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

Quarterly Post Closure Operation, Maintenance and Monitoring Report
April 2010 through June 2010

December 2010

New York City Department of Environmental Protection
Bureau of Wastewater Treatment
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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 April 1, 2010 and June 30, 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 pre-treatment 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 April 1, 2010 through June 30, 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, pre-treatment 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 18.6 gpm this quarter. The pre-treatment 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 second quarter of 2010, the pre-treatment system treated and discharged 2,302,050 gallons of leachate to the WWTP. The table below summarizes the flow data for the quarter.

	Apr-10	May-10	Jun-10	Quarter Summary
Total Flow (Gallons)	**869,320**	**786,860**	**645,870**	**2,302,050**
Average Flow (GPM)	**21.4**	**17.9**	**16.5**	**18.6**
Average Daily Flow (GPD)	**30,882**	**25,802**	**23,696**	**26,798**
Maximum Daily Flow (GPD)	**35,496**	**32,000**	**31,150**	**35,496**
Number of days in service	**30**	**31**	**30**	**91**
Percent of time in service	**93.83%**	**98.37%**	**90.86%**	**94.40%**

Pumping to the pre-treatment plant was paused for oil-water separator (OWS) and coalescer desludging and maintenance, carbon absorber backwashing, and high differential pressure during bag filter replacement, these are necessary maintenance items. The system has been operating with the spare carbon absorber since February 23rd, while both absorbers are scheduled to be replaced. Flow to the pre-treatment facility was halted for 28.2 hours, on April 15th and 16th to change-out the carbon in standby absorber; this included preparation, soaking and backwash operations. Additional down time was encountered in April due to high differential pressure at the transfer filters caused by unusually high solids in the influent, and for 0.7 hours due to a discharge suction tank level malfunction. The leachate pre-treatment facility was down for a total of 122 hours or 5.6 percent of the total operational time. There was no untreated leachate discharge or offsite migration.

During this period, 3,250 pounds of citric acid were added, at a dosage of 169.3 mg/L, to adjust the influent pH and enhance treatment. On May 13th, a citric acid delivery was received. The citric acid feed is on automatic mode.

The filter bags on the newly installed filter at the influent to the Oil-Water Separator Tank were replaced thirteen times, three times with 200 mc bags, five times with 300 mc bags and five times with 400 mc bags. The OWS was desludged and washed, and the coalescers were removed and thoroughly cleaned, on April 12th, May 12th and June 28th. 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-eight 50 mc and thirty 100 mc filter bags were used at the transfer filter station.

While arrangements are being made to replace both carbon absorber tanks, the plant is operating with the standby absorber. The absorber in service was backwashed in April, on the 2nd, 6th, 12th, 14th, and on the 15th, before the carbon change-out. The carbon was replaced on April 16th, it was soaked for a couple of hours, the fines backwashed and the tank was returned to service on the 16th at 3 pm. The tank was again backwashed on April 26th, May 4th, 12th, 19th, 24th, June 1st, 4th,

7th, 14th, 17th, 18th, 23rd, 24th, 28th and 30th. The effluent twin filters were replaced nine times with eighteen 25 mc filter bags.

Inspection and monitoring of the groundwater/leachate pre-treatment system was conducted following the O&M Manual procedures. Daily Operations, bi-weekly (GWL-1), monthly (GWL-2), quarterly (GWL-3), semi-annual (GWL-4) and annual/3 year (GWL-5) inspections were performed. Another form, DP-1, "Description of Deficiencies and Problems," is used to highlight specific problems requiring timely attention. The only deficiencies noted at the end of the quarter were intermittent electrical problems with the pH meter, Discharge Suction Tank level sensor malfunction, and the leaks in the Carbon Absorber Tanks, PV-301 and PV-302. NYCDEP is working to replace both carbon absorbers. Copies of the inspection reports are attached in Appendix A for this reporting period.

The M-1 pre-treatment 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 April 20th and 21st, May 11th and June 4th. Appendix B contains the results of the laboratory analyses.

The Self Monitoring Report was submitted to the NYCDEP Industrial Pre-treatment & 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. The samples are collected at the same time as 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. Pre-treatment facility influent samples were collected on June 9th. 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 sample collected was analyzed for metals, leachate parameters, volatile and semi-volatile organic 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 pre-treatment 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 that follows.

Parameters Detected	Unit of Measure	IWD Permit Discharge Limit(s)	NYSDEC Saline SW Standard(s)	Standard Type	**Sample Results 6/9/2010**
Chromium, total	mg/L	5.0*	0.0054*	A(C)	0.005
Copper	mg/L	5	0.0034 or 0.0048	A(C) or A(A)	**0.07**
Nickel	mg/L	3	0.0082 or 0.074	A(C) or A(A)	**0.01**
Zinc	mg/L	5	0.066	A(C)	**0.1**
BOD	mg/L	--	--		130
Chloride	mg/L	--	--		3,800
Nitrogen	mg/L	--	--		72
TSS	mg/L	350	--		24
TKN	mg/L	--	--		72
pH	SU	5.0 - 11.0	--		6.65
Benzene	ug/L	134 or 57**	190 or 670	A(C) or A(A)	6
Chlorobenzene	ug/L	--	5_{GV}	A(C)	**37**
Ethylbenzene	ug/L	380 or 142**	4.5 or 41	A(C) or A(A)	2
Bis(2-ethylhexyl) Phthalate	ug/L	--	--		6.7
Di-n-butyl Phthalate	ug/L	--	--		1.2

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 concentration of each detected parameter in the pre-treatment system influent sample is lower than its respective IWD permit discharge limit. This finding indicates that during this period, the facility influent met the pre-treatment system IWD permit discharge limits prior to treatment. In addition, only three parameters (copper, nickel and zinc) were detected at concentrations higher than their respective saline surface-water standard and one parameter (chlorobenzene) was above its saline surface-water guidance value. 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 pre-treatment 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 auto-dialer 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 (EW wells) were inspected and monitored for gas content (percent CH_4, CO_2 and O_2), temperature and vacuum pressure each month. 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. These condensate drain lines 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 1,040 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 83 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 April 15th, 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, 127,600 SCF of natural gas was used to supplement the landfill gas supply to the flare. The supplemental natural gas valve was closed on May 7th, due to the warmer weather. The flare support system includes a purge air blower, two manual and two automatic dampers, temperature control with three thermocouples. The flare operation is on automatic control using the bottom thermocouple at a target temperature of 1,500 ^{o}F. Normally, control is with the middle thermocouple; however, the power failure of March 31st produced a surge that damaged the middle thermocouple. Arrangements are being made to repair or replace the damaged unit.

During this second quarter of 2010, the landfill gas flaring system processed 10,844,719 scf of landfill gas. A flow interruption took place on April 25th (severe weather tripped the fire alarm and the flare was down for 7.5 hours), this constituted the total down time for the three month period of 7.5 hours. The flare was in service for 99.7 percent of the time during this quarter. Flow data is summarized in the table that follows.

Month	Landfill Gas Flow (Standard Cubic Feet)
April 2010	3,469,393
May 2010	3,815,286
June 2010	3,560,040
Total	**10,844,719**

Bi-weekly (LFG-2) and quarterly (LFG-4) inspections were conducted, and copies are included in Appendix C. The only deficiency encountered at the flare and blower station during scheduled inspections was the malfunctioning middle thermocouple. The landfill gas flare flow meter readings continue to remain in range.

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.

Most erosion deficiencies are associated with nature trail drainage and this is an ongoing maintenance and repair project. Previous repairs to the erosion in Zone 12 have not proven effective and interim repairs are being scheduled for this fall during the next planting season. A permanent repair plan will be developed by the NYCDEP and their consultant.

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 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 April 26th, 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. Repairs commenced this quarter and are scheduled to be completed at beginning of July.

Perimeter fence holes are repaired after the monthly inspection. Trees infringing on the perimeter fence will be cut and removed this summer. 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 second quarter of 2010 represented the fifth post-closure monitoring event. On June 7th, 8th, 9th, and 10th, samples were collected from the ten groundwater monitoring wells (see Figure 5). The synoptic water-level readings were taken on June 11th and are summarized in Appendix E.

The results of the second 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 organic and semi-volatile organic 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 groundwater elevations synoptic, the sample collection field logs, the tabulated summary of laboratory results, the laboratory 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 June 14th. 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 0.1% at GMW-04. Methane detections within the groundwater/leachate pre-treatment facility building were 0.0% throughout the facility and above the open Oil Water Separator Tank as shown in Table 6. These readings were taken on April 20th, May 11th, and June 3rd. 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 April 20th and 21st, May 11th, and June 4th. 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. Finalize the contractual and procedural issues to replace the carbon adsorption tanks. 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. In general, it is 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

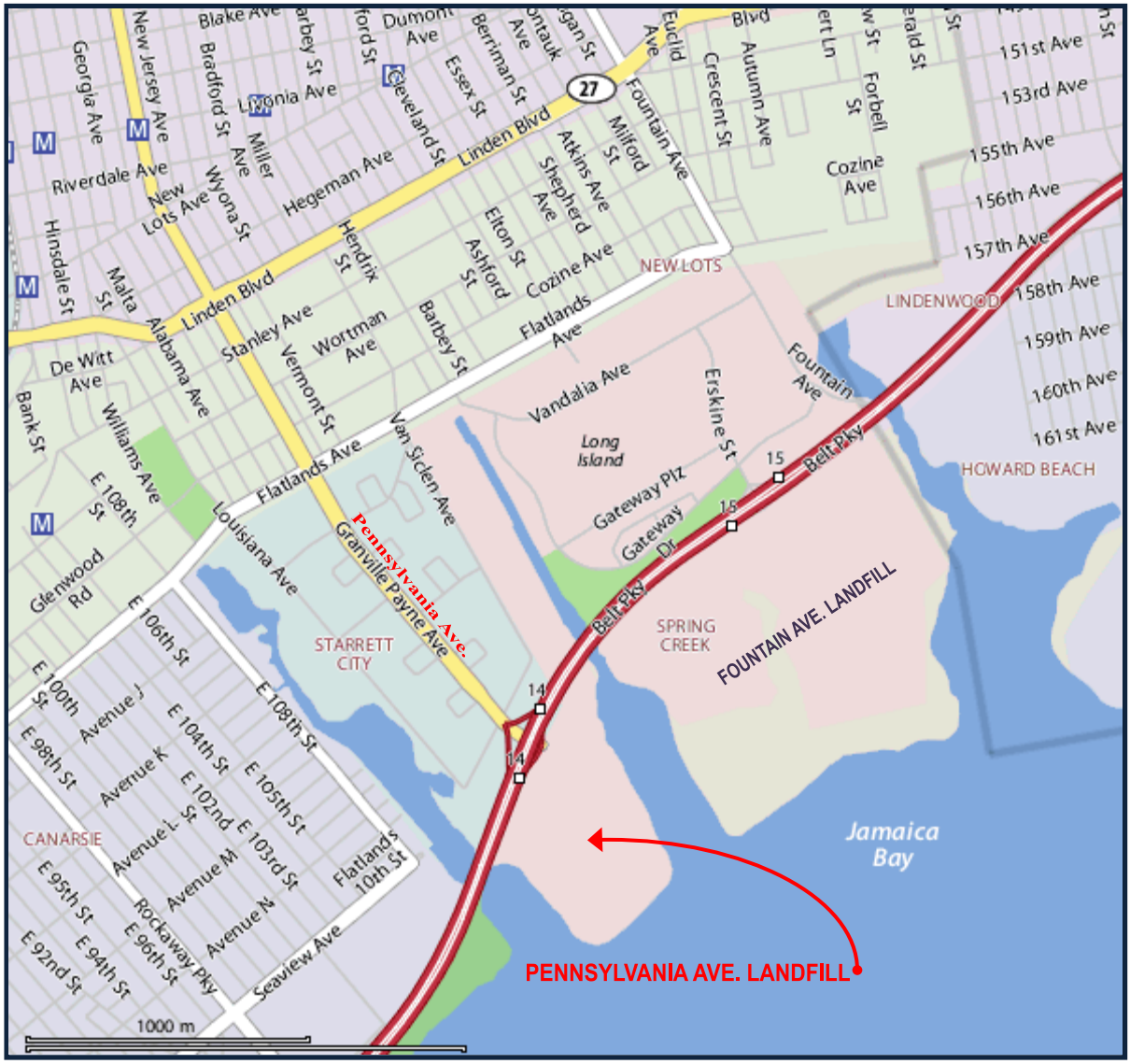

FIGURE 1
SITE LOCATION MAP

Figure 2 – Pre-treatment System Schematic

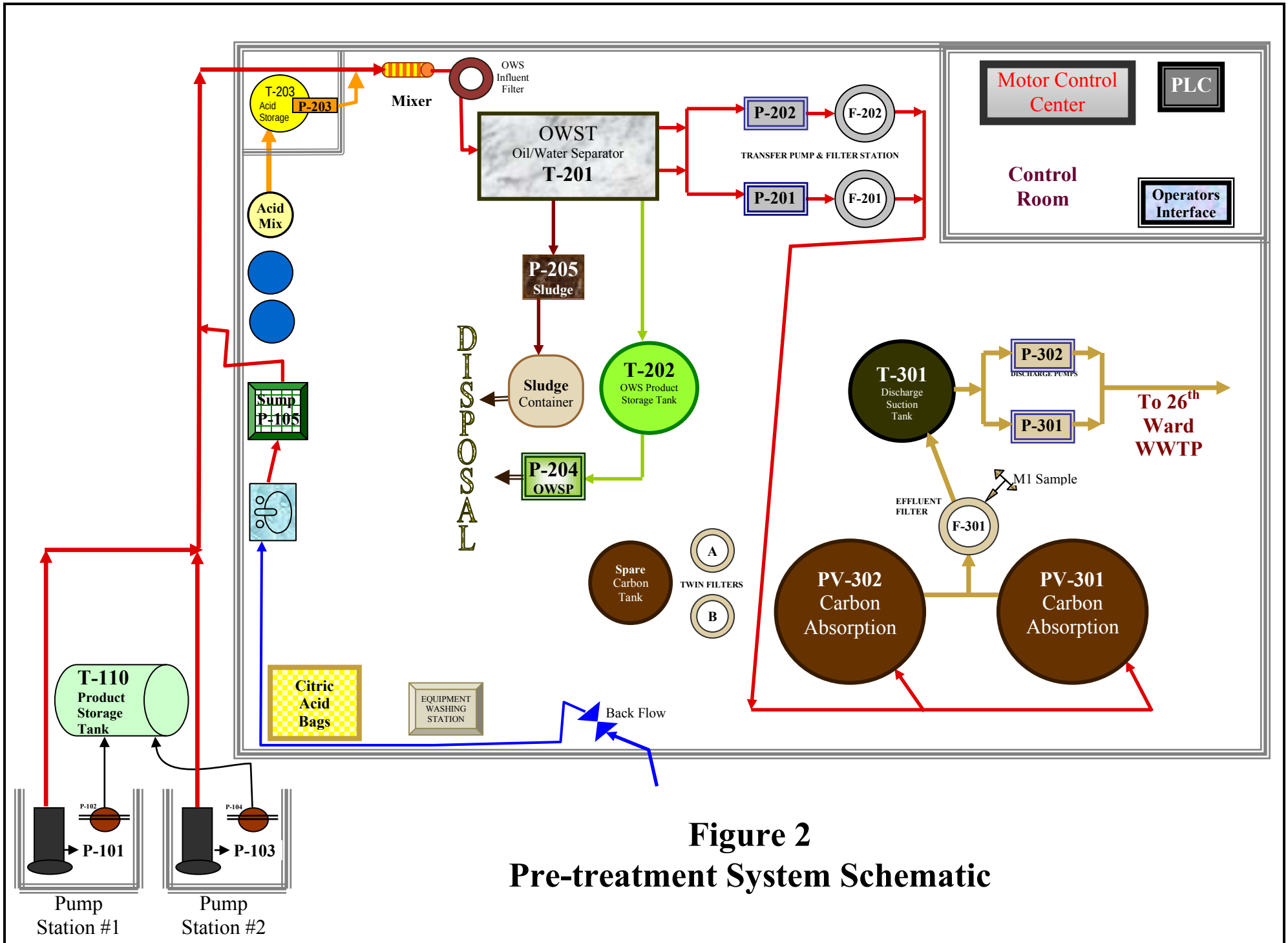

Figure 2
Pre-treatment System Schematic

Figure 3 – Gas System Schematic

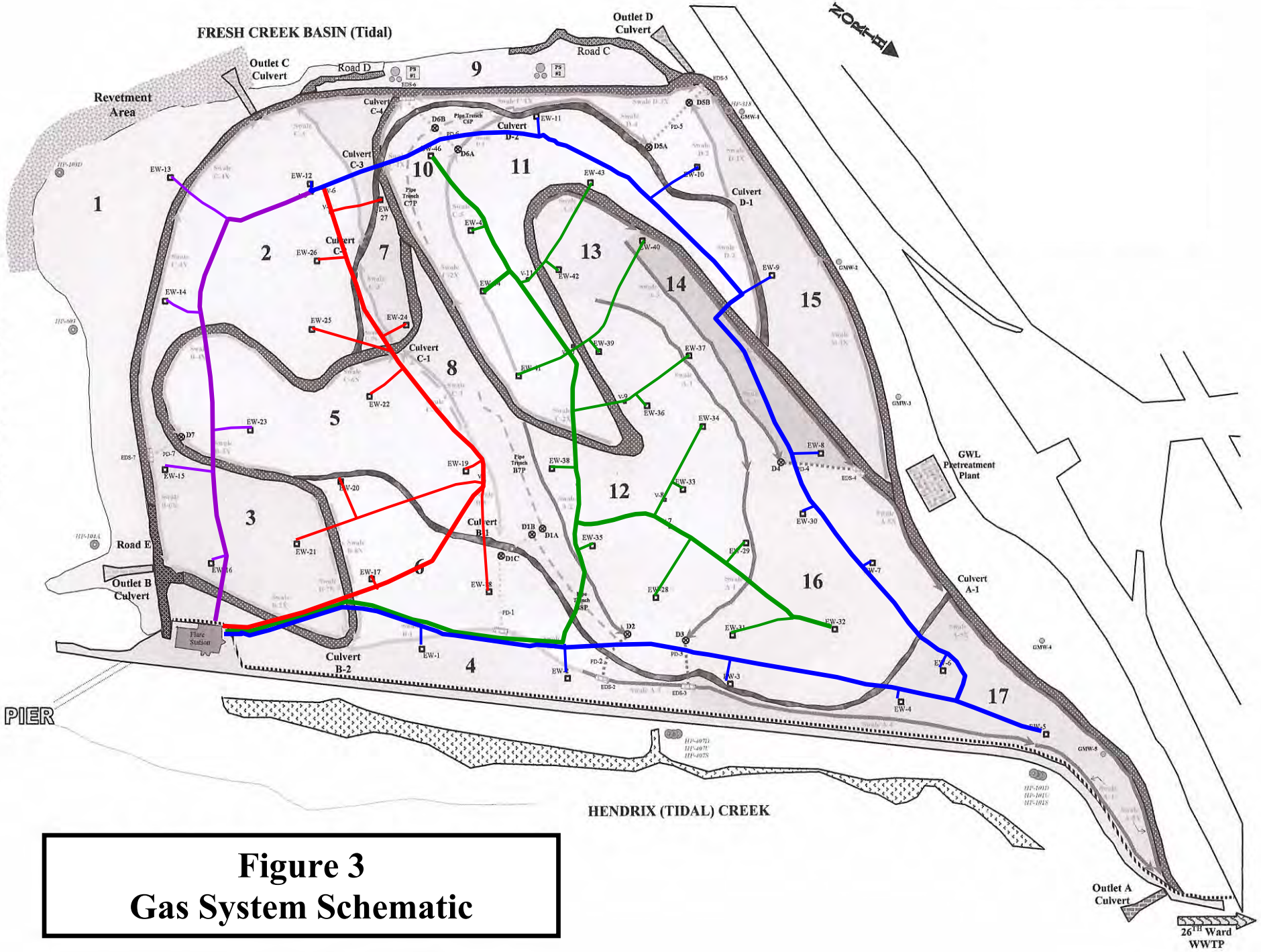

Figure 3
Gas System Schematic

Figure 4 – Landfill Cover Inspection Zones

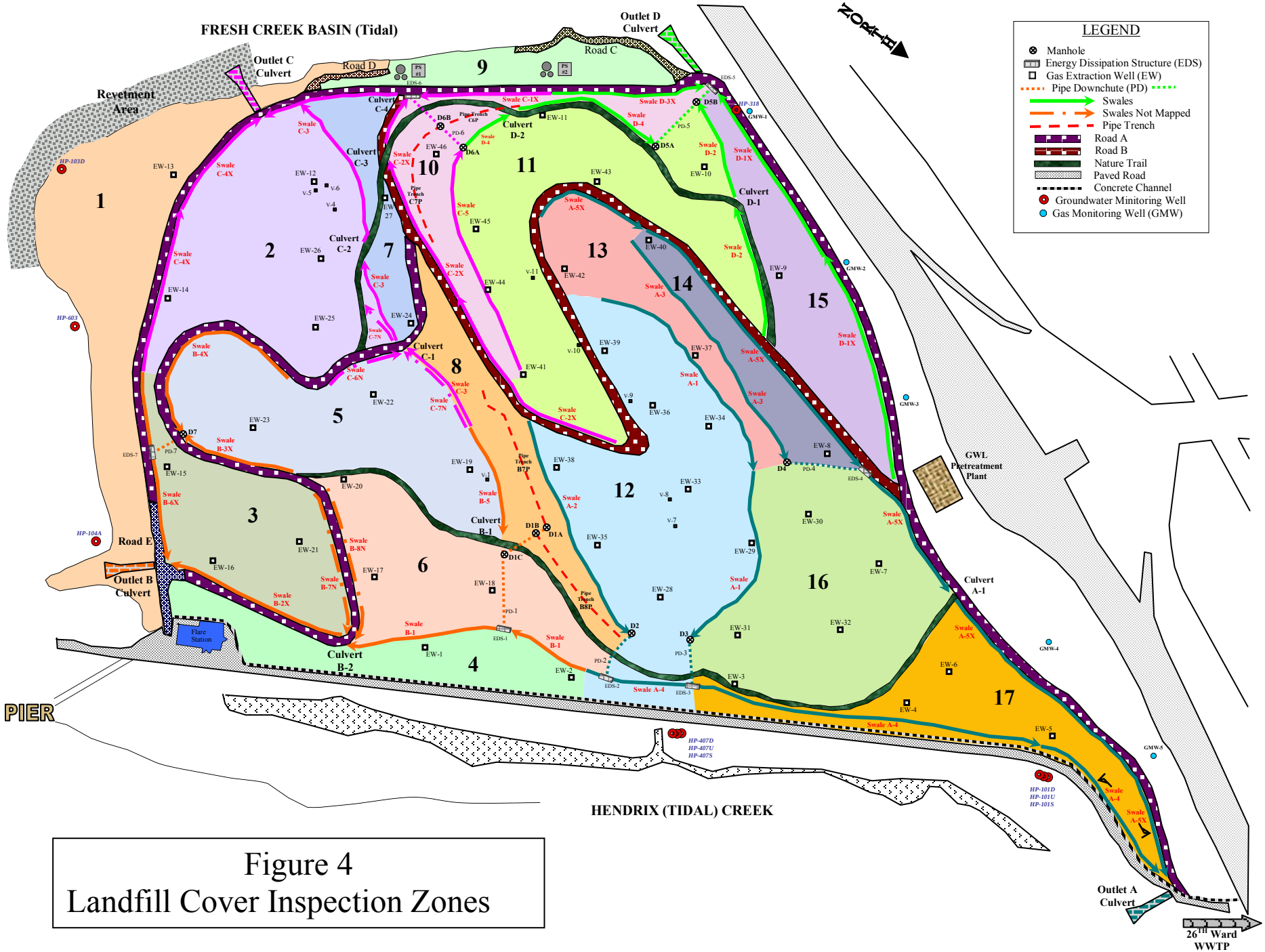

Figure 4
Landfill Cover Inspection Zones

Figure 5 – Groundwater Monitoring Wells

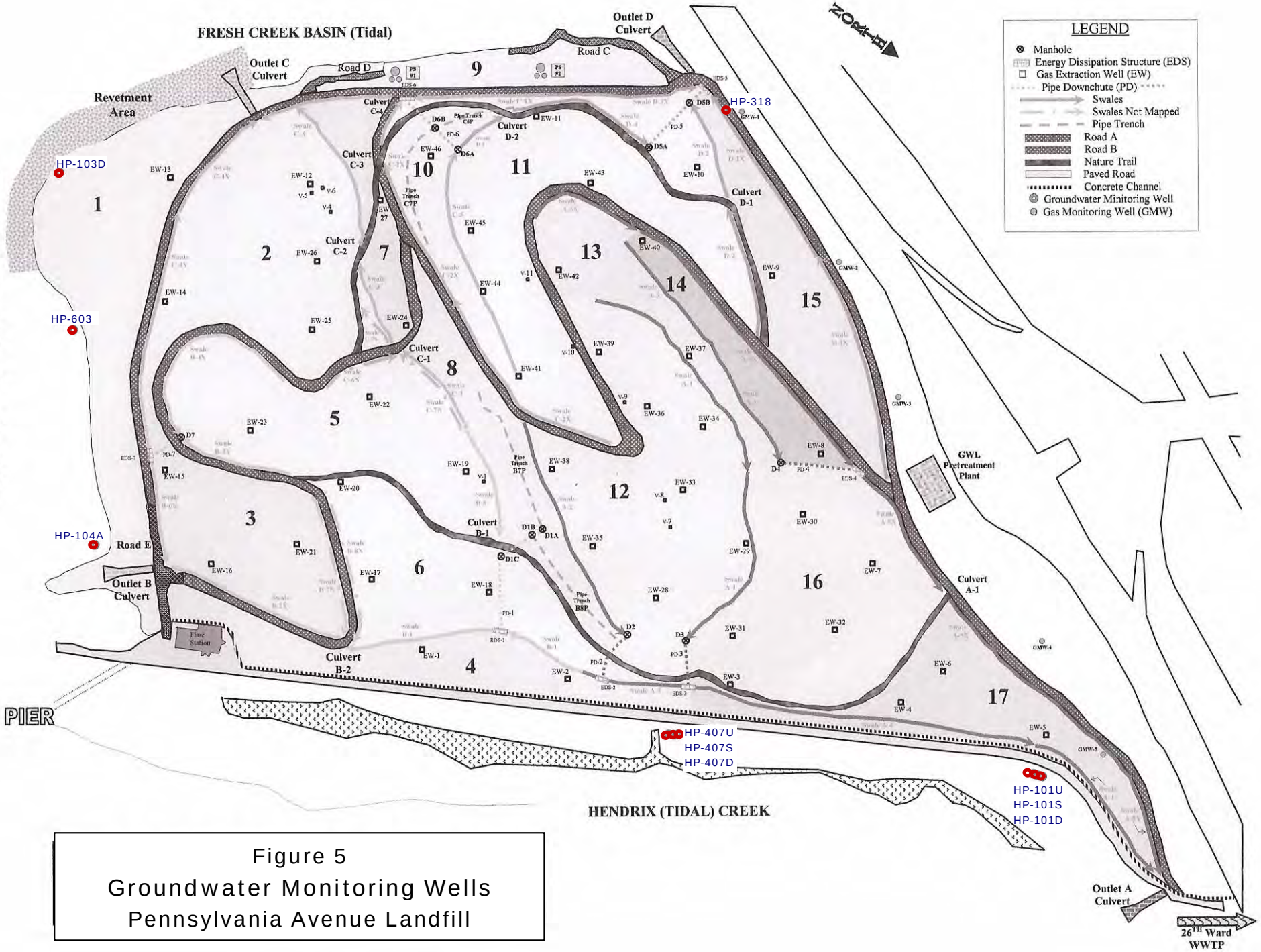

Figure 5
Groundwater Monitoring Wells
Pennsylvania Avenue Landfill

Figure 6 – Perimeter Gas Wells

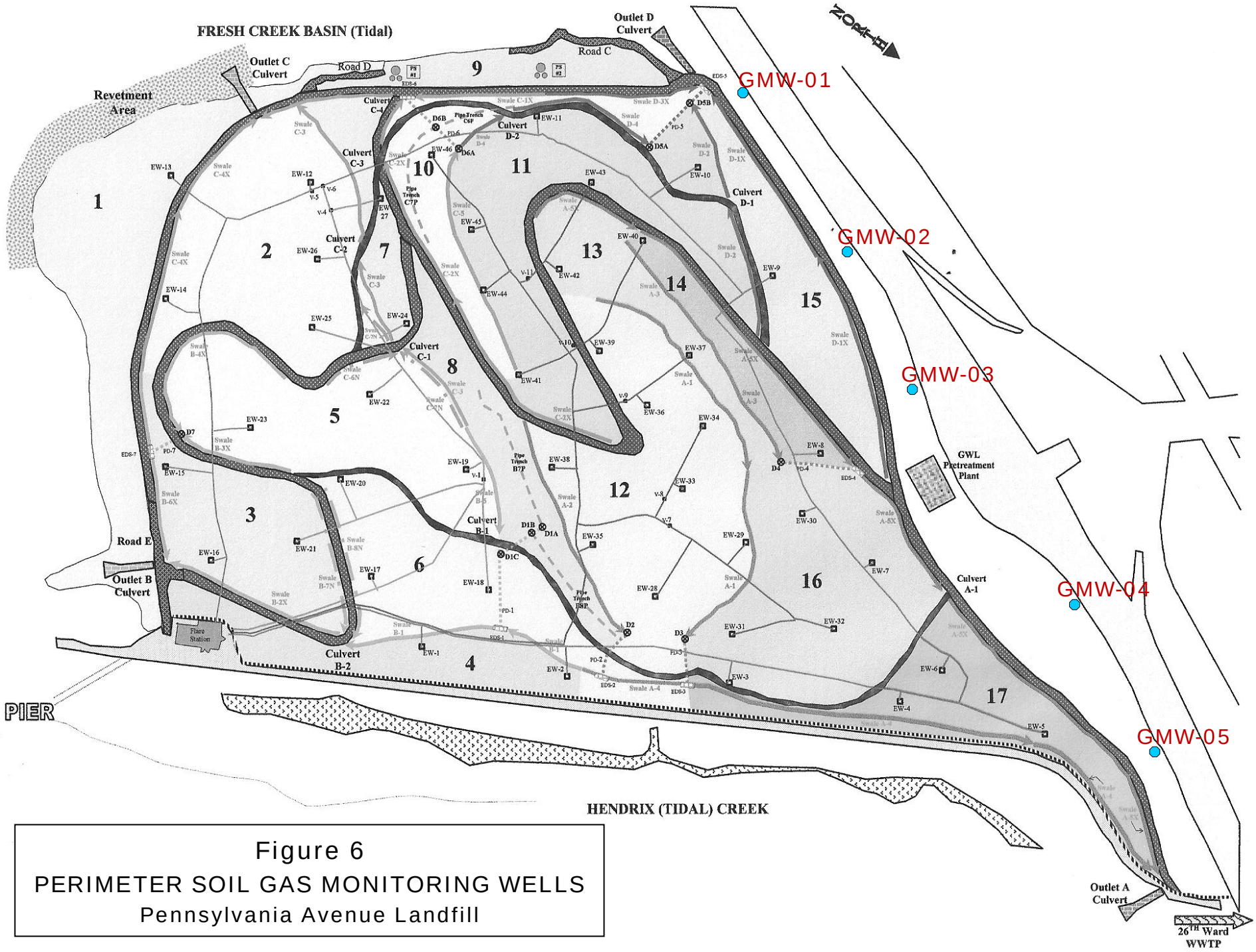

Figure 6

PERIMETER SOIL GAS MONITORING WELLS

Pennsylvania Avenue Landfill

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	2Q10	2Q10	2Q10	2Q10
Benzene	ug/L	**1**	<1	**2**	<1	<1	<1
Carbon disulfide	ug/L	**60**	<1	<1	<1	<1	<1
Chlorobenzene	ug/L	**5**	**7**	4	3	**9**	2
1,4 Dichlorobenzene	ug/L	**3**	<1	<1	<1	<1	<1
Isopropylbenzene	ug/L	**5**	NA	NA	NA	NA	NA
MTBE	ug/L	**10**	NA	NA	NA	NA	NA
Toluene	ug/L	**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-407-D	HP-103-D
			2Q10	2Q10	2Q10	2Q10	2Q10
Benzene	ug/L	**1**	<1	<1	<1	<1	<1
Carbon disulfide	ug/L	**60**	<1	<1	<1	<1	<1
Chlorobenzene	ug/L	**5**	<1	<1	<1	<1	<1
1,4 Dichlorobenzene	ug/L	**3**	<1	<1	<1	<1	<1
Isopropylbenzene	ug/L	**5**	NA	NA	NA	NA	NA
MTBE	ug/L	**10**	NA	NA	NA	NA	NA
Toluene	ug/L	**5**	<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

