-Dinitrotoluene	ug/L	< 1		122210	1	EPA8270
3-Nitroaniline	ug/L	< 1		122210	1	EPA8270
Acenaphthene	ug/L	< 1		122210	1	EPA8270
Dibenzofuran	ug/L	< 1		122210	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

LW
2/17/11

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.10 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/14/10

MATRIX:Water SAMPLE: Blind Duplicate

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/L	< 1		122210	1	EPA8270
Diethyl Phthalate	ug/L	< 1		122210	1	EPA8270
4-Chlorophenyl phenyl ether	ug/L	< 1		122210	1	EPA8270
Fluorene	ug/L	< 1		122210	1	EPA8270
4-Nitroaniline	ug/L	< 1		122210	1	EPA8270
N-Nitrosodiphenylamine	ug/L	< 1 UJ	1	122210	1	EPA8270
4-Bromophenyl phenyl ether	ug/L	< 1	1	122210	1	EPA8270
Hexachlorobenzene	ug/L	< 1	1	122210	1	EPA8270
Phenanthrene	ug/L	< 1	1	122210	1	EPA8270
Anthracene	ug/L	< 1	1	122210	1	EPA8270
Di-n-Butyl Phthalate	ug/L	1.6 J	1,4	122210	1	EPA8270
Fluoranthene	ug/L	< 1 UJ	1	122210	1	EPA8270
Pyrene	ug/L	< 1	2	122210	1	EPA8270
BenzylButylPhthalate	ug/L	< 1	2	122210	1	EPA8270
3,3'-Dichlorobenzidine	ug/L	< 10	3	122210	10	EPA8270
Benzo(a)anthracene	ug/L	< 1	2	122210	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS: 1,2,3-Estimated due to low internal standard, 1-43%, 2-37% & 3-30% vs 50%.
4-No phthalates detected in method blank.

KW 2/17/11

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.10 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/14/10

MATRIX:Water SAMPLE: Blind Duplicate

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/L	< 1 UJ	2	122210	1	EPA8270
Bis(2-ethylhexyl)phthalate	ug/L	1.6 J	2,4	122210	1	EPA8270
Di-n-octyl Phthalate	ug/L	< 1 UJ	3	122210	1	EPA8270
Benzo(b)fluoranthene	ug/L	< 1	3	122210	1	EPA8270
Benzo(k)fluoranthene	ug/L	< 1	3	122210	1	EPA8270
Benzo(a)pyrene	ug/L	< 1	3	122210	1	EPA8270
Indeno(1,2,3-cd)pyrene	ug/L	< 1	3	122210	1	EPA8270
Dibenzo(a,h)anthracene	ug/L	< 1	3	122210	1	EPA8270
Benzo(ghi)perylene	ug/L	< 1	3	122210	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS: 2,3-Estimated due to low internal standard, 3-37% & 3-30% vs 50%.
4-No phthalates detected in method blank.

KW
2/17/11 DIRECTOR

rn = 32972 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.10 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/14/10

MATRIX:Water SAMPLE: Blind Duplicate

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/L	< 1		122210	1	EPA8270
2-Chlorophenol	ug/L	< 1		122210	1	EPA8270
2-Methylphenol (o-cresol)	ug/L	< 1		122210	1	EPA8270
4-Methylphenol (p-cresol)	ug/L	< 1		122210	1	EPA8270
2-Nitrophenol	ug/L	< 1		122210	1	EPA8270
2,4-Dimethylphenol	ug/L	< 1 UJ		122210	1	EPA8270
2,4-Dichlorophenol	ug/L	< 1		122210	1	EPA8270
4-Chloro-3-methylphenol	ug/L	< 1		122210	1	EPA8270
2,4,6-Trichlorophenol	ug/L	< 1		122210	1	EPA8270
2,4,5-Trichlorophenol	ug/L	< 1		122210	1	EPA8270
2,4-Dinitrophenol	ug/L	< 10		122210	10	EPA8270
4-Nitrophenol	ug/L	< 10 UJ		122210	10	EPA8270
2-Methyl-4,6-dinitrophenol	ug/L	< 10 UJ	1	122210	10	EPA8270
Pentachlorophenol (ms)	ug/L	< 10 UJ	1	122210	10	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS: 1-Estimated due tol ow internal standard, 1-43% vs 50%.

LLW
2/7/11 DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.10 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/14/10

MATRIX:Water SAMPLE: Blind Duplicate

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/L	< 0.05		121810	0.05	EPA608
Heptachlor	ug/L	< 0.05		121810	0.05	EPA608
Aldrin	ug/L	< 0.05		121810	0.05	EPA608
Heptachlor Epoxide	ug/L	< 0.05		121810	0.05	EPA608
p,p-DDE	ug/L	< 0.05		121810	0.05	EPA608
Dieldrin	ug/L	< 0.05		121810	0.05	EPA608
Endrin	ug/L	< 0.05		121810	0.05	EPA608
p,p-DDD	ug/L	< 0.05		121810	0.05	EPA608
p,p-DDT	ug/L	< 0.1		121810	0.1	EPA608
Chlordane	ug/L	< 0.2		121810	0.2	EPA608
Toxaphene	ug/L	< 1		121810	1	EPA608
Endrin Ketone	ug/L	< 0.1		121810	0.1	EPA608
a BHC	ug/L	< 0.05		121810	0.05	EPA608
b BHC	ug/L	< 0.05		121810	0.05	EPA608
d BHC	ug/L	< 0.05		121810	0.05	EPA608
Endosulfan 1	ug/L	< 0.1		121810	0.1	EPA608

cc:

LRL=Laboratory Reporting Limit

REMARKS:

MW
2/17/11

DIRECTOR

rn = 32974 NYSDOH ID # 10320 Page 8 of 11

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.10 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/14/10

MATRIX:Water SAMPLE: Blind Duplicate

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Endosulfan 2	ug/L	< 0.1		121810	0.1	EPA608
Endosulfan Sulfate	ug/L	< 0.3		121810	0.3	EPA608
Methoxychlor	ug/L	< 0.1		121810	0.1	EPA608
Endrin Aldehyde	ug/L	< 0.3		121810	0.3	EPA608
Aroclor 1016	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1221	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1232	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1242	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1248	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1254	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1260	ug/L	< 0.065		122110	0.065	EPA608

cc:

LRL=Laboratory Reporting Limit

REMARKS:

2/17/11

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105793.10 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/14/10

MATRIX:Water SAMPLE: Blind Duplicate

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/L	< 0.05		122110	0.05	EPA200.7
Antimony as Sb	mg/L	< 0.025		122110	0.025	EPA200.7
Arsenic as As	mg/L	< 0.025		122110	0.025	EPA200.7
Barium as Ba	mg/L	0.94		122110	0.025	EPA200.7
Beryllium as Be	mg/L	< 0.005		122110	0.005	EPA200.7
Cadmium as Cd	mg/L	< 0.025		122110	0.025	EPA200.7
Calcium as Ca	mg/L	98		122110	1	EPA200.7
Chromium as Cr	mg/L	< 0.025		122110	0.025	EPA200.7
Cobalt as Co	mg/L	< 0.025		122110	0.025	EPA200.7
Copper as Cu	mg/L	< 0.05		122110	0.05	EPA200.7
Iron as Fe	mg/L	1.4		122110	0.05	EPA200.7
Lead as Pb	mg/L	< 0.025		122110	0.025	EPA200.7
Magnesium as Mg	mg/L	120		122110	0.025	EPA200.7
Manganese as Mn	mg/L	0.38		122110	0.05	EPA200.7
Mercury as Hg	mg/L	< 0.001		122010	0.001	EPA245.2
Nickel as Ni	mg/L	< 0.05		122110	0.05	EPA200.7
Potassium as K	mg/L	84		122110	50	EPA200.7
Selenium as Se	mg/L	< 0.05		122110	0.05	EPA200.7
Silver as Ag	mg/L	< 0.025		122110	0.025	EPA200.7
Sodium as Na	mg/L	380		122110	5	EPA200.7
Thallium as Tl	mg/L	< 0.025		122110	0.025	EPA200.7
Vanadium as V	mg/L	< 0.025		122110	0.025	EPA200.7
Zinc as Zn	mg/L	< 0.05		122110	0.05	EPA200.7
Boron as B	mg/L	2.6		122110	0.05	EPA200.7

cc:

LRL=Laboratory Reporting Limit

REMARKS:

QAW
2/17/11

DIRECTOR)

rn = 32976 NYSDOH ID # 10320 Page 10 of 11

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105808.01 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/15/10
TIME COL'D:0925
MATRIX:Water SAMPLE: HP-603

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		121710	1	EPA8260
Chloromethane	ug/L	< 1		121710	1	EPA8260
Vinyl Chloride	ug/L	< 1		121710	1	EPA8260
Bromomethane	ug/L	< 1 UJ		121710	1	EPA8260
Chloroethane	ug/L	< 1		121710	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		121710	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		121710	1	EPA8260
Methylene Chloride	ug/L	< 1 UJ		121710	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		121710	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		121710	1	EPA8260
2,2-Dichloropropane	ug/L	< 1		121710	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		121710	1	EPA8260
Bromochloromethane	ug/L	< 1		121710	1	EPA8260
Chloroform	ug/L	< 1		121710	1	EPA8260
111 Trichloroethane	ug/L	< 1		121710	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		121710	1	EPA8260
1,1-Dichloropropene	ug/L	< 1		121710	1	EPA8260
Benzene	ug/L	< 1		121710	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		121710	1	EPA8260
Trichloroethene	ug/L	< 1		121710	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		121710	1	EPA8260
Dibromomethane	ug/L	< 1		121710	1	EPA8260
Bromodichloromethane	ug/L	< 1		121710	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		121710	1	EPA8260
Toluene	ug/L	< 1		121710	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

1/21/11 DIRECTOR

rn = 33052 NYSDOH ID # 10320 Page 1 of 11

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105808.01 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/15/10
TIME COL'D:0925
MATRIX:Water SAMPLE: HP-603

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/L	< 1		121710	1	EPA8260
112 Trichloroethane	ug/L	< 1		121710	1	EPA8260
Tetrachloroethene	ug/L	< 1		121710	1	EPA8260
1,3-Dichloropropane	ug/L	< 1		121710	1	EPA8260
Chlorodibromomethane	ug/L	< 1		121710	1	EPA8260
1,2 Dibromoethane	ug/L	< 1		121710	1	EPA8260
Chlorobenzene	ug/L	2		121710	1	EPA8260
Ethyl Benzene	ug/L	< 1		121710	1	EPA8260
1112Tetrachloroethane	ug/L	< 1		121710	1	EPA8260
m + p Xylene	ug/L	< 2		121710	2	EPA8260
o Xylene	ug/L	< 1		121710	1	EPA8260
Styrene	ug/L	< 1		121710	1	EPA8260
Bromoform	ug/L	< 1		121710	1	EPA8260
Isopropylbenzene	ug/L	< 1		121710	1	EPA8260
Bromobenzene	ug/L	< 1		121710	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		121710	1	EPA8260
123-Trichloropropane	ug/L	< 1		121710	1	EPA8260
n-Propylbenzene	ug/L	< 1		121710	1	EPA8260
2-Chlorotoluene	ug/L	< 1		121710	1	EPA8260
135-Trimethylbenzene	ug/L	< 1		121710	1	EPA8260
4-Chlorotoluene	ug/L	< 1		121710	1	EPA8260
tert-Butylbenzene	ug/L	< 1		121710	1	EPA8260
124-Trimethylbenzene	ug/L	< 1		121710	1	EPA8260
sec-Butylbenzene	ug/L	< 1		121710	1	EPA8260
p-Isopropyltoluene	ug/L	< 1		121710	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

kw
2/7/11 DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777 • FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105808.01 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/15/10
TIME COL'D:0925
MATRIX:Water SAMPLE: HP-603

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/L	< 1		121710	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		121710	1	EPA8260
n-Butylbenzene	ug/L	< 1		121710	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		121710	1	EPA8260
Dibromochloropropane	ug/L	< 1		121710	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		121710	1	EPA8260
Hexachlorobutadiene	ug/L	< 1	UJ	121710	1	EPA8260
Naphthalene(v)	ug/L	< 1		121710	1	EPA8260
123-Trichlorobenzene	ug/L	< 1		121710	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		121710	1	EPA8260
p-Ethyltoluene	ug/L	< 1		121710	1	EPA8260
Freon 113	ug/L	< 1		121710	1	EPA8260
1245 Tetramethylbenz	ug/L	< 1		121710	1	EPA8260
Acetone	ug/L	< 10		121710	10	EPA8260
Methyl Ethyl Ketone	ug/L	< 10		121710	10	EPA8260
Methylisobutylketone	ug/L	< 10		121710	10	EPA8260
Chlorodifluoromethane	ug/L	< 1		121710	1	EPA8260
p Diethylbenzene	ug/L	< 1		121710	1	EPA8260
Acrylonitrile	ug/L	< 5		121710	5	EPA8260
Carbon disulfide	ug/L	< 1	UJ	121710	1	EPA8260
2-Hexanone	ug/L	< 10		121710	10	EPA8260
Vinyl Acetate	ug/L	< 10		121710	10	EPA8260
t-1,4-Dichloro-2-butene	ug/L	< 1		121710	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

CW
2/7/11

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105808.01 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/15/10
TIME COL'D:0925
MATRIX:Water SAMPLE: HP-603

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/L	< 1 UJ	1	122210	1	EPA8270
1,3 Dichlorobenzene(sv)	ug/L	< 1	1	122210	1	EPA8270
1,4 Dichlorobenzene(sv)	ug/L	< 1	1	122210	1	EPA8270
Carbazole	ug/L	< 1	3	122210	1	EPA8270
1,2 Dichlorobenzene(sv)	ug/L	< 1	1	122210	1	EPA8270
Bis(2-chloroisopropyl)ether	ug/L	< 1	1	122210	1	EPA8270
N-Nitrosodi-n-propylamine	ug/L	< 1	1	122210	1	EPA8270
Hexachloroethane	ug/L	< 1	1	122210	1	EPA8270
Nitrobenzene	ug/L	< 1		122210	1	EPA8270
Isophorone	ug/L	< 1		122210	1	EPA8270
Bis(2-chloroethoxy)methane	ug/L	< 1		122210	1	EPA8270
124-Trichlorobenzene (sv)	ug/L	< 1		122210	1	EPA8270
Naphthalene(sv)	ug/L	< 1		122210	1	EPA8270
4-Chloroaniline	ug/L	< 1		122210	1	EPA8270
Hexachlorobutadiene	ug/L	< 1		122210	1	EPA8270
2-Methylnaphthalene	ug/L	< 1		122210	1	EPA8270
Hexachlorocyclopentadiene	ug/L	< 10 UJ	2	122210	10	EPA8270
2-Chloronaphthalene	ug/L	< 1 UJ	2	122210	1	EPA8270
2-Nitroaniline	ug/L	< 1		122210	1	EPA8270
Dimethyl Phthalate	ug/L	< 1 UJ	2	122210	1	EPA8270
Acenaphthylene	ug/L	< 1	2	122210	1	EPA8270
2,6-Dinitrotoluene	ug/L	< 1	2	122210	1	EPA8270
3-Nitroaniline	ug/L	< 1	2	122210	1	EPA8270
Acenaphthene	ug/L	< 1	2	122210	1	EPA8270
Dibenzofuran	ug/L	< 1	2	122210	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS: 1,2,3-Estimated due to low internal standard, 1-49%, 2-49% & 3-48% vs 50%.

2/17/11 DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105808.01 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/15/10
TIME COL'D:0925
MATRIX:Water SAMPLE: HP-603

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/L	< 1 UJ	2	122210	1	EPA8270
Diethyl Phthalate	ug/L	< 1	2	122210	1	EPA8270
4-Chlorophenyl phenyl ether	ug/L	< 1	2	122210	1	EPA8270
Fluorene	ug/L	< 1	2	122210	1	EPA8270
4-Nitroaniline	ug/L	< 1	2	122210	1	EPA8270
N-Nitrosodiphenylamine	ug/L	< 1	3	122210	1	EPA8270
4-Bromophenyl phenyl ether	ug/L	< 1	3	122210	1	EPA8270
Hexachlorobenzene	ug/L	< 1	3	122210	1	EPA8270
Phenanthrene	ug/L	< 1	3	122210	1	EPA8270
Anthracene	ug/L	< 1	3	122210	1	EPA8270
Di-n-Butyl Phthalate	ug/L	1.8 J	3,5	122210	1	EPA8270
Fluoranthene	ug/L	< 1 UJ	3	122210	1	EPA8270
Pyrene	ug/L	< 1		122210	1	EPA8270
BenzylButylPhthalate	ug/L	< 1		122210	1	EPA8270
3,3'-Dichlorobenzidine	ug/L	< 10 UJ	4	122210	10	EPA8270
Benzo(a)anthracene	ug/L	< 1		122210	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS: 2,3,4-Estimated due to low internal standard, 2-49%, 3-48% & 4-39% vs 50%.
5-No phthalates detected in method blank.

MW
2/17/11

DIRECTOR

rn = 33056 NYSDOH ID # 10320 Page 5 of 11

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105808.01 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/15/10
TIME COL'D:0925
MATRIX:Water SAMPLE: HP-603

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/L	< 1		122210	1	EPA8270
Bis(2-ethylhexyl)phthalate	ug/L	1.0	5	122210	1	EPA8270
Di-n-octyl Phthalate	ug/L	< 1 UJ	4	122210	1	EPA8270
Benzo(b)fluoranthene	ug/L	< 1	4	122210	1	EPA8270
Benzo(k)fluoranthene	ug/L	< 1	4	122210	1	EPA8270
Benzo(a)pyrene	ug/L	< 1	4	122210	1	EPA8270
Indeno(1,2,3-cd)pyrene	ug/L	< 1	4	122210	1	EPA8270
Dibenzo(a,h)anthracene	ug/L	< 1	4	122210	1	EPA8270
Benzo(ghi)perylene	ug/L	< 1	4	122210	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS: 4-Estimated due to low internal standard, 4-39% vs 50%.

5-No phthalates detected in method blank.

2/17/11 DIRECTOR

rn = 33057 NYSDOH ID # 10320 Page 6 of 11

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105808.01 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/15/10
TIME COL'D:0925
MATRIX:Water SAMPLE: HP-603

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/L	< 1 UJ	1	122210	1	EPA8270
2-Chlorophenol	ug/L	< 1	1	122210	1	EPA8270
2-Methylphenol (o-cresol)	ug/L	< 1	1	122210	1	EPA8270
4-Methylphenol (p-cresol)	ug/L	< 1	1	122210	1	EPA8270
2-Nitrophenol	ug/L	< 1		122210	1	EPA8270
2,4-Dimethylphenol	ug/L	< 1 UJ		122210	1	EPA8270
2,4-Dichlorophenol	ug/L	< 1		122210	1	EPA8270
4-Chloro-3-methylphenol	ug/L	< 1		122210	1	EPA8270
2,4,6-Trichlorophenol	ug/L	< 1 UJ	2	122210	1	EPA8270
2,4,5-Trichlorophenol	ug/L	< 1	2	122210	1	EPA8270
2,4-Dinitrophenol	ug/L	< 10	2	122210	10	EPA8270
4-Nitrophenol	ug/L	< 10 UJ	2	122210	10	EPA8270
2-Methyl-4,6-dinitrophenol	ug/L	< 10 UJ	3	122210	10	EPA8270
Pentachlorophenol (ms)	ug/L	< 10 UJ	3	122210	10	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS: 1,2,3-Estimated due to low internal standard, 1-49%, 2-49% & 3-48% vs 50%.