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	2Q10	2Q10	2Q10	2Q10
Acenaphthene	ug/L	**20 (GV)**	<1	R	<1	8.2	<1
Bis(2-ethylhexyl)phthalate	ug/L	**5**	<1.5	R	<2.1	<1.1	<1.2
Di-n-Butyl Phthalate	ug/L	**50**	<1	R	<1	<1	<1
Dibenzofuran	ug/L	******	<1	R	<1	2.9	<1
Fluorene	ug/L	**50 (GV)**	<1	R	<1	1.5	<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-407-D	HP-103-D
			2Q10	2Q10	2Q10	2Q10	2Q10
Acenaphthene	ug/L	**20 (GV)**	<1	<1	<1	<1	<1
Bis(2-ethylhexyl)phthalate	ug/L	**5**	<1.7	<2.4	<2.2	<9.8	<2.2
Di-n-Butyl Phthalate	ug/L	**50**	<1	<1	<1	<1	<1
Dibenzofuran	ug/L	******	<1	<1	<1	<1	<1
Fluorene	ug/L	**50 (GV)**	<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 saline groundwater.

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.

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

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	2Q10	2Q10	2Q10	2Q10
Alkalinity	mg/L	**No Std.**	500	1,400	650	130	200
Ammonia	mg/L	**2**	**7.4**	**90**	**4.0**	**21**	**2.2**
Chloride	mg/L	**250**	**1,100**	**370**	84	**430**	76
Hardness	mg/L	**No Std.**	390	720	660	350	470
Nitrate	mg/L	**10**	<0.5	<0.5	<0.5	<0.5	<0.5
Sulfate	mg/L	**250**	110	30	63	20	**290**
Tot. Dissolved Solids	mg/L	**1,000**	**2,200**	**1,800**	930	**1,100**	800
Tot. Kjeldahl N.	mg/L	**No Std.**	8.4	94	5.4	22	2.8

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-407-D	HP-103-D
			2Q10	2Q10	2Q10	2Q10	2Q10
Alkalinity	mg/L	**No Std.**	840	800	730	240	210
Ammonia	mg/L	**2**	**4.6**	**10**	**15**	2.0	**5.4**
Chloride	mg/L	**250**	**2,800**	**8,100**	**26,000**	**10,000**	**17,000**
Hardness	mg/L	**No Std.**	560	2,500	2,300	3,000	4,700
Nitrate	mg/L	**10**	<0.5	<0.5	<0.5	<0.5	<0.5
Sulfate	mg/L	**250**	13	**750**	**1,000**	**1,300**	**2,100**
Tot Dissolved Solids	mg/L	**1,000**	**4,900**	**14,000**	**40,000**	**18,000**	**29,000**
Tot. Kjeldahl N.	mg/L	**No Std.**	5.6	12	16	2.8	6.0

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

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

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	2Q10	2Q10	2Q10	2Q10
Aluminum	mg/L	**No Std.**	<0.05	<0.05	<0.05	<0.05	<0.05
Antimony	mg/L	**0.003**	<0.05	<0.05	<0.05	<0.05	<0.05
Arsenic	mg/L	**0.025**	<0.025	<0.025	<0.025	<0.025	<0.025
Barium	mg/L	**1**	0.1	0.91	0.22	0.032	0.037
Boron	mg/L	**1**	NA	NA	NA	NA	NA
Calcium	mg/L	**No Std.**	120	100	190	91	150
Chromium	mg/L	**0.05**	<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
Copper	mg/L	**0.2**	<0.05	<0.05	<0.05	<0.05	<0.05
Iron	mg/L	**0.3**	**24**	**1.4**	**2.0**	**5.6**	**6.3**
Lead	mg/L	**0.025**	<0.025	<0.025	<0.025	<0.025	<0.025
Magnesium	mg/L	**35 (GV)**	23	**110**	**45**	29	24
Manganese	mg/L	**0.3**	**0.59**	**0.4**	**0.61**	0.18	**0.44**
Mercury	mg/L	**0.0007**	<0.001	<0.001	<0.001	<0.001	<0.001
Nickel	mg/L	**0.1**	<0.05	<0.05	<0.05	<0.05	<0.05
Potassium	mg/L	**No Std.**	20	61	16	29	9.5
Sodium	mg/L	**20**	**610**	**310**	**68**	**240**	**63**
Vanadium	mg/L	**No Std.**	<0.025	<0.025	<0.025	<0.025	<0.025
Zinc	mg/L	**2 (GV)**	0.14	<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-407-D	HP-103-D
			2Q10	2Q10	2Q10	2Q10	2Q10
Aluminum	mg/L	**No Std.**	<0.05	<0.05	<0.05	<0.05	0.1
Antimony	mg/L	**0.003**	<0.05	<0.05	<0.05	<0.05	<0.05
Arsenic	mg/L	**0.025**	<0.025	<0.025	<0.025	<0.025	<0.025
Barium	mg/L	**1**	0.049	0.16	0.13	0.058	0.1
Boron	mg/L	**1**	NA	NA	NA	NA	NA
Calcium	mg/L	**No Std.**	52	220	240	260	330
Chromium	mg/L	**0.05**	<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
Copper	mg/L	**0.2**	<0.05	<0.05	<0.05	<0.05	<0.05
Iron	mg/L	**0.3**	**0.82**	**12**	**9.5**	**25**	**5.5**
Lead	mg/L	**0.025**	<0.025	<0.025	<0.025	<0.025	<0.025
Magnesium	mg/L	**35 (GV)**	**110**	**480**	**420**	**580**	**940**
Manganese	mg/L	**0.3**	0.05	**0.52**	0.28	**0.87**	**1.4**
Mercury	mg/L	**0.0007**	<0.001	<0.001	<0.001	<0.001	<0.001
Nickel	mg/L	**0.1**	<0.05	<0.05	<0.05	<0.05	<0.05
Potassium	mg/L	**No Std.**	87	240	240	280	400
Sodium	mg/L	**20**	**1,600**	**3,800**	**13,000**	**4,800**	**8,200**
Vanadium	mg/L	**No Std.**	<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

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

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
	Carbon Dioxide (% by volume)				
2Q10	2.3	3.1	3.3	9.1	2.7
	Oxygen (% by volume)				
2Q10	18.2	17.7	17.6	2.2	18.3

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

Appendix A – GWL Inspection Forms

- Flow Reports
- GWL Daily Operations Reports
- GWL-1 Biweekly Inspections
- GWL-2 Monthly Inspections
- GWL-3 Quarterly Inspection
- GWL-4 Semi-Annual Inspection

Pennsylvania Avenue Landfill

Industrial Wastewater Discharge Permit No. 07-P3145-2

Groundwater Leachate Pretreatment

Flow Reports

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

MONTH: April 2010

	Time of Reading	10 Gallon Counter Readings	Flow (gallons)		Hrs. i/s
1	7:29	7,731,577	34,230		24
2	7:00	7,735,000	34,017	(1) (2)	23
3			35,496	(1)	24
4			35,496	(1)	24
5	7:05	7,745,501	33,350		24
6	7:34	7,748,836	33,050	(2)	23
7	6:55	7,752,141	28,500	(7)	23.3
8	6:29	7,754,991	25,510		24
9	7:42	7,757,542	24,317	(1) (3)(2)	19
10			30,716	(1)	24
11			30,716	(1)	24
12	6:55	7,766,117	27,770	(2) (6)	19
13	7:23	7,768,894	28,620		24
14	7:34	7,771,756	29,800	(2)	21.5
15	7:05	7,774,736	9,690	(2) (5)	4
16	3:10	7,775,705	19,218	(1) (5) (2)	15.8
17			29,191	(1)	24
18			29,191	(1)	24
19	7:17	7,783,465	27,950		24
20	7:17	7,786,260	28,510	(4)	24
21	7:14	7,730,167	28,080		24
22	7:11	7,732,975	28,940		24
23	7:02	7,735,869	27,350	(1)	24
24			27,350	(1)	24
25			27,350	(1)	24
26	7:09	7,744,074	30,760	(2)	23
27	7:10	7,747,150	32,500		24
28	7:17	7,750,400	32,020		24
29	7:14	7,753,602	30,810		24
30	7:13	7,756,683	28,820	(1)	24
3-May	7:15	7,765,329			

No. of Days in Operation
28.2

Total Flow (gallons)
869,320

Average Daily Flow (gallons)
30,882

Maximum Daily Flow (gallons)
35,496

(1) Estimated flow for weekends (readings not taken).

(2) Plant out of service for one hour to backwash the carbon tank (two hours on April 14th and 15th).

(3) Plant out of service at 3 AM due to high transfer filter differential pressure. Changed filters and backwashed before placing system back on line.

(4) Estimated flow due to flow totalizer reset.

(5) On April 15th, the carbon tank was backwashed for two hours. The plant was returned to service, and was shut down again at 1:30 PM to prepare for the carbon change-out. On, the 16th, the carbon was replaced, it was backwashed to remove fines from the new cabon, and the system was returned to service at 3 PM.

(6) Cleaning of oil water separator and coalescers

(7) Plant out of service for 0.7 hrs with discharge suction tank high alarm due to level sensor malfunction. Repairs made and system was returned to service.

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

MONTH: **May 2010**

	Time of Reading	10 Gallon Counter Readings	Flow (gallons)		Hrs. i/s
30-Apr	7:13	7,756,683			
1			28,820	(1)	24
2			28,820	(1)	24
3	7:15 AM	7,765,329	29,590		24
4	7:12 AM	7,768,288	29,720	(2)	22.5
5	7:23 AM	7,771,260	27,670		24
6	7:09 AM	7,774,027	25,600		24
7	6:53 AM	7,776,587	26,200	(1),(3)	23.8
8			26,200	(1)	24
9			26,200	(1)	24
10	7:17 AM	7,784,447	29,680		24
11	7:00 AM	7,787,415	24,310		24
12	7:07 AM	7,789,846	16,580	(4)	18.2
13	7:05 AM	7,791,504	32,000	(1),(3)	23.5
14	7:45 AM	7,794,704	25,570	(1)	24
15			25,570	(1)	24
16			25,570	(1)	24
17	7:07 AM	7,802,375	25,760		24
18	7:08 AM	7,804,951	26,590		24
19	7:00 AM	7,807,610	26,620	(2)	22
20	7:14 AM	7,810,272	24,510		24
21	7:01 AM	7,812,723	23,983	(1)	24
22			23,983	(1)	24
23			23,983	(1)	24
24	7:19 AM	7,819,918	24,220	(2)	21.9
25	7:03 AM	7,822,340	23,550		24
26	6:45 AM	7,824,695	24,980		24
27	7:18 AM	7,827,193	23,820		24
28	6:45 AM	7,829,575	21,690	(1)	24
29			21,690	(1)	24
30			21,690	(1)	24
31			21,690	(1)	24
1-Jun	7:18 AM	7,838,251			

No. of Days in Operation
30.5

Total Flow (gallons)
786,860

Average Daily Flow (gallons)
25,802

Maximum Daily Flow (gallons)
32,000

(1) Estimated flow for weekends and holidays (readings not taken)
(2) Plant off line to backwash carbon absorber.
(3) Plant down due to high differential presure during filter change.
(4) Plant off line from 8:30 to 14:15 for OWST cleaning, carbon absorber backwashing and filter change.

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

MONTH: **June 2010**

	Time of Reading	10 Gallon Counter Readings	Flow (gallons)		Hrs. i/s
1	7:18	7,838,251	**26,900**	(2,3)	18
2	7:09	7,840,941	**26,570**		24
3	7:29	7,843,598	**23,890**		24
4	7:02	7,845,987	**22,506**	(1) (3)	22
5			**24,552**	(1)	24
6			**24,552**	(1)	24
7	6:59	7,853,148	**22,640**	(2,3)	18.5
8	7:01	7,855,412	**22,790**		24
9	7:22	7,857,691	**23,080**		24
10	7:12	7,859,999	**22,340**		24
11	7:04	7,862,233	**23,060**	(1)	24
12			**23,060**	(1)	24
13			**23,060**	(1)	24
14	7:07	7,869,151	**24,280**	(3)	22
15	6:59	7,871,579	**23,650**	(5)	23.7
16	6:56	7,873,944	**20,940**		24
17	7:06	7,876,038	**13,220**	(2,3)	22
18	7:09	7,877,360	**15,723**	(1) (2,3)	21
19			**17,969**	(1)	24
20			**6,738**	(1) (2)	9
21	6:50	7,881,403	**7,180**	(2)	23.5
22	6:52	7,882,121	**18,630**		24
23	7:04	7,883,984	**23,850**	(2)	22.5
24	6:59	7,886,369	**28,130**	(3)	23
25	7:54	7,889,182	**24,396**	(1)	24
26			**24,396**	(1)	24
27			**6,099**	(1) (2)	6
28	7:11	7,894,671	**31,150**	(2,3,4)	16.5
29	7:14	7,897,786	**26,180**		24
30	7:04	7,900,404	**24,340**	(3)	22.5
1-Jul	7:15	7,902,838			

No. of Days in Operation
27.3

Total Flow (gallons)
645,870

Average Daily Flow (gallons)
23,696

Maximum Daily Flow (gallons)
31,150

(1) Estimated flow for weekends (readings not taken).
(2) Plant out of service due to high filter differential pressure
(3) Plant out of service to backwash the carbon absorber tank
(4) Plant out of service for OWST and coalescer cleaning and desludging
(5) Plant removed from service to replace the effluent twin filters

Pennsylvania Avenue Landfill

GWL Daily Operations Reports

(April, May and June 2010)

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

Date		Hours On Line	System		Tank Levels		Computer Control		Citric Acid Addition (50 Lb. batches)	Transfer Filter (F-201 & F-202) Change	BACKWASH	Remarks
			Normal	Not Normal	Normal	Not Normal	Normal	Not Normal				
Thursday	1-Apr	24	x		x		x		1			April 1, plant warehouse and equipment housekeeping, washed floor.
Friday	2-Apr	23	x		x		x		1	100 mc	X	Backwashed the carbon tank
Weekend	3-Apr	24										
	4-Apr	24										
Monday	5-Apr	24		x		x	x		3	50 mc		April 5, found acid feed off due to low tank level. Calibrated the pH probe and made adjustments to the automatic acid feed system.
Tuesday	6-Apr	23	x		x		x		2		X	April 6, Backwashed the carbon tank and changed the twin filter bags (25 mc)
Wednesday	7-Apr	23.3	x		x		x		1	50 mc		April 7, the plant tripped with a discharge suction tank high level alarm. Removed cleaned and pm'ed the level sensor and returned the system to service, out for 0.7 hour. DST level sensor had been operating erratically since the power outage and surge of March 31st. A work order for a surge protector has been issued.
Thursday	8-Apr	24	x		x		x		3			
Friday	9-Apr	19		x		x	x		2	100 mc	X	April 9, plant out of service at 3 AM due to high differential pressure at the transfer filters. Changed the filters, backwashed the carbon tank and returned the system to service by 8 AM. Plant housekeeping, washed floor.
Weekend	10-Apr	24										
	11-Apr	24										
Monday	12-Apr	19		x		x	x		4	50 mc	X	April 12, found acid storage tank almost empty. Plant out of service for five hours for backwash, **oil water separator and coalescer cleaning** and twin filter cleaning and replacement (25 mc). Warehouse and equipment housekeping.
Tuesday	13-Apr	24	x		x		x		1			
Wednesday	14-Apr	21.5		x	x		x		2	50 mc	X	April 14, backwashed the carbon absorber again; differential pressure high even after backwashing.
Thursday	15-Apr	4		x	x		x		2		X	April 15, had to backwash the carbon tank again upon arrival. Received call to drain the tank in prep for cabon change. Removed the plant from service at 1:30 PM and started draining the absorber. Set up for carbon change.

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

Date		Hours On Line	System		Tank Levels		Computer Control		Citric Acid Addition (50 Lb. batches)	Transfer Filter (F-201 & F-202) Change	BACKWASH	Remarks
			Normal	**Not** Normal	Normal	**Not** Normal	Normal	**Not** Normal				
Friday	16-Apr	15.8		x		x	x			100 mc	**X**	April 16, **Carbon Change-Out**. Process difficult because the temporry carbon tank does not have a bottom discharge and the drain is too small. After carbon was replaced, backwashed the fines, changed the twin filters with 25 mc bags, and returned the system to service by 3 PM.
Weekend	17-Apr	24										
	18-Apr	24										
Monday	19-Apr	24	x			x	x		4			Replaced the filter bag in the new filter at the influent to the oil water separator tank (200 mc).
Tuesday	20-Apr	24	x		x		x		2	50 mc		April 20, collecting M1 effluent samples.
Wednesday	21-Apr	24	x		x		x		2			April 21, surge due to t-storm reset the flow totalizer. Estimated flow. Completed collecting the M1 effluent samples - delivered to lab.
Thursday	22-Apr	24	x		x		x		1			Pumped the water out of the valve chambers at Pump Stations 1 and 2, Conducted the GWL-2 monthly inspection.
Friday	23-Apr	24	x		x		x		1	100 mc		
Weekend	24-Apr	24										
	25-Apr	24										
Monday	26-Apr	23	x		x		x		2	50 mc	**X**	Backwashed the carbon tank
Tuesday	27-Apr	24	x		x		x			50 mc		
Wednesday	28-Apr	24	x		x		x		1			
Thursday	29-Apr	24	x		x		x					
Friday	30-Apr	24	x		x		x		1	100 mc		

PENNSYLVANIA AVENUE LANDFILL
GROUNDWATER LEACHATE DAILY OPERATIONS MONTHLY REPORT
Month: May 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				
Weekend	1-May	24										
	2-May	24										
Monday	3-May	24	x		x		x		1	50 mc		Replaced the Influent Filter with a 200 mc bag.
Tuesday	4-May	22.5	x		x		x		1		X	5/4 - Backwashed carbon absorber. Replaced the twin filters with 25 mc bags.
Wednesday	5-May	24	x		x		x			50 mc		
Thursday	6-May	24	x		x		x		1			
Friday	7-May	23.8	x		x		x			100 mc		5/7 - Plant off-line for 10 minutes due to HDP during transfer filter change. Replaced the Influent Filter with 200 mc bag.
Weekend	8-May	24										
	9-May	24										
Monday	10-May	24	x		x		x					
Tuesday	11-May	24	x		x		x			50 mc		5/11 - M1 effluent sample collection
Wednesday	12-May	18.2	x		x		x				X	5/12 - **Thorough cleaning of OWST and coalescers**. Backwashed carbon tank. Replaced the influent filters with 300 mc bags. Cleaned floor in plant.
Thursday	13-May	23.5		x		x	x		2	50 mc		5/13- Plant was off due to HDP at transfer filters. Received a citric acid delivery. Replaced Influent Filter with 300 mc bag.
Friday	14-May	24	x		x		x		1	100 mc		5/14 - IPP Section Inspection. A Commissioner's Order for CN analysis was issued, Jan. 2010 sample held beyond the14 day limit.
Weekend	15-May	24										
	16-May	24										
Monday	17-May	24		x	x		x		1	50 mc		5/17 - Acid feed was off. Checked circuits and made adjustments and the pump kicked on. Programmed phone numbers into the autodialer. Cleaned the operator's interface computer and control room. Replaced Influent Filter with 300 mc bag.
Tuesday	18-May	24	x		x		x		1			5/18 - Completed the GWL-2 monthly inspection.
Wednesday	19-May	22	x		x		x			50mc	X	5/19 - Backwashed the carbon absorber. Replaced the twin filters with 25 mc bags. Cleaned plant floor.

PENNSYLVANIA AVENUE LANDFILL
GROUNDWATER LEACHATE DAILY OPERATIONS MONTHLY REPORT
Month: May 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				
Thursday	20-May	24	x		x		x		1	50 mc		
Friday	21-May	24	x		x		x			100 mc		
Weekend	22-May	24										
	23-May	24										
Monday	24-May	21.9		x	x		x			50 mc	X	5/24 - Acid feed was reset. Replaced Influent filter with 400 mc bag and twin filters with 25 mc bag. Backwashed the carbon absorber.
Tuesday	25-May	24	x		x		x			50 mc		5/25 - collected grab samples for Commissioner's Order CN analysis.
Wednesday	26-May	24	x		x		x			50 mc		5/26 - Replaced Influent filter with 400 mc bag.
Thursday	27-May	24		x	x		x		3			5/27 - Citric acid feed off due to low level. Performed acid feed system maintenance and storage tank cleaning.
Friday	28-May	24	x		x		x			100 mc		5/28 - Replaced Influent Filter with 400 mc bag.
Weekend	29-May	24										
	30-May	24										
Monday	31-May	24										**HOLIDAY**

PENNSYLVANIA AVENUE LANDFILL
GROUNDWATER LEACHATE DAILY OPERATIONS MONTHLY REPORT
Month: JUNE 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	1-Jun	18		x		x	x		2	50 mc 50 mc 50 mc 100 mc (4 times)	X	Plant was down upon arrival. Replaced the transfer filters (50 mc), OWST inlet filter (400 mc), backwashed the carbon absorber, cleaned the in-line mixer, added 2 batches of citric acid, reset pump at P.S. #2 and returned the plant to service at 10 AM. At 1:15 PM, the transfer filter DP was high, changed the filters (50 mc). At 2 PM, the plant tripped due to HDP and had to replace the transfer filters (50 mc), also replaced the OWST inlet filter (300 mc) again. At 2:30 pm, the plant tripped out again, replaced the transfer filters (100 mc) and returned the plant to service. The transfer filters, F-201 and F-202 were replaced four times, and the OWST inlet was replaced twice.
Wednesday	2-Jun	24	x		x		x		1			Added one batch of citric acid. Operations review and training.
Thursday	3-Jun	24	x		x		x					**Collected the M1 plant effluent samples.**
Friday	4-Jun	22	x		x		x		1	100 mc	X	Completed collecting the M1 effluent samples, collected a **spent carbon sample** from the absorber, and delivered them to the lab. Backwashed carbon absorber. Changed the transfer filters (100 mc) and the twin effluent filters (25 mc). Added one batch of citric acid
Weekend	5-Jun	24										
	6-Jun	24										
Monday	7-Jun	18.5	x		x		x		2	50 mc	X	Performed thorough cleaning of the oil water separator, coalescers and plumbing. Backwashed the carbon absorber and replaced the transfer filters (50 mc). Plant was out of service for 5.5 hours, from 9:30 AM to 3 PM. Added two batches of citric acid.
Tuesday	8-Jun	24	x		x		x					**Collected the semi-annual plant influent samples.**
Wednesday	9-Jun	24	x		x		x		1	50 mc		Added one batch of citric acid. Completed the plant influent sample collection and delivered them to the lab with the groundwater samples.
Thursday	10-Jun	24	x		x		x					Replaced the twin effluent filters (25mc). Performed maintenance and cleaning of the sump and valves.
Friday	11-Jun	24	x		x		x		1	100 mc		Added one batch of citric acid. Changed the transfer filters (100mc)
Weekend	12-Jun	24										
	13-Jun	24										
Monday	14-Jun	22	x		x		x		2	50 mc	X	Added two batches of citric acid. Backwashed the carbon absorber. Replaced the transfer filters (50mc). Plant back on-line by 9:50 AM. NYCDEP-IPP on site collecting M1 samples.

PENNSYLVANIA AVENUE LANDFILL
GROUNDWATER LEACHATE DAILY OPERATIONS MONTHLY REPORT
Month: JUNE 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	15-Jun	23.7	x		x		x			50 mc		NYCDEP-IPP completed collecting the M1 samples. Plant taken out of service from 11:30 to 11:50 to replace the twin effluent filters (25mc). At 3 PM, changed the transfer filters (50 mc).
Wednesday	16-Jun	24	x		x		x		1			Added one batch of citric acid
Thursday	17-Jun	22		x		x	x			50 mc	X	Upon arrival found high level in the OWST and high DP at the carbon absorber. Backwashed the carbon absorber.
Friday	18-Jun	21		x		x	x			100 mc	X	Again the OWST level and the absorber DP were high. Backwashed the carbon absorber. Replaced the transfer filters (100 mc) and the twin filters (25 mc).
Weekend	19-Jun	24										
	20-Jun	9										Plant went out of service at approximately 4 PM due to filter high differential pressure (HDP).
Monday	21-Jun	23.5	x		x		x		2	50 mc		Plant out of service upon arrival. Replaced the OWST inlet filter (300 mc), the transfer filters (50 mc) and the twin filters (25 mc), and returned the plant to service by 7:30 AM. Added two batches of citric acid.
Tuesday	22-Jun	24		x		x	x					The absorber DP is high and the flow is low; waiting for carbon change-out.
Wednesday	23-Jun	22.5		x		x	x			50 mc	X	Upon arrival, found plant had just tripped out. Backwashed the carbon absorber, replaced the transfer filters (50 mc) and the twin filters (25 mc)
Thursday	24-Jun	23		x		x	x		1	50 mc	X	Backwashed the carbon absorber. Added one batch of citric acid. Replaced the transfer filters (50 mc) and the twin filters (25 mc). Cleaned and performed maintenance on the sump check valves.
Friday	25-Jun	24	x		x		x		1	100 mc		Added one batch of citric acid. Changed the transfer filter s (100 mc). In-line pH meter had no signal or power to it; repairs were made and the meter was calibrated.
Weekend	26-Jun	24										
	27-Jun	6										Plant tripped out at around 1 PM. Alarm call was not sent out.
Monday	28-Jun	16.5		x		x	x		1	50 mc 100 mc	X	Backwashed the carbon absorber. **Performed thorough cleaning of the OWST, coalescers and plumbing**. Replaced the OWST influent filter (400 mc), transfer filters (50 mc) and twin filters (25 mc). Added one batch of citric acid. Plant returned to service at 1:25 PM. It tripped out again at 1:45 PM with HDP at the transfer filters. Changed the transfer filters (100 mc) and returned the plant to service at 2:50 PM.
Tuesday	29-Jun	24	x		x		x		1			Added one batch of citric acid.
Wednesday	30-Jun	22.5		x	x		x				X	Added one batch of citric acid. Backwashed the carbon absorber and replaced the twin filters (25 mc).

Pennsylvania Avenue Landfill

GWL-1
Biweekly Inspections

(April, May and June 2010)

GWL-1

Date: 4/2/10
Time: Am
Inspected By: Ray Kenney

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: 48.83.00 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: 47.20.00 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 0			
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 60 %			
C. Acid Storage Tank Level 30 inches			

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

GWL-1 Date: 4/2/10 Inspected by: RM

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____ B. Tank Cleaning Date: 3/24/10			
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 _____			
C. Sludge Transfer Date: _____ D. Decant Tote Date: 3/28/10			
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: 26.00 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 6.80 psi			
B. Arrangement: ☐ Series ☑ Parallel C. Leading Filter: ☐ F-201 ☐ F-202			
D. Replace Filters: Date: 4/2/10 ☑ 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: 4/2/10	**Reading:**	7235000	
Date/time: 4/1/10	**Previous Reading:**	7231577	
B. Record DPT-301 reading _____ psi	**Quantity:**	3423	
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: 8 psi		
F-301 Filter Effluent: _____ psi	Carbon Absorbers Effluent: 4 psi		

GWL-1

Date: 4-7-10
Time: 8.15a
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: 47.17.00 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 60 %			
C. Acid Storage Tank Level 34" 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: 4-7-10 Inspected by: E. McLeod

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date:	B. Tank Cleaning Date: 3-24-10		
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: 3-24-10	D. Decant Tote Date: 3-23-10		
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: 27.39.00 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 0.74 psi			
B. Arrangement: ☐ Series ☑ Parallel	C. Leading Filter: ☐ F-201 ☐ F-202		
D. Replace Filters: Date: 4-7-10		☑ 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: 4-7-10 / 9.15a	**Reading:**	7752437	
Date/time: 4-6-10 / 7.34a	**Previous Reading:**	7748836	
B. Record DPT-301 reading ____ psi	**Quantity:**	3601	
C. Replace filter F-301 Date: 12-28-09	D. Backwash Date: 4-6-10 F301 A+B.		
E. Arrangement: ☐ Series ☐ Parallel	F. Leading Absorber: ☐ F-201 ☐ F-202		
G. Pressure Gauge Local Readings:	* Carbon Absorbers Influent: 12 psi		
F-301 Filter Effluent: ____ psi	Carbon Absorbers Effluent: 4 psi		

* Temporary Carbon Absorber In Service.

GWL-1

Date: 4-9-10
Time: 10.20a
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: 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 60 %			
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: 4-9-10 Inspected by: B. McLean

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____	B. Tank Cleaning Date: 3-24-10		
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: 3-24-10	D. Decant Tote Date: 3-23-10		
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: 38.00.00 Hz			
10. In-Line Bag Filters			
A. Check and record DPT-201 reading 6.15 psi			
B. Arrangement: ☐ Series ☑ Parallel	C. Leading Filter: ☐ F-201 ☐ F-202		
D. Replace Filters: Date: 4-9-10		☑ 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: 4-9-10 / 10.43a	**Reading:**	7757757	
Date/time: 4-8-10 / 6.39a	**Previous Reading:**	7754991	
B. Record DPT-301 reading _____ psi	**Quantity:**	2766	
C. Replace filter F-301 Date: 12-28-09	D. Backwash Date: 4-6-10		
E. Arrangement: ☐ Series ☐ Parallel	F. Leading Absorber: ☐ F-201 ☐ F-202		
G. Pressure Gauge Local Readings:	* Carbon Absorbers Influent: 24 psi		
F-301 Filter Effluent: _____ psi	Carbon Absorbers Effluent: 4 psi		

* Temporary Carbon Absorber In Service.

GWL-1

Date: 4-13-10
Time: 8:15 am
Inspected By: E. McLeod

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: 47.19.00 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 60 %			
C. Acid Storage Tank Level 36 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: 4-13-10 Inspected by: G. McLEAN

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____	B. Tank Cleaning Date: 4-12-10		
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: 4-12-10	D. Decant Tote Date: 4-12-10		
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: 40.00 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 _____ psi			
B. Arrangement: ☐ Series ☑ Parallel	C. Leading Filter: ☐ F-201 ☐ F-202		
D. Replace Filters: Date: 4-12-10		☑ 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: 4-13-10 / 8.44a	**Reading:**	7769066	
Date/time: 4-12-10 / 6.55a.	**Previous Reading:**	7766117	
B. Record DPT-301 reading _____ psi	**Quantity:**	2949	
C. Replace filter F-301 Date: 12-28-09.	D. Backwash Date: 4-12-10		
E. Arrangement: ☐ Series ☐ Parallel	F. Leading Absorber: ☐ F-201 ☐ F-202		
G. Pressure Gauge Local Readings:	* Carbon Absorbers Influent: 26 psi		
F-301 Filter Effluent: _____ psi	Carbon Absorbers Effluent: 3 psi		

* Temporary Carbon Absorber In Service.

GWL-1

Date: 4-15-10.
Time: 11.50a
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: 48.89.00 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 60 %			
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 <u>not</u> work place a large X in the box and notify your supervisor.

GWL-1 Date: 4-15-10 Inspected by: E. McLean.

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____	B. Tank Cleaning Date: 4-12-10		
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: 4-12-10	D. Decant Tote Date: 4-12-10		
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: 43.64 .00 Hz			
10. In-Line Bag Filters			
A. Check and record DPT-201 reading 4.90 psi			
B. Arrangement: ☐ Series ☑ Parallel	C. Leading Filter: ☐ F-201 ☐ F-202		
D. Replace Filters: Date: 4-14-10		☑ 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: 4-15-10 / 12.33p.	**Reading:**	7775531	
Date/time: 4-14-10 / 7.34a	**Previous Reading:**	7771756	
B. Record DPT-301 reading _____ psi	**Quantity:**		
C. Replace filter F-301 Date: 12-28-09	D. Backwash Date: 4-15-10		
E. Arrangement: ☐ Series ☐ Parallel	F. Leading Absorber: ☐ F-201 ☐ F-202		
G. Pressure Gauge Local Readings:	* Carbon Absorbers Influent: 33 psi		
F-301 Filter Effluent: _____ psi	Carbon Absorbers Effluent: 10 psi		

* Temporary Carbon Absorber In Service.

GWL-1

Date: 4-20-10
Time: 10.30a
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: 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: 45.27.00 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 60 %			
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: 4-20-10 Inspected by: E. McLean.

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____ B. Tank Cleaning Date: 4-2-10			
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: 4-12-10 D. Decant Tote Date: 4-12-10			
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: ~~24.66~~ 00 Hz			
10. In-Line Bag Filters			
A. Check and record DPT-201 reading 0.99 psi			
B. Arrangement: ☐ Series ☑ Parallel C. Leading Filter: ☐ F-201 ☐ F-202			
D. Replace Filters: Date: 4-20-10		☑ 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: 4-20-10 / 11.05 a.m.	**Reading:**		7786706
Date/time: 4-19-10 / 7.17 a.m.	**Previous Reading:**		7783465
B. Record DPT-301 reading _____ psi	**Quantity:**		3241
C. Replace filter F-301 Date: 12-28-09 D. Backwash Date: 4-16-10			
E. Arrangement: ☐ Series ☐ Parallel F. Leading Absorber: ☐ F-201 ☐ F-202			
G. Pressure Gauge Local Readings: * Carbon Absorbers Influent: 5 psi			
F-301 Filter Effluent: _____ psi Carbon Absorbers Effluent: > psi			

* Temporary Carbon Absorber In Service.

GWL-1

Date: 4-22-10.
Time: 7.45 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: 48.80.00 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: 44.36.00 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 60 %			
C. Acid Storage Tank Level 35.5 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: 4-22-10 Inspected by: E. McLEAN

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____	B. Tank Cleaning Date: 4-12-10		
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: 4-12-10	D. Decant Tote Date: 4-12-10		
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: 30.34.00 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 10.13 psi			
B. Arrangement: ☐ Series ☑ Parallel	C. Leading Filter: ☐ F-201 ☐ F-202		
D. Replace Filters: Date: 4-20-10		☐ 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: 4-22-10 / 8:44a	**Reading:**	7733157	
Date/time: 4-21-10 / 7:14a	**Previous Reading:**	7730167	
B. Record DPT-301 reading _____ psi	**Quantity:**	2990	
C. Replace filter F-301 Date: 12-28-09	D. Backwash Date: 4-16-10		
E. Arrangement: ☐ Series ☐ Parallel	F. Leading Absorber: ☐ F-201 ☐ F-202		
G. Pressure Gauge Local Readings:	* Carbon Absorbers Influent: 12 psi		
F-301 Filter Effluent: _____ psi	Carbon Absorbers Effluent: 3 psi		

* TEMPORARY CARBON ABSORBER IN SERVICE.

GWL-1

Date: 4-27-10.
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: 48.80.00 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: 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 60 %			
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: 4-27-10. Inspected by: E. Mel RH

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____	B. Tank Cleaning Date: 4-12-10		
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: 4-12-10	D. Decant Tote Date: 4-12-10		
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: 37.37.00 Hz			
10. In-Line Bag Filters			
A. Check and record DPT-201 reading 0.77 psi			
B. Arrangement: ☐ Series ☑ Parallel	C. Leading Filter: ☐ F-201 ☐ F-202		
D. Replace Filters: Date: 4-27-10		☑ 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: 4-27-10 / 10:02 a.m.	**Reading:**	7747544	
Date/time: 4-26-10 / 7:09 a.m.	**Previous Reading:**	7744074	
B. Record DPT-301 reading _____ psi	**Quantity:**	3470	
C. Replace filter F-301 Date: 12-28-09	D. Backwash Date: 4-26-10		
E. Arrangement: ☐ Series ☐ Parallel	F. Leading Absorber: ☐ F-201 ☐ F-202		
G. Pressure Gauge Local Readings:	* Carbon Absorbers Influent: 12 psi		
F-301 Filter Effluent: _____ psi	Carbon Absorbers Effluent: 4 psi		

* Temporary Carbon Absorber In Service.

GWL-1

Date: 4-29-10.
Time: 7.38a
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: 49.41.00 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 60 %			
C. Acid Storage Tank Level 36 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: 4-29-10. Inspected by: E. McLean

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____	B. Tank Cleaning Date: 4-12-10		
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: 4-12-10	D. Decant Tote Date: 4-12-10		
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: 35.49.00 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 16.27 psi			
B. Arrangement: ☐ Series ☑ Parallel	C. Leading Filter: ☐ F-201 ☐ F-202		
D. Replace Filters: Date: 4-27-10		☐ 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: 4-29-10 / 8.15 am	**Reading:**	7753735	
Date/time: 4-28-10 / 7.17 am	**Previous Reading:**	7750400	
B. Record DPT-301 reading _____ psi	**Quantity:**	3335	
C. Replace filter F-301 Date: 12-28-09	D. Backwash Date: 4-26-10		
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: 5 psi		

* Temporary Carbon Absorber in Service.

GWL-1

Date: 5-4-10
Time: 8.00
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: 48.89.00 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: 49.9200 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 60 %			
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: 5-4-10. Inspected by: E. McLean.

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____	B. Tank Cleaning Date: 4-12-10.		
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: 4-12-10	D. Decant Tote Date: 4-12-10.		
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: 34.42.00 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 5.45 psi			
B. Arrangement: ☐ Series ☑ Parallel	C. Leading Filter: ☐ F-201 ☐ F-202		
D. Replace Filters: Date: 5-3-10.		☐ 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: 5-4-10 / 8.43 a.m.	**Reading:**	7768473	
Date/time: 5-3-10 / 7.15 a.m.	**Previous Reading:**	7765329	
B. Record DPT-301 reading _____ psi	**Quantity:**	3144	
C. Replace filter F-301 Date: 12-28-09	D. Backwash Date: 4-26-10		
E. Arrangement: ☐ Series ☐ Parallel	F. Leading Absorber: ☐ F-201 ☐ F-202		
G. Pressure Gauge Local Readings:	* Carbon Absorbers Influent: 21 psi		
F-301 Filter Effluent: _____ psi	Carbon Absorbers Effluent: 4 psi		

* Temporary Carbon Absorber In Service.

GWL-1

Date: 5-6-10.
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: 48.87.00 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: 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 60 %			
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 <u>not</u> work place a large **X** in the box and notify your supervisor.

GWL-1 Date: 5-6-10. Inspected by: E.MCLEAN.

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____ B. Tank Cleaning Date: 4-12-10			
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: 4-12-10 D. Decant Tote Date: 4-12-10			
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: 31.16.00 Hz			
10. In-Line Bag Filters			
A. Check and record DPT-201 reading 11.64 psi			
B. Arrangement: ☐ Series ☑ Parallel C. Leading Filter: ☐ F-201 ☐ F-202			
D. Replace Filters: Date: 5-5-10		☐ 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: 5-6-10 / 9.19a.	**Reading:**		7774264
Date/time: 5-5-10 / 7.23a.	**Previous Reading:**		7771260
B. Record DPT-301 reading _____ psi	**Quantity:**		3004
C. Replace filter F-301 Date: 12-28-09	D. Backwash Date: 5-4-10		
E. Arrangement: ☐ Series ☐ Parallel	F. Leading Absorber: ☐ F-201 ☐ F-202		
G. Pressure Gauge Local Readings:	* Carbon Absorbers Influent: 12 psi		
F-301 Filter Effluent: _____ psi	Carbon Absorbers Effluent: 7 psi		

* TEMPORARY CARBON ABSORBER IN SERVICE.

GWL-1

Date: 5-11-10.
Time: 8.05a
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: 58.80.00 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: 50.34.00 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 60 %			
C. Acid Storage Tank Level 23.5 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: 5-11-10. Inspected by: E. Ulloa.

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____	B. Tank Cleaning Date: 4-12-10		
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: 4-12-10	D. Decant Tote Date: 4-12-10		
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: 33.66 .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 0.39 psi			
B. Arrangement: ☐ Series ☑ Parallel	C. Leading Filter: ☐ F-201 ☐ F-202		
D. Replace Filters: Date: 5-11-10.		☑ 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: 5-11-10 / 9.00a.	**Reading:**	7787614	
Date/time: 5-10-10 / 7.17a.	**Previous Reading:**	7784947	
B. Record DPT-301 reading _____ psi	**Quantity:**	2667	
C. Replace filter F-301 Date: 12-23-09.	D. Backwash Date: 5-4-10.		
E. Arrangement: ☐ Series ☐ Parallel	F. Leading Absorber: ☐ F-201 ☐ F-202		
G. Pressure Gauge Local Readings:	* Carbon Absorbers Influent: 20 psi		
F-301 Filter Effluent: _____ psi	Carbon Absorbers Effluent: 7 psi		

* Temporary Carbon Absorber In Service.

GWL-1

Date: 5-13-10.
Time: _____
Inspected By: E.M.L.E.H.

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: 48.57.00 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 60 %			
C. Acid Storage Tank Level 16.5 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: 5-13-10. Inspected by: EMcLeay.

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____	B. Tank Cleaning Date: 5-12-10		
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: 5-12-10	D. Decant Tote Date: 5-12-10		
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: 29.22 .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 7.93 psi			
B. Arrangement: ☐ Series ☑ Parallel	C. Leading Filter: ☐ F-201 ☐ F-202		
D. Replace Filters: Date: 5-13-10		☑ 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: 5-13-10 / 10.00a.	**Reading:**	7791823	
Date/time: 5-12-10 / 7.07a.	**Previous Reading:**	7789846	
B. Record DPT-301 reading _____ psi	**Quantity:**	1977	
C. Replace filter F-301 Date: 12-28-09	D. Backwash Date: 5-12-10		
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: 8.5 psi		

GWL-1

Date: 5-18-10
Time: 8:15
Inspected By: E. McLeod

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: 44.51.00 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 70 %			
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: 5-18-10. Inspected by: E. McLean.

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____	B. Tank Cleaning Date: 5-12-10.		
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: 5-12-10.	D. Decant Tote Date: 5-12-10.		
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: 33.17 .00 Hz			
10. In-Line Bag Filters			
A. Check and record DPT-201 reading 6.23 psi			
B. Arrangement: ☐ Series ☑ Parallel	C. Leading Filter: ☐ F-201 ☐ F-202		
D. Replace Filters: Date: 5-17-10		☐ 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: 5-18-10./8.39a	**Reading:**	7805116.	
Date/time: 5-17-10./7.07a.	**Previous Reading:**	7802375	
B. Record DPT-301 reading _____ psi	**Quantity:**	2741	
C. Replace filter F-301 Date: 12-28-09.	D. Backwash Date: 5-12-10.		
E. Arrangement: ☐ Series ☐ Parallel	F. Leading Absorber: ☐ F-201 ☐ F-202		
G. Pressure Gauge Local Readings:	* Carbon Absorbers Influent: 18 psi		
F-301 Filter Effluent: _____ psi	Carbon Absorbers Effluent: 7.5 psi		

* Temporary Carbon Absorber In Service.

GWL-1

Date: 5-20-10.
Time: 8.55 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: 48.89.00 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: 46.04.00 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	
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 70 %			
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: 5-20-10. Inspected by: G. McLEAN.

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____	B. Tank Cleaning Date: 5-12-10.		
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: 5-12-10.	D. Decant Tote Date: 5-12-10.		
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: 27.69.00 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 0.97 psi			
B. Arrangement: ☐ Series ☑ Parallel	C. Leading Filter: ☐ F-201 ☐ F-202		
D. Replace Filters: Date: 5-20-10.		☑ 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: 5-20-10 / 9:25a.	**Reading:**	7810506.	
Date/time: 5-19-10 / 7:00a.	**Previous Reading:**	7807610.	
B. Record DPT-301 reading _____ psi	**Quantity:**	2896	
C. Replace filter F-301 Date: 12-28-09	D. Backwash Date: 5-19-10.		
E. Arrangement: ☐ Series ☐ Parallel	F. Leading Absorber: ☐ F-201 ☐ F-202		
G. Pressure Gauge Local Readings:	Carbon Absorbers Influent: 12 psi		
F-301 Filter Effluent: _____ psi	Carbon Absorbers Effluent: 8 psi		

GWL-1

Date: 5-25-10.
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: 48.00 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: 47.38.00 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 70 %			
C. Acid Storage Tank Level 22.5 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: 5-25-10. Inspected by: S. McLean.

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____	B. Tank Cleaning Date: 5-12-10.		
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: 5-12-10.	D. Decant Tote Date: 5-12-10.		
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: 24.71 .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 1.30 psi			
B. Arrangement: ☐ Series ☑ Parallel	C. Leading Filter: ☐ F-201 ☐ F-202		
D. Replace Filters: Date: 5-25-10.		☑ 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: 5-25-10. / 9.35a.m.	**Reading:**	7822631	
Date/time: 5-24-10. / 7.19a.m.	**Previous Reading:**	7819918	
B. Record DPT-301 reading _____ psi	**Quantity:**	2713	
C. Replace filter F-301 Date: 12-28-09	D. Backwash Date: 5-24-10.		
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: 7 psi		

GWL-1

Date: 5-27-10,
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: 48.900 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: 45.3400 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 70 %			
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: 5-27-10, Inspected by: E. McLean.

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____ B. Tank Cleaning Date: 5-12-10			
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: 5-12-10 D. Decant Tote Date: 5-12-10			
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: 26.53.00 Hz			
10. In-Line Bag Filters			
A. Check and record DPT-201 reading 4.70 psi			
B. Arrangement: ☐ Series ☑ Parallel C. Leading Filter: ☐ F-201 ☐ F-202			
D. Replace Filters: Date: 5-26-10 ☐ 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: 5-27-10 / 9:18 a.m. **Reading:**		7827395	
Date/time: 5-26-10 / 6:45 a.m. **Previous Reading:**		7824695	
B. Record DPT-301 reading _____ psi **Quantity:**		_____	
C. Replace filter F-301 Date: 12-28-09 D. Backwash Date: 5-24-10.			
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: 7.5 psi			

GWL-1

Date: 6-2-10.
Time: 8.15a.
Inspected By: E. McLeah.

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: 48.900 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: 43.800 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 70 %			
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: 6-2-10. Inspected by: E. McLean.

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____	B. Tank Cleaning Date: 5-12-10.		
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: 5-12-10.	D. Decant Tote Date: 5-12-10.		
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: 37.65.00 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 4.01 psi			
B. Arrangement: ☐ Series ☑ Parallel	C. Leading Filter: ☐ F-201 ☐ F-202		
D. Replace Filters: Date: 6-1-10.		☐ 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: 6-2-10 / 8.47 a.m.	**Reading:**	7841144	
Date/time: 6-1-10 / 7.18 a.m.	**Previous Reading:**	7838251	
B. Record DPT-301 reading ~~---~~ psi	**Quantity:**	2893	
C. Replace filter F-301 Date: 12-28-09.	D. Backwash Date: 6-1-10.		
E. Arrangement: ☐ Series ☐ Parallel	F. Leading Absorber: ☐ F-201 ☐ F-202		
G. Pressure Gauge Local Readings:	Carbon Absorbers Influent: 26 psi		
F-301 Filter Effluent: _____ psi	Carbon Absorbers Effluent: 7 psi		

GWL-1

Date: 6-4-10,
Time: 7.40a
Inspected By: E. McLoan

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: 48.96 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	
2. Pump Stations #2			
A. Variable Frequency Drive		☑ On	☐ Off
Frequency: 49.92 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 70 %			
C. Acid Storage Tank Level 38.5 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: 6-4-10. Inspected by: E. McLean.

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____ B. Tank Cleaning Date: 5-12-10.			
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: 5-12-10. D. Decant Tote Date: 5-12-10.			
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: 49.47.00 Hz			
10. In-Line Bag Filters			
A. Check and record DPT-201 reading 17.31 psi			
B. Arrangement: ☐ Series ☑ Parallel C. Leading Filter: ☐ F-201 ☐ F-202			
D. Replace Filters: Date: 6-1-10. ☐ 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: 6-4-10 / 9:02 a.m. **Reading:**		7846177	
Date/time: 6-3-10 / 7:29 a.m. **Previous Reading:**		7843598	
B. Record DPT-301 reading _____ psi **Quantity:**		2579	
C. Replace filter F-301 Date: 12-28-09 D. Backwash Date: 6-1-10			
E. Arrangement: ☐ Series ☐ Parallel F. Leading Absorber: ☐ F-201 ☐ F-202			
G. Pressure Gauge Local Readings: *Carbon Absorbers Influent: 42 psi			
F-301 Filter Effluent: _____ psi Carbon Absorbers Effluent: 7.5 psi			

* Temporary Carbon Absorber In Service.

GWL-1

Date: 6-8-10.
Time: 8.10a
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: 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: 42.07.00 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 70 %			
C. Acid Storage Tank Level 36 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: 6-8-10. Inspected by: E.McLean.

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____ B. Tank Cleaning Date: 6-7-10.			
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: 6-7-10. D. Decant Tote Date: 6-7-10.			
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: ~~24.49~~.00 Hz			
10. In-Line Bag Filters			
A. Check and record DPT-201 reading 3.49 psi			
B. Arrangement: ☐ Series ☑ Parallel C. Leading Filter: ☐ F-201 ☐ F-202			
D. Replace Filters: Date: 6-7-10. ☐ 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: 6-8-10 / 8.53a.m. **Reading:**		7855590	
Date/time: 6-7-10 / 6.59a.m. **Previous Reading:**		7853148.	
B. Record DPT-301 reading _____ psi **Quantity:**		~~2442~~	
C. Replace filter F-301 Date: 12-28-09 D. Backwash Date: 6-7-10.			
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: 9.5 psi		

* Temporary Carbon Absorber In Service.

GWL-1

Date: 6-10-10.
Time: 8.21a
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: 43.06.00 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	
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 70 %			
C. Acid Storage Tank Level 35.5 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: 6-10-10. Inspected by: S. McLean.

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____ B. Tank Cleaning Date: 6-7-10.			
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: 6-7-10. D. Decant Tote Date: 6-7-10			
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: 26.47.00 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 4.51 psi			
B. Arrangement: ☐ Series ☑ Parallel C. Leading Filter: ☐ F-201 ☐ F-202			
D. Replace Filters: Date: 6-9-10 ☐ 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: 6-10-10. / 9.04 a.m. **Reading:**		7860156	
Date/time: 6-9-10. / 7.22 a.m. **Previous Reading:**		7857691	
B. Record DPT-301 reading _____ psi **Quantity:**		2465	
C. Replace filter F-301 Date: 12-28-09 D. Backwash Date: 6-7-10			
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: 7 psi			

GWL-1

Date: 6-15-10.
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: 48.89.00 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: 46.48.00 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 70 %			
C. Acid Storage Tank Level 37.75 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: 6-15-10. Inspected by: E.McLeah.

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____	B. Tank Cleaning Date: 6-7-10.		
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: 6-7-10.	D. Decant Tote Date: 6-7-10.		
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: 57.41 .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 15.50 psi			
B. Arrangement: ☐ Series ☑ Parallel	C. Leading Filter: ☐ F-201 ☐ F-202		
D. Replace Filters: Date: 6-14-10.		☐ 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: 6-15-10. / 8.30a.m.	**Reading:**	7871728	
Date/time: 6-14-10. / 7.00a.m.	**Previous Reading:**	7869151	
B. Record DPT-301 reading _____ psi	**Quantity:**	2577	
C. Replace filter F-301 Date: _____	D. Backwash Date: 6-14-10		
E. Arrangement: ☐ Series ☐ Parallel	F. Leading Absorber: ☐ F-201 ☐ F-202		
G. Pressure Gauge Local Readings:	* Carbon Absorbers Influent: 58 psi		
F-301 Filter Effluent: _____ psi	Carbon Absorbers Effluent: 42 psi		

* Temporary Carbon Absorber In Service.

GWL-1

Date: 6-17-10.
Time: 10.45 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: 48.9600 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: 50.4400 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 70 %			
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: 6-17-10. Inspected by: E. McLeod.

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____	B. Tank Cleaning Date: 6-7-10.		
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: 6-7-10.	D. Decant Tote Date: 6-7-10		
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: 26.08 .00 Hz			
10. In-Line Bag Filters			
A. Check and record DPT-201 reading 2.35 psi			
B. Arrangement: ☐ Series ☑ Parallel	C. Leading Filter: ☐ F-201 ☐ F-202		
D. Replace Filters: Date: 6-17-10		☑ 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: 6-17-10 / 11.45 a.m.	**Reading:**	7876296	
Date/time: 6-16-10 / 6.56 a.m.	**Previous Reading:**	7873944	
B. Record DPT-301 reading _____ psi	**Quantity:**	2352	
C. Replace filter F-301 Date: 12-28-09.	D. Backwash Date: 6-17-10.		
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: 6.5 psi		

GWL-1

Date: 6-23-10
Time: 2.15
Inspected By: G. McLeay

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: 49.05 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: 50.51 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 70 %			
C. Acid Storage Tank Level 36.5 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: 6-23-10. Inspected by: E. McLeod.

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____	B. Tank Cleaning Date: 6-7-10		
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: 6-7-10	D. Decant Tote Date: 6-7-10		
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: 45.3500 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 22.32 psi			
B. Arrangement: ☐ Series ☑ Parallel	C. Leading Filter: ☐ F-201 ☐ F-202		
D. Replace Filters: Date: 6-23-10.		☑ 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: 6-23-10. / 2.22pm	**Reading:**	7884619	
Date/time: 6-23-10 / 6.52am.	**Previous Reading:**	7882121	
B. Record DPT-301 reading _____ psi	**Quantity:**	2498	
C. Replace filter F-301 Date: 12-28-09.	D. Backwash Date: 6-23-10,		
E. Arrangement: ☐ Series ☐ Parallel	F. Leading Absorber: ☐ F-201 ☐ F-202		
G. Pressure Gauge Local Readings:	*Carbon Absorbers Influent: 30 psi		
F-301 Filter Effluent: _____ psi	Carbon Absorbers Effluent: 23 psi		

* Tallperlorly Carbon Absorber In Service.

GWL-1

Date: 6-25-10.
Time: 9.15a
Inspected By: E. McLeaud.

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: 48.99.00 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	
2. Pump Stations #2			
A. Variable Frequency Drive		☑ On	☐ Off
Frequency: 44.34.00 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 70 %			
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: 6-25-10. Inspected by: E. McLean.