2/17/11 DIRECTOR

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105808.01 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/15/10
TIME COL'D:0925
MATRIX:Water SAMPLE: HP-603

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/L	< 0.05		121810	0.05	EPA608
Heptachlor	ug/L	< 0.05		121810	0.05	EPA608
Aldrin	ug/L	< 0.05		121810	0.05	EPA608
Heptachlor Epoxide	ug/L	< 0.05		121810	0.05	EPA608
p,p-DDE	ug/L	< 0.05		121810	0.05	EPA608
Dieldrin	ug/L	< 0.05		121810	0.05	EPA608
Endrin	ug/L	< 0.05		121810	0.05	EPA608
p,p-DDD	ug/L	< 0.05		121810	0.05	EPA608
p,p-DDT	ug/L	< 0.1		121810	0.1	EPA608
Chlordane	ug/L	< 0.2		121810	0.2	EPA608
Toxaphene	ug/L	< 1		121810	1	EPA608
Endrin Ketone	ug/L	< 0.1		121810	0.1	EPA608
a BHC	ug/L	< 0.05		121810	0.05	EPA608
b BHC	ug/L	< 0.05		121810	0.05	EPA608
d BHC	ug/L	< 0.05		121810	0.05	EPA608
Endosulfan 1	ug/L	< 0.1		121810	0.1	EPA608

cc:

LRL=Laboratory Reporting Limit

REMARKS:

2/17/11 DIRECTOR

rn = 33059 NYSDOH ID # 10320 Page 8 of 11

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777 • FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105808.01 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566

ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/15/10
TIME COL'D:0925
MATRIX:Water SAMPLE: HP-603

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Endosulfan 2	ug/L	< 0.1		121810	0.1	EPA608
Endosulfan Sulfate	ug/L	< 0.3		121810	0.3	EPA608
Methoxychlor	ug/L	< 0.1		121810	0.1	EPA608
Endrin Aldehyde	ug/L	< 0.3		121810	0.3	EPA608
Aroclor 1016	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1221	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1232	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1242	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1248	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1254	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1260	ug/L	< 0.065		122110	0.065	EPA608

cc:

LRL=Laboratory Reporting Limit

REMARKS:

2/17/11 DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTIN(*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105808.01 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/15/10
TIME COL'D:0925
MATRIX:Water SAMPLE: HP-603

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/L	< 0.05		122110	0.05	EPA200.7
Antimony as Sb	mg/L	< 0.025		122110	0.025	EPA200.7
Arsenic as As	mg/L	< 0.025		122110	0.025	EPA200.7
Barium as Ba	mg/L	0.065		122110	0.025	EPA200.7
Beryllium as Be	mg/L	< 0.005		122110	0.005	EPA200.7
Cadmium as Cd	mg/L	< 0.025		122110	0.025	EPA200.7
Calcium as Ca	mg/L	170		122110	1	EPA200.7
Chromium as Cr	mg/L	< 0.025		122110	0.025	EPA200.7
Cobalt as Co	mg/L	< 0.025		122110	0.025	EPA200.7
Copper as Cu	mg/L	< 0.05		122110	0.05	EPA200.7
Iron as Fe	mg/L	6.1		122110	0.05	EPA200.7
Lead as Pb	mg/L	< 0.025		122110	0.025	EPA200.7
Magnesium as Mg	mg/L	28		122110	0.025	EPA200.7
Manganese as Mn	mg/L	0.6		122110	0.05	EPA200.7
Mercury as Hg	mg/L	< 0.001		122010	0.001	EPA245.2
Nickel as Ni	mg/L	< 0.05		122110	0.05	EPA200.7
Potassium as K	mg/L	13		122110	5	EPA200.7
Selenium as Se	mg/L	< 0.05		122110	0.05	EPA200.7
Silver as Ag	mg/L	< 0.025		122110	0.025	EPA200.7
Sodium as Na	mg/L	83		122110	5	EPA200.7
Thallium as Tl	mg/L	< 0.025		122110	0.025	EPA200.7
Vanadium as V	mg/L	< 0.025		122110	0.025	EPA200.7
Zinc as Zn	mg/L	< 0.05		122110	0.05	EPA200.7
Boron as B	mg/L	0.29		122110	0.05	EPA200.7

cc:

LRL=Laboratory Reporting Limit

REMARKS:

MW
2/17/11 DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105808.02 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/15/10
TIME COL'D:1030
MATRIX:Water SAMPLE: HP-103-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		121710	1	EPA8260
Chloromethane	ug/L	< 1		121710	1	EPA8260
Vinyl Chloride	ug/L	< 1		121710	1	EPA8260
Bromomethane	ug/L	< 1	UJ	121710	1	EPA8260
Chloroethane	ug/L	< 1		121710	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		121710	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		121710	1	EPA8260
Methylene Chloride	ug/L	< 1	UJ	121710	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		121710	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		121710	1	EPA8260
2,2-Dichloropropane	ug/L	< 1		121710	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		121710	1	EPA8260
Bromochloromethane	ug/L	< 1		121710	1	EPA8260
Chloroform	ug/L	< 1		121710	1	EPA8260
111 Trichloroethane	ug/L	< 1		121710	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		121710	1	EPA8260
1,1-Dichloropropene	ug/L	< 1		121710	1	EPA8260
Benzene	ug/L	< 1		121710	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		121710	1	EPA8260
Trichloroethene	ug/L	< 1		121710	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		121710	1	EPA8260
Dibromomethane	ug/L	< 1		121710	1	EPA8260
Bromodichloromethane	ug/L	< 1		121710	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		121710	1	EPA8260
Toluene	ug/L	< 1		121710	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

MW
2/17/11 DIRECTOR

rn = 33063 NYSDOH ID # 10320 Page 1 of 11

ECOTEST LABORATORIES, INC.
ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777 • FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

12

LAB NO.105808.02

01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio

PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/15/10
TIME COL'D:1030

MATRIX:Water SAMPLE: HP-103-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/L	< 1		121710	1	EPA8260
112 Trichloroethane	ug/L	< 1		121710	1	EPA8260
Tetrachloroethene	ug/L	< 1		121710	1	EPA8260
1,3-Dichloropropane	ug/L	< 1		121710	1	EPA8260
Chlorodibromomethane	ug/L	< 1		121710	1	EPA8260
1,2 Dibromoethane	ug/L	< 1		121710	1	EPA8260
Chlorobenzene	ug/L	< 1		121710	1	EPA8260
Ethyl Benzene	ug/L	< 1		121710	1	EPA8260
1112Tetrachloroethane	ug/L	< 1		121710	1	EPA8260
m + p Xylene	ug/L	< 2		121710	2	EPA8260
o Xylene	ug/L	< 1		121710	1	EPA8260
Styrene	ug/L	< 1		121710	1	EPA8260
Bromoform	ug/L	< 1		121710	1	EPA8260
Isopropylbenzene	ug/L	< 1		121710	1	EPA8260
Bromobenzene	ug/L	< 1		121710	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		121710	1	EPA8260
123-Trichloropropane	ug/L	< 1		121710	1	EPA8260
n-Propylbenzene	ug/L	< 1		121710	1	EPA8260
2-Chlorotoluene	ug/L	< 1		121710	1	EPA8260
135-Trimethylbenzene	ug/L	< 1		121710	1	EPA8260
4-Chlorotoluene	ug/L	< 1		121710	1	EPA8260
tert-Butylbenzene	ug/L	< 1		121710	1	EPA8260
124-Trimethylbenzene	ug/L	< 1		121710	1	EPA8260
sec-Butylbenzene	ug/L	< 1		121710	1	EPA8260
p-Isopropyltoluene	ug/L	< 1		121710	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

MW 1/7/11 DIRECTOR

rn = 33064 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTIN(*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105808.02 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/15/10
TIME COL'D:1030
MATRIX:Water SAMPLE: HP-103-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/L	< 1		121710	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		121710	1	EPA8260
n-Butylbenzene	ug/L	< 1		121710	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		121710	1	EPA8260
Dibromochloropropane	ug/L	< 1		121710	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		121710	1	EPA8260
Hexachlorobutadiene	ug/L	< 1 UJ		121710	1	EPA8260
Naphthalene(v)	ug/L	< 1		121710	1	EPA8260
123-Trichlorobenzene	ug/L	< 1		121710	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		121710	1	EPA8260
p-Ethyltoluene	ug/L	< 1		121710	1	EPA8260
Freon 113	ug/L	< 1		121710	1	EPA8260
1245 Tetramethylbenz	ug/L	< 1		121710	1	EPA8260
Acetone	ug/L	< 10		121710	10	EPA8260
Methyl Ethyl Ketone	ug/L	< 10		121710	10	EPA8260
Methylisobutylketone	ug/L	< 10		121710	10	EPA8260
Chlorodifluoromethane	ug/L	< 1		121710	1	EPA8260
p Diethylbenzene	ug/L	< 1		121710	1	EPA8260
Acrylonitrile	ug/L	< 5		121710	5	EPA8260
Carbon disulfide	ug/L	< 1 UJ		121710	1	EPA8260
2-Hexanone	ug/L	< 10		121710	10	EPA8260
Vinyl Acetate	ug/L	< 10		121710	10	EPA8260
t-1,4-Dichloro-2-butene	ug/L	< 1		121710	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

LW 2/7/11 DIRECTOR

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTIN(

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105808.02 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/15/10
TIME COL'D:1030
MATRIX:Water SAMPLE: HP-103-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/L	< 1 UJ	1	122210	1	EPA8270
1,3 Dichlorobenzene(sv)	ug/L	< 1	1	122210	1	EPA8270
1,4 Dichlorobenzene(sv)	ug/L	< 1	1	122210	1	EPA8270
Carbazole	ug/L	< 1	3	122210	1	EPA8270
1,2 Dichlorobenzene(sv)	ug/L	< 1	1	122210	1	EPA8270
Bis(2-chloroisopropyl)ether	ug/L	< 1	1	122210	1	EPA8270
N-Nitrosodi-n-propylamine	ug/L	< 1	1	122210	1	EPA8270
Hexachloroethane	ug/L	< 1	1	122210	1	EPA8270
Nitrobenzene	ug/L	< 1		122210	1	EPA8270
Isophorone	ug/L	< 1		122210	1	EPA8270
Bis(2-chloroethoxy)methane	ug/L	< 1		122210	1	EPA8270
124-Trichlorobenzene (sv)	ug/L	< 1		122210	1	EPA8270
Naphthalene(sv)	ug/L	< 1		122210	1	EPA8270
4-Chloroaniline	ug/L	< 1		122210	1	EPA8270
Hexachlorobutadiene	ug/L	< 1		122210	1	EPA8270
2-Methylnaphthalene	ug/L	< 1		122210	1	EPA8270
Hexachlorocyclopentadiene	ug/L	< 10 UJ	2	122210	10	EPA8270
2-Chloronaphthalene	ug/L	< 1 UJ	2	122210	1	EPA8270
2-Nitroaniline	ug/L	< 1		122210	1	EPA8270
Dimethyl Phthalate	ug/L	< 1 UJ	2	122210	1	EPA8270
Acenaphthylene	ug/L	< 1	2	122210	1	EPA8270
2,6-Dinitrotoluene	ug/L	< 1	2	122210	1	EPA8270
3-Nitroaniline	ug/L	< 1	2	122210	1	EPA8270
Acenaphthene	ug/L	< 1	2	122210	1	EPA8270
Dibenzofuran	ug/L	< 1	2	122210	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS: 1,2,3-Estimated due to low internal standard, 1-48%, 2-49% & 3-48% vs 50%.