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____ B. Tank Cleaning Date: 6-7-10.			
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: 6-7-10. D. Decant Tote Date: 6-7-10.			
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: 36.00 .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 0.54 psi			
B. Arrangement: ☐ Series ☑ Parallel C. Leading Filter: ☐ F-201 ☐ F-202			
D. Replace Filters: Date: 6-25-10.		☑ 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: 6-25-10 / 9:37 a.m.	**Reading:**	7889378	
Date/time: 6-24-10 / 6:59 a.m.	**Previous Reading:**	7886369	
B. Record DPT-301 reading _____ psi	**Quantity:**	3009	
C. Replace filter F-301 Date: _____ D. Backwash Date: 6-24-10.			
E. Arrangement: ☐ Series ☐ Parallel F. Leading Absorber: ☐ F-201 ☐ F-202			
G. Pressure Gauge Local Readings:	*Carbon Absorbers Influent: 24 psi		
F-301 Filter Effluent: _____ psi	Carbon Absorbers Effluent: 13 psi		

*Temporary Carbon Absorber In Service.

GWL-1

Date: 6-29-10.
Time: 8:15 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: 48.96 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	
2. Pump Stations #2			
A. Variable Frequency Drive		☑ On	☐ Off
Frequency: 38.19 .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 70 %			
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: 6-29-10, Inspected by: E. McLean

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____	B. Tank Cleaning Date: 6-28-10		
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 25"			
C. Sludge Transfer Date: 6-28-10	D. Decant Tote Date: 6-28-10		
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: 38.11 .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 1.92 psi			
B. Arrangement: ☐ Series ☐ Parallel	C. Leading Filter: ☐ F-201 ☐ F-202		
D. Replace Filters: Date: 6-28-10		☐ 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: 6-29-10 / 8.59 a	**Reading:**	7897998.	
Date/time: 6-28-10 / 9.11 a	**Previous Reading:**	7894671.	
B. Record DPT-301 reading _____ psi	**Quantity:**	3327	
C. Replace filter F-301 Date: 12-28-09	D. Backwash Date: 6-28-10.		
E. Arrangement: ☐ Series ☐ Parallel	F. Leading Absorber: ☐ F-201 ☐ F-202		
G. Pressure Gauge Local Readings:	*Carbon Absorbers Influent: 26 psi		
F-301 Filter Effluent: _____ psi	Carbon Absorbers Effluent: 16 psi		

*Temporary Carbon Absorber Lab Service.

Pennsylvania Avenue Landfill

GWL-2
Monthly Inspections

(April, May and June 2010)

April 2010

GWL-2

Date: 4/22/10
Time: AM
Inspected By: Roy Kearney

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 #1	☑ 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: 4/22/10 **Inspected by:** RAY Kenney

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: 4/22/10 **Inspected by:** Roy Kenney

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

May 2010

GWL-2

Date: 5-18-10.
Time: 10.30a.m.
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 #1	☑ 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: 5-18-10. **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: 5-18-10, **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

Form DP-1

DESCRIPTION OF DEFICIENCIES AND PROBLEMS
LEACHATE PRETREATMENT SYSTEM
FRESH CREEK BASIN REMEDIATION
PENNSYLVANIA AVENUE LANDFILL

Date	Location	Description	Corrective Action Taken
5-18-10.	L.T. PLANT-DISCHARGE TANK LEVEL SENSOR. L.T. 301.	UNIT NOT OPERATING PROPERLY.	UNIT TO BE REPLACED.

Date: 5-18-10. **Inspected by:** E. McLEAN

Signature

GWL-2

Date: 6/29/10
Time: am
Inspected By: Ray Kay

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 #1	☑ 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: 6/29/10 **Inspected by:** Ray Kenyon

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			

Form DP-1

DESCRIPTION OF DEFICIENCIES AND PROBLEMS
LEACHATE PRETREATMENT SYSTEM
FRESH CREEK BASIN REMEDIATION
PENNSYLVANIA AVENUE LANDFILL

6/29/10	Plant T 301 Tank	Sensor not working	W/O 111
6/29/10	Plant PH meter	No Signal	W/O 110

Date: 6/29/10 **Inspected by:** Ray Kenney

Signature Ray Kenney

Pennsylvania Avenue Landfill

GWL-3
Quarterly Inspection

(Second Quarter 2010)

GWL-3
Quarterly

Date: 6/29/10
Time: Am
Inspected By: [signature]

LECHEATE SYSTEM O&M INSPECTION CHECKLIST
PENNSYLVANIA AVENUE LANDFILL

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

Pennsylvania Avenue Landfill

GWL-4
Semi-Annual Inspection

(June 2010)

GWL-4

EVERY 6 MONTHS

Date: 6/25/10

Time: P.M.

Inspected By: Ray Kemp

LECHEATE SYSTEM O&M INSPECTION CHECKLIST
PENNSYLVANIA AVENUE LANDFILL

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:** 6/28/10 **Inspected by:** Ray Kenny

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

- SMR
- M1 Laboratory Reports
- GWL Treatment System Influent Laboratory Report

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

July 9, 2010

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 April through June, 2010 (Second Quarter) Self Monitoring Report for the NYCDEP Pennsylvania Avenue Landfill Leachate Treatment Plant. The report consists of the quarterly self monitoring report form, the April, May and June, 2010 monthly flow reports, the summary of the analytical data, and April, May and June, 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 on June 9, 2010.

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

A copy of Commissioner's Order E-45146 and the corrective action report is also attached.

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-Apr-10	**30-Jun-10**			**20-Apr-10**	**4-Jun-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	**26,798**	**35,496**
B	Regulated Flow, gal/day	**26,798**	**35,496**
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:	**20 & 21-Apr-10**			**11-May-10**			**4-Jun-10**		
	Time	pH In-situ	pH Lab	Time	pH In-situ	pH Lab	Time	pH In-situ	pH Lab
	20 Apr 13:30	**6.30**	**6.2**	**7:30**	**6.85**	**6.8**	**8:30**	**6.76**	**6.7**
	20 Apr 15:00	**6.26**	**6.2**	**9:00**	**6.78**	**6.8**	**10:00**	**6.76**	**6.7**
	21 Apr 8:00	**6.27**	**6.2**	**14:00**	**6.81**	**6.8**	**11:30**	**6.78**	**6.7**
	21 Apr 10:00	**6.15**	**6.1**	**16:00**	**6.67**	**6.8**	**13:00**	**6.72**	**6.8**

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 — 7/9/2010 — (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	7/9/2010	(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	7/9/2010	(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	7/9/2010	(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

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

MONTH: April 2010

	Time of Reading	10 Gallon Counter Readings	Flow (gallons)		Hrs. i/s
1	7:29	7,731,577	34,230		24
2	7:00	7,735,000	34,017	(1) (2)	23
3			35,496	(1)	24
4			35,496	(1)	24
5	7:05	7,745,501	33,350		24
6	7:34	7,748,836	33,050	(2)	23
7	6:55	7,752,141	28,500	(7)	23.3
8	6:29	7,754,991	25,510		24
9	7:42	7,757,542	24,317	(1) (3)(2)	19
10			30,716	(1)	24
11			30,716	(1)	24
12	6:55	7,766,117	27,770	(2) (6)	19
13	7:23	7,768,894	28,620		24
14	7:34	7,771,756	29,800	(2)	21.5
15	7:05	7,774,736	9,690	(2) (5)	4
16	3:10	7,775,705	19,218	(1) (5) (2)	15.8
17			29,191	(1)	24
18			29,191	(1)	24
19	7:17	7,783,465	27,950		24
20	7:17	7,786,260	28,510	(4)	24
21	7:14	7,730,167	28,080		24
22	7:11	7,732,975	28,940		24
23	7:02	7,735,869	27,350	(1)	24
24			27,350	(1)	24
25			27,350	(1)	24
26	7:09	7,744,074	30,760	(2)	23
27	7:10	7,747,150	32,500		24
28	7:17	7,750,400	32,020		24
29	7:14	7,753,602	30,810		24
30	7:13	7,756,683	28,820	(1)	24
3-May	7:15	7,765,329			

No. of Days in Operation
28.2

Total Flow (gallons)
869,320

Average Daily Flow (gallons)
30,882

Maximum Daily Flow (gallons)
35,496

(1) Estimated flow for weekends (readings not taken).

(2) Plant out of service for one hour to backwash the carbon tank (two hours on April 14th and 15th).

(3) Plant out of service at 3 AM due to high transfer filter differential pressure. Changed filters and backwashed before placing system back on line.

(4) Estimated flow due to flow totalizer reset.

(5) On April 15th, the carbon tank was backwashed for two hours. The plant was returned to service, and was shut down again at 1:30 PM to prepare for the carbon change-out. On, the 16th, the carbon was replaced, it was backwashed to remove fines from the new cabon, and the system was returned to service at 3 PM.

(6) Cleaning of oil water separator and coalescers

(7) Plant out of service for 0.7 hrs with discharge suction tank high alarm due to level sensor malfunction. Repairs made and system was returned to service.

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

MONTH: **May 2010**

	Time of Reading	10 Gallon Counter Readings	Flow (gallons)		Hrs. i/s
30-Apr	7:13	7,756,683			
1			28,820	(1)	24
2			28,820	(1)	24
3	7:15 AM	7,765,329	29,590		24
4	7:12 AM	7,768,288	29,720	(2)	22.5
5	7:23 AM	7,771,260	27,670		24
6	7:09 AM	7,774,027	25,600		24
7	6:53 AM	7,776,587	26,200	(1),(3)	23.8
8			26,200	(1)	24
9			26,200	(1)	24
10	7:17 AM	7,784,447	29,680		24
11	7:00 AM	7,787,415	24,310		24
12	7:07 AM	7,789,846	16,580	(4)	18.2
13	7:05 AM	7,791,504	32,000	(1),(3)	23.5
14	7:45 AM	7,794,704	25,570	(1)	24
15			25,570	(1)	24
16			25,570	(1)	24
17	7:07 AM	7,802,375	25,760		24
18	7:08 AM	7,804,951	26,590		24
19	7:00 AM	7,807,610	26,620	(2)	22
20	7:14 AM	7,810,272	24,510		24
21	7:01 AM	7,812,723	23,983	(1)	24
22			23,983	(1)	24
23			23,983	(1)	24
24	7:19 AM	7,819,918	24,220	(2)	21.9
25	7:03 AM	7,822,340	23,550		24
26	6:45 AM	7,824,695	24,980		24
27	7:18 AM	7,827,193	23,820		24
28	6:45 AM	7,829,575	21,690	(1)	24
29			21,690	(1)	24
30			21,690	(1)	24
31			21,690	(1)	24
1-Jun	7:18 AM	7,838,251			

No. of Days in Operation
30.5

Total Flow (gallons)
786,860

Average Daily Flow (gallons)
25,802

Maximum Daily Flow (gallons)
32,000

(1) Estimated flow for weekends and holidays (readings not taken)
(2) Plant off line to backwash carbon absorber.
(3) Plant down due to high differential presure during filter change.
(4) Plant off line from 8:30 to 14:15 for OWST cleaning, carbon absorber backwashing and filter change.

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

MONTH: **June 2010**

	Time of Reading	10 Gallon Counter Readings	Flow (gallons)		Hrs. i/s
1	7:18	7,838,251	**26,900**	(2,3)	18
2	7:09	7,840,941	**26,570**		24
3	7:29	7,843,598	**23,890**		24
4	7:02	7,845,987	**22,506**	(1) (3)	22
5			**24,552**	(1)	24
6			**24,552**	(1)	24
7	6:59	7,853,148	**22,640**	(2,3)	18.5
8	7:01	7,855,412	**22,790**		24
9	7:22	7,857,691	**23,080**		24
10	7:12	7,859,999	**22,340**		24
11	7:04	7,862,233	**23,060**	(1)	24
12			**23,060**	(1)	24
13			**23,060**	(1)	24
14	7:07	7,869,151	**24,280**	(3)	22
15	6:59	7,871,579	**23,650**	(5)	23.7
16	6:56	7,873,944	**20,940**		24
17	7:06	7,876,038	**13,220**	(2,3)	22
18	7:09	7,877,360	**15,723**	(1) (2,3)	21
19			**17,969**	(1)	24
20			**6,738**	(1) (2)	9
21	6:50	7,881,403	**7,180**	(2)	23.5
22	6:52	7,882,121	**18,630**		24
23	7:04	7,883,984	**23,850**	(2)	22.5
24	6:59	7,886,369	**28,130**	(3)	23
25	7:54	7,889,182	**24,396**	(1)	24
26			**24,396**	(1)	24
27			**6,099**	(1) (2)	6
28	7:11	7,894,671	**31,150**	(2,3,4)	16.5
29	7:14	7,897,786	**26,180**		24
30	7:04	7,900,404	**24,340**	(3)	22.5
1-Jul	7:15	7,902,838			

No. of Days in Operation
27.3

Total Flow (gallons)
645,870

Average Daily Flow (gallons)
23,696

Maximum Daily Flow (gallons)
31,150

(1) Estimated flow for weekends (readings not taken).
(2) Plant out of service due to high filter differential pressure
(3) Plant out of service to backwash the carbon absorber tank
(4) Plant out of service for OWST and coalescer cleaning and desludging
(5) Plant removed from service to replace the effluent twin filters

April - June 2010 PENN AVE LF - M1 - Lab Summary

Analyte	Unit	Permit			4/20&21/10		05/11/10		06/03/10		*06/09/10*	
		Max. Conc.	Daily Limit	Monthly Limit		Results		Results		Results		*IPP Plant INFLUENT*
Cadmium as Cd	mg/L	2.0	0.69		<	0.005	<	0.005	<	0.005	<	*0.005*
Chromium as Cr	mg/L					0.005		0.005		0.008		*0.005*
Chromium hex as Cr	mg/L	5.0			<	0.02	<	0.02	<	0.02	<	*0.02*
Copper as Cu	mg/L	5.0				0.01	<	0.01	<	0.01		*0.07*
Lead as Pb	mg/L	2.0			<	0.005	<	0.005	<	0.005	<	*0.005*
Mercury as Hg	mg/L	0.05			<	0.00025	<	0.00025	<	0.00025	<	*0.00025*
Molybdenum as Mo	mg/L				<	0.005	<	0.005	<	0.005	<	*0.005*
Nickel as Ni	mg/L	3.0				0.01	<	0.01	<	0.01		*0.01*
Silver as Ag	mg/L				<	0.005	<	0.005	<	0.005	<	*0.005*
Zinc as Zn	mg/L	5.0				0.03	<	0.01	<	0.01		*0.1*
Carbonaceous BOD5	mg/L				>	180		39		93		*130*
Chloride as Cl	mg/L					3800		2800		4200		*3800*
CN amen.to chlorin.	mg/L	0.2			<	0.02	<	0.02	<	0.02	<	*0.02*
Cyanide as CN	mg/L				<	0.02	<	0.02	<	0.02	<	*0.02*
Nitrate as N	mg/L				<	0.5	<	0.5	<	0.5	<	*0.5*
Nitrogen, total as N	mg/L					38		66		95		*72*
Non-polar Material (grab 1)	mg/L	50.0			<	5	<	5	<	5	<	*5*
Non-polar Material (grab 2)	mg/L	↓			<	5	<	5	<	5	<	*5*
Non-polar Material (grab 3)	mg/L	↓			<	5	<	5	<	5	<	*5*
Non-polar Material (grab 4)	mg/L	↓			<	5	<	5	<	5	<	*5*
Tot Suspended Solids (grab 1)	mg/L	350				22		11		15		*25*
Tot Suspended Solids (grab 2)	mg/L	↓				11		10		13		*18*
Tot Suspended Solids (grab 3)	mg/L	↓				36		17		14		*26*
Tot Suspended Solids (grab 4)	mg/L	↓				14		8		11		*28*
Tot. Kjeldahl N.	mg/L					38		66		95		*72*
pH												
Grab 1 (Field/Lab)	SU					6.30/6.2		6.85/6.8		6.76/6.7		*6.69/6.98*
Grab 2 (Field/Lab)	SU	5.0 - 11.0				6.26/6.2		6.78/6.8		6.76/6.7		*6.65/7.07*
Grab 3 (Field/Lab)	SU	Standard Units				6.27/6.2		6.81/6.8		6.78/6.7		*6.65/7.11*
Grab 4 (Field/Lab)	SU					6.15/6.1		6.67/6.8		6.72/6.8		*6.62/7.09*
VOCs												
1,1 Dichloroethane	ug/L				<	5	<	5	<	5	<	*1*
1,1 Dichloroethene	ug/L				<	5	<	5	<	5	<	*1*
1,2 Dichloroethane	ug/L				<	5	<	5	<	5	<	*1*
1,2 Dichloroethene	ug/L				<	10	<	10	<	10	<	*2*
1,2 Dichloropropane	ug/L				<	5	<	5	<	5	<	*1*
111 Trichloroethane	ug/L				<	5	<	5	<	5	<	*1*
112 Trichloroethane	ug/L				<	5	<	5	<	5	<	*1*
1122Tetrachloroethane	ug/L				<	5	<	5	<	5	<	*1*
2-Butanone	ug/L				<	50	<	50	<	50	<	*10*
2-Hexanone	ug/L				<	50	<	50	<	50	<	*10*
4-Methyl-2-Pentanone	ug/L				<	50	<	50	<	50	<	*10*
Acetone	ug/L				<	50	<	50	<	50	<	*10*
Benzene	ug/L		134	57	<	5	<	5	<	5		*6*
Bromodichloromethane	ug/L				<	5	<	5	<	5	<	*1*
Bromoform	ug/L				<	5	<	5	<	5	<	*1*
Bromomethane	ug/L				<	5	<	5	<	5	<	*1*
c-1,3Dichloropropene	ug/L				<	5	<	5	<	5	<	*1*
Carbon disulfide	ug/L				<	5		15	<	5	<	*1*
Carbon Tetrachloride	ug/L				<	5	<	5	<	5	<	*1*

April - June 2010 PENN AVE LF - M1 - Lab Summary

		Permit			4/20&21/10		05/11/10		06/03/10		*06/09/10*	
Analyte	**Unit**	**Max. Conc.**	**Daily Limit**	**Monthly Limit**		**Results**		**Results**		**Results**		***IPP Plant INFLUENT***
Chlorobenzene	ug/L				<	5	<	5		8		*37*
Chlorodibromomethane	ug/L				<	5	<	5	<	5	<	*1*
Chloroethane	ug/L				<	5	<	5	<	5	<	*1*
Chloroform	ug/L				<	5	<	5	<	5	<	*1*
Chloromethane	ug/L				<	5	<	5	<	5	<	*1*
Ethyl Benzene	ug/L		380	142	<	5	<	5	<	5		*2*
m + p Xylene	ug/L				<	10	<	10	<	10	<	*2*
Methylene Chloride	ug/L				<	5	<	5	<	5	<	*1*
o Xylene	ug/L				<	5	<	5	<	5	<	*1*
Styrene	ug/L				<	5	<	5	<	5	<	*1*
t-1,3Dichloropropene	ug/L				<	5	<	5	<	5	<	*1*
Tetrachloroethene	ug/L	20			<	5	<	5	<	5	<	*1*
ter.ButylMethylEther	ug/L	50			<	5	<	5	<	5	<	*1*
Toluene	ug/L		74	28	<	5	<	5	<	5	<	*1*
Trichloroethene	ug/L				<	5	<	5	<	5	<	*1*
Vinyl Chloride	ug/L				<	5	<	5	<	5	<	*1*
Xylene	ug/L		74	28	<	15	<	15	<	15	<	*3*
SVOs												
1,2 Dichlorobenzene(sv)	ug/L				<	1	<	1	<	1	<	*1*
1,3 Dichlorobenzene(sv)	ug/L				<	1	<	1	<	1	<	*1*
1,4 Dichlorobenzene(sv)	ug/L				<	1	<	1	<	1	<	*1*
124-Trichlorobenzene (sv)	ug/L				<	1	<	1	<	1	<	*1*
2,4-Dinitrotoluene	ug/L				<	1	<	1	<	1	<	*1*
2,6-Dinitrotoluene	ug/L				<	1	<	1	<	1	<	*1*
2-Chloronaphthalene	ug/L				<	1	<	1	<	1	<	*1*
2-Methylnaphthalene	ug/L				<	1	<	1	<	1	<	*1*
2-Nitroaniline	ug/L				<	1	<	1	<	1	<	*1*
3,3'-Dichlorobenzidine	ug/L				<	10	<	10	<	10	<	*10*
3-Nitroaniline	ug/L				<	1	<	1	<	1	<	*1*
4-Bromophenyl phenyl ether	ug/L				<	1	<	1	<	1	<	*1*
4-Chloroaniline	ug/L				<	1	<	1	<	1	<	*1*
4-Chlorophenyl phenyl ether	ug/L				<	1	<	1	<	1	<	*1*
4-Nitroaniline	ug/L				<	1	<	1	<	1	<	*1*
Acenaphthene	ug/L				<	1	<	1	<	1	<	*1*
Acenaphthylene	ug/L				<	1	<	1	<	1	<	*1*
Anthracene	ug/L				<	1	<	1	<	1	<	*1*
Benzo(a)anthracene	ug/L				<	1	<	1	<	1	<	*1*
Benzo(a)pyrene	ug/L				<	1	<	1	<	1	<	*1*
Benzo(b)fluoranthene	ug/L				<	1	<	1	<	1	<	*1*
Benzo(ghi)perylene	ug/L				<	1	<	1	<	1	<	*1*
Benzo(k)fluoranthene	ug/L				<	1	<	1	<	1	<	*1*
BenzylButylPhthalate	ug/L				<	1	<	1	<	1	<	*1*
Bis(2-chloroethoxy)methane	ug/L				<	1	<	1	<	1	<	*1*
Bis(2-chloroethyl)ether	ug/L				<	1	<	1	<	1	<	*1*
Bis(2-chloroisopropyl)ether	ug/L				<	1	<	1	<	1	<	*1*
Bis(2-ethylhexyl)phthalate	ug/L					1.2		5.5		4.8		*6.7*
Carbazole	ug/L				<	1	<	1	<	1	<	*1*
Chrysene	ug/L				<	1	<	1	<	1	<	*1*
Di-n-Butyl Phthalate	ug/L					1.1		1.4	<	1		*1.2*
Di-n-octyl Phthalate	ug/L				<	1	<	1	<	1	<	*1*
Dibenzo(a,h)anthracene	ug/L				<	1	<	1	<	1	<	*1*

April - June 2010 PENN AVE LF - M1 - Lab Summary

		Permit			4/20&21/10		05/11/10		06/03/10		*06/09/10*	
Analyte	**Unit**	**Max. Conc.**	**Daily Limit**	**Monthly Limit**		**Results**		**Results**		**Results**		***IPP Plant INFLUENT***
Dibenzofuran	ug/L				<	1	<	1	<	1	<	*1*
Diethyl Phthalate	ug/L				<	1	<	1	<	1	<	*1*
Dimethyl Phthalate	ug/L				<	1	<	1	<	1	<	*1*
Fluoranthene	ug/L				<	1	<	1	<	1	<	*1*
Fluorene	ug/L				<	1	<	1	<	1	<	*1*
Hexachlorobenzene	ug/L				<	1	<	1	<	1	<	*1*
Hexachlorobutadiene	ug/L				<	1	<	1	<	1	<	*1*
Hexachlorocyclopentadiene	ug/L				<	10	<	10	<	10	<	*10*
Hexachloroethane	ug/L				<	1	<	1	<	1	<	*1*
Indeno(1,2,3-cd)pyrene	ug/L				<	1	<	1	<	1	<	*1*
Isophorone	ug/L				<	1	<	1	<	1	<	*1*
N-Nitrosodi-n-propylamine	ug/L				<	1	<	1	<	1	<	*1*
N-Nitrosodiphenylamine	ug/L				<	1	<	1	<	1	<	*1*
Naphthalene(sv)	ug/L		47	19	<	1	<	1	<	1	<	*1*
Nitrobenzene	ug/L				<	1	<	1	<	1	<	*1*
Phenanthrene	ug/L				<	1	<	1	<	1	<	*1*
Pyrene	ug/L				<	1	<	1	<	1	<	*1*
2,4,5-Trichlorophenol	ug/L				<	1	<	1	<	1	<	*1*
2,4,6-Trichlorophenol	ug/L				<	1	<	1	<	1	<	*1*
2,4-Dichlorophenol	ug/L				<	1	<	1	<	1	<	*1*
2,4-Dimethylphenol	ug/L				<	1	<	1	<	1	<	*1*
2,4-Dinitrophenol	ug/L				<	10	<	10	<	10	<	*10*
2-Chlorophenol	ug/L				<	1	<	1	<	1	<	*1*
2-Methyl-4,6-dinitrophenol	ug/L				<	10	<	10	<	10	<	*10*
2-Methylphenol (o-cresol)	ug/L				<	1	<	1	<	1	<	*1*
2-Nitrophenol	ug/L				<	1	<	1	<	1	<	*1*
4-Chloro-3-methylphenol	ug/L				<	1	<	1	<	1	<	*1*
4-Methylphenol (p-cresol)	ug/L				<	1	<	1	<	1	<	*1*
4-Nitrophenol	ug/L				<	10	<	10	<	10	<	*10*
Pentachlorophenol (ms)	ug/L				<	10	<	10	<	10	<	*10*
Phenol	ug/L				<	1	<	1	<	1	<	*1*
PCBs		1	(Total PCBs)									
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	<	0.065	<	0.065	<	*0.065*

Max Permit Flow (GPD):	**43,000**											
						Apr-10		**May-10**		**Jun-10**		
		Average Flow (GPD)				**30,882**		**25,802**		**23,696**		
		Maximum Flow (GPD)				**35,496**		**32,000**		**31,150**		

Leachate Treatment Building Methane (% by Volume)				**Fourth Quarter 2009**	
	Apr 20	May 11	Jun 3	**Average Flow (GPD)**	**26,798**
Inside Building	0.0	0.0	0.0	**Maximum Flow (GPD)**	**35,496**
On top of the Oil Water Separator	0.0	0.0	0.0	**Average GPM:**	**18.6**

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.101672.01 04/30/10

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:04/21/10 RECEIVED:04/21/10
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		042710	1	EPA625
1,3 Dichlorobenzene(sv)	ug/L	< 1		042710	1	EPA625
1,4 Dichlorobenzene(sv)	ug/L	< 1		042710	1	EPA625
Carbazole	ug/L	< 1		042710	1	EPA625
1,2 Dichlorobenzene(sv)	ug/L	< 1		042710	1	EPA625
Bis(2-chloroisopropyl)ether	ug/L	< 1		042710	1	EPA625
N-Nitrosodi-n-propylamine	ug/L	< 1		042710	1	EPA625
Hexachloroethane	ug/L	< 1		042710	1	EPA625
Nitrobenzene	ug/L	< 1		042710	1	EPA625
Isophorone	ug/L	< 1		042710	1	EPA625
Bis(2-chloroethoxy)methane	ug/L	< 1		042710	1	EPA625
124-Trichlorobenzene (sv)	ug/L	< 1		042710	1	EPA625
Naphthalene(sv)	ug/L	< 1		042710	1	EPA625
4-Chloroaniline	ug/L	< 1		042710	1	EPA625
Hexachlorobutadiene	ug/L	< 1		042710	1	EPA625
2-Methylnaphthalene	ug/L	< 1		042710	1	EPA625
Hexachlorocyclopentadiene	ug/L	< 10		042710	10	EPA625
2-Chloronaphthalene	ug/L	< 1		042710	1	EPA625
2-Nitroaniline	ug/L	< 1		042710	1	EPA625
Dimethyl Phthalate	ug/L	< 1		042710	1	EPA625
Acenaphthylene	ug/L	< 1		042710	1	EPA625
2,6-Dinitrotoluene	ug/L	< 1		042710	1	EPA625
3-Nitroaniline	ug/L	< 1		042710	1	EPA625
Acenaphthene	ug/L	< 1		042710	1	EPA625
Dibenzofuran	ug/L	< 1		042710	1	EPA625

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 4/20/10 @ 13:00 and 4/21/10 @ 12:00.

DIRECTOR

rn = 9388 NYSDOH ID # 10320

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

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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

LAB NO.101672.01 04/30/10

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:04/21/10 RECEIVED:04/21/10
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		042710	1	EPA625
Diethyl Phthalate	ug/L	< 1		042710	1	EPA625
4-Chlorophenyl phenyl ether	ug/L	< 1		042710	1	EPA625
Fluorene	ug/L	< 1		042710	1	EPA625
4-Nitroaniline	ug/L	< 1		042710	1	EPA625
N-Nitrosodiphenylamine	ug/L	< 1		042710	1	EPA625
4-Bromophenyl phenyl ether	ug/L	< 1		042710	1	EPA625
Hexachlorobenzene	ug/L	< 1		042710	1	EPA625
Phenanthrene	ug/L	< 1		042710	1	EPA625
Anthracene	ug/L	< 1		042710	1	EPA625
Di-n-Butyl Phthalate	ug/L	1.1	@	042710	1	EPA625
Fluoranthene	ug/L	< 1		042710	1	EPA625
Pyrene	ug/L	< 1		042710	1	EPA625
BenzylButylPhthalate	ug/L	< 1		042710	1	EPA625
3,3'-Dichlorobenzidine	ug/L	< 10		042710	10	EPA625
Benzo(a)anthracene	ug/L	< 1		042710	1	EPA625

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 4/20/10 @ 13:00 and 4/21/10 @ 12:00.
@Method blank contains 0.9 ug/L of di-n-butylphthalate.