2/17/11 DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105808.02 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill. NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/15/10
TIME COL'D:1030
MATRIX:Water SAMPLE: HP-103-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/L	< 1 UJ	2	122210	1	EPA8270
Diethyl Phthalate	ug/L	< 1	2	122210	1	EPA8270
4-Chlorophenyl phenyl ether	ug/L	< 1	2	122210	1	EPA8270
Fluorene	ug/L	< 1	2	122210	1	EPA8270
4-Nitroaniline	ug/L	< 1	2	122210	1	EPA8270
N-Nitrosodiphenylamine	ug/L	< 1	3	122210	1	EPA8270
4-Bromophenyl phenyl ether	ug/L	< 1	3	122210	1	EPA8270
Hexachlorobenzene	ug/L	< 1	3	122210	1	EPA8270
Phenanthrene	ug/L	< 1	3	122210	1	EPA8270
Anthracene	ug/L	< 1	3	122210	1	EPA8270
Di-n-Butyl Phthalate	ug/L	1.6 J	3,5	122210	1	EPA8270
Fluoranthene	ug/L	< 1 UJ	3	122210	1	EPA8270
Pyrene	ug/L	< 1		122210	1	EPA8270
BenzylButylPhthalate	ug/L	< 1		122210	1	EPA8270
3,3'-Dichlorobenzidine	ug/L	< 10 UJ	4	122210	10	EPA8270
Benzo(a)anthracene	ug/L	< 1		122210	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS: 2,3,4-Estimated due to low internal standard, 2-49%, 3-48% & 4-40% vs 50%.
5-No phthalates detected in method blank.

MW
2/17/11 DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105808.02 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/15/10
TIME COL'D:1030
MATRIX:Water SAMPLE: HP-103-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/L	< 1		122210	1	EPA8270
Bis(2-ethylhexyl)phthalate	ug/L	2.2	5	122210	1	EPA8270
Di-n-octyl Phthalate	ug/L	< 1 UJ	4	122210	1	EPA8270
Benzo(b)fluoranthene	ug/L	< 1	4	122210	1	EPA8270
Benzo(k)fluoranthene	ug/L	< 1	4	122210	1	EPA8270
Benzo(a)pyrene	ug/L	< 1	4	122210	1	EPA8270
Indeno(1,2,3-cd)pyrene	ug/L	< 1	4	122210	1	EPA8270
Dibenzo(a,h)anthracene	ug/L	< 1	4	122210	1	EPA8270
Benzo(ghi)perylene	ug/L	< 1	4	122210	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS: 4-Estimated due to low internal standard, 4-40% vs 50%.

5-No phthalates detected in method blank.

2/17/11 DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105808.02 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/15/10
TIME COL'D:1030
MATRIX:Water SAMPLE: HP-103-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/L	< 1 UJ	1	122210	1	EPA8270
2-Chlorophenol	ug/L	< 1	1	122210	1	EPA8270
2-Methylphenol (o-cresol)	ug/L	< 1	1	122210	1	EPA8270
4-Methylphenol (p-cresol)	ug/L	< 1	1	122210	1	EPA8270
2-Nitrophenol	ug/L	< 1		122210	1	EPA8270
2,4-Dimethylphenol	ug/L	< 1 UJ		122210	1	EPA8270
2,4-Dichlorophenol	ug/L	< 1		122210	1	EPA8270
4-Chloro-3-methylphenol	ug/L	< 1		122210	1	EPA8270
2,4,6-Trichlorophenol	ug/L	< 1 UJ	2	122210	1	EPA8270
2,4,5-Trichlorophenol	ug/L	< 1	2	122210	1	EPA8270
2,4-Dinitrophenol	ug/L	< 10	2	122210	10	EPA8270
4-Nitrophenol	ug/L	< 10 UJ	2	122210	10	EPA8270
2-Methyl-4,6-dinitrophenol	ug/L	< 10 UJ	3	122210	10	EPA8270
Pentachlorophenol (ms)	ug/L	< 10 UJ	3	122210	10	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS: 1,2,3-Estimated due to low internal standard, 1-48%, 2-49% & 3-48% vs 50%.

MW 2/17/11 DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105808.02 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/15/10
TIME COL'D:1030
MATRIX:Water SAMPLE: HP-103-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/L	< 0.05		121810	0.05	EPA608
Heptachlor	ug/L	< 0.05		121810	0.05	EPA608
Aldrin	ug/L	< 0.05		121810	0.05	EPA608
Heptachlor Epoxide	ug/L	< 0.05		121810	0.05	EPA608
p,p-DDE	ug/L	< 0.05		121810	0.05	EPA608
Dieldrin	ug/L	< 0.05		121810	0.05	EPA608
Endrin	ug/L	< 0.05		121810	0.05	EPA608
p,p-DDD	ug/L	< 0.05		121810	0.05	EPA608
p,p-DDT	ug/L	< 0.1		121810	0.1	EPA608
Chlordane	ug/L	< 0.2		121810	0.2	EPA608
Toxaphene	ug/L	< 1		121810	1	EPA608
Endrin Ketone	ug/L	< 0.1		121810	0.1	EPA608
a BHC	ug/L	< 0.05		121810	0.05	EPA608
b BHC	ug/L	< 0.05		121810	0.05	EPA608
d BHC	ug/L	< 0.05		121810	0.05	EPA608
Endosulfan 1	ug/L	< 0.1		121810	0.1	EPA608

cc:

LRL=Laboratory Reporting Limit

REMARKS:

MW 2/17/11

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105808.02 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/15/10
TIME COL'D:1030
MATRIX:Water SAMPLE: HP-103-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Endosulfan 2	ug/L	< 0.1		121810	0.1	EPA608
Endosulfan Sulfate	ug/L	< 0.3		121810	0.3	EPA608
Methoxychlor	ug/L	< 0.1		121810	0.1	EPA608
Endrin Aldehyde	ug/L	< 0.3		121810	0.3	EPA608
Aroclor 1016	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1221	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1232	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1242	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1248	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1254	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1260	ug/L	< 0.065		122110	0.065	EPA608

cc:

LRL=Laboratory Reporting Limit

REMARKS:

MW
2/7/11 DIRECTOR

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTIN(

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105808.02 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/15/10
TIME COL'D:1030
MATRIX:Water SAMPLE: HP-103-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/L	0.13		122110	0.05	EPA200.7
Antimony as Sb	mg/L	< 0.025		122110	0.025	EPA200.7
Arsenic as As	mg/L	< 0.025		122110	0.025	EPA200.7
Barium as Ba	mg/L	0.1		122110	0.025	EPA200.7
Beryllium as Be	mg/L	< 0.005		122110	0.005	EPA200.7
Cadmium as Cd	mg/L	< 0.025		122110	0.025	EPA200.7
Calcium as Ca	mg/L	340		122110	1	EPA200.7
Chromium as Cr	mg/L	< 0.025		122110	0.025	EPA200.7
Cobalt as Co	mg/L	< 0.025		122110	0.025	EPA200.7
Copper as Cu	mg/L	< 0.05		122110	0.05	EPA200.7
Iron as Fe	mg/L	5.0		122110	0.05	EPA200.7
Lead as Pb	mg/L	< 0.025		122110	0.025	EPA200.7
Magnesium as Mg	mg/L	990		122110	0.025	EPA200.7
Manganese as Mn	mg/L	1.4		122110	0.05	EPA200.7
Mercury as Hg	mg/L	< 0.001		122010	0.001	EPA245.2
Nickel as Ni	mg/L	< 0.05		122110	0.05	EPA200.7
Potassium as K	mg/L	430		122110	200	EPA200.7
Selenium as Se	mg/L	< 0.05		122110	0.05	EPA200.7
Silver as Ag	mg/L	< 0.025		122110	0.025	EPA200.7
Sodium as Na	mg/L	8100		122110	200	EPA200.7
Thallium as Tl	mg/L	< 0.025		122110	0.025	EPA200.7
Vanadium as V	mg/L	< 0.025		122110	0.025	EPA200.7
Zinc as Zn	mg/L	< 0.05		122110	0.05	EPA200.7
Boron as B	mg/L	3.5		122110	0.05	EPA200.7

cc:

LRL=Laboratory Reporting Limit

REMARKS:

MW
2/17/11 DIRECTOR

13

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777 • FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105808.03 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/15/10
TIME COL'D:1215
MATRIX:Water SAMPLE: HP-318

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		121710	1	EPA8260
Chloromethane	ug/L	< 1		121710	1	EPA8260
Vinyl Chloride	ug/L	< 1		121710	1	EPA8260
Bromomethane	ug/L	< 1 UJ		121710	1	EPA8260
Chloroethane	ug/L	< 1		121710	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		121710	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		121710	1	EPA8260
Methylene Chloride	ug/L	< 1 UJ		121710	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		121710	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		121710	1	EPA8260
2,2-Dichloropropane	ug/L	< 1		121710	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		121710	1	EPA8260
Bromochloromethane	ug/L	< 1		121710	1	EPA8260
Chloroform	ug/L	< 1		121710	1	EPA8260
111 Trichloroethane	ug/L	< 1		121710	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		121710	1	EPA8260
1,1-Dichloropropene	ug/L	< 1		121710	1	EPA8260
Benzene	ug/L	< 1		121710	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		121710	1	EPA8260
Trichloroethene	ug/L	< 1		121710	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		121710	1	EPA8260
Dibromomethane	ug/L	< 1		121710	1	EPA8260
Bromodichloromethane	ug/L	< 1		121710	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		121710	1	EPA8260
Toluene	ug/L	< 1		121710	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

2/17/11

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777 • FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105808.03 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/15/10
TIME COL'D:1215
MATRIX:Water SAMPLE: HP-318

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/L	< 1		121710	1	EPA8260
112 Trichloroethane	ug/L	< 1		121710	1	EPA8260
Tetrachloroethene	ug/L	< 1		121710	1	EPA8260
1,3-Dichloropropane	ug/L	< 1		121710	1	EPA8260
Chlorodibromomethane	ug/L	< 1		121710	1	EPA8260
1,2 Dibromoethane	ug/L	< 1		121710	1	EPA8260
Chlorobenzene	ug/L	11		121710	1	EPA8260
Ethyl Benzene	ug/L	< 1		121710	1	EPA8260
1112Tetrachloroethane	ug/L	< 1		121710	1	EPA8260
m + p Xylene	ug/L	< 2		121710	2	EPA8260
o Xylene	ug/L	< 1		121710	1	EPA8260
Styrene	ug/L	< 1		121710	1	EPA8260
Bromoform	ug/L	< 1		121710	1	EPA8260
Isopropylbenzene	ug/L	< 1		121710	1	EPA8260
Bromobenzene	ug/L	< 1		121710	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		121710	1	EPA8260
123-Trichloropropane	ug/L	< 1		121710	1	EPA8260
n-Propylbenzene	ug/L	< 1		121710	1	EPA8260
2-Chlorotoluene	ug/L	< 1		121710	1	EPA8260
135-Trimethylbenzene	ug/L	< 1		121710	1	EPA8260
4-Chlorotoluene	ug/L	< 1		121710	1	EPA8260
tert-Butylbenzene	ug/L	< 1		121710	1	EPA8260
124-Trimethylbenzene	ug/L	< 1		121710	1	EPA8260
sec-Butylbenzene	ug/L	< 1		121710	1	EPA8260
p-Isopropyltoluene	ug/L	< 1		121710	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

lw 2/17/11

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105808.03 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/15/10
TIME COL'D:1215
MATRIX:Water SAMPLE: HP-318