DIRECTOR

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

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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

LAB NO.101672.01 04/30/10

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:04/21/10 RECEIVED:04/21/10
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		042710	1	EPA625
Bis(2-ethylhexyl)phthalate	ug/L	1.2	#	042710	1	EPA625
Di-n-octyl Phthalate	ug/L	< 1		042710	1	EPA625
Benzo(b)fluoranthene	ug/L	< 1		042710	1	EPA625
Benzo(k)fluoranthene	ug/L	< 1		042710	1	EPA625
Benzo(a)pyrene	ug/L	< 1		042710	1	EPA625
Indeno(1,2,3-cd)pyrene	ug/L	< 1		042710	1	EPA625
Dibenzo(a,h)anthracene	ug/L	< 1		042710	1	EPA625
Benzo(ghi)perylene	ug/L	< 1		042710	1	EPA625

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 4/20/10 @ 13:00 and 4/21/10 @ 12:00.
#Method blank contains 1.2 ug/L of Bis(2-ethylhexyl) phthalate.

DIRECTOR

rn = 9390 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.101672.01 04/30/10

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:04/21/10 RECEIVED:04/21/10
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		042710	1	EPA625
2-Chlorophenol	ug/L	< 1		042710	1	EPA625
2-Methylphenol (o-cresol)	ug/L	< 1		042710	1	EPA625
4-Methylphenol (p-cresol)	ug/L	< 1		042710	1	EPA625
2-Nitrophenol	ug/L	< 1		042710	1	EPA625
2,4-Dimethylphenol	ug/L	< 1		042710	1	EPA625
2,4-Dichlorophenol	ug/L	< 1		042710	1	EPA625
4-Chloro-3-methylphenol	ug/L	< 1		042710	1	EPA625
2,4,6-Trichlorophenol	ug/L	< 1		042710	1	EPA625
2,4,5-Trichlorophenol	ug/L	< 1		042710	1	EPA625
2,4-Dinitrophenol	ug/L	< 10		042710	10	EPA625
4-Nitrophenol	ug/L	< 10		042710	10	EPA625
2-Methyl-4,6-dinitrophenol	ug/L	< 10		042710	10	EPA625
Pentachlorophenol (ms)	ug/L	< 10		042710	10	EPA625

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 4/20/10 @ 13:00 and 4/21/10 @ 12:00.

DIRECTOR

rn = 9391 NYSDOH ID # 10320

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

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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

LAB NO.101672.01 05/06/10

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:04/21/10 RECEIVED:04/21/10
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		042610	0.065	EPA608
Aroclor 1221	ug/L	< 0.065		042610	0.065	EPA608
Aroclor 1232	ug/L	< 0.065		042610	0.065	EPA608
Aroclor 1242	ug/L	< 0.065		042610	0.065	EPA608
Aroclor 1248	ug/L	< 0.065		042610	0.065	EPA608
Aroclor 1254	ug/L	< 0.065		042610	0.065	EPA608
Aroclor 1260	ug/L	< 0.065		042610	0.065	EPA608
Cadmium as Cd	mg/L	< 0.005		042310	0.005	EPA200.7
Chromium as Cr	mg/L	0.005		042310	0.005	EPA200.7
Copper as Cu	mg/L	0.01		042310	0.01	EPA200.7
Lead as Pb	mg/L	< 0.005		042310	0.005	EPA200.7
Mercury as Hg	mg/L	< 0.00025		042310	0.000	EPA245.2
Molybdenum as Mo	mg/L	< 0.005		042310	0.005	EPA200.7
Nickel as Ni	mg/L	0.01		042310	0.01	EPA200.7
Silver as Ag	mg/L	< 0.005		042310	0.005	EPA200.7
Zinc as Zn	mg/L	0.03		042310	0.01	EPA200.7
Chromium hex as Cr	mg/L	< 0.02		042210 1100	0.02	203500CrB
Carbonaceous BOD5	mg/L	270	**	042810 1400	100	5210B
Tot. Kjeldahl N.	mg/L	38		042310	0.2	4500NORGB
Nitrate as N	mg/L	< 0.5		042310	0.5	EPA353.2
Nitrogen, total as N	mg/L	38		042310	0.2	EPA351,353
Chloride as Cl	mg/L	3800		042210	100	204500C1B

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 4/20/10 @ 13:00 and 4/21/10 @ 12:00.
**CBOD exceeded expected range; rerun performed after holding time was expired.
Revised report; CBOD rerun result reported. Replaces report page with print date of 4-30-10.

DIRECTOR

rn = 9392 NYSDOH ID # 10320

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

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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

LAB NO.101672.02 04/30/10

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:04/21/10 RECEIVED:04/21/10
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		042210	5	EPA624
Bromomethane	ug/L	< 5		042210	5	EPA624
Vinyl Chloride	ug/L	< 5		042210	5	EPA624
Chloroethane	ug/L	< 5		042210	5	EPA624
Methylene Chloride	ug/L	< 5		042210	5	EPA624
Acetone	ug/L	< 50		042210	50	EPA624
Carbon disulfide	ug/L	< 5		042210	5	EPA624
1,1 Dichloroethene	ug/L	< 5		042210	5	EPA624
1,1 Dichloroethane	ug/L	< 5		042210	5	EPA624
1,2 Dichloroethene	ug/L	< 10		042210	10	EPA624
Chloroform	ug/L	< 5		042210	5	EPA624
1,2 Dichloroethane	ug/L	< 5		042210	5	EPA624
2-Butanone	ug/L	< 50		042210	50	EPA624
111 Trichloroethane	ug/L	< 5		042210	5	EPA624
Carbon Tetrachloride	ug/L	< 5		042210	5	EPA624
Bromodichloromethane	ug/L	< 5		042210	5	EPA624
1,2 Dichloropropane	ug/L	< 5		042210	5	EPA624
c-1,3Dichloropropene	ug/L	< 5		042210	5	EPA624
Trichloroethene	ug/L	< 5		042210	5	EPA624
Chlorodibromomethane	ug/L	< 5		042210	5	EPA624
112 Trichloroethane	ug/L	< 5		042210	5	EPA624
Benzene	ug/L	< 5		042210	5	EPA624
t-1,3Dichloropropene	ug/L	< 5		042210	5	EPA624
Bromoform	ug/L	< 5		042210	5	EPA624
4-Methyl-2-Pentanone	ug/L	< 50		042210	50	EPA624

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by EcoTest Labs.
* Collected at 13:30, 15:00 on 4/20/10 and 08:00, 10:00 on 4/21/10.

DIRECTOR

rn = 9393 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.101672.02 04/30/10

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:04/21/10 RECEIVED:04/21/10
TIME COL'D:*
MATRIX:Water SAMPLE: M1-4 Grab Composite

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
2-Hexanone	ug/L	< 50	042210	50	EPA624
Tetrachloroethene	ug/L	< 5	042210	5	EPA624
Toluene	ug/L	< 5	042210	5	EPA624
1122Tetrachloroethane	ug/L	< 5	042210	5	EPA624
Chlorobenzene	ug/L	< 5	042210	5	EPA624
Ethyl Benzene	ug/L	< 5	042210	5	EPA624
Styrene	ug/L	< 5	042210	5	EPA624
o Xylene	ug/L	< 5	042210	5	EPA624
m + p Xylene	ug/L	< 10	042210	10	EPA624
Xylene	ug/L	< 15	042210	15	EPA624
ter.ButylMethylEther	ug/L	< 5	042210	5	EPA624
Cyanide as CN	mg/L	< 0.02	042610	0.02	EPA335.4
CN amen.to chlorin.	mg/L	< 0.02	042610	0.02	EPA335.4

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by EcoTest Labs.
* Collected at 13:30, 15:00 on 4/20/10 and 08:00, 10:00 on 4/21/10.

DIRECTOR

rn = 9394 NYSDOH ID # 10320

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

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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LAB NO.101672.03 04/30/10

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:04/20/10 RECEIVED:04/21/10
TIME COL'D:1330
MATRIX:Water SAMPLE: M1-13:30-Grab #1

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
pH@lab units		6.2		042210 1055	0.1	4500HB
Tot Suspended Solids	mg/L	22		042210	3.3	2540D
Non-polar Material	mg/L	< 5		042310	5	EPA1664

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 9395 NYSDOH ID # 10320

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

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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LAB NO.101672.04 04/30/10

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:04/20/10 RECEIVED:04/21/10
TIME COL'D:1500
MATRIX:Water SAMPLE: M1-15:00-Grab #2

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
pH@lab units		6.2		042210 1057	0.1	4500HB
Tot Suspended Solids	mg/L	11		042210	2.5	2540D
Non-polar Material	mg/L	< 5		042310	5	EPA1664

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 9396 NYSDOH ID # 10320

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

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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LAB NO.101672.05 04/30/10

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:04/21/10 RECEIVED:04/21/10
TIME COL'D:0800
MATRIX:Water SAMPLE: M1-08:00-Grab #3

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
pH@lab units		6.2		042210 1058	0.1	4500HB
Tot Suspended Solids	mg/L	36		042210	3.3	2540D
Non-polar Material	mg/L	< 5		042310	5	EPA1664

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 9397 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.101672.06 04/30/10

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:04/21/10 RECEIVED:04/21/10
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		6.1		042210 1058	0.1	4500HB
Tot Suspended Solids	mg/L	14		042210	3.3	2540D
Non-polar Material	mg/L	< 5		042310	5	EPA1664

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 9398 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

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, EM, NS & RK**
Source: **Pennsylvannia Avenue Landfill**
Job No.: 200903

M1

April, 20 & 21, 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	4/20/10	13:30	M1 - 13:30 - Grab #1	5	2	1	1	1										TSS, pH, HEM-NPM, CBOD, Chloride,
Water	4/20/10	15:00	M1 - 15:00 - Grab #2	5	2	1	1	1										Cyanide (Total & Amenable), Nitrogen,
Water	4/21/10	8:00	M1 - 8:00 - Grab #3	5	2	1	1	1										VOCs & SVOCs, Benzene, Ethylbenzene,
Water	4/21/10	10:00	M1 - 10:00 - Grab #4	5	2	1	1	1										Xylenes, MTBE, Tetrachloroethylene,
																		Toluene, Naphthalene, Phenols,
Water			M1 - 24 Hour Composite	7						2	1	1	1	1	1			Metals (Cu, Pb, Hg, Mo, Ni, Ag, Zn)
Start:	4/20/10	13:00																Cadmium, Chromium (Total & Hex),
End:	4/21/10	12:00																PCBs
																		(EPA 40 CFR Part 136 approved methods)

Relinquished by: (Signature)	Date: 4/21/10	SEAL INTACT? YES NO NA	Received by: (Signature)	Relinquished by: (Signature)	Date:	SEAL INTACT? YES NO NA	Received by: (Signature)
Representing: STRATIS	Time: 14:51		Representing:	Representing:	Time:		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*

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

LAB NO.102000.01 05/21/10

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:05/12/10 RECEIVED:05/12/10
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		051910	1	EPA625
1,3 Dichlorobenzene(sv)	ug/L	< 1		051910	1	EPA625
1,4 Dichlorobenzene(sv)	ug/L	< 1		051910	1	EPA625
Carbazole	ug/L	< 1		051910	1	EPA625
1,2 Dichlorobenzene(sv)	ug/L	< 1		051910	1	EPA625
Bis(2-chloroisopropyl)ether	ug/L	< 1		051910	1	EPA625
N-Nitrosodi-n-propylamine	ug/L	< 1		051910	1	EPA625
Hexachloroethane	ug/L	< 1		051910	1	EPA625
Nitrobenzene	ug/L	< 1		051910	1	EPA625
Isophorone	ug/L	< 1		051910	1	EPA625
Bis(2-chloroethoxy)methane	ug/L	< 1		051910	1	EPA625
124-Trichlorobenzene (sv)	ug/L	< 1		051910	1	EPA625
Naphthalene(sv)	ug/L	< 1		051910	1	EPA625
4-Chloroaniline	ug/L	< 1		051910	1	EPA625
Hexachlorobutadiene	ug/L	< 1		051910	1	EPA625
2-Methylnaphthalene	ug/L	< 1		051910	1	EPA625
Hexachlorocyclopentadiene	ug/L	< 10		051910	10	EPA625
2-Chloronaphthalene	ug/L	< 1		051910	1	EPA625
2-Nitroaniline	ug/L	< 1		051910	1	EPA625
Dimethyl Phthalate	ug/L	< 1		051910	1	EPA625
Acenaphthylene	ug/L	< 1		051910	1	EPA625
2,6-Dinitrotoluene	ug/L	< 1		051910	1	EPA625
3-Nitroaniline	ug/L	< 1		051910	1	EPA625
Acenaphthene	ug/L	< 1		051910	1	EPA625
Dibenzofuran	ug/L	< 1		051910	1	EPA625

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 5/11/10 @ 07:45 and 5/12/10 @ 06:45.

DIRECTOR

rn = 11445 NYSDOH ID # 10320

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

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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

LAB NO.102000.01 05/21/10

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:05/12/10 RECEIVED:05/12/10
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		051910	1	EPA625
Diethyl Phthalate	ug/L	< 1		051910	1	EPA625
4-Chlorophenyl phenyl ether	ug/L	< 1		051910	1	EPA625
Fluorene	ug/L	< 1		051910	1	EPA625
4-Nitroaniline	ug/L	< 1		051910	1	EPA625
N-Nitrosodiphenylamine	ug/L	< 1		051910	1	EPA625
4-Bromophenyl phenyl ether	ug/L	< 1		051910	1	EPA625
Hexachlorobenzene	ug/L	< 1		051910	1	EPA625
Phenanthrene	ug/L	< 1		051910	1	EPA625
Anthracene	ug/L	< 1		051910	1	EPA625
Di-n-Butyl Phthalate	ug/L	1.4		051910	1	EPA625
Fluoranthene	ug/L	< 1		051910	1	EPA625
Pyrene	ug/L	< 1		051910	1	EPA625
BenzylButylPhthalate	ug/L	< 1		051910	1	EPA625
3,3'-Dichlorobenzidine	ug/L	< 10		051910	10	EPA625
Benzo(a)anthracene	ug/L	< 1		051910	1	EPA625

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 5/11/10 @ 07:45 and 5/12/10 @ 06:45.

DIRECTOR

rn = 11446 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.102000.01 05/21/10

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:05/12/10 RECEIVED:05/12/10
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		051910	1	EPA625
Bis(2-ethylhexyl)phthalate	ug/L	5.5	#	051910	1	EPA625
Di-n-octyl Phthalate	ug/L	< 1		051910	1	EPA625
Benzo(b)fluoranthene	ug/L	< 1		051910	1	EPA625
Benzo(k)fluoranthene	ug/L	< 1		051910	1	EPA625
Benzo(a)pyrene	ug/L	< 1		051910	1	EPA625
Indeno(1,2,3-cd)pyrene	ug/L	< 1		051910	1	EPA625
Dibenzo(a,h)anthracene	ug/L	< 1		051910	1	EPA625
Benzo(ghi)perylene	ug/L	< 1		051910	1	EPA625

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 5/11/10 @ 07:45 and 5/12/10 @ 06:45.
#Method blank contains 2.1 ug/L of Bis(2-ethylhexyl) phthalate.

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.102000.01 05/21/10

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:05/12/10 RECEIVED:05/12/10
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		051910	1	EPA625
2-Chlorophenol	ug/L	< 1		051910	1	EPA625
2-Methylphenol (o-cresol)	ug/L	< 1		051910	1	EPA625
4-Methylphenol (p-cresol)	ug/L	< 1		051910	1	EPA625
2-Nitrophenol	ug/L	< 1		051910	1	EPA625
2,4-Dimethylphenol	ug/L	< 1		051910	1	EPA625
2,4-Dichlorophenol	ug/L	< 1		051910	1	EPA625
4-Chloro-3-methylphenol	ug/L	< 1		051910	1	EPA625
2,4,6-Trichlorophenol	ug/L	< 1		051910	1	EPA625
2,4,5-Trichlorophenol	ug/L	< 1		051910	1	EPA625
2,4-Dinitrophenol	ug/L	< 10		051910	10	EPA625
4-Nitrophenol	ug/L	< 10		051910	10	EPA625
2-Methyl-4,6-dinitrophenol	ug/L	< 10		051910	10	EPA625
Pentachlorophenol (ms)	ug/L	< 10		051910	10	EPA625

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 5/11/10 @ 07:45 and 5/12/10 @ 06:45.

DIRECTOR

rn = 11448 NYSDOH ID # 10320

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

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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

LAB NO.102000.01 05/21/10

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:05/12/10 RECEIVED:05/12/10
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		051910	0.065	EPA608
Aroclor 1221	ug/L	< 0.065		051910	0.065	EPA608
Aroclor 1232	ug/L	< 0.065		051910	0.065	EPA608
Aroclor 1242	ug/L	< 0.065		051910	0.065	EPA608
Aroclor 1248	ug/L	< 0.065		051910	0.065	EPA608
Aroclor 1254	ug/L	< 0.065		051910	0.065	EPA608
Aroclor 1260	ug/L	< 0.065		051910	0.065	EPA608
Cadmium as Cd	mg/L	< 0.005		051410	0.005	EPA200.7
Chromium as Cr	mg/L	0.005		051410	0.005	EPA200.7
Copper as Cu	mg/L	< 0.01		051410	0.01	EPA200.7
Lead as Pb	mg/L	< 0.005		051410	0.005	EPA200.7
Mercury as Hg	mg/L	< 0.00025		051410	0.0002	EPA245.2
Molybdenum as Mo	mg/L	< 0.005		051410	0.005	EPA200.7
Nickel as Ni	mg/L	< 0.01		051410	0.01	EPA200.7
Silver as Ag	mg/L	< 0.005		051410	0.005	EPA200.7
Zinc as Zn	mg/L	< 0.01		051410	0.01	EPA200.7
Chromium hex as Cr	mg/L	< 0.02		051310 1200	0.02	203500CrB
Carbonaceous BOD5	mg/L	39		051210 1530	6	5210B
Tot. Kjeldahl N.	mg/L	66		051710	0.2	4500NORGB
Nitrate as N	mg/L	< 0.5		051410	0.5	EPA353.2
Nitrogen, total as N	mg/L	66		051710	0.2	EPA351,353
Chloride as Cl	mg/L	2800		051710	100	204500C1B

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 5/11/10 @ 07:45 and 5/12/10 @ 06:45.

DIRECTOR

rn = 11449 NYSDOH ID # 10320

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

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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LAB NO.102000.02 05/21/10

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:05/11/10 RECEIVED:05/12/10
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		051510	5	EPA624
Bromomethane	ug/L	< 5		051510	5	EPA624
Vinyl Chloride	ug/L	< 5		051510	5	EPA624
Chloroethane	ug/L	< 5		051510	5	EPA624
Methylene Chloride	ug/L	< 5		051510	5	EPA624
Acetone	ug/L	< 50		051510	50	EPA624
Carbon disulfide	ug/L	15		051510	5	EPA624
1,1 Dichloroethene	ug/L	< 5		051510	5	EPA624
1,1 Dichloroethane	ug/L	< 5		051510	5	EPA624
1,2 Dichloroethene	ug/L	< 10		051510	10	EPA624
Chloroform	ug/L	< 5		051510	5	EPA624
1,2 Dichloroethane	ug/L	< 5		051510	5	EPA624
2-Butanone	ug/L	< 50		051510	50	EPA624
111 Trichloroethane	ug/L	< 5		051510	5	EPA624
Carbon Tetrachloride	ug/L	< 5		051510	5	EPA624
Bromodichloromethane	ug/L	< 5		051510	5	EPA624
1,2 Dichloropropane	ug/L	< 5		051510	5	EPA624
c-1,3Dichloropropene	ug/L	< 5		051510	5	EPA624
Trichloroethene	ug/L	< 5		051510	5	EPA624
Chlorodibromomethane	ug/L	< 5		051510	5	EPA624
112 Trichloroethane	ug/L	< 5		051510	5	EPA624
Benzene	ug/L	< 5		051510	5	EPA624
t-1,3Dichloropropene	ug/L	< 5		051510	5	EPA624
Bromoform	ug/L	< 5		051510	5	EPA624
4-Methyl-2-Pentanone	ug/L	< 50		051510	50	EPA624

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by EcoTest Labs.
* Collected at 07:30, 09:00, 14:00, and 16:00.

DIRECTOR

rn = 11450 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.102000.02 05/21/10

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:05/11/10 RECEIVED:05/12/10
TIME COL'D:*
MATRIX:Water SAMPLE: M1-4 Grab Composite

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
2-Hexanone	ug/L	< 50	051510	50	EPA624
Tetrachloroethene	ug/L	< 5	051510	5	EPA624
Toluene	ug/L	< 5	051510	5	EPA624
1122Tetrachloroethane	ug/L	< 5	051510	5	EPA624
Chlorobenzene	ug/L	< 5	051510	5	EPA624
Ethyl Benzene	ug/L	< 5	051510	5	EPA624
Styrene	ug/L	< 5	051510	5	EPA624
o Xylene	ug/L	< 5	051510	5	EPA624
m + p Xylene	ug/L	< 10	051510	10	EPA624
Xylene	ug/L	< 15	051510	15	EPA624
ter.ButylMethylEther	ug/L	< 5	051510	5	EPA624
Cyanide as CN	mg/L	< 0.02	051710	0.02	EPA335.4
CN amen.to chlorin.	mg/L	< 0.02	051710	0.02	EPA335.4

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by EcoTest Labs.
* Collected at 07:30, 09:00, 14:00, and 16:00.

DIRECTOR

rn = 11451 NYSDOH ID # 10320

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

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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

LAB NO.102000.03 05/21/10

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:05/11/10 RECEIVED:05/12/10
TIME COL'D:0730
MATRIX:Water SAMPLE: M1-07:30-Grab #1

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
pH@lab units		6.8		051310 1018	0.1	4500HB
Tot Suspended Solids	mg/L	11		051810	2.5	2540D
Non-polar Material	mg/L	< 5		051310	5	EPA1664

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 11452 NYSDOH ID # 10320

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

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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LAB NO.102000.04 05/21/10

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:05/11/10 RECEIVED:05/12/10
TIME COL'D:0900
MATRIX:Water SAMPLE: M1-09:00-Grab #2

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
pH@lab units		6.8		051310 1021	0.1	4500HB
Tot Suspended Solids	mg/L	10		051810	2.5	2540D
Non-polar Material	mg/L	< 5		051310	5	EPA1664

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 11453 NYSDOH ID # 10320

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

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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LAB NO.102000.05 05/21/10

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:05/11/10 RECEIVED:05/12/10
TIME COL'D:1400
MATRIX:Water SAMPLE: M1-14:00-Grab #3

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
pH@lab units		6.8	051310 1023	0.1	4500HB
Tot Suspended Solids	mg/L	17	051810	2.5	2540D
Non-polar Material	mg/L	< 5	051310	5	EPA1664

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 11454 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

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LAB NO.102000.06 05/21/10

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:05/11/10 RECEIVED:05/12/10
TIME COL'D:1600
MATRIX:Water SAMPLE: M1-16:00-Grab #4

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
pH@lab units		6.8	051310 1025	0.1	4500HB
Tot Suspended Solids	mg/L	8	051810	2.5	2540D
Non-polar Material	mg/L	< 5	051310	5	EPA1664

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 11455 NYSDOH ID # 10320 Page 1 of 1

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

102000 11

ECOTEST LABORATORIES, INC. • ENVIRONMENTAL TESTING

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(631) 422-5777 • FAX (631) 422-5770 • Email: ecotestlab@aol.com

CHAIN OF CUSTODY RECORD

M1

5/11/10

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	5/11/10	7:30	M1 - 7:30 - Grab #1	5	2	1	1	1										TSS, pH, HEM-NPM, CBOD, Chloride,
Water	5/11/10	9:00	M1 - 9:00 - Grab #2	5	2	1	1	1										Cyanide (Total & Amenable), Nitrogen,
Water	5/11/10	14:00	M1 - 14:00 - Grab #3	5	2	1	1	1										VOCs & SVOCs, Benzene, Ethylbenzene,
Water	5/11/10	16:00	M1 - 16:00 - Grab #4	5	2	1	1	1										Xylenes, MTBE, Tetrachloroethylene,
																		Toluene, Naphthalene, Phenols,
Water			**M1** - 24 Hour Composite	7						2	1	1	1	1	1			Metals (Cu, Pb, Hg, Mo, Ni, Ag, Zn)
Start:	5/11/10	7:45																Cadmium, Chromium (Total & Hex),
End:	5/12/10	6:45																PCBs
																		(EPA 40 CFR Part 136 approved methods)
																		Temp=0.7°C

Relinquished by: (Signature)	Date: 5/12/10 Time: 14:50	SEAL INTACT? YES NO NA	Received by: (Signature)	Relinquished by: (Signature)	Date: Time:	SEAL INTACT? YES NO NA	Received by: (Signature)
Representing: Stratis			Representing:	Representing:			Representing:
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)
Representing:			Representing:	Representing:			Representing:

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

LAB NO.102476.01 06/14/10

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:06/04/10 RECEIVED:06/04/10
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		060810	1	EPA625
1,3 Dichlorobenzene(sv)	ug/L	< 1		060810	1	EPA625
1,4 Dichlorobenzene(sv)	ug/L	< 1		060810	1	EPA625
Carbazole	ug/L	< 1		060810	1	EPA625
1,2 Dichlorobenzene(sv)	ug/L	< 1		060810	1	EPA625
Bis(2-chloroisopropyl)ether	ug/L	< 1		060810	1	EPA625
N-Nitrosodi-n-propylamine	ug/L	< 1		060810	1	EPA625
Hexachloroethane	ug/L	< 1		060810	1	EPA625
Nitrobenzene	ug/L	< 1		060810	1	EPA625
Isophorone	ug/L	< 1		060810	1	EPA625
Bis(2-chloroethoxy)methane	ug/L	< 1		060810	1	EPA625
124-Trichlorobenzene (sv)	ug/L	< 1		060810	1	EPA625
Naphthalene(sv)	ug/L	< 1		060810	1	EPA625
4-Chloroaniline	ug/L	< 1		060810	1	EPA625
Hexachlorobutadiene	ug/L	< 1		060810	1	EPA625
2-Methylnaphthalene	ug/L	< 1		060810	1	EPA625
Hexachlorocyclopentadiene	ug/L	< 10		060810	10	EPA625
2-Chloronaphthalene	ug/L	< 1		060810	1	EPA625
2-Nitroaniline	ug/L	< 1		060810	1	EPA625
Dimethyl Phthalate	ug/L	< 1		060810	1	EPA625
Acenaphthylene	ug/L	< 1		060810	1	EPA625
2,6-Dinitrotoluene	ug/L	< 1		060810	1	EPA625
3-Nitroaniline	ug/L	< 1		060810	1	EPA625
Acenaphthene	ug/L	< 1		060810	1	EPA625
Dibenzofuran	ug/L	< 1		060810	1	EPA625

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 6/03/10 @ 08:45 and 6/04/10 @ 07:45.

DIRECTOR

rn = 14151 NYSDOH ID # 10320

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

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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LAB NO.102476.01 06/14/10

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:06/04/10 RECEIVED:06/04/10
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		060810	1	EPA625
Diethyl Phthalate	ug/L	< 1		060810	1	EPA625
4-Chlorophenyl phenyl ether	ug/L	< 1		060810	1	EPA625
Fluorene	ug/L	< 1		060810	1	EPA625
4-Nitroaniline	ug/L	< 1		060810	1	EPA625
N-Nitrosodiphenylamine	ug/L	< 1		060810	1	EPA625
4-Bromophenyl phenyl ether	ug/L	< 1		060810	1	EPA625
Hexachlorobenzene	ug/L	< 1		060810	1	EPA625
Phenanthrene	ug/L	< 1		060810	1	EPA625
Anthracene	ug/L	< 1		060810	1	EPA625
Di-n-Butyl Phthalate	ug/L	< 1		060810	1	EPA625
Fluoranthene	ug/L	< 1		060810	1	EPA625
Pyrene	ug/L	< 1		060810	1	EPA625
BenzylButylPhthalate	ug/L	< 1		060810	1	EPA625
3,3'-Dichlorobenzidine	ug/L	< 10		060810	10	EPA625
Benzo(a)anthracene	ug/L	< 1		060810	1	EPA625

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 6/03/10 @ 08:45 and 6/04/10 @ 07:45.

DIRECTOR

rn = 14152 NYSDOH ID # 10320

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

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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

LAB NO.102476.01 06/14/10

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:06/04/10 RECEIVED:06/04/10
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		060810	1	EPA625
Bis(2-ethylhexyl)phthalate	ug/L	4.8	#	060810	1	EPA625
Di-n-octyl Phthalate	ug/L	< 1		060810	1	EPA625
Benzo(b)fluoranthene	ug/L	< 1		060810	1	EPA625
Benzo(k)fluoranthene	ug/L	< 1		060810	1	EPA625
Benzo(a)pyrene	ug/L	< 1		060810	1	EPA625
Indeno(1,2,3-cd)pyrene	ug/L	< 1		060810	1	EPA625
Dibenzo(a,h)anthracene	ug/L	< 1		060810	1	EPA625
Benzo(ghi)perylene	ug/L	< 1		060810	1	EPA625

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 6/03/10 @ 08:45 and 6/04/10 @ 07:45.
#Method blank contains 0.9 ug/L of Bis(2-ethylhexyl) phthalate.

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.102476.01 06/14/10

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:06/04/10 RECEIVED:06/04/10
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		060810	1	EPA625
2-Chlorophenol	ug/L	< 1		060810	1	EPA625
2-Methylphenol (o-cresol)	ug/L	< 1		060810	1	EPA625
4-Methylphenol (p-cresol)	ug/L	< 1		060810	1	EPA625
2-Nitrophenol	ug/L	< 1		060810	1	EPA625
2,4-Dimethylphenol	ug/L	< 1		060810	1	EPA625
2,4-Dichlorophenol	ug/L	< 1		060810	1	EPA625
4-Chloro-3-methylphenol	ug/L	< 1		060810	1	EPA625
2,4,6-Trichlorophenol	ug/L	< 1		060810	1	EPA625
2,4,5-Trichlorophenol	ug/L	< 1		060810	1	EPA625
2,4-Dinitrophenol	ug/L	< 10		060810	10	EPA625
4-Nitrophenol	ug/L	< 10		060810	10	EPA625
2-Methyl-4,6-dinitrophenol	ug/L	< 10		060810	10	EPA625
Pentachlorophenol (ms)	ug/L	< 10		060810	10	EPA625

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 6/03/10 @ 08:45 and 6/04/10 @ 07:45.

DIRECTOR

rn = 14154 NYSDOH ID # 10320

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

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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

LAB NO.102476.01 06/14/10

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:06/04/10 RECEIVED:06/04/10
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		060910	0.065	EPA608
Aroclor 1221	ug/L	< 0.065		060910	0.065	EPA608
Aroclor 1232	ug/L	< 0.065		060910	0.065	EPA608
Aroclor 1242	ug/L	< 0.065		060910	0.065	EPA608
Aroclor 1248	ug/L	< 0.065		060910	0.065	EPA608
Aroclor 1254	ug/L	< 0.065		060910	0.065	EPA608
Aroclor 1260	ug/L	< 0.065		060910	0.065	EPA608
Cadmium as Cd	mg/L	< 0.005		060810	0.005	EPA200.7
Chromium as Cr	mg/L	0.008		060810	0.005	EPA200.7
Copper as Cu	mg/L	< 0.01		060810	0.01	EPA200.7
Lead as Pb	mg/L	< 0.005		060810	0.005	EPA200.7
Mercury as Hg	mg/L	< 0.00025		060910	0.0002	EPA245.2
Molybdenum as Mo	mg/L	< 0.005		060810	0.005	EPA200.7
Nickel as Ni	mg/L	< 0.01		060810	0.01	EPA200.7
Silver as Ag	mg/L	< 0.005		060810	0.005	EPA200.7
Zinc as Zn	mg/L	< 0.01		060810	0.01	EPA200.7
Chromium hex as Cr	mg/L	< 0.02		060710 1600	0.02	203500CrB
Carbonaceous BOD5	mg/L	93		060410 1730	30	5210B
Tot. Kjeldahl N.	mg/L	95		060810	0.2	SM4500NORGB
Nitrate as N	mg/L	< 0.5		061010	0.5	EPA353.2
Nitrogen, total as N	mg/L	95		061010	0.2	EPA351,353
Chloride as Cl	mg/L	4200		060910	100	204500C1B

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 6/03/10 @ 08:45 and 6/04/10 @ 07:45.

DIRECTOR

rn = 14155 NYSDOH ID # 10320

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

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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

LAB NO.102476.02 06/14/10

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:06/03/10 RECEIVED:06/04/10
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		060410	5	EPA624
Bromomethane	ug/L	< 5		060410	5	EPA624
Vinyl Chloride	ug/L	< 5		060410	5	EPA624
Chloroethane	ug/L	< 5		060410	5	EPA624
Methylene Chloride	ug/L	< 5		060410	5	EPA624
Acetone	ug/L	< 50		060410	50	EPA624
Carbon disulfide	ug/L	< 5		060410	5	EPA624
1,1 Dichloroethene	ug/L	< 5		060410	5	EPA624
1,1 Dichloroethane	ug/L	< 5		060410	5	EPA624
1,2 Dichloroethene	ug/L	< 10		060410	10	EPA624
Chloroform	ug/L	< 5		060410	5	EPA624
1,2 Dichloroethane	ug/L	< 5		060410	5	EPA624
2-Butanone	ug/L	< 50		060410	50	EPA624
111 Trichloroethane	ug/L	< 5		060410	5	EPA624
Carbon Tetrachloride	ug/L	< 5		060410	5	EPA624
Bromodichloromethane	ug/L	< 5		060410	5	EPA624
1,2 Dichloropropane	ug/L	< 5		060410	5	EPA624
c-1,3Dichloropropene	ug/L	< 5		060410	5	EPA624
Trichloroethene	ug/L	< 5		060410	5	EPA624
Chlorodibromomethane	ug/L	< 5		060410	5	EPA624
112 Trichloroethane	ug/L	< 5		060410	5	EPA624
Benzene	ug/L	< 5		060410	5	EPA624
t-1,3Dichloropropene	ug/L	< 5		060410	5	EPA624
Bromoform	ug/L	< 5		060410	5	EPA624
4-Methyl-2-Pentanone	ug/L	< 50		060410	50	EPA624

cc:

LRL=Laboratory Reporting Limit

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

DIRECTOR

rn = 14156 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.102476.02 06/14/10

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:06/03/10 RECEIVED:06/04/10
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		060410	50	EPA624
Tetrachloroethene	ug/L	< 5		060410	5	EPA624
Toluene	ug/L	< 5		060410	5	EPA624
1122Tetrachloroethane	ug/L	< 5		060410	5	EPA624
Chlorobenzene	ug/L	8		060410	5	EPA624
Ethyl Benzene	ug/L	< 5		060410	5	EPA624
Styrene	ug/L	< 5		060410	5	EPA624
o Xylene	ug/L	< 5		060410	5	EPA624
m + p Xylene	ug/L	< 10		060410	10	EPA624
Xylene	ug/L	< 15		060410	15	EPA624
ter.ButylMethylEther	ug/L	< 5		060410	5	EPA624
Cyanide as CN	mg/L	< 0.02		060910	0.02	EPA335.4
CN amen.to chlorin.	mg/L	< 0.02		060910	0.02	EPA335.4

cc:

LRL=Laboratory Reporting Limit

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

DIRECTOR

rn = 14157 NYSDOH ID # 10320

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

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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

LAB NO.102476.03 06/14/10

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:06/03/10 RECEIVED:06/04/10
TIME COL'D:0830
MATRIX:Water SAMPLE: M1-08:30-Grab #1

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
pH@lab units		6.7		060410 1615	0.1	4500HB
Tot Suspended Solids	mg/L	15		060810	2.5	2540D
Non-polar Material	mg/L	< 5		060810	5	EPA1664

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 14158 NYSDOH ID # 10320

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

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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

LAB NO.102476.04 06/14/10

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:06/03/10 RECEIVED:06/04/10
TIME COL'D:1000
MATRIX:Water SAMPLE: M1-10:00-Grab #2

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
pH@lab units		6.7		060410 1617	0.1	4500HB
Tot Suspended Solids	mg/L	13		060810	2.5	2540D
Non-polar Material	mg/L	< 5		060810	5	EPA1664

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 14159 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.102476.05 06/14/10

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:06/03/10 RECEIVED:06/04/10
TIME COL'D:1130
MATRIX:Water SAMPLE: M1-11:30-Grab #3

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
pH@lab units		6.7		060410 1620	0.1	4500HB
Tot Suspended Solids	mg/L	14		060810	2.5	2540D
Non-polar Material	mg/L	< 5		060810	5	EPA1664

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 14160 NYSDOH ID # 10320

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

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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

LAB NO.102476.06 06/14/10

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:06/03/10 RECEIVED:06/04/10
TIME COL'D:1300
MATRIX:Water SAMPLE: M1-13:00-Grab #4

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
pH@lab units		6.8		060410 1623	0.1	4500HB
Tot Suspended Solids	mg/L	11		060810	2.5	2540D
Non-polar Material	mg/L	< 5		060810	5	EPA1664

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 14161 NYSDOH ID # 10320

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

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

102476 2

M1

6/3/10

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	6/3/10	8:30	M1 - 8:30 - Grab #1	5	2	1	1	1										TSS, pH, HEM-NPM, CBOD, Chloride,
Water	6/3/10	10:00	M1 - 10:00 - Grab #2	5	2	1	1	1										Cyanide (Total & Amenable), Nitrogen,
Water	6/3/10	11:30	M1 - 11:30 - Grab #3	5	2	1	1	1										VOCs & SVOCs, Benzene, Ethylbenzene,
Water	6/3/10	13:00	M1 - 13:00 - Grab #4	5	2	1	1	1										Xylenes, MTBE, Tetrachloroethylene,
																		Toluene, Naphthalene, Phenols,
Water			**M1** - 24 Hour Composite	7						2	1	1	1	1	1			Metals (Cu, Pb, Hg, Mo, Ni, Ag, Zn)
Start:	6/3/10	8:45																Cadmium, Chromium (Total & Hex),
End:	6/4/10	7:45																PCBs, TPH(GC), TOX, Flash Point
																		(EPA 40 CFR Part 136 approved methods)
																		Temp = 0.3°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)
M O'Gorman Representing: STRATIS	Date: 6/4/10 Time: 14:00		John Pallotta Representing: Stratis	John Pallotta Representing: Stratis	Date: 6/4/10 Time: 15:00		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:

Pennsylvania Avenue Landfill

GWL Plant Influent Lab Report

June 2010

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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LAB NO.102566.01 06/21/10

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:06/09/10 RECEIVED:06/09/10
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		061810	1	EPA625
1,3 Dichlorobenzene(sv)	ug/L	< 1		061810	1	EPA625
1,4 Dichlorobenzene(sv)	ug/L	< 1		061810	1	EPA625
Carbazole	ug/L	< 1		061810	1	EPA625
1,2 Dichlorobenzene(sv)	ug/L	< 1		061810	1	EPA625
Bis(2-chloroisopropyl)ether	ug/L	< 1		061810	1	EPA625
N-Nitrosodi-n-propylamine	ug/L	< 1		061810	1	EPA625
Hexachloroethane	ug/L	< 1		061810	1	EPA625
Nitrobenzene	ug/L	< 1		061810	1	EPA625
Isophorone	ug/L	< 1		061810	1	EPA625
Bis(2-chloroethoxy)methane	ug/L	< 1		061810	1	EPA625
124-Trichlorobenzene (sv)	ug/L	< 1		061810	1	EPA625
Naphthalene(sv)	ug/L	< 1		061810	1	EPA625
4-Chloroaniline	ug/L	< 1		061810	1	EPA625
Hexachlorobutadiene	ug/L	< 1		061810	1	EPA625
2-Methylnaphthalene	ug/L	< 1		061810	1	EPA625
Hexachlorocyclopentadiene	ug/L	< 10		061810	10	EPA625
2-Chloronaphthalene	ug/L	< 1		061810	1	EPA625
2-Nitroaniline	ug/L	< 1		061810	1	EPA625
Dimethyl Phthalate	ug/L	< 1		061810	1	EPA625
Acenaphthylene	ug/L	< 1		061810	1	EPA625
2,6-Dinitrotoluene	ug/L	< 1		061810	1	EPA625
3-Nitroaniline	ug/L	< 1		061810	1	EPA625
Acenaphthene	ug/L	< 1		061810	1	EPA625
Dibenzofuran	ug/L	< 1		061810	1	EPA625

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 6/08/10 @ 08:40 and 6/09/10 @ 07:40.

DIRECTOR

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

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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LAB NO.102566.01 06/21/10

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:06/09/10 RECEIVED:06/09/10
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		061810	1	EPA625
Diethyl Phthalate	ug/L	< 1		061810	1	EPA625
4-Chlorophenyl phenyl ether	ug/L	< 1		061810	1	EPA625
Fluorene	ug/L	< 1		061810	1	EPA625
4-Nitroaniline	ug/L	< 1		061810	1	EPA625
N-Nitrosodiphenylamine	ug/L	< 1		061810	1	EPA625
4-Bromophenyl phenyl ether	ug/L	< 1		061810	1	EPA625
Hexachlorobenzene	ug/L	< 1		061810	1	EPA625
Phenanthrene	ug/L	< 1		061810	1	EPA625
Anthracene	ug/L	< 1		061810	1	EPA625
Di-n-Butyl Phthalate	ug/L	1.2	1	061810	1	EPA625
Fluoranthene	ug/L	< 1		061810	1	EPA625
Pyrene	ug/L	< 1		061810	1	EPA625
BenzylButylPhthalate	ug/L	< 1		061810	1	EPA625
3,3'-Dichlorobenzidine	ug/L	< 10		061810	10	EPA625
Benzo(a)anthracene	ug/L	< 1		061810	1	EPA625

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 6/08/10 @ 08:40 and 6/09/10 @ 07:40.
1-Detected <1ug/L in mehtod blank.

DIRECTOR

rn = 14734 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.102566.01 06/21/10

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:06/09/10 RECEIVED:06/09/10
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		061810	1	EPA625
Bis(2-ethylhexyl)phthalate	ug/L	6.7	2	061810	1	EPA625
Di-n-octyl Phthalate	ug/L	< 1		061810	1	EPA625
Benzo(b)fluoranthene	ug/L	< 1		061810	1	EPA625
Benzo(k)fluoranthene	ug/L	< 1		061810	1	EPA625
Benzo(a)pyrene	ug/L	< 1		061810	1	EPA625
Indeno(1,2,3-cd)pyrene	ug/L	< 1		061810	1	EPA625
Dibenzo(a,h)anthracene	ug/L	< 1		061810	1	EPA625
Benzo(ghi)perylene	ug/L	< 1		061810	1	EPA625

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 6/08/10 @ 08:40 and 6/09/10 @ 07:40.
2-Detected 1.57ug/L in method blank.

DIRECTOR

rn = 14735 NYSDOH ID # 10320

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

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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LAB NO.102566.01 06/21/10

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:06/09/10 RECEIVED:06/09/10
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		061810	1	EPA625
2-Chlorophenol	ug/L	< 1		061810	1	EPA625
2-Methylphenol (o-cresol)	ug/L	< 1		061810	1	EPA625
4-Methylphenol (p-cresol)	ug/L	< 1		061810	1	EPA625
2-Nitrophenol	ug/L	< 1		061810	1	EPA625
2,4-Dimethylphenol	ug/L	< 1		061810	1	EPA625
2,4-Dichlorophenol	ug/L	< 1		061810	1	EPA625
4-Chloro-3-methylphenol	ug/L	< 1		061810	1	EPA625
2,4,6-Trichlorophenol	ug/L	< 1		061810	1	EPA625
2,4,5-Trichlorophenol	ug/L	< 1		061810	1	EPA625
2,4-Dinitrophenol	ug/L	< 10		061810	10	EPA625
4-Nitrophenol	ug/L	< 10		061810	10	EPA625
2-Methyl-4,6-dinitrophenol	ug/L	< 10		061810	10	EPA625
Pentachlorophenol (ms)	ug/L	< 10		061810	10	EPA625

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 6/08/10 @ 08:40 and 6/09/10 @ 07:40.

DIRECTOR

rn = 14736 NYSDOH ID # 10320

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

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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

LAB NO.102566.01 06/21/10

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:06/09/10 RECEIVED:06/09/10
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		061610	0.065	EPA608
Aroclor 1221	ug/L	< 0.065		061610	0.065	EPA608
Aroclor 1232	ug/L	< 0.065		061610	0.065	EPA608
Aroclor 1242	ug/L	< 0.065		061610	0.065	EPA608
Aroclor 1248	ug/L	< 0.065		061610	0.065	EPA608
Aroclor 1254	ug/L	< 0.065		061610	0.065	EPA608
Aroclor 1260	ug/L	< 0.065		061610	0.065	EPA608
Cadmium as Cd	mg/L	< 0.005		061610	0.005	EPA200.7
Chromium as Cr	mg/L	0.005		061610	0.005	EPA200.7
Copper as Cu	mg/L	0.07		061610	0.01	EPA200.7
Lead as Pb	mg/L	< 0.005		061610	0.005	EPA200.7
Mercury as Hg	mg/L	< 0.00025		061510	0.0002	EPA245.2
Molybdenum as Mo	mg/L	< 0.005		061610	0.005	EPA200.7
Nickel as Ni	mg/L	0.01		061610	0.01	EPA200.7
Silver as Ag	mg/L	< 0.005		061610	0.005	EPA200.7
Zinc as Zn	mg/L	0.1		061610	0.01	EPA200.7
Chromium hex as Cr	mg/L	< 0.02		060910 1630	0.02	203500CrB
Carbonaceous BOD5	mg/L	130		060910 1700	40	5210B
Tot. Kjeldahl N.	mg/L	72		061110	0.2	SM4500NORGB
Nitrate as N	mg/L	< 0.5		061010	0.5	EPA353.2
Nitrogen, total as N	mg/L	72		061110	0.2	EPA351,353
Chloride as Cl	mg/L	3800		061010	100	204500C1B

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 6/08/10 @ 08:40 and 6/09/10 @ 07:40.

DIRECTOR

rn = 14737 NYSDOH ID # 10320

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

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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

LAB NO.102566.02 06/21/10

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:06/08/10 RECEIVED:06/09/10
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	< 1		060910	1	EPA624
Bromomethane	ug/L	< 1		060910	1	EPA624
Vinyl Chloride	ug/L	< 1		060910	1	EPA624
Chloroethane	ug/L	< 1		060910	1	EPA624
Methylene Chloride	ug/L	< 1		060910	1	EPA624
Acetone	ug/L	< 10		060910	10	EPA624
Carbon disulfide	ug/L	< 1		060910	1	EPA624
1,1 Dichloroethene	ug/L	< 1		060910	1	EPA624
1,1 Dichloroethane	ug/L	< 1		060910	1	EPA624
1,2 Dichloroethene	ug/L	< 2		060910	2	EPA624
Chloroform	ug/L	< 1		060910	1	EPA624
1,2 Dichloroethane	ug/L	< 1		060910	1	EPA624
2-Butanone	ug/L	< 10		060910	10	EPA624
111 Trichloroethane	ug/L	< 1		060910	1	EPA624
Carbon Tetrachloride	ug/L	< 1		060910	1	EPA624
Bromodichloromethane	ug/L	< 1		060910	1	EPA624
1,2 Dichloropropane	ug/L	< 1		060910	1	EPA624
c-1,3Dichloropropene	ug/L	< 1		060910	1	EPA624
Trichloroethene	ug/L	< 1		060910	1	EPA624
Chlorodibromomethane	ug/L	< 1		060910	1	EPA624
112 Trichloroethane	ug/L	< 1		060910	1	EPA624
Benzene	ug/L	6		060910	1	EPA624
t-1,3Dichloropropene	ug/L	< 1		060910	1	EPA624
Bromoform	ug/L	< 1		060910	1	EPA624
4-Methyl-2-Pentanone	ug/L	< 10		060910	10	EPA624

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by EcoTest Labs.
* Collected at 09:00, 10:30, 12:00, and 14:00.

DIRECTOR

rn = 14738 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.102566.02 06/21/10

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:06/08/10 RECEIVED:06/09/10
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	< 10		060910	10	EPA624
Tetrachloroethene	ug/L	< 1		060910	1	EPA624
Toluene	ug/L	< 1		060910	1	EPA624
1122Tetrachloroethane	ug/L	< 1		060910	1	EPA624
Chlorobenzene	ug/L	37		060910	1	EPA624
Ethyl Benzene	ug/L	2		060910	1	EPA624
Styrene	ug/L	< 1		060910	1	EPA624
o Xylene	ug/L	< 1		060910	1	EPA624
m + p Xylene	ug/L	< 2		060910	2	EPA624
Xylene	ug/L	< 3		060910	3	EPA624
ter.ButylMethylEther	ug/L	< 1		060910	1	EPA624
Cyanide as CN	mg/L	< 0.02		061410	0.02	EPA335.4
CN amen.to chlorin.	mg/L	< 0.02		061410	0.02	EPA335.4

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by EcoTest Labs.
* Collected at 09:00, 10:30, 12:00, and 14:00.

DIRECTOR

rn = 14739 NYSDOH ID # 10320

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

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LAB NO.102566.03 06/21/10

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:06/08/10 RECEIVED:06/09/10
TIME COL'D:0900
MATRIX:Water SAMPLE: M1-09:00-Grab #1

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
pH@lab units		6.98		061010 0930	0.1	4500HB
Tot Suspended Solids	mg/L	25		061110	2.5	2540D
Non-polar Material	mg/L	< 5		061110	5	EPA1664

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 14740 NYSDOH ID # 10320 Page 1 of 1

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

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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

LAB NO.102566.04 06/21/10

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:06/08/10 RECEIVED:06/09/10
TIME COL'D:1030
MATRIX:Water SAMPLE: M1-10:30-Grab #2

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
pH@lab units		7.07		061010 0945	0.1	4500HB
Tot Suspended Solids	mg/L	18		061110	2.5	2540D
Non-polar Material	mg/L	< 5		061110	5	EPA1664

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 14741 NYSDOH ID # 10320

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

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
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Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.102566.05 06/21/10

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:06/08/10 RECEIVED:06/09/10
TIME COL'D:1200
MATRIX:Water SAMPLE: M1-12:00-Grab #3

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
pH@lab units		7.11		061010 1010	0.1	4500HB
Tot Suspended Solids	mg/L	26		061110	2.5	2540D
Non-polar Material	mg/L	< 5		061110	5	EPA1664

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 14742 NYSDOH ID # 10320 Page 1 of 1

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

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LAB NO.102566.06 06/21/10

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:06/08/10 RECEIVED:06/09/10
TIME COL'D:1400
MATRIX:Water SAMPLE: M1-14:00-Grab #4

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
pH@lab units		7.09		061010 1025	0.1	4500HB
Tot Suspended Solids	mg/L	28		061110	2.5	2540D
Non-polar Material	mg/L	< 5		061110	5	EPA1664

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 14743 NYSDOH ID # 10320 Page 1 of 1

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

ECOTEST LABORATORIES, INC. • ENVIRONMENTAL TESTING
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(631) 422-5777 • FAX (631) 422-5770 • Email: ecotestlab@aol.com

102566

CHAIN OF CUSTODY RECORD

15

GWL INFLUENT

6/8/10

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	6/8/10	9:00	M1 - 9:00 - Grab #1	5	2	1	1	1										TSS, pH, HEM-NPM, CBOD, Chloride,
Water	6/8/10	10:30	M1 - 10:30 - Grab #2	5	2	1	1	1										Cyanide (Total & Amenable), Nitrogen,
Water	6/8/10	12:00	M1 - 12:00 - Grab #3	5	2	1	1	1										VOCs & SVOCs, Benzene, Ethylbenzene,
Water	6/8/10	14:00	M1 - 14:00 - 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:	6/8/10	8:40																Cadmium, Chromium (Total & Hex),
End:	6/9/10	7:40																
																		(EPA 40 CFR Part 136 approved methods)
																		Temp = 0.7° 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)
M. O'Gorman Representing: STRATIS	Date: 6/9/10 Time: 2:30	(NA)	Representing: STRATIS	Representing: STRATIS	Date: 6/9/10 Time: 15:10	NA	Representing:
Relinquished by: (Signature) Representing:	Date: Time:	NA	Received by: (Signature) Representing:	Relinquished by: (Signature) Representing:	Date: Time:	NA	Received by: (Signature) Representing:

Appendix C – LFG Inspections

- LFG-1 Daily Inspection Summary Tables and Checklists
- LFG-2 Biweekly Inspections
- LFG-3 Extraction Well Monitoring Reports
- LFG-4 Quarterly Inspection

Pennsylvania Avenue Landfill

LFG-1
Daily Inspections

(April, May and June 2010)

PENNSYLVANIA AVENUE LANDFILL							Month: **April**				Year: **2010**				**LFG-1**	
		WEATHER					**FLARE TEMPERATURE**							**FLARE STATION**		
DATE	TIME	Weather	Ambient Temp (ºF)	Wind Speed	Wind 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	7:45	Sunny	52	11	NNE	30.11	1442	1512	1508	Bottom	90	1500	Auto	0.54	0.1	NA
2	7:52	Partly Cloudy	46	11	NNE	30.21	1369	0	1479	Bottom	93	1500	Auto	0.51	0.1	NA
3																
4																
5	7:00	Sunny	54	4	ESE	30.17	1410	1516	1488	Bottom	91	1500	Auto	0.56	0.1	NA
6	7:05	Partly sunny	53	4	ESE	29.93	1404	0	1503	Bottom	91	1500	Auto	0.53	0.1	NA
7	6:55	Partly sunny	55	6	S	29.73	1342	0	1488	Bottom	95	1500	Auto	0.51	0.1	NA
8	7:00	Mostly sunny	57	Calm		29.72	1352	0	1519	Bottom	94	1500	Auto	0.53	0.1	NA
9	11:27	Cloudy	55	13	N	29.72	1434	0	1488	Bottom	94	1500	Auto	0.30	0	NA
10																
11																
12	10:15	Sunny	61	13	N	30.35	1461	1595	1519	Bottom	99	1500	Auto	0.54	0.1	NA
13	8:30	Cloudy	52	7	NE	30.46	1476	1565	1521	Bottom	93	1500	Auto	0.45	0.1	NA
14	8:30	Sunny	54	5	NNW	30.57	1400	1513	1484	Bottom	96	1500	Auto	0.20	0.1	NA
15	8:30	Sunny	59	10	NW	30.30	1458	1557	1494	Bottom	95	1500	Auto	0.39	0.1	NA
16	7:20	Cloudy	48	25	E	30.07	1494	1654	1567	Bottom	96	1500	Auto	0.07	0.1	NA
17																
18																
19	7:15	Sunny	48	15	NW	29.95	1446	0	1485	Bottom	95	1500	Auto	0.41	0	NA
20	7:15	Sunny	49	Calm		29.99	1433	1533	1511	Bottom	91	1500	Auto	0.37	0.1	NA
21	7:12	Sunny	50	5	WSW	29.86	1366	1566	1521	Bottom	93	1500	Auto	0.38	0.1	NA
22	7:30	Sunny	52	8	SW	29.76	1393	1560	1503	Bottom	92	1500	Auto	0.23	0.1	NA
23	7:30	Sunny	49	12	NW	29.88	1460	1563	1504	Bottom	93	1500	Auto	0.51	0.1	NA
24																
25																
26	8:00	Cloudy	51	10	NE	29.35	1427	1548	1504	Bottom	93	1500	Auto	0.56	0	NA
27	7:32	Cloudy	48	6	N	29.31	1453	1550	1512	Bottom	90	1500	Auto	0.39	0	NA
28	7:50	Sunny	45	18	WNW	29.55	1457	1562	1493	Bottom	96	1500	Auto	0.42	0.1	NA
29	7:20	Sunny	50	17	W	29.86	1512	1617	1585	Bottom	94	1500	Auto	0.52	0	NA
30	7:20	Cloudy	57	7	WSW	29.90	1474	1565	1512	Bottom	93	1500	Auto	0.50	0	NA

PENNSYLVANIA AVENUE LANDFILL										Month: **April**		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	7:45	301	20.4	20.0	0.5	59.1	10.0	10	0.1	850	30	60	105	5.4	14762	0	13724
2	7:52	301	19.9	19.5	0.5	60.1	10.2	10	0.1	700	30	62	110	5.4	14786	0	13724
3																	
4																	
5	7:00	301	19.5	19.6	0.5	60.4	9.5	10	0	800	30	66	118	5.4	14858	0	13724
6	7:05	301	20.0	20.2	0.3	59.5	9.5	10	0.1	800	30	68	116	5.4	14882	0	13724
7	6:55	301	19.8	19.7	0.6	59.9	9.5	10	0.1	800	30	68	118	5.3	14906	0	13724
8	7:00	301	21.9	21.2	0.0	56.9	9.5	10	0.1	750	30	70	118	5.4	14930	0	13724
9	11:27	301	22.4	21.4	0.0	56.2	10.8	10	0	700	30	68	112	5.5	14958	0	13724
10																	
11																	
12	10:15	301	20.7	20.0	0.1	59.2	9.6	10	0.1	700	30	70	120	5.3	15029	0	13724
13	8:30	301	20.6	20.3	0.0	59.1	10.8	10	0.1	700	30	67	111	5.4	15051	0	13724
14	8:30	301	19.5	18.9	0.3	61.3	8.2	10	0	700	30	65	114	5.5	15075	0	13724
15	8:30	302	20.2	19.5	0.2	60.1	9.4	10	0	700	30	69	113	0	15075	5.4	13747
16	7:20	302	20.2	19.5	0.4	59.9	9.8	10	0	700	30	66	102	0	15075	5.3	13770
17																	
18																	
19	7:15	302	20.5	19.8	0.2	59.5	10.0	10	0	700	30	64	106	0	15075	5.3	13842
20	7:15	302	20.0	19.5	0.4	60.1	9.6	10	0	700	30	66	112	0	15075	5.3	13866
21	7:12	302	20.0	19.1	0.6	60.3	10.0	10	0	700	30	68	114	0	15075	5.2	13890
22	7:30	302	19.8	19.7	0.1	60.4	9.6	10	0	700	30	68	113	0	15075	5.3	13914
23	7:30	302	21.7	19.5	0.7	58.1	10.5	10	0	700	30	65	109	0	15075	5.3	13938
24																	
25																	
26	8:00	302	23.6	20.2	0.7	55.5	8.5	10	0	700	30	74	101	0	15075	5.3	14002
27	7:32	302	22.5	18.6	0.9	58.0	10.4	10	0	700	30	64	108	0	15075	5.2	14026
28	7:50	302	20.0	19.2	0.3	60.5	10.2	10	0	700	30	60	100	0	15075	5.4	14050
29	7:20	302	19.1	18.4	1.3	61.2	10.4	10	0	700	30	62	104	0	15075	5.3	14.74
30	7:20	302	19.4	18.3	1.0	61.3	10.0	10	0	700	30	70	114	0	15075	5.3	14098