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/L	< 1		121710	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		121710	1	EPA8260
n-Butylbenzene	ug/L	< 1		121710	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		121710	1	EPA8260
Dibromochloropropane	ug/L	< 1		121710	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		121710	1	EPA8260
Hexachlorobutadiene	ug/L	< 1 UJ		121710	1	EPA8260
Naphthalene(v)	ug/L	< 1		121710	1	EPA8260
123-Trichlorobenzene	ug/L	< 1		121710	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		121710	1	EPA8260
p-Ethyltoluene	ug/L	< 1		121710	1	EPA8260
Freon 113	ug/L	< 1		121710	1	EPA8260
1245 Tetramethylbenz	ug/L	1		121710	1	EPA8260
Acetone	ug/L	< 10		121710	10	EPA8260
Methyl Ethyl Ketone	ug/L	< 10		121710	10	EPA8260
Methylisobutylketone	ug/L	< 10		121710	10	EPA8260
Chlorodifluoromethane	ug/L	< 1		121710	1	EPA8260
p Diethylbenzene	ug/L	< 1		121710	1	EPA8260
Acrylonitrile	ug/L	< 5		121710	5	EPA8260
Carbon disulfide	ug/L	< 1 UJ		121710	1	EPA8260
2-Hexanone	ug/L	< 10		121710	10	EPA8260
Vinyl Acetate	ug/L	< 10		121710	10	EPA8260
t-1,4-Dichloro-2-butene	ug/L	< 1		121710	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

kw 2/17/11

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105808.03 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/15/10
TIME COL'D:1215
MATRIX:Water SAMPLE: HP-318

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/L	< 1		122210	1	EPA8270
1,3 Dichlorobenzene(sv)	ug/L	< 1		122210	1	EPA8270
1,4 Dichlorobenzene(sv)	ug/L	< 1		122210	1	EPA8270
Carbazole	ug/L	< 1		122210	1	EPA8270
1,2 Dichlorobenzene(sv)	ug/L	< 1		122210	1	EPA8270
Bis(2-chloroisopropyl)ether	ug/L	< 1		122210	1	EPA8270
N-Nitrosodi-n-propylamine	ug/L	< 1		122210	1	EPA8270
Hexachloroethane	ug/L	< 1		122210	1	EPA8270
Nitrobenzene	ug/L	< 1		122210	1	EPA8270
Isophorone	ug/L	< 1		122210	1	EPA8270
Bis(2-chloroethoxy)methane	ug/L	< 1		122210	1	EPA8270
124-Trichlorobenzene (sv)	ug/L	< 1		122210	1	EPA8270
Naphthalene(sv)	ug/L	< 1		122210	1	EPA8270
4-Chloroaniline	ug/L	< 1		122210	1	EPA8270
Hexachlorobutadiene	ug/L	< 1		122210	1	EPA8270
2-Methylnaphthalene	ug/L	< 1		122210	1	EPA8270
Hexachlorocyclopentadiene	ug/L	< 10	UJ	122210	10	EPA8270
2-Chloronaphthalene	ug/L	< 1		122210	1	EPA8270
2-Nitroaniline	ug/L	< 1		122210	1	EPA8270
Dimethyl Phthalate	ug/L	< 1		122210	1	EPA8270
Acenaphthylene	ug/L	< 1		122210	1	EPA8270
2,6-Dinitrotoluene	ug/L	< 1		122210	1	EPA8270
3-Nitroaniline	ug/L	< 1		122210	1	EPA8270
Acenaphthene	ug/L	< 1		122210	1	EPA8270
Dibenzofuran	ug/L	< 1		122210	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

MW 2/17/11 DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105808.03 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/15/10
TIME COL'D:1215
MATRIX:Water SAMPLE: HP-318

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/L	< 1		122210	1	EPA8270
Diethyl Phthalate	ug/L	< 1		122210	1	EPA8270
4-Chlorophenyl phenyl ether	ug/L	< 1		122210	1	EPA8270
Fluorene	ug/L	< 1		122210	1	EPA8270
4-Nitroaniline	ug/L	< 1		122210	1	EPA8270
N-Nitrosodiphenylamine	ug/L	< 1		122210	1	EPA8270
4-Bromophenyl phenyl ether	ug/L	< 1		122210	1	EPA8270
Hexachlorobenzene	ug/L	< 1		122210	1	EPA8270
Phenanthrene	ug/L	< 1		122210	1	EPA8270
Anthracene	ug/L	< 1		122210	1	EPA8270
Di-n-Butyl Phthalate	ug/L	< 1		122210	1	EPA8270
Fluoranthene	ug/L	< 1		122210	1	EPA8270
Pyrene	ug/L	< 1		122210	1	EPA8270
BenzylButylPhthalate	ug/L	< 1		122210	1	EPA8270
3,3'-Dichlorobenzidine	ug/L	< 10		122210	10	EPA8270
Benzo(a)anthracene	ug/L	< 1		122210	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

2/17/11 DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105808.03 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/15/10
TIME COL'D:1215
MATRIX:Water SAMPLE: HP-318

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/L	< 1		122210	1	EPA8270
Bis(2-ethylhexyl)phthalate	ug/L	1.3	1	122210	1	EPA8270
Di-n-octyl Phthalate	ug/L	< 1		122210	1	EPA8270
Benzo(b)fluoranthene	ug/L	< 1		122210	1	EPA8270
Benzo(k)fluoranthene	ug/L	< 1		122210	1	EPA8270
Benzo(a)pyrene	ug/L	< 1		122210	1	EPA8270
Indeno(1,2,3-cd)pyrene	ug/L	< 1		122210	1	EPA8270
Dibenzo(a,h)anthracene	ug/L	< 1		122210	1	EPA8270
Benzo(ghi)perylene	ug/L	< 1		122210	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS: 1-No phthalates detected in method blank.

2/12/11

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777 • FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105808.03 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/15/10
TIME COL'D:1215
MATRIX:Water SAMPLE: HP-318

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/L	< 1		122210	1	EPA8270
2-Chlorophenol	ug/L	< 1		122210	1	EPA8270
2-Methylphenol (o-cresol)	ug/L	< 1		122210	1	EPA8270
4-Methylphenol (p-cresol)	ug/L	< 1		122210	1	EPA8270
2-Nitrophenol	ug/L	< 1		122210	1	EPA8270
2,4-Dimethylphenol	ug/L	< 1 UJ		122210	1	EPA8270
2,4-Dichlorophenol	ug/L	< 1		122210	1	EPA8270
4-Chloro-3-methylphenol	ug/L	< 1		122210	1	EPA8270
2,4,6-Trichlorophenol	ug/L	< 1		122210	1	EPA8270
2,4,5-Trichlorophenol	ug/L	< 1		122210	1	EPA8270
2,4-Dinitrophenol	ug/L	< 10		122210	10	EPA8270
4-Nitrophenol	ug/L	< 10 UJ		122210	10	EPA8270
2-Methyl-4,6-dinitrophenol	ug/L	< 10		122210	10	EPA8270
Pentachlorophenol (ms)	ug/L	< 10 UJ		122210	10	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

MW 2/17/11

DIRECTOR

rn = 33080 NYSDOH ID # 10320 Page 7 of 11

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105808.03 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/15/10
TIME COL'D:1215
MATRIX:Water SAMPLE: HP-318

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/L	< 0.05		121810	0.05	EPA608
Heptachlor	ug/L	< 0.05		121810	0.05	EPA608
Aldrin	ug/L	< 0.05		121810	0.05	EPA608
Heptachlor Epoxide	ug/L	< 0.05		121810	0.05	EPA608
p,p-DDE	ug/L	< 0.05		121810	0.05	EPA608
Dieldrin	ug/L	< 0.05		121810	0.05	EPA608
Endrin	ug/L	< 0.05		121810	0.05	EPA608
p,p-DDD	ug/L	< 0.05		121810	0.05	EPA608
p,p-DDT	ug/L	< 0.1		121810	0.1	EPA608
Chlordane	ug/L	< 0.2		121810	0.2	EPA608
Toxaphene	ug/L	< 1		121810	1	EPA608
Endrin Ketone	ug/L	< 0.1		121810	0.1	EPA608
a BHC	ug/L	< 0.05		121810	0.05	EPA608
b BHC	ug/L	< 0.05		121810	0.05	EPA608
d BHC	ug/L	< 0.05		121810	0.05	EPA608
Endosulfan 1	ug/L	< 0.1		121810	0.1	EPA608

cc:

LRL=Laboratory Reporting Limit

REMARKS:

2/17/14 DIRECTOR

rn = 33081 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTINC*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105808.03 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/15/10
TIME COL'D:1215
MATRIX:Water SAMPLE: HP-318

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Endosulfan 2	ug/L	< 0.1		121810	0.1	EPA608
Endosulfan Sulfate	ug/L	< 0.3		121810	0.3	EPA608
Methoxychlor	ug/L	< 0.1		121810	0.1	EPA608
Endrin Aldehyde	ug/L	< 0.3		121810	0.3	EPA608
Aroclor 1016	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1221	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1232	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1242	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1248	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1254	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1260	ug/L	< 0.065		122110	0.065	EPA608

cc:

LRL=Laboratory Reporting Limit

REMARKS:

2/17/11 DIRECTOR

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105808.03 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/14/10 RECEIVED:12/15/10
TIME COL'D:1215
MATRIX:Water SAMPLE: HP-318

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/L	< 0.05		122110	0.05	EPA200.7
Antimony as Sb	mg/L	< 0.025		122110	0.025	EPA200.7
Arsenic as As	mg/L	< 0.025		122110	0.025	EPA200.7
Barium as Ba	mg/L	0.058		122110	0.025	EPA200.7
Beryllium as Be	mg/L	< 0.005		122110	0.005	EPA200.7
Cadmium as Cd	mg/L	< 0.025		122110	0.025	EPA200.7
Calcium as Ca	mg/L	170		122110	1	EPA200.7
Chromium as Cr	mg/L	< 0.025		122110	0.025	EPA200.7
Cobalt as Co	mg/L	< 0.025		122110	0.025	EPA200.7
Copper as Cu	mg/L	< 0.05		122110	0.05	EPA200.7
Iron as Fe	mg/L	9.7		122110	0.05	EPA200.7
Lead as Pb	mg/L	< 0.025		122110	0.025	EPA200.7
Magnesium as Mg	mg/L	34		122110	0.025	EPA200.7
Manganese as Mn	mg/L	0.45		122110	0.05	EPA200.7
Mercury as Hg	mg/L	< 0.001		122010	0.001	EPA245.2
Nickel as Ni	mg/L	< 0.05		122110	0.05	EPA200.7
Potassium as K	mg/L	34		122110	5	EPA200.7
Selenium as Se	mg/L	< 0.05		122110	0.05	EPA200.7
Silver as Ag	mg/L	< 0.025		122110	0.025	EPA200.7
Sodium as Na	mg/L	430		122110	5	EPA200.7
Thallium as Tl	mg/L	< 0.025		122110	0.025	EPA200.7
Vanadium as V	mg/L	< 0.025		122110	0.025	EPA200.7
Zinc as Zn	mg/L	< 0.05		122110	0.05	EPA200.7
Boron as B	mg/L	0.34		122110	0.05	EPA200.7

cc:

LRL=Laboratory Reporting Limit

REMARKS:

RW 2/17/11 DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105808.04 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/15/10
TIME COL'D:1400
MATRIX:Water SAMPLE: Field Blank

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		121710	1	EPA8260
Chloromethane	ug/L	< 1		121710	1	EPA8260
Vinyl Chloride	ug/L	< 1		121710	1	EPA8260
Bromomethane	ug/L	< 1 UJ		121710	1	EPA8260
Chloroethane	ug/L	< 1		121710	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		121710	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		121710	1	EPA8260
Methylene Chloride	ug/L	< 1 UJ		121710	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		121710	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		121710	1	EPA8260
2,2-Dichloropropane	ug/L	< 1		121710	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		121710	1	EPA8260
Bromochloromethane	ug/L	< 1		121710	1	EPA8260
Chloroform	ug/L	< 1		121710	1	EPA8260
111 Trichloroethane	ug/L	< 1		121710	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		121710	1	EPA8260
1,1-Dichloropropene	ug/L	< 1		121710	1	EPA8260
Benzene	ug/L	< 1		121710	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		121710	1	EPA8260
Trichloroethene	ug/L	< 1		121710	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		121710	1	EPA8260
Dibromomethane	ug/L	< 1		121710	1	EPA8260
Bromodichloromethane	ug/L	< 1		121710	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		121710	1	EPA8260
Toluene	ug/L	< 1		121710	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

MW 2/17/11

DIRECTOR

rn = 33085 NYSDOH ID # 10320 Page 1 of 11

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105808.04 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/15/10
TIME COL'D:1400
MATRIX:Water SAMPLE: Field Blank

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/L	< 1		121710	1	EPA8260
112 Trichloroethane	ug/L	< 1		121710	1	EPA8260
Tetrachloroethene	ug/L	< 1		121710	1	EPA8260
1,3-Dichloropropane	ug/L	< 1		121710	1	EPA8260
Chlorodibromomethane	ug/L	< 1		121710	1	EPA8260
1,2 Dibromoethane	ug/L	< 1		121710	1	EPA8260
Chlorobenzene	ug/L	< 1		121710	1	EPA8260
Ethyl Benzene	ug/L	< 1		121710	1	EPA8260
1112Tetrachloroethane	ug/L	< 1		121710	1	EPA8260
m + p Xylene	ug/L	< 2		121710	2	EPA8260
o Xylene	ug/L	< 1		121710	1	EPA8260
Styrene	ug/L	< 1		121710	1	EPA8260
Bromoform	ug/L	< 1		121710	1	EPA8260
Isopropylbenzene	ug/L	< 1		121710	1	EPA8260
Bromobenzene	ug/L	< 1		121710	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		121710	1	EPA8260
123-Trichloropropane	ug/L	< 1		121710	1	EPA8260
n-Propylbenzene	ug/L	< 1		121710	1	EPA8260
2-Chlorotoluene	ug/L	< 1		121710	1	EPA8260
135-Trimethylbenzene	ug/L	< 1		121710	1	EPA8260
4-Chlorotoluene	ug/L	< 1		121710	1	EPA8260
tert-Butylbenzene	ug/L	< 1		121710	1	EPA8260
124-Trimethylbenzene	ug/L	< 1		121710	1	EPA8260
sec-Butylbenzene	ug/L	< 1		121710	1	EPA8260
p-Isopropyltoluene	ug/L	< 1		121710	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

dw 2/7/11

DIRECTOR

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105808.04 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/15/10
TIME COL'D:1400
MATRIX:Water SAMPLE: Field Blank

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/L	< 1		121710	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		121710	1	EPA8260
n-Butylbenzene	ug/L	< 1		121710	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		121710	1	EPA8260
Dibromochloropropane	ug/L	< 1		121710	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		121710	1	EPA8260
Hexachlorobutadiene	ug/L	< 1	UJ	121710	1	EPA8260
Naphthalene(v)	ug/L	< 1		121710	1	EPA8260
123-Trichlorobenzene	ug/L	< 1		121710	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		121710	1	EPA8260
p-Ethyltoluene	ug/L	< 1		121710	1	EPA8260
Freon 113	ug/L	< 1		121710	1	EPA8260
1245 Tetramethylbenz	ug/L	< 1		121710	1	EPA8260
Acetone	ug/L	< 10		121710	10	EPA8260
Methyl Ethyl Ketone	ug/L	< 10		121710	10	EPA8260
Methylisobutylketone	ug/L	< 10		121710	10	EPA8260
Chlorodifluoromethane	ug/L	< 1		121710	1	EPA8260
p Diethylbenzene	ug/L	< 1		121710	1	EPA8260
Acrylonitrile	ug/L	< 5		121710	5	EPA8260
Carbon disulfide	ug/L	< 1	UJ	121710	1	EPA8260
2-Hexanone	ug/L	< 10		121710	10	EPA8260
Vinyl Acetate	ug/L	< 10		121710	10	EPA8260
t-1,4-Dichloro-2-butene	ug/L	< 1		121710	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

CW 2/17/14

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105808.04 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/15/10
TIME COL'D:1400
MATRIX:Water SAMPLE: Field Blank

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/L	< 1		122210	1	EPA8270
1,3 Dichlorobenzene(sv)	ug/L	< 1		122210	1	EPA8270
1,4 Dichlorobenzene(sv)	ug/L	< 1		122210	1	EPA8270
Carbazole	ug/L	< 1		122210	1	EPA8270
1,2 Dichlorobenzene(sv)	ug/L	< 1		122210	1	EPA8270
Bis(2-chloroisopropyl)ether	ug/L	< 1		122210	1	EPA8270
N-Nitrosodi-n-propylamine	ug/L	< 1		122210	1	EPA8270
Hexachloroethane	ug/L	< 1		122210	1	EPA8270
Nitrobenzene	ug/L	< 1		122210	1	EPA8270
Isophorone	ug/L	< 1		122210	1	EPA8270
Bis(2-chloroethoxy)methane	ug/L	< 1		122210	1	EPA8270
124-Trichlorobenzene (sv)	ug/L	< 1		122210	1	EPA8270
Naphthalene(sv)	ug/L	< 1		122210	1	EPA8270
4-Chloroaniline	ug/L	< 1		122210	1	EPA8270
Hexachlorobutadiene	ug/L	< 1		122210	1	EPA8270
2-Methylnaphthalene	ug/L	< 1		122210	1	EPA8270
Hexachlorocyclopentadiene	ug/L	< 10 UJ		122210	10	EPA8270
2-Chloronaphthalene	ug/L	< 1		122210	1	EPA8270
2-Nitroaniline	ug/L	< 1		122210	1	EPA8270
Dimethyl Phthalate	ug/L	< 1		122210	1	EPA8270
Acenaphthylene	ug/L	< 1		122210	1	EPA8270
2,6-Dinitrotoluene	ug/L	< 1		122210	1	EPA8270
3-Nitroaniline	ug/L	< 1		122210	1	EPA8270
Acenaphthene	ug/L	< 1		122210	1	EPA8270
Dibenzofuran	ug/L	< 1		122210	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

JW 2/17/11

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105808.04 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/15/10
TIME COL'D:1400
MATRIX:Water SAMPLE: Field Blank

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/L	< 1		122210	1	EPA8270
Diethyl Phthalate	ug/L	< 1		122210	1	EPA8270
4-Chlorophenyl phenyl ether	ug/L	< 1		122210	1	EPA8270
Fluorene	ug/L	< 1		122210	1	EPA8270
4-Nitroaniline	ug/L	< 1		122210	1	EPA8270
N-Nitrosodiphenylamine	ug/L	< 1		122210	1	EPA8270
4-Bromophenyl phenyl ether	ug/L	< 1		122210	1	EPA8270
Hexachlorobenzene	ug/L	< 1		122210	1	EPA8270
Phenanthrene	ug/L	< 1		122210	1	EPA8270
Anthracene	ug/L	< 1		122210	1	EPA8270
Di-n-Butyl Phthalate	ug/L	< 1		122210	1	EPA8270
Fluoranthene	ug/L	< 1		122210	1	EPA8270
Pyrene	ug/L	< 1		122210	1	EPA8270
BenzylButylPhthalate	ug/L	< 1		122210	1	EPA8270
3,3'-Dichlorobenzidine	ug/L	< 10		122210	10	EPA8270
Benzo(a)anthracene	ug/L	< 1		122210	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

qlw 2/17/11

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105808.04 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/15/10
TIME COL'D:1400
MATRIX:Water SAMPLE: Field Blank

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/L	< 1		122210	1	EPA8270
Bis(2-ethylhexyl)phthalate	ug/L	< 1		122210	1	EPA8270
Di-n-octyl Phthalate	ug/L	< 1		122210	1	EPA8270
Benzo(b)fluoranthene	ug/L	< 1		122210	1	EPA8270
Benzo(k)fluoranthene	ug/L	< 1		122210	1	EPA8270
Benzo(a)pyrene	ug/L	< 1		122210	1	EPA8270
Indeno(1,2,3-cd)pyrene	ug/L	< 1		122210	1	EPA8270
Dibenzo(a,h)anthracene	ug/L	< 1		122210	1	EPA8270
Benzo(ghi)perylene	ug/L	< 1		122210	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

2/17/11 DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105808.04 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/15/10
TIME COL'D:1400
MATRIX:Water SAMPLE: Field Blank

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/L	< 1		122210	1	EPA8270
2-Chlorophenol	ug/L	< 1		122210	1	EPA8270
2-Methylphenol (o-cresol)	ug/L	< 1		122210	1	EPA8270
4-Methylphenol (p-cresol)	ug/L	< 1		122210	1	EPA8270
2-Nitrophenol	ug/L	< 1		122210	1	EPA8270
2,4-Dimethylphenol	ug/L	< 1	UJ	122210	1	EPA8270
2,4-Dichlorophenol	ug/L	< 1		122210	1	EPA8270
4-Chloro-3-methylphenol	ug/L	< 1		122210	1	EPA8270
2,4,6-Trichlorophenol	ug/L	< 1		122210	1	EPA8270
2,4,5-Trichlorophenol	ug/L	< 1		122210	1	EPA8270
2,4-Dinitrophenol	ug/L	< 10		122210	10	EPA8270
4-Nitrophenol	ug/L	< 10	UJ	122210	10	EPA8270
2-Methyl-4,6-dinitrophenol	ug/L	< 10		122210	10	EPA8270
Pentachlorophenol (ms)	ug/L	< 10	UJ	122210	10	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

2/17/14 DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTIN(*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105808.04 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/15/10
TIME COL'D:1400
MATRIX:Water SAMPLE: Field Blank

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/L	< 0.05		121810	0.05	EPA608
Heptachlor	ug/L	< 0.05		121810	0.05	EPA608
Aldrin	ug/L	< 0.05		121810	0.05	EPA608
Heptachlor Epoxide	ug/L	< 0.05		121810	0.05	EPA608
p,p-DDE	ug/L	< 0.05		121810	0.05	EPA608
Dieldrin	ug/L	< 0.05		121810	0.05	EPA608
Endrin	ug/L	< 0.05		121810	0.05	EPA608
p,p-DDD	ug/L	< 0.05		121810	0.05	EPA608
p,p-DDT	ug/L	< 0.1		121810	0.1	EPA608
Chlordane	ug/L	< 0.2		121810	0.2	EPA608
Toxaphene	ug/L	< 1		121810	1	EPA608
Endrin Ketone	ug/L	< 0.1		121810	0.1	EPA608
a BHC	ug/L	< 0.05		121810	0.05	EPA608
b BHC	ug/L	< 0.05		121810	0.05	EPA608
d BHC	ug/L	< 0.05		121810	0.05	EPA608
Endosulfan 1	ug/L	< 0.1		121810	0.1	EPA608

cc:

LRL=Laboratory Reporting Limit

REMARKS:

2/7/11 DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTIN(*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105808.04 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/15/10
TIME COL'D:1400
MATRIX:Water SAMPLE: Field Blank

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Endosulfan 2	ug/L	< 0.1		121810	0.1	EPA608
Endosulfan Sulfate	ug/L	< 0.3		121810	0.3	EPA608
Methoxychlor	ug/L	< 0.1		121810	0.1	EPA608
Endrin Aldehyde	ug/L	< 0.3		121810	0.3	EPA608
Aroclor 1016	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1221	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1232	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1242	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1248	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1254	ug/L	< 0.065		122110	0.065	EPA608
Aroclor 1260	ug/L	< 0.065		122110	0.065	EPA608

cc:

LRL=Laboratory Reporting Limit

REMARKS:

2/17/11 DIRECTOR

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTINC

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777 • FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105808.04 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:12/13/10 RECEIVED:12/15/10
TIME COL'D:1400
MATRIX:Water SAMPLE: Field Blank

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/L	< 0.01		122110	0.01	EPA200.7
Antimony as Sb	mg/L	< 0.005		122110	0.005	EPA200.7
Arsenic as As	mg/L	< 0.005		122110	0.005	EPA200.7
Barium as Ba	mg/L	< 0.005		122110	0.005	EPA200.7
Beryllium as Be	mg/L	< 0.001		122110	0.001	EPA200.7
Cadmium as Cd	mg/L	< 0.005		122110	0.005	EPA200.7
Calcium as Ca	mg/L	< 0.2		122110	0.2	EPA200.7
Chromium as Cr	mg/L	< 0.005		122110	0.005	EPA200.7
Cobalt as Co	mg/L	< 0.005		122110	0.005	EPA200.7
Copper as Cu	mg/L	< 0.01		122110	0.01	EPA200.7
Iron as Fe	mg/L	0.02		122110	0.01	EPA200.7
Lead as Pb	mg/L	< 0.005		122110	0.005	EPA200.7
Magnesium as Mg	mg/L	< 0.005		122110	0.005	EPA200.7
Manganese as Mn	mg/L	< 0.01		122110	0.01	EPA200.7
Mercury as Hg	mg/L	< 0.001		122010	0.001	EPA245.2
Nickel as Ni	mg/L	< 0.01		122110	0.01	EPA200.7
Potassium as K	mg/L	< 1		122110	1	EPA200.7
Selenium as Se	mg/L	< 0.01		122110	0.01	EPA200.7
Silver as Ag	mg/L	< 0.005		122110	0.005	EPA200.7
Sodium as Na	mg/L	< 1		122110	1	EPA200.7
Thallium as Tl	mg/L	< 0.005		122110	0.005	EPA200.7
Vanadium as V	mg/L	< 0.005		122110	0.005	EPA200.7
Zinc as Zn	mg/L	< 0.01		122110	0.01	EPA200.7
Boron as B	mg/L	< 0.01		122110	0.01	EPA200.7

cc:

LRL=Laboratory Reporting Limit

REMARKS:

AW
2/17/11

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777 • FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

15

LAB NO.105808.05 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D: RECEIVED:12/15/10

MATRIX:Water SAMPLE: ~~Field~~ TRIP Blank

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		121711	1	EPA8260
Chloromethane	ug/L	< 1		121711	1	EPA8260
Vinyl Chloride	ug/L	< 1		121711	1	EPA8260
Bromomethane	ug/L	< 1	UJ	121711	1	EPA8260
Chloroethane	ug/L	< 1		121711	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		121711	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		121711	1	EPA8260
Methylene Chloride	ug/L	< 1	UJ	121711	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		121711	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		121711	1	EPA8260
2,2-Dichloropropane	ug/L	< 1		121711	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		121711	1	EPA8260
Bromochloromethane	ug/L	< 1		121711	1	EPA8260
Chloroform	ug/L	< 1		121711	1	EPA8260
111 Trichloroethane	ug/L	< 1		121711	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		121711	1	EPA8260
1,1-Dichloropropene	ug/L	< 1		121711	1	EPA8260
Benzene	ug/L	< 1		121711	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		121711	1	EPA8260
Trichloroethene	ug/L	< 1		121711	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		121711	1	EPA8260
Dibromomethane	ug/L	< 1		121711	1	EPA8260
Bromodichloromethane	ug/L	< 1		121711	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		121711	1	EPA8260
Toluene	ug/L	< 1		121711	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

2/17/11

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.105808.05 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566

ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D: RECEIVED:12/15/10

MATRIX:Water SAMPLE: ~~Field~~ TRIP Blank

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/L	< 1		121711	1	EPA8260
112 Trichloroethane	ug/L	< 1		121711	1	EPA8260
Tetrachloroethene	ug/L	< 1		121711	1	EPA8260
1,3-Dichloropropane	ug/L	< 1		121711	1	EPA8260
Chlorodibromomethane	ug/L	< 1		121711	1	EPA8260
1,2 Dibromoethane	ug/L	< 1		121711	1	EPA8260
Chlorobenzene	ug/L	< 1		121711	1	EPA8260
Ethyl Benzene	ug/L	< 1		121711	1	EPA8260
1112Tetrachloroethane	ug/L	< 1		121711	1	EPA8260
m + p Xylene	ug/L	< 2		121711	2	EPA8260
o Xylene	ug/L	< 1		121711	1	EPA8260
Styrene	ug/L	< 1		121711	1	EPA8260
Bromoform	ug/L	< 1		121711	1	EPA8260
Isopropylbenzene	ug/L	< 1		121711	1	EPA8260
Bromobenzene	ug/L	< 1		121711	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		121711	1	EPA8260
123-Trichloropropane	ug/L	< 1		121711	1	EPA8260
n-Propylbenzene	ug/L	< 1		121711	1	EPA8260
2-Chlorotoluene	ug/L	< 1		121711	1	EPA8260
135-Trimethylbenzene	ug/L	< 1		121711	1	EPA8260
4-Chlorotoluene	ug/L	< 1		121711	1	EPA8260
tert-Butylbenzene	ug/L	< 1		121711	1	EPA8260
124-Trimethylbenzene	ug/L	< 1		121711	1	EPA8260
sec-Butylbenzene	ug/L	< 1		121711	1	EPA8260
p-Isopropyltoluene	ug/L	< 1		121711	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

elw 2/17/11 DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777 • FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

15

LAB NO.105808.05 01/11/11

Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D: RECEIVED:12/15/10

MATRIX:Water SAMPLE: ~~Field~~ TRIP Blank

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/L	< 1		121711	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		121711	1	EPA8260
n-Butylbenzene	ug/L	< 1		121711	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		121711	1	EPA8260
Dibromochloropropane	ug/L	< 1		121711	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		121711	1	EPA8260
Hexachlorobutadiene	ug/L	< 1	UJ	121711	1	EPA8260
Naphthalene(v)	ug/L	< 1		121711	1	EPA8260
123-Trichlorobenzene	ug/L	< 1		121711	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		121711	1	EPA8260
p-Ethyltoluene	ug/L	< 1		121711	1	EPA8260
Freon 113	ug/L	< 1		121711	1	EPA8260
1245 Tetramethylbenz	ug/L	< 1		121711	1	EPA8260
Acetone	ug/L	< 10		121711	10	EPA8260
Methyl Ethyl Ketone	ug/L	< 10		121711	10	EPA8260
Methylisobutylketone	ug/L	< 10		121711	10	EPA8260
Chlorodifluoromethane	ug/L	< 1		121711	1	EPA8260
p Diethylbenzene	ug/L	< 1		121711	1	EPA8260
Acrylonitrile	ug/L	< 5		121711	5	EPA8260
Carbon disulfide	ug/L	< 1	UJ	121711	1	EPA8260
2-Hexanone	ug/L	< 10		121711	10	EPA8260
Vinyl Acetate	ug/L	< 10		121711	10	EPA8260
t-1,4-Dichloro-2-butene	ug/L	< 1		121711	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

2/17/11 DIRECTOR

Groundwater Monitoring Chain Of Custody Records

ECOTEST LABORATORIES, INC. • ENVIRONMENTAL TESTING
377 Sheffield Avenue, North Babylon, New York 11703
(631) 422-5777 • FAX (631) 422-5770 • Email: ecotestlab@aol.com

CHAIN OF CUSTODY RECORD

Client: **STRATIS CONTRACTING CORP.**
Address: **7 Corporate Drive**
Peekskill, NY 10566
Phone: **(914) 736-1808** FAX: **(914) 788-6294**
Person receiving report: **Vincent Pelusio**
Sampled by: MOG/RK/KR
Source: **Pennsylvania Avenue Landfill**
Job No.: **200903**