PENNSYLVANIA AVENUE LANDFILL		Month: **April**									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	7:45	10.3	76	0	5.5	1449	1511	1509	1	1	0	81	31,223	175,214,012	98,432
2	7:52	11.1	78	0	5.4	1367	0	1482	1	1	2	77	31,840	175,324,198	109,648
3															110,198
4															110,611
5	7:00	9.6	75	0	5.4	1415	1531	1491	1	1	0	77	29,740	175,652,672	109,688
6	7:05	9.4	77	0	5.3	1376	0	1505	1	1	0	78	30,044	175,762,544	109,645
7	6:55	9.4	77	0	5.3	1331	0	1486	1	1	0	75	28,950	175,870,432	108,982
8	7:00	9.3	74	0	5.4	1363	0	1512	1	1	0	72	28,660	175,977,582	107,440
9	11:27	9.4	75	0	5.5	1436	0	1493	1	1	0	76	47,386	176,103,599	107,291
10															107,199
11															108,884
12	10:15	9.3	73	0	5.3	1452	1600	1507	0	0	0	74	42,453	176,423,816	108,993
13	8:30	9.3	77	0	5.4	1474	1576	1522	1	1	0	73	34,677	176,525,265	109,223
14	8:30	11.9	77	0	5.5	1397	0	1487	1	1	0	76	35,436	176,636,108	110,084
15	8:30	8.6	90	0	5.4	1450	1552	1492	0	1	0	84	39,429	176,758,278	118,253
16	7:20	9.3	83	0	5.3	1490	1628	1561	2	2	1	85	33,222	176,875,958	123,887
17															124,416
18															123,400
19	7:15	9.2	87	0	5.3	1444	0	1484	1	1	0	85	33,195	177,248,223	124,476
20	7:15	9.6	88	0	5.3	1433	1524	1514	1	1	0	87	32,976	177,372,396	124,392
21	7:12	9.6	84	0	5.2	1378	1566	1517	1	1	0	86	32,122	177,495,202	123,660
22	7:30	10.2	87	0	5.3	1392	1556	1503	1	1	0	85	33,762	177,620,315	123,473
23	7:30	10.4	88	0	5.3	1459	1560	1503	1	1	0	85	33,651	177,742,495	122,291
24															123,356
25															124,065
26	8:00	8.3	78	0	5.3	1423	1549	1506	2	1	0	84	1,895	178,072,907	114,668
27	7:32	7.3	90	0	5.2	1452	1549	1511	2	2	0	85	33,923	178,192,385	87,448
28	7:50	10.8	87	0	5.4	1458	1554	1493	1	1	0	86	36,184	178,316,611	122,046
29	7:20	10.6	8.7	0	5.3	1512	1617	1585	1	1	0	84	33,546	178,438,722	124,749
30	7:20	9.2	85	0	5.3	1474	1568	1514	0	0	0	86	32,942	178,561,771	123,653

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

	Date	Landfill Gas System			Landfill - Cover & Stormwater Systems, Roads, etc.
		Hours On	Flare	LFG Collection - Extraction Wells	
Thursday	1-Apr	24	The power failure on March 31st produced a surge that damaged the middle thermocouple. Control was switched to the bottom thermocouple and a work order was issued for replacement of the damaged thermocouple.	All 46 gas extraction wells were monitored this month.	Monthly landfill inspections conducted on April 20, 22, 23 and 27.
Friday	2-Apr	24			
Weekend	3-Apr	24		Pumped water out of extraction well N0. 43 and found that approximately 1/4 of it was filled with silt.	Cleaned swale A-5X.
	4-Apr	24			Mowed area around plant and entrance.
Monday	5-Apr	24			Picked up debris from swales and landfill entrance.
Tuesday	6-Apr	24		Work order has been issued for the repair of temperature probes.	
Wednesday	7-Apr	24	The LFG-4 quarterly inspection was completed on April 30th.		
Thursday	8-Apr	24			
Friday	9-Apr	24	April 15, switched service from Blower 301 to 302. Performed maintenance on Blower 301.		
Weekend	10-Apr	24			
	11-Apr	24			
Monday	12-Apr	24	April 25, flare shut down at 11:30 PM. Severe weather tripped the fire alarm and the flare. The systems were reset upon arrival, and the flare was up to temperature by 7:00 AM, for a total down time of 7.5 hours.		
Tuesday	13-Apr	24			
Wednesday	14-Apr	24			
Thursday	15-Apr	24			
Friday	16-Apr	24			
Weekend	17-Apr	24	Flare was in operation for 99% of the month.		
	18-Apr	24			
Monday	19-Apr	24	The total LFG processed was 3,444,551 SCF. The daily average was 114,818 cubic feet per day.		
Tuesday	20-Apr	24			
Wednesday	21-Apr	24			
Thursday	22-Apr	24	The average flow was 80.6 SCFM		
Friday	23-Apr	24			
Weekend	24-Apr	24			
	25-Apr	16.5			
Monday	26-Apr	24			
Tuesday	27-Apr	24			
Wednesday	28-Apr	24			
Thursday	29-Apr	24			
Friday	30-Apr	24			

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

Date	4/11/2010	**Time**	7:45
Technician	CM	Wind Speed/Direction	12MPH/SW
Ambient Temperature (°F)	48°	Barometric Pressure (in Hg)	29.98
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)	0.1
Methane (% Vol)	20.4		Nitrogen Pressure (psi)	850
Carbon Dioxide (% Vol)	20.0		Blower Inlet Valve (% Open)	30%
Oxygen (% Vol)	0.5		Blower Inlet Temp. (°F)	60°
Balance Gas (% Vol)	59.2		Blower Discharge Temp. (°F)	105°
Inlet Vacuum (in WC)	- 10.0			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.54	
Flame Arrestor Differential Pressure (in WC)	0.1	
Aux Fuel Pressure (in WC) - Natural Gas	0.0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	10.3	Top Flare Temp. (°F)	1442
Flow Rate (SCFM)	76	Middle Flare Temp. (°F)	1508
LFG Oxygen (%)	0.0	Bottom Flare Temp. (°F)	1508
Blower Current (Amps)	55	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1449	Louver Position (% Closed)	90%
Flare Middle Temp. (°F)	1511	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1509	Control Mode	Auto
Area LEL (%)	1		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.4	Current Flow (SCFM)	81
Blower **301** Current **(Hours)**	14762	Today's Total Flow (SCF)	31223
Blower **302** Current **(Amps)**	0.0	Total Flow (SCF)	175214033
Blower **302** Current **(Hours)**	13724		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	98432	Resettable Total Flow (SCF)	64529814
2 Days Ago Flow (SCF)	110516	Reset Time	11:33:3
3 Days Ago Flow (SCF)	111810	Reset Date	11/2/2008
4 Days Ago Flow (SCF)	113894		
5 Days Ago Flow (SCF)	113106	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	110512	Area #1 LEL	1
7 Days Ago Flow (SCF)	112051	Area #2 LEL	0

Date And Time			
Date	5/1/2010	Time	7:10:17 (8:10:17)

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	~~7/5/10~~ 4/12/10	**Time**	752
Technician	RDJ	Wind Speed/Direction	
Ambient Temperature (°F)		Barometric Pressure (in Hg)	
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)	0.1
Methane (% Vol)	19.9		Nitrogen Pressure (psi)	700
Carbon Dioxide (% Vol)	19.5		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.5		Blower Inlet Temp. (°F)	62
Balance Gas (% Vol)	60.2		Blower Discharge Temp. (°F)	110
Inlet Vacuum (in WC)	-10x18			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.57	
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)	11.1	Top Flare Temp. (°F)	1369
Flow Rate (SCFM)	78	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1479
Blower Current (Amps)	5.4	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1367	Louver Position (% Closed)	93
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1482	Control Mode	Auto
Area LEL (%)	1		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.4	Current Flow (SCFM)	77
Blower **301** Current **(Hours)**	14786	Today's Total Flow (SCF)	31840
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	175324198
Blower **302** Current **(Hours)**	13724		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	109648	Resettable Total Flow (SCF)	6463998
2 Days Ago Flow (SCF)	96432	Reset Time	11 33 3
3 Days Ago Flow (SCF)	110516	Reset Date	11 21 08
4 Days Ago Flow (SCF)	111810		
5 Days Ago Flow (SCF)	113894	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	113106	Area #1 LEL	1
7 Days Ago Flow (SCF)	110512	Area #2 LEL	2

Date And Time			
Date	4/12/10	Time	65634

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	4/5/2010	**Time**	7:00
Technician	CM	Wind Speed/Direction	5 MPH/North
Ambient Temperature (°F)	57	Barometric Pressure (in Hg)	30.07
Weather	Mostly 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)	0.0
Methane (% Vol)	19.5		Nitrogen Pressure (psi)	800
Carbon Dioxide (% Vol)	19.6		Blower Inlet Valve (% Open)	30%
Oxygen (% Vol)	0.5		Blower Inlet Temp. (°F)	66°
Balance Gas (% Vol)	80.5		Blower Discharge Temp. (°F)	118°
Inlet Vacuum (in WC)	- 9.5			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.56	
Flame Arrestor Differential Pressure (in WC)	0.1	
Aux Fuel Pressure (in WC) - Natural Gas	0.0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	9.6	Top Flare Temp. (°F)	1410
Flow Rate (SCFM)	75	Middle Flare Temp. (°F)	1516
LFG Oxygen (%)	0.0	Bottom Flare Temp. (°F)	1488
Blower Current (Amps)	5.4	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1415	Louver Position (% Closed)	91%
Flare Middle Temp. (°F)	1531	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1491	Control Mode	Auto
Area LEL (%)	1		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.4	Current Flow (SCFM)	77
Blower **301** Current **(Hours)**	14858	Today's Total Flow (SCF)	29740
Blower **302** Current **(Amps)**	0.0	Total Flow (SCF)	175652672
Blower **302** Current **(Hours)**	13724		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	109688	Resettable Total Flow (SCF)	64968548
2 Days Ago Flow (SCF)	110611	Reset Time	11:33:3
3 Days Ago Flow (SCF)	110198	Reset Date	11/21/2008
4 Days Ago Flow (SCF)	109648		
5 Days Ago Flow (SCF)	98432	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	110516	Area #1 LEL	1
7 Days Ago Flow (SCF)	111810	Area #2 LEL	0

Date And Time			
Date	4/5/2010	Time	6:32:56 (7:32:59)

NOTE: LOST CONDENSATE TANK PRINT OUT

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	4/6/2010	**Time**	7:05
Technician	CM	Wind Speed/Direction	2MPH/NW
Ambient Temperature (°F)	57°	Barometric Pressure (in Hg)	29.86
Weather	Partly 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)	0.1
Methane (% Vol)	20.0		Nitrogen Pressure (psi)	800
Carbon Dioxide (% Vol)	20.2		Blower Inlet Valve (% Open)	30%
Oxygen (% Vol)	0.3		Blower Inlet Temp. (°F)	68°
Balance Gas (% Vol)	59.6		Blower Discharge Temp. (°F)	116°
Inlet Vacuum (in WC)	- 9.5			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.53	
Flame Arrestor Differential Pressure (in WC)	0.1	
Aux Fuel Pressure (in WC) - Natural Gas	0.0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	9.4	Top Flare Temp. (°F)	1404
Flow Rate (SCFM)	77	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0.0	Bottom Flare Temp. (°F)	1503
Blower Current (Amps)	5.3	Controlling Thermocouple	bottom
Flare Top Temp. (°F)	1376	Louver Position (% Closed)	91%
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1505	Control Mode	Auto
Area LEL (%)	1		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.4	Current Flow (SCFM)	78
Blower **301** Current **(Hours)**	14882	Today's Total Flow (SCF)	30044
Blower **302** Current **(Amps)**	0.0	Total Flow (SCF)	175762544
Blower **302** Current **(Hours)**	13724		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	109645	Resettable Total Flow (SCF)	65078346
2 Days Ago Flow (SCF)	109688	Reset Time	11:33:3
3 Days Ago Flow (SCF)	110611	Reset Date	11/21/2008
4 Days Ago Flow (SCF)	110198		
5 Days Ago Flow (SCF)	109648	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	98432	Area #1 LEL	1
7 Days Ago Flow (SCF)	110516	Area #2 LEL	0

Date And Time			
Date	4/6/2010	Time	6:35 07 (7:35:07)

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	4/7/2010	**Time**	6:55
Technician	CM	**Wind Speed/Direction**	6MPH/NE
Ambient Temperature (°F)	57°	Barometric Pressure (in Hg)	29.67
Weather	Partly 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)	0.1
Methane (% Vol)	19.8		Nitrogen Pressure (psi)	800
Carbon Dioxide (% Vol)	19.7		Blower Inlet Valve (% Open)	30%
Oxygen (% Vol)	0.6		Blower Inlet Temp. (°F)	68°
Balance Gas (% Vol)	60.0		Blower Discharge Temp. (°F)	118°
Inlet Vacuum (in WC)	- 9.5			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.51	
Flame Arrestor Differential Pressure (in WC)	0.1	
Aux Fuel Pressure (in WC) - Natural Gas	0.0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	9.4	Top Flare Temp. (°F)	1342
Flow Rate (SCFM)	77	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0.0	Bottom Flare Temp. (°F)	1488
Blower Current (Amps)	5.3	Controlling Thermocouple	bottom
Flare Top Temp. (°F)	1331	Louver Position (% Closed)	95%
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1486	Control Mode	Auto
Area LEL (%)	1		

Blower Data		**Flow & Totalizer**	
Blower **301** Current (**Amps**)	5.3	Current Flow (SCFM)	75
Blower **301** Current (**Hours**)	14906	Today's Total Flow (SCF)	28950
Blower **302** Current (**Amps**)	0.0	Total Flow (SCF)	175870432
Blower **302** Current (**Hours**)	13724		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	108982	Resettable Total Flow (SCF)	65186310
2 Days Ago Flow (SCF)	169645	Reset Time	11 : 33 : 3
3 Days Ago Flow (SCF)	109688	Reset Date	11 / 21/2008
4 Days Ago Flow (SCF)	110611		
5 Days Ago Flow (SCF)	110198	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	109648	Area #1 LEL	1
7 Days Ago Flow (SCF)	98432	Area #2 LEL	0

Date And Time			
Date	4/7/2010	Time	6:26:10 (7:26:10

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	4/8/2010	**Time**	7:00
Technician	CM	Wind Speed/Direction	0 MPH/Calm
Ambient Temperature (°F)	57	Barometric Pressure (in Hg)	29.63
Weather	Mostly 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)	0.1
Methane (% Vol)	21.9		Nitrogen Pressure (psi)	150
Carbon Dioxide (% Vol)	21.2		Blower Inlet Valve (% Open)	30%
Oxygen (% Vol)	0.0		Blower Inlet Temp. (°F)	70°
Balance Gas (% Vol)	56.9		Blower Discharge Temp. (°F)	118°
Inlet Vacuum (in WC)	-9.5			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.53	
Flame Arrestor Differential Pressure (in WC)	0.1	
Aux Fuel Pressure (in WC) - Natural Gas	0.0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	9.3	Top Flare Temp. (°F)	1352
Flow Rate (SCFM)	74	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0.0	Bottom Flare Temp. (°F)	1519
Blower Current (Amps)	5.4	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1363	Louver Position (% Closed)	94%
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1512	Control Mode	Auto
Area LEL (%)	1		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.4	Current Flow (SCFM)	72
Blower **301** Current **(Hours)**	14930	Today's Total Flow (SCF)	28660
Blower **302** Current **(Amps)**	0.0	Total Flow (SCF)	175977582
Blower **302** Current **(Hours)**	13724		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	107440	Resettable Total Flow (SCF)	65293456
2 Days Ago Flow (SCF)	108982	Reset Time	11 : 33 : 3
3 Days Ago Flow (SCF)	109645	Reset Date	11 / 21 / 2008
4 Days Ago Flow (SCF)	109688		
5 Days Ago Flow (SCF)	110611	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	110198	Area #1 LEL	1
7 Days Ago Flow (SCF)	109648	Area #2 LEL	0

Date And Time			
Date	4/8/2010	Time	6 28 21 7:28:21

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	4-9-10	**Time**	11:27a
Technician	G.MCLEAN & NATE.	Wind Speed/Direction	
Ambient Temperature (°F)		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)	32.4		Nitrogen Pressure (psi)	700
Carbon Dioxide (% Vol)	21.4		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.0		Blower Inlet Temp. (°F)	68
Balance Gas (% Vol)	56.1		Blower Discharge Temp. (°F)	112
Inlet Vacuum (in WC)	-10.757			

FLARE STATION		
Flare Inlet Pressure (in WC)	+ 0.303	
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)	9.4	Top Flare Temp. (°F)	1434
Flow Rate (SCFM)	95	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0.0	Bottom Flare Temp. (°F)	1488
Blower Current (Amps)	5.5	Controlling Thermocouple	BOTTOM
Flare Top Temp. (°F)	1436	Louver Position (% Closed)	94
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1493	Control Mode	AUTO
Area LEL (%)	1		

Blower Data		**Flow & Totalizer**	
Blower **301** Current (**Amps**)	5.5	Current Flow (SCFM)	76
Blower **301** Current (**Hours**)	14968	Today's Total Flow (SCF)	47386
Blower **302** Current (**Amps**)	0.0	Total Flow (SCF)	176103594
Blower **302** Current (**Hours**)	13734		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	107291	Resettable Total Flow (SCF)	65419472
2 Days Ago Flow (SCF)	187440	Reset Time	11:33:3
3 Days Ago Flow (SCF)	108988	Reset Date	11-21-08
4 Days Ago Flow (SCF)	109645		
5 Days Ago Flow (SCF)	109688	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	110611	Area #1 LEL	1
7 Days Ago Flow (SCF)	110198	Area #2 LEL	0

Date And Time			
Date	9-APR-10.	Time	~~10:40:06~~ 11:40:06.

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	4/12/10	**Time**	10:15
Technician	Nate Somerville	Wind Speed/Direction	
Ambient Temperature (°F)		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)	0.1
Methane (% Vol)	20.7		Nitrogen Pressure (psi)	700
Carbon Dioxide (% Vol)	20.0		Blower Inlet Valve (% Open)	30%
Oxygen (% Vol)	0.1		Blower Inlet Temp. (°F)	70°
Balance Gas (% Vol)	59.0		Blower Discharge Temp. (°F)	120°
Inlet Vacuum (in WC)	-9.603			

FLARE STATION		
Flare Inlet Pressure (in WC)	+ 0.541	
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)	9.3	Top Flare Temp. (°F)	1461
Flow Rate (SCFM)	73	Middle Flare Temp. (°F)	1595
LFG Oxygen (%)	0.0	Bottom Flare Temp. (°F)	1519
Blower Current (Amps)	5.3	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1452	Louver Position (% Closed)	99%
Flare Middle Temp. (°F)	1600	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1507	Control Mode	Auto
Area LEL (%)	0		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.3	Current Flow (SCFM)	74
Blower **301** Current **(Hours)**	15029	Today's Total Flow (SCF)	42453
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	176423816
Blower **302** Current **(Hours)**	13724		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	108993	Resettable Total Flow (SCF)	65739614
2 Days Ago Flow (SCF)	108884	Reset Time	11:33:5
3 Days Ago Flow (SCF)	107199	Reset Date	11-21-08
4 Days Ago Flow (SCF)	107291		
5 Days Ago Flow (SCF)	107449	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	108982	Area #1 LEL	0
7 Days Ago Flow (SCF)	109645	Area #2 LEL	0

Date And Time			
Date	4/12/10	Time	10:20:28

.5 - .4

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	4/13/10	**Time**	8:30 am
Technician	N. Somerville	Wind Speed/Direction	
Ambient Temperature (°F)		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)	0.1
Methane (% Vol)	20.6		Nitrogen Pressure (psi)	700
Carbon Dioxide (% Vol)	20.3		Blower Inlet Valve (% Open)	30%
Oxygen (% Vol)	0		Blower Inlet Temp. (°F)	67°
Balance Gas (% Vol)	58.9		Blower Discharge Temp. (°F)	111°
Inlet Vacuum (in WC)	-10.819			

FLARE STATION		
Flare Inlet Pressure (in WC)	+ 0.450	
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)	9.3	Top Flare Temp. (°F)	1476
Flow Rate (SCFM)	72	Middle Flare Temp. (°F)	1565
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1521
Blower Current (Amps)	5.4	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1474	Louver Position (% Closed)	93%
Flare Middle Temp. (°F)	1576	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1522	Control Mode	Auto
Area LEL (%)	1		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.4	Current Flow (SCFM)	73
Blower **301** Current **(Hours)**	15051	Today's Total Flow (SCF)	34677
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	1765255265
Blower **302** Current **(Hours)**	13724		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	109223	Resettable Total Flow (SCF)	65841147
2 Days Ago Flow (SCF)	108993	Reset Time	11:33:3
3 Days Ago Flow (SCF)	108884	Reset Date	11/21/08
4 Days Ago Flow (SCF)	107199		
5 Days Ago Flow (SCF)	107291	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	107440	Area #1 LEL	1
7 Days Ago Flow (SCF)	108982	Area #2 LEL	0

Date And Time			
Date	13-Apr-10	Time	8:38:07

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	4/14/10	**Time**	8:30 am
Technician	N. Somerville	Wind Speed/Direction	
Ambient Temperature (°F)		Barometric Pressure (in Hg)	
Weather	Sunny Clear	**GEM I.D.**	

BLOWER STATION				
Blowers Status **301** (circle)	On	Off	Demister Inlet Valve Position (% Open)	100
Blowers Status **302** (circle)	On	Off	Demister Differential Pressure (in WC)	0
Methane (% Vol)	19.5		Nitrogen Pressure (psi)	700
Carbon Dioxide (% Vol)	18.9		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.3		Blower Inlet Temp. (°F)	65
Balance Gas (% Vol)	61.4		Blower Discharge Temp. (°F)	114°
Inlet Vacuum (in WC)	-08.207			

FLARE STATION		
Flare Inlet Pressure (in WC)	+0.201	
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)	11.9	Top Flare Temp. (°F)	1400
Flow Rate (SCFM)	77	Middle Flare Temp. (°F)	1513
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1484
Blower Current (Amps)	5.5	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1397	Louver Position (% Closed)	96%
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1487	Control Mode	Auto
Area LEL (%)	1		

Blower Data		**Flow & Totalizer**	
Blower **301** Current (**Amps**)	5.5	Current Flow (SCFM)	76
Blower **301** Current (**Hours**)	15075	Today's Total Flow (SCF)	35436
Blower **302** Current (**Amps**)	0	Total Flow (SCF)	1766360 08
Blower **302** Current (**Hours**)	13724		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	110084	Resettable Total Flow (SCF)	65952225
2 Days Ago Flow (SCF)	109223	Reset Time	11:33:3
3 Days Ago Flow (SCF)	108993	Reset Date	11/21/08
4 Days Ago Flow (SCF)	108884		
5 Days Ago Flow (SCF)	107199	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	107291	Area #1 LEL	1
7 Days Ago Flow (SCF)	107440	Area #2 LEL	0

Date And Time			
Date	14-APR-10	Time	8:44:31

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	4/15/10	**Time**	8:30 am
Technician	N. Somerville	Wind Speed/Direction	
Ambient Temperature (°F)		Barometric Pressure (in Hg)	
Weather	Sunny + clear	**GEM I.D.**	

BLOWER STATION				
Blowers Status **301** (circle)	On	(Off)	Demister Inlet Valve Position (% Open)	10.0
Blowers Status **302** (circle)	(On)	Off	Demister Differential Pressure (in WC)	~~N/A~~ 0
Methane (% Vol)	20.2		Nitrogen Pressure (psi)	700
Carbon Dioxide (% Vol)	19.5		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.2		Blower Inlet Temp. (°F)	69°
Balance Gas (% Vol)	59.9		Blower Discharge Temp. (°F)	113°
Inlet Vacuum (in WC)	-9.364			

FLARE STATION		
Flare Inlet Pressure (in WC)	+ 0.390	
Flame Arrestor Differential Pressure (in WC)	0.1	
Aux Fuel Pressure (in WC) - Natural Gas	N/A	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	8.6	Top Flare Temp. (°F)	1458
Flow Rate (SCFM)	90	Middle Flare Temp. (°F)	1557
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1494
Blower Current (Amps)	5.4	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1450	Louver Position (% Closed)	95%
Flare Middle Temp. (°F)	1552	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1492	Control Mode	Auto
Area LEL (%)	0		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0	Current Flow (SCFM)	84
Blower **301** Current **(Hours)**	15075	Today's Total Flow (SCF)	39429
Blower **302** Current **(Amps)**	5.4	Total Flow (SCF)	176758218
Blower **302** Current **(Hours)**	13747		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	118253	Resettable Total Flow (SCF)	66074089
2 Days Ago Flow (SCF)	110084	Reset Time	11:33:3
3 Days Ago Flow (SCF)	199223	Reset Date	11/21/08
4 Days Ago Flow (SCF)	108993		
5 Days Ago Flow (SCF)	108884	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	107199	Area #1 LEL	1
7 Days Ago Flow (SCF)	107291	Area #2 LEL	0

Date And Time			
Date	15-APR-10	Time	8:34:37

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	4/16/10	**Time**	7:20 am
Technician	N. Somerville	Wind Speed/Direction	
Ambient Temperature (°F)		Barometric Pressure (in Hg)	
Weather	Cloudy	**GEM I.D.**	

BLOWER STATION

Blowers Status **301** (circle)	On	(Off)	Demister Inlet Valve Position (% Open)		10.0
Blowers Status **302** (circle)	(On)	Off	Demister Differential Pressure (in WC)		~~0.770~~
Methane (% Vol)	20.2		Nitrogen Pressure (psi)		700
Carbon Dioxide (% Vol)	19.5		Blower Inlet Valve (% Open)		30
Oxygen (% Vol)	0.4		Blower Inlet Temp. (°F)		66°
Balance Gas (% Vol)	59.9		Blower Discharge Temp. (°F)		102
Inlet Vacuum (in WC)	-9.800				

FLARE STATION

Flare Inlet Pressure (in WC)	+0.072	No Visible Emissions
Flame Arrestor Differential Pressure (in WC)	0.1	
Aux Fuel Pressure (in WC) - Natural Gas	N/A	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	9.3	Top Flare Temp. (°F)	1494
Flow Rate (SCFM)	83	Middle Flare Temp. (°F)	1654
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1567
Blower Current (Amps)	5.3	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1490	Louver Position (% Closed)	96%
Flare Middle Temp. (°F)	1638	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1561	Control Mode	Auto
Area LEL (%)	2		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0	Current Flow (SCFM)	85
Blower **301** Current **(Hours)**	15075	Today's Total Flow (SCF)	33222
Blower **302** Current **(Amps)**	5.3	Total Flow (SCF)	176875958
Blower **302** Current **(Hours)**	13720		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	123887	Resettable Total Flow (SCF)	66191771
2 Days Ago Flow (SCF)	118253	Reset Time	11:33:3
3 Days Ago Flow (SCF)	110084	Reset Date	11/21/08
4 Days Ago Flow (SCF)	109223		
5 Days Ago Flow (SCF)	108993	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	108884	Area #1 LEL	2
7 Days Ago Flow (SCF)	107199	Area #2 LEL	1

Date And Time			
Date	16-Apr-10	Time	7:23:55

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	4/19/10	**Time**	7:15 am
Technician	Matt	Wind Speed/Direction	
Ambient Temperature (°F)		Barometric Pressure (in Hg)	
Weather	Sunny + clear	**GEM I.D.**	

BLOWER STATION				
Blowers Status **301** (circle)	On	(Off)	Demister Inlet Valve Position (% Open)	10.0
Blowers Status **302** (circle)	(On)	Off	Demister Differential Pressure (in WC)	~~0.9~~ 0
Methane (% Vol)	20.5		Nitrogen Pressure (psi)	700
Carbon Dioxide (% Vol)	19.8		Blower Inlet Valve (% Open)	30%
Oxygen (% Vol)	0.2		Blower Inlet Temp. (°F)	64°
Balance Gas (% Vol)	59.4		Blower Discharge Temp. (°F)	106°
Inlet Vacuum (in WC)	-10.002			