Three (3) coolers

NY QA/QC

Groundwater Well Monitoring
12/13/10

MATRIX (Water, Soil, etc.)	COLLECTED DATE	COLLECTED TIME	SAMPLE IDENTIFICATION	TOTAL NUMBER OF CONTAINERS	TYPE AND NUMBER OF CONTAINERS: VOC Vials	16 oz Amber Glass [H3PO4] - PHENOL	32 oz Amber Glass - PEST. & PCBs	32 oz Amber Glass - ACID EXTRACTABLES	32 oz Amber Glass - Base Neutral Extractables	16 oz Plastic [H2SO4] - N, CBOD	8 oz Plastic [HNO3] - METALS	32 oz Plastic - NON METALS	16 oz Plastic - NON METALS	8 oz Plastic - NON METALS - BROMIDE	8 oz Plastic [NaOH] - CYANIDE			REMARKS – TESTS REQUIRED
Water	12/13/10	10:20	**HP-407-U**	**14**	2	1	3	1	1	1	1	1	1	1	1			VOCs (8260B), SVOCs (8270C)
Water	12/13/10	11:50	**HP-407-S**	**14**	2	1	3	1	1	1	1	1	1	1	1			Pesticides & PCBs (8081A/8082 [3665A])
Water	12/13/10	14:00	**HP-407-D**	**14**	2	1	3	1	1	1	1	1	1	1	1			Chloride (SM 4500-Cl B), Alkalinity (SM 2320B), Sulfate (ASTM D516), Inorganics (200.7 CLP-M)
Water	12/13/10	14:00	**HP-407-D-MS**	**14**	2	1	3	1	1	1	1	1	1	1	1			
Water	12/13/10	14:00	**HP-407-D-MSD**	**14**	2	1	3	1	1	1	1	1	1	1	1			Phenols (EPA 420.2), Sulfate (ASTM D516))
Water	12/13/10		**Blind Duplicate**	**14**	2	1	3	1	1	1	1	1	1	1	1			Total Dissolved Solids (SM 2540B)
Water																		Hardness (EPA 200.7 ICP-AES)
Water																		Nitrate-Nitrogen (SM 4500-NO3-H)
Water																		Ammonia Nitrogen (SM 4500 NH_3-D or C)
Water																		Total Kjeldahl Nitrogen (SM 4500 NH_3 C)

Relinquished by: (Signature)	Date: 12/14/10	SEAL INTACT? (YES) NO NA	Received by: (Signature)	Relinquished by: (Signature)	Date: 12/14/10	SEAL INTACT? YES NO NA	Received by: (Signature)
Representing: STRATIS	Time: 3:10PM		Representing: STRATIS	Representing: STRATIS	Time: 16:15		Representing:
Relinquished by: (Signature)	Date:	SEAL INTACT? YES NO NA	Received by: (Signature)	Relinquished by: (Signature)	Date:	SEAL INTACT? YES NO NA	Received by: (Signature)
Representing:	Time:		Representing:	Representing:	Time:		Representing:

ECO TEST LABORATORIES, INC. • ENVIRONMENTAL TESTING
377 Sheffield Avenue, North Babylon, New York 11703
(631) 422-5777 • FAX (631) 422-5770 • Email: ecotestlab@aol.com

CHAIN OF CUSTODY RECORD

Client: **STRATIS CONTRACTING CORP.**
Address: **7 Corporate Drive**
Peekskill, NY 10566
Phone: **(914) 736-1808** FAX: **(914) 788-6294**
Person receiving report: **Vincent Pelusio**
Sampled by: MOG/RK/KR
Source: **Pennsylvania Avenue Landfill**
Job No.: **200903**

Four (4) coolers

NY QA/QC

Groundwater Well Monitoring
12/14/10

MATRIX (Water, Soil, etc.)	COLLECTED DATE	COLLECTED TIME	SAMPLE IDENTIFICATION	TOTAL NUMBER OF CONTAINERS	TYPE AND NUMBER OF CONTAINERS: VOC Vials	16 oz Amber Glass [H3PO4] - PHENOL	32 oz Amber Glass - PEST. & PCBs	32 oz Amber Glass - ACID EXTRACTABLES	32 oz Amber Glass - Base Neutral Extractables	16 oz Plastic [H2SO4] - N, CBOD	8 oz Plastic [HNO3] - METALS	32 oz Plastic - NON METALS	16 oz Plastic - NON METALS	8 oz Plastic - NON METALS - BROMIDE	8 oz Plastic [NaOH] - CYANIDE			REMARKS – TESTS REQUIRED
Water	12/14/10	9:30	**HP-101-S**	**14**	2	1	3	1	1	1	1	1	1	1	1			VOCs (8260B), SVOCs (8270C)
Water	12/14/10	10:40	**HP-101-U**	**14**	2	1	3	1	1	1	1	1	1	1	1			Pesticides & PCBs (8081A/8082 [3665A])
Water	12/14/10	11:55	**HP-101-D**	**14**	2	1	3	1	1	1	1	1	1	1	1			Chloride (SM 4500-Cl B), Alkalinity (SM 2320B), Sulfate (ASTM D516), Inorganics (200.7 CLP-M)
Water	12/14/10	14:15	**HP-104-A**	**14**	2	1	3	1	1	1	1	1	1	1	1			
Water																		Phenols (EPA 420.2), Sulfate (ASTM D516))
Water																		Total Dissolved Solids (SM 2540B)
Water																		Hardness (EPA 200.7 ICP-AES)
Water																		Nitrate-Nitrogen (SM 4500-NO3-H)
Water																		Ammonia Nitrogen (SM 4500 NH_3-D or C)
Water																		Total Kjeldahl Nitrogen (SM 4500 NH_3 C)

Relinquished by: (Signature)	Date / Time	SEAL INTACT? YES NO NA	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	SEAL INTACT? YES NO NA	Received by: (Signature)
MOGono Representing: STRATIS	Date: 12/14/10 Time: 3:10PM		Representing: STRATIS	Representing: STRATIS	Date: 12/14/10 Time: 16:15		Representing:
Relinquished by: (Signature) Representing:	Date: Time:	SEAL INTACT? YES NO NA	Received by: (Signature) Representing:	Relinquished by: (Signature) Representing:	Date: Time:	SEAL INTACT? YES NO NA	Received by: (Signature) Representing:

ECOTEST LABORATORIES, INC. • ENVIRONMENTAL TESTING
377 Sheffield Avenue, North Babylon, New York 11703
(631) 422-5777 • FAX (631) 422-5770 • Email: ecotestlab@aol.com

CHAIN OF CUSTODY RECORD

Four (4) coolers

NY QA/QC

Groundwater Well Monitoring 12/14/10

Client: **STRATIS CONTRACTING CORP.**
Address: **7 Corporate Drive**
Peekskill, NY 10566
Phone: **(914) 736-1808** FAX: **(914) 788-6294**
Person receiving report: **Vincent Pelusio**
Sampled by: MOG/RK/KR
Source: **Pennsylvania Avenue Landfill**
Job No.: **200903**

MATRIX (Water, Soil, etc.)	COLLECTED DATE	COLLECTED TIME	SAMPLE IDENTIFICATION	TOTAL NUMBER OF CONTAINERS	TYPE AND NUMBER OF CONTAINERS: VOC Vials	16 oz Amber Glass [H3PO4] - PHENOL	32 oz Amber Glass - PEST. & PCBs	32 oz Amber Glass - ACID EXTRACTABLES	32 oz Amber Glass - Base Neutral Extractables	16 oz Plastic [H2SO4] - N, CBOD	8 oz Plastic [HNO3] - METALS	32 oz Plastic - NON METALS	16 oz Plastic - NON METALS	8 oz Plastic - NON METALS - BROMIDE	16 oz Plastic [NaOH] - CYANIDE			REMARKS – TESTS REQUIRED
Water	12/14/10	9:25	**HP-603**	**14**	2	1	3	1	1	1	1	1	1	1	1			VOCs (8260B), SVOCs (8270C)
Water	12/14/10	10:30	**HP-103-D**	**14**	2	1	3	1	1	1	1	1	1	1	1			Pesticides & PCBs (8081A/8082 [3665A])
Water	12/14/10	12:15	**HP-318**	**14**	2	1	3	1	1	1	1	1	1	1	1			Chloride (SM 4500-Cl B), Alkalinity (SM 2320B), Sulfate (ASTM D516), Inorganics (200.7 CLP-M)
Water	12/13/10	14:00	**Field Blank**	**14**	2	1	3	1	1	1	1	1	1	1	1			
Water			**Trip Blank**	**2**	2													Phenols (EPA 420.2), Sulfate (ASTM D516))
																		Total Dissolved Solids (SM 2540B)
																		Hardness (EPA 200.7 ICP-AES)
																		Nitrate-Nitrogen (SM 4500-NO3-H)
																		Ammonia Nitrogen (SM 4500 NH_3-D or C)
																		Total Kjeldahl Nitrogen (SM 4500 NH_3 C)

Relinquished by: (Signature)	Date:	SEAL INTACT? YES NO NA	Received by: (Signature)	Relinquished by: (Signature)	Date:	SEAL INTACT? YES NO NA	Received by: (Signature)
Mildred Gonos Representing: STRATIS	12/15/10 Time: 1:30 PM		Representing: STRATIS	Representing: STRATIS	12/15/10 Time: 14:43		Representing:
Relinquished by: (Signature) Representing:	Date: Time:	SEAL INTACT? YES NO NA	Received by: (Signature) Representing:	Relinquished by: (Signature) Representing:	Date: Time:	SEAL INTACT? YES NO NA	Received by: (Signature) Representing:

Appendix F –Landfill Gas Migration Monitoring

Perimeter Soil Gas Monitoring Field Log

PENNSYLVANIA AVENUE LANDFILL
PERIMETER GAS MONITORING LOG

DATE: 12/23/10	**TECHNICIAN: MOG / RK**	**WEATHER: Overcast / Mostly Cloudy & Windy**
AMBIENT TEMP. (°F) 33	**WIND DIRECTION NW**	**WIND SPEED (MPH) 25**
		Barometric Pressure: 29.80 in. Hg

Well ID	Well Depth (ft)	Well Vol. (liters)	Purge Vol. (liters)	Purge Flow (LPM)	Purge Time (min.)	Purge Start Time	Sample Start Time	% Methane	% Carbon Dioxide	% Oxygen	Comments
PAL GMW-01	12	7.4	14.8	2.2	7	7:15	7:22	0	3.9	19.9	
PAL GMW-02	10	6.2	12.4	2.2	6	7:26	7:32	0	1.8	19.8	
PAL GMW-03	11	6.8	13.6	2.2	7	7:40	7:47	0	1.9	20.3	
PAL GMW-04	10	6.2	12.4	2.2	7	7:55	8:02	1.8	2.8	0.1	
PAL GMW-05	12	7.4	14.8	2.2	8	8:10	8:18	0	2.0	19.7	