FLARE STATION		
Flare Inlet Pressure (in WC)	+ 0.413	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	N/A	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	9.2	Top Flare Temp. (°F)	1446
Flow Rate (SCFM)	87	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1485
Blower Current (Amps)	5.3	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1444	Louver Position (% Closed)	95%
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1484	Control Mode	Auto
Area LEL (%)	1		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0	Current Flow (SCFM)	85
Blower **301** Current **(Hours)**	15075	Today's Total Flow (SCF)	33195
Blower **302** Current **(Amps)**	5.3	Total Flow (SCF)	177248223
Blower **302** Current **(Hours)**	13842		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	124476	Resettable Total Flow (SCF)	665640036
2 Days Ago Flow (SCF)	123400	Reset Time	11:33:3
3 Days Ago Flow (SCF)	124416	Reset Date	11/21/08
4 Days Ago Flow (SCF)	123887		
5 Days Ago Flow (SCF)	118253	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	110084	Area #1 LEL	1
7 Days Ago Flow (SCF)	109223	Area #2 LEL	0

Date And Time			
Date	19-APR-10	Time	7:22:58

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	4/20/10	**Time**	7:15 am
Technician	NS	Wind Speed/Direction	
Ambient Temperature (°F)		Barometric Pressure (in Hg)	
Weather	Sunny	**GEM I.D.**	

BLOWER STATION					
Blowers Status **301** (circle)	On	(Off)	Demister Inlet Valve Position (% Open)	100
Blowers Status **302** (circle)	(On)	Off	Demister Differential Pressure (in WC)	~~N/A~~ 0
Methane (% Vol)	20.0		Nitrogen Pressure (psi)	700
Carbon Dioxide (% Vol)	19.5		Blower Inlet Valve (% Open)	30%
Oxygen (% Vol)	0.4		Blower Inlet Temp. (°F)	66°
Balance Gas (% Vol)	60.2		Blower Discharge Temp. (°F)	112°
Inlet Vacuum (in WC)	-9.560			

FLARE STATION		
Flare Inlet Pressure (in WC)	+ 0.374	
Flame Arrestor Differential Pressure (in WC)	0.1	
Aux Fuel Pressure (in WC) - Natural Gas	N/A	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	9.6	Top Flare Temp. (°F)	1433
Flow Rate (SCFM)	88	Middle Flare Temp. (°F)	1533
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1511
Blower Current (Amps)	5.3	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1433	Louver Position (% Closed)	91
Flare Middle Temp. (°F)	1524	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1574	Control Mode	Auto
Area LEL (%)	1		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0	Current Flow (SCFM)	87
Blower **301** Current **(Hours)**	15075	Today's Total Flow (SCF)	32976
Blower **302** Current **(Amps)**	5.3	Total Flow (SCF)	177372396
Blower **302** Current **(Hours)**	13866		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	124392	Resettable Total Flow (SCF)	66688211
2 Days Ago Flow (SCF)	124476	Reset Time	11:33:3
3 Days Ago Flow (SCF)	123400	Reset Date	11/21/08
4 Days Ago Flow (SCF)	124416		
5 Days Ago Flow (SCF)	123887	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	118253	Area #1 LEL	1
7 Days Ago Flow (SCF)	110084	Area #2 LEL	0

Date And Time			
Date	20-APR-10	Time	7:20:38

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	4-21-10	**Time**	7:12 am
Technician	Nate	Wind Speed/Direction	
Ambient Temperature (°F)		Barometric Pressure (in Hg)	
Weather	Sunny + clear	**GEM I.D.**	

BLOWER STATION				
Blowers Status **301** (circle)	On	(Off)	Demister Inlet Valve Position (% Open)	100
Blowers Status **302** (circle)	(On)	Off	Demister Differential Pressure (in WC)	~~0~~ 0
Methane (% Vol)	20.0		Nitrogen Pressure (psi)	700
Carbon Dioxide (% Vol)	19.1		Blower Inlet Valve (% Open)	30%
Oxygen (% Vol)	0.6		Blower Inlet Temp. (°F)	68%
Balance Gas (% Vol)	59.7		Blower Discharge Temp. (°F)	114%
Inlet Vacuum (in WC)	-10.041			

FLARE STATION		
Flare Inlet Pressure (in WC)	+0.375	
Flame Arrestor Differential Pressure (in WC)	0.1	
Aux Fuel Pressure (in WC) - Natural Gas	N/A	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	9.6	Top Flare Temp. (°F)	1366
Flow Rate (SCFM)	84	Middle Flare Temp. (°F)	1566
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1521
Blower Current (Amps)	5.2	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1378	Louver Position (% Closed)	98%
Flare Middle Temp. (°F)	1566	Control Temperature (SP)	[illegible] 1500
Flare Bottom Temp. (°F)	1517	Control Mode	Auto
Area LEL (%)	1		

Blower Data		**Flow & Totalizer**	
Blower **301** Current (**Amps**)	0	Current Flow (SCFM)	86
Blower **301** Current (**Hours**)	15075	Today's Total Flow (SCF)	32122
Blower **302** Current (**Amps**)	5.2	Total Flow (SCF)	17749202
Blower **302** Current (**Hours**)	13890		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	123660	Resettable Total Flow (SCF)	6681010
2 Days Ago Flow (SCF)	124392	Reset Time	11133:3
3 Days Ago Flow (SCF)	124476	Reset Date	11/21/09
4 Days Ago Flow (SCF)	123400		
5 Days Ago Flow (SCF)	124416	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	123887	Area #1 LEL	1
7 Days Ago Flow (SCF)	118253	Area #2 LEL	0

Date And Time			
Date	21-Apr-10	Time	7:14:27

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	4/22/10	**Time**	7:30 am
Technician	Nate	Wind Speed/Direction	
Ambient Temperature (°F)		Barometric Pressure (in Hg)	
Weather	Sunny & Hazy	**GEM I.D.**	

BLOWER STATION				
Blowers Status **301** (circle)	On	(Off)	Demister Inlet Valve Position (% Open)	100
Blowers Status **302** (circle)	(On)	Off	Demister Differential Pressure (in WC)	~~N/A~~ 0
Methane (% Vol)	19.8		Nitrogen Pressure (psi)	700
Carbon Dioxide (% Vol)	19.7		Blower Inlet Valve (% Open)	30 %
Oxygen (% Vol)	0.1		Blower Inlet Temp. (°F)	68°
Balance Gas (% Vol)	60.2		Blower Discharge Temp. (°F)	113°
Inlet Vacuum (in WC)	-9.61			

FLARE STATION		
Flare Inlet Pressure (in WC)	+ 0.225	
Flame Arrestor Differential Pressure (in WC)	0.1	
Aux Fuel Pressure (in WC) - Natural Gas	N/A	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	10.2	Top Flare Temp. (°F)	1393
Flow Rate (SCFM)	87	Middle Flare Temp. (°F)	1560
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1503
Blower Current (Amps)	5.3	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1392	Louver Position (% Closed)	92 %
Flare Middle Temp. (°F)	1556	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1503	Control Mode	Auto
Area LEL (%)	1		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0	Current Flow (SCFM)	85
Blower **301** Current **(Hours)**	15075	Today's Total Flow (SCF)	33762
Blower **302** Current **(Amps)**	5.3	Total Flow (SCF)	1776203 15
Blower **302** Current **(Hours)**	13914		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	123473	Resettable Total Flow (SCF)	66936464
2 Days Ago Flow (SCF)	123660	Reset Time	11:33:3
3 Days Ago Flow (SCF)	124392	Reset Date	11/28/08
4 Days Ago Flow (SCF)	124476		
5 Days Ago Flow (SCF)	123400	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	124416	Area #1 LEL	1
7 Days Ago Flow (SCF)	123887	Area #2 LEL	0

Date And Time			
Date	22-APR-10	Time	7:34:50

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	4/23/10	**Time**	7:30 am
Technician	NS	Wind Speed/Direction	
Ambient Temperature (°F)		Barometric Pressure (in Hg)	
Weather	Sunny + clear	**GEM I.D.**	

BLOWER STATION				
Blowers Status **301** (circle)	On	(Off)	Demister Inlet Valve Position (% Open)	100
Blowers Status **302** (circle)	(On)	Off	Demister Differential Pressure (in WC)	~~0.9~~ 0
Methane (% Vol)	21.7		Nitrogen Pressure (psi)	700
Carbon Dioxide (% Vol)	19.5		Blower Inlet Valve (% Open)	30%
Oxygen (% Vol)	0.7		Blower Inlet Temp. (°F)	65°
Balance Gas (% Vol)	58.0		Blower Discharge Temp. (°F)	109°
Inlet Vacuum (in WC)	-10.450			

FLARE STATION		
Flare Inlet Pressure (in WC)	+0.507	
Flame Arrestor Differential Pressure (in WC)	0.1	
Aux Fuel Pressure (in WC) - Natural Gas	N/A	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	10.4	Top Flare Temp. (°F)	1460
Flow Rate (SCFM)	88	Middle Flare Temp. (°F)	1563
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1504
Blower Current (Amps)	5.3	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1459	Louver Position (% Closed)	93
Flare Middle Temp. (°F)	1560	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1503	Control Mode	Auto
Area LEL (%)	1		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0	Current Flow (SCFM)	~~[illegible]~~ NS 85
Blower **301** Current **(Hours)**	15075	Today's Total Flow (SCF)	33651
Blower **302** Current **(Amps)**	5.3	Total Flow (SCF)	177742495
Blower **302** Current **(Hours)**	13938		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	122791	Resettable Total Flow (SCF)	670
2 Days Ago Flow (SCF)	123473	Reset Time	11:33:3
3 Days Ago Flow (SCF)	123660	Reset Date	11/21/08
4 Days Ago Flow (SCF)	124392		
5 Days Ago Flow (SCF)	124476	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	123400	Area #1 LEL	1
7 Days Ago Flow (SCF)	124416	Area #2 LEL	0

Date And Time			
Date	23-APR-10	Time	7:32:40

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	4/26/10	**Time**	0800
Technician	NS	Wind Speed/Direction	
Ambient Temperature (°F)		Barometric Pressure (in Hg)	
Weather	Cloudy	**GEM I.D.**	

BLOWER STATION				
Blowers Status **301** (circle)	On	(Off)	Demister Inlet Valve Position (% Open)	100
Blowers Status **302** (circle)	(On)	Off	Demister Differential Pressure (in WC)	N/A 0
Methane (% Vol)	23.6		Nitrogen Pressure (psi)	700
Carbon Dioxide (% Vol)	20.2		Blower Inlet Valve (% Open)	30%
Oxygen (% Vol)	0.7		Blower Inlet Temp. (°F)	74°
Balance Gas (% Vol)	55.5		Blower Discharge Temp. (°F)	101°
Inlet Vacuum (in WC)	-8.518			

FLARE STATION		FLARE 0/S 7.5HRS
Flare Inlet Pressure (in WC)	+.555	FROM 4/25 @ 23:30 to
Flame Arrestor Differential Pressure (in WC)	0	4/26 @ 7 AM
Aux Fuel Pressure (in WC) - Natural Gas	N/A	(Severe T storms tripped flare + fire alarm)

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	8.3	Top Flare Temp. (°F)	1427
Flow Rate (SCFM)	78	Middle Flare Temp. (°F)	1548
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1504
Blower Current (Amps)	5.3	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1423	Louver Position (% Closed)	93%
Flare Middle Temp. (°F)	1549	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1506	Control Mode	Auto
Area LEL (%)	2		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0	Current Flow (SCFM)	84 ?
Blower **301** Current **(Hours)**	15075	Today's Total Flow (SCF)	1895
Blower **302** Current **(Amps)**	5.3	Total Flow (SCF)	178072907
Blower **302** Current **(Hours)**	14002		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	114668	Resettable Total Flow (SCF)	67388713
2 Days Ago Flow (SCF)	124065	Reset Time	11:33:3
3 Days Ago Flow (SCF)	123356	Reset Date	11/21/08
4 Days Ago Flow (SCF)	122291		
5 Days Ago Flow (SCF)	123473	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	123660	Area #1 LEL	1
7 Days Ago Flow (SCF)	124392	Area #2 LEL	0

Date And Time			
Date	26-APR-10	Time	8:17:07

Fire Alarm 3
4/25/10 23:31

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	4/27/10	**Time**	7:32
Technician	NS	Wind Speed/Direction	
Ambient Temperature (°F)		Barometric Pressure (in Hg)	
Weather	Cloudy *	**GEM I.D.**	

BLOWER STATION				
Blowers Status **301** (circle)	On	(Off)	Demister Inlet Valve Position (% Open)	100
Blowers Status **302** (circle)	(On)	Off	Demister Differential Pressure (in WC)	.07 ~~A~~ Q
Methane (% Vol)	22.5		Nitrogen Pressure (psi)	200
Carbon Dioxide (% Vol)	18.6		Blower Inlet Valve (% Open)	30%
Oxygen (% Vol)	0.9		Blower Inlet Temp. (°F)	64°
Balance Gas (% Vol)	58.1		Blower Discharge Temp. (°F)	108°
Inlet Vacuum (in WC)	-10.400			

FLARE STATION		
Flare Inlet Pressure (in WC)	+ 0.393	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	N/A	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	7.3	Top Flare Temp. (°F)	1453
Flow Rate (SCFM)	90	Middle Flare Temp. (°F)	1550
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1512
Blower Current (Amps)	5.2	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1452	Louver Position (% Closed)	90%
Flare Middle Temp. (°F)	1549	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1511	Control Mode	Auto
Area LEL (%)	2		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0	Current Flow (SCFM)	85
Blower **301** Current **(Hours)**	15075	Today's Total Flow (SCF)	33923
Blower **302** Current **(Amps)**	5.2	Total Flow (SCF)	178191385
Blower **302** Current **(Hours)**	14006		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	87448	Resettable Total Flow (SCF)	67508110
2 Days Ago Flow (SCF)	114668	Reset Time	11:33:3
3 Days Ago Flow (SCF)	124065	Reset Date	11/21/08
4 Days Ago Flow (SCF)	123356		
5 Days Ago Flow (SCF)	122291	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	123473	Area #1 LEL	2
7 Days Ago Flow (SCF)	123660	Area #2 LEL	0

Date And Time			
Date	27-APR-10	Time	7:40:10

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	4-28-10	**Time**	7:50 am
Technician	NS	Wind Speed/Direction	
Ambient Temperature (°F)		Barometric Pressure (in Hg)	
Weather	Sunny + clear	**GEM I.D.**	

BLOWER STATION			
Blowers Status **301** (circle)	~~On~~ Off	Demister Inlet Valve Position (% Open)	10.0
Blowers Status **302** (circle)	On Off	Demister Differential Pressure (in WC)	~~N/A~~ 0
Methane (% Vol)	20.0	Nitrogen Pressure (psi)	700
Carbon Dioxide (% Vol)	19.2	Blower Inlet Valve (% Open)	30%
Oxygen (% Vol)	0.3	Blower Inlet Temp. (°F)	60°
Balance Gas (% Vol)	59.8	Blower Discharge Temp. (°F)	100°
Inlet Vacuum (in WC)	-10.222		

FLARE STATION		
Flare Inlet Pressure (in WC)	+0.416	
Flame Arrestor Differential Pressure (in WC)	0.1	
Aux Fuel Pressure (in WC) - Natural Gas	N/A	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	10.8	Top Flare Temp. (°F)	1457
Flow Rate (SCFM)	87	Middle Flare Temp. (°F)	1562
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1493
Blower Current (Amps)	5.4	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1458	Louver Position (% Closed)	96%
Flare Middle Temp. (°F)	1554	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1493	Control Mode	Auto
Area LEL (%)	1		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0	Current Flow (SCFM)	86
Blower **301** Current **(Hours)**	15075	Today's Total Flow (SCF)	36184
Blower **302** Current **(Amps)**	5.4	Total Flow (SCF)	1783166 11
Blower **302** Current **(Hours)**	14050		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	132046	Resettable Total Flow (SCF)	67632423
2 Days Ago Flow (SCF)	87448	Reset Time	11:33:3
3 Days Ago Flow (SCF)	114668	Reset Date	11/21/08
4 Days Ago Flow (SCF)	124065		
5 Days Ago Flow (SCF)	123356	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	122291	Area #1 LEL	1
7 Days Ago Flow (SCF)	123473	Area #2 LEL	0

Date And Time			
Date	28-APR-10	Time	7:56:10

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	4/29/10	**Time**	7:20
Technician	NS	Wind Speed/Direction	
Ambient Temperature (°F)		Barometric Pressure (in Hg)	
Weather	Sunny + clear	**GEM I.D.**	

BLOWER STATION				
Blowers Status **301** (circle)	On	(Off)	Demister Inlet Valve Position (% Open)	10.0
Blowers Status **302** (circle)	(On)	Off	Demister Differential Pressure (in WC)	N/A 0
Methane (% Vol)	19.1		Nitrogen Pressure (psi)	700
Carbon Dioxide (% Vol)	18.4		Blower Inlet Valve (% Open)	30%
Oxygen (% Vol)	1.3		Blower Inlet Temp. (°F)	62°
Balance Gas (% Vol)	61.2		Blower Discharge Temp. (°F)	104°
Inlet Vacuum (in WC)	-10.437			

FLARE STATION		
Flare Inlet Pressure (in WC)	+ 0.522	
Flame Arrestor Differential Pressure (in WC)	[illegible]	
Aux Fuel Pressure (in WC) - Natural Gas	N/A	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	10.6	Top Flare Temp. (°F)	1572
Flow Rate (SCFM)	87	Middle Flare Temp. (°F)	1617
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1585
Blower Current (Amps)	5.3	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1512	Louver Position (% Closed)	94%
Flare Middle Temp. (°F)	1617	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1585	Control Mode	Auto
Area LEL (%)	1		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0	Current Flow (SCFM)	84
Blower **301** Current **(Hours)**	15025	Today's Total Flow (SCF)	33546
Blower **302** Current **(Amps)**	5.3	Total Flow (SCF)	17843822
Blower **302** Current **(Hours)**	14074		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	124749	Resettable Total Flow (SCF)	67754537
2 Days Ago Flow (SCF)	122046	Reset Time	11:33:3
3 Days Ago Flow (SCF)	87448	Reset Date	11/21/10
4 Days Ago Flow (SCF)	114668		
5 Days Ago Flow (SCF)	124065	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	123356	Area #1 LEL	1
7 Days Ago Flow (SCF)	122291	Area #2 LEL	0

Date And Time			
Date	29-APR-10	Time	7:26:19

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	4/30/10	**Time**	7:20 am
Technician	NS	Wind Speed/Direction	
Ambient Temperature (°F)		Barometric Pressure (in Hg)	
Weather	Partly cloudy	**GEM I.D.**	

BLOWER STATION				
Blowers Status **301** (circle)	On	(Off)	Demister Inlet Valve Position (% Open)	100
Blowers Status **302** (circle)	(On)	Off	Demister Differential Pressure (in WC)	~~140~~
Methane (% Vol)	19.4		Nitrogen Pressure (psi)	700
Carbon Dioxide (% Vol)	18.3		Blower Inlet Valve (% Open)	30%
Oxygen (% Vol)	1.0		Blower Inlet Temp. (°F)	70°
Balance Gas (% Vol)	61.2		Blower Discharge Temp. (°F)	114°
Inlet Vacuum (in WC)	-9.955			

FLARE STATION		
Flare Inlet Pressure (in WC)	+ 0.503	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	N/A	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	9.2	Top Flare Temp. (°F)	1474
Flow Rate (SCFM)	85	Middle Flare Temp. (°F)	1565
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1512
Blower Current (Amps)	5.3	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1474	Louver Position (% Closed)	93%
Flare Middle Temp. (°F)	1568	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1514	Control Mode	Auto
Area LEL (%)	0		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0	Current Flow (SCFM)	86
Blower **301** Current **(Hours)**	15075	Today's Total Flow (SCF)	32942
Blower **302** Current **(Amps)**	5.3	Total Flow (SCF)	178561771
Blower **302** Current **(Hours)**	14098		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	123653	Resettable Total Flow (SCF)	67872582
2 Days Ago Flow (SCF)	124749	Reset Time	11:33:3
3 Days Ago Flow (SCF)	122046	Reset Date	11/21/08
4 Days Ago Flow (SCF)	87448		
5 Days Ago Flow (SCF)	114668	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	124965	Area #1 LEL	0
7 Days Ago Flow (SCF)	123356	Area #2 LEL	0

Date And Time			
Date	30-APR-10	Time	7:20:51

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

04/01/2010 7:17 AM

PRODUCT INUNTORY SUMMARY

(GROSS VOLUME)

PROD 1 947.1 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

04/02/2010 7:00 AM

PRODUCT INUNTORY SUMMARY

(GROSS VOLUME)

PROD 1 950.7 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

04/05/2010 7:39 AM

PRODUCT INUNTORY SUMMARY

(GROSS VOLUME)

PROD 1 960.6 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

04/07/2010 7:36 AM

PRODUCT INUNTORY SUMMARY

(GROSS VOLUME)

PROD 1 966.0 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

04/08/2010 7:32 AM

PRODUCT INUNTORY SUMMARY

(GROSS VOLUME)

PROD 1 968.5 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

04/09/2010 11:46 AM

TANK INUENTORY SUMMARY

(GROSS VOLUME)

TANK 1 972.3 GAL

REMEDIAITION OF PENN.
LANDFILL
1750 PENNSYLVANIA AVE
BROOKLYN NY
GAS CONDENSATE TANK

04/12/2010 10:25 AM

TANK INUENTORY SUMMAR

(GROSS VOLUME)

TANK 1 980.1 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

04/13/2010 8:45 AM

TANK INUENTORY SUMMARY

982.0

(GROSS VOLUME)

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

04/14/2010 8:36 AM

TANK INUENTORY SUMMARY

(GROSS VOLUME)

TANK 1 984.7 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

04/15/2010 8:33 AM

TANK INUENTORY SUMMARY

(GROSS VOLUME)

TANK 1 986.3 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

04/16/2010 7:28 AM

TANK INUENTORY SUMMARY

(GROSS VOLUME)

987.9

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

04/19/2010 7:27 AM

TANK INUENTORY SUMMARY

(GROSS VOLUME)

TANK 1 994.9 GAL

...E

1750 PENNSYLVANIA ...
BROOKLYN NY
GAS CONDENSATE TANK

04/20/2010 7:27 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 996.7 GAL

...AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

04/21/2010 7:14 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

998.9

TANK 1 ...L

...AVE

1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

04/22/2010 7:40 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

1000.8

TANK 1 ...AL

...AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

04/23/2010 7:37 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1002.8 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

04/26/2010 8:21 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1008.2 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

04/27/2010 7:46 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1010.3 GAL

REMFDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

04/28/2010 7:53 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1011.8 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

04/29/2010 7:31 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1012.7 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

04/30/2010 7:24 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1014.1 GAL

PENNSYLVANIA AVENUE LANDFILL							Month: **May**					Year: **2010**			**LFG-1**	
		WEATHER					**FLARE TEMPERATURE**							**FLARE STATION**		
DATE	TIME	Weather	Ambient Temp (ºF)	Wind Speed	Wind 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																
2																
3	13:45	Cloudy	69	6	SW	29.71	1482	1555	1501	Bottom	92	1500	Auto	0.49	0.1	0
4	7:52	Cloudy	68		Calm	29.83	1354	1522	1513	Bottom	91	1500	Auto	0.42	0.1	0
5	7:20	Sunny	63	5	W	29.99	1373	1564	1510	Bottom	93	1500	Auto	0.36	0.1	0
6	7:40	Sunny	58	7	S	29.74	1420	0	1500	Bottom	92	1500	Manual	0.45	0.1	0
7	7:15	Sunny	57	8	N	30.02	1436	0	1508	Bottom	90	1500	Manual	0.40	0.1	0
8																
9																
10	8:05	Sunny	48	15	WNW	30.23	1366	0	1396	Bottom	100	1500	Manual	0.43	0.1	0
11	7:20	Sunny	50	9	N	30.47	1405	1534	1496	Bottom	100	1500	Auto	0.50	0.1	0
12	7:15	Cloudy	46	13	E	30.17	1386	0	1469	Bottom	100	1500	Manual	0.44	0.1	0
13	7:30	Sunny	52	12	N	30.22	1408	1515	1497	Bottom	100	1500	Auto	0.45	0.1	0
14	7:50	Overcast	56	10	SW	30.01	1445	1563	1513	Bottom	99	1500	Auto	0.44	0.1	0
15																
16																
17	7:37	Sunny	68	4	NNW	30.12	1222	0	1443	Bottom	100	1500	Manual	0.45	0.1	0
18	9:35	Rain	52	14	E	29.94	1385	0	1415	Bottom	100	1500	Manual	0.38	0.1	0
19	7:40	cloudy	56	12	N	29.75	1388	0	1451	Bottom	100	1500	Manual	0.45	0.1	0
20	7:44	Sunny	64	10	SW	29.84	1295	0	1440	Bottom	100	1500	Manual	0.48	0.1	0
21	7:12	Sunny	75	8	N	29.97	1294	0	1422	Bottom	100	1500	Manual	0.39	0.1	0
22																
23																
24	7:40	Drizzle	64	8	ENE		1382	0	1457	Bottom	100	1500	Manual	0.47	0.1	0
25	7:40	Sunny	68		Calm	30.15	1232	0	1412	Bottom	100	1500	Manual	0.48	0.1	0
26	8:00	Sunny	70	5	W	29.84	1310	0	1434	Bottom	100	1500	Manual	0.39	0.1	0
27	7:35	Cloudy	69	10	ENE	29.72	1376	1485	1451	Bottom	100	1500	Manual	0.40	0.1	0
28	8:05	Sunny	62	7	SE	29.88	1361	0	1438	Bottom	100	1500	Manual	0.44	0.1	0
29																
30																
31																

PENNSYLVANIA AVENUE LANDFILL										Month: **May**		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																	
2																	
3	13:45	302	21.3	17.3	1.0	60.4	-8.8	10	0	700	30	77	122	0	15075	5.2	14176
4	7:52	302	23.0	18.2	0.9	57.9	-9.3	10	0	700	30	75	125	0	15075	5.2	14194
5	7:20	302	23.2	18.9	0.6	57.3	-9.9	10	0	700	30	72	120	0	15075	5.2	14218
6	7:40	302	23.5	18.4	1.1	57.0	-9.5	10	0	700	30	73	120	0	15075	5.1	14242
7	7:15	302	22.8	18.6	1.2	57.4	-9.3	10	0	700	30	72	112	0	15075	5.2	14265
8																	
9																	
10	8:05	302	20.2	18.3	1.3	60.2	-10.0	10	0	700	30	64	104	0	15075	5.3	14338
11	7:20	302	20.2	17.9	1.1	60.8	-10.1	10	0	700	30	66	110	0	15075	5.3	14362
12	7:15	302	20.6	17.7	1.1	60.6	-9.5	10	0	700	30	66	102	0	15075	5.3	14385
13	7:30	302	20.4	18.8	0.6	60.2	-10.5	10	0	700	30	67	107	0	15075	5.4	14410
14	7:50	302	20.2	18.7	0.6	60.5	-9.1	10	0	700	30	70	114	0	15075	5.3	14434
15																	
16															`		
17	7:37	302	20.0	18.5	0.7	60.8	-9.5	10	0	700	30	74	122	0	15075	5.2	14506
18	9:35	302	20.4	18.6	0.7	60.3	-10.0	10	0	700	30	72	110	0	15075	5.3	14532
19	7:40	302	20.5	18.8	0.9	59.8	-9.9	10	0	700	30	68	110	0	15075	5.3	14554
20	7:44	302	20.3	18.8	0.7	60.2	-9.3	10	0	700	30	72	121	0	15075	5.2	14578
21	7:12	302	20.3	18.9	1.2	59.6	-9.5	10	0	700	30	76	125	0	15075	5.2	14601
22																	
23																	
24	7:40	302	19.2	17.6	1.4	61.8	-8.7	10	0	700	30	76	118	0	15075	5.2	14674
25	7:40	302	20.2	18.8	0.7	60.3	-9.3	10	0	700	30	77	127	0	15075	5.2	14698
26	8:00	302	20.5	18.9	0.4	60.2	-9.0	10	0	700	30	80	127	0	15075	5.1	14722
27	7:35	302	20.3	18.2	0.7	60.8	-9.7	10	0	700	30	80	120	0	15075	5.1	14746
28	8:05	302	20.3	19.2	0.1	60.4	-9.3	10	0	700	30	78	122	0	15075	5.1	14770
29																	
30																	
31																	

PENNSYLVANIA AVENUE LANDFILL		Month: **May**									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															123,274
2															122,866
3	13:45	-7.9	86	0	5.2	1483	1555	1502	1	1	0	85	64,927	178,962,707	122,811
4	7:52	-9.6	86	0	5.2	1353	1503	1515	1	1	0	84	35,169	179,054,885	121,936
5	7:20	-9.9	88	0	5.2	1372	1556	1507	1	1	0	86	32,749	179,174,085	121,620
6	7:40	-10.2	85	0	5.1	1418	0	1500	1	1	0	84	34,643	179,298,832	122,853
7	7:15	-9.0	87	0	5.2	1436	0	1507	1	1	0	86	32,316	179,418,445	121,940
8															123,395
9															122,002
10	8:05	-10.2	88	0	5.3	1365	0	1389	2	2	0	89	37,964	179,794,938	125,448
11	7:20	-10.0	87	0	5.2	1403	1532	1496	1	1	0	88	34,185	179,918,023	126,864
12	7:15	-9.6	86	0	5.3	1379	0	1469	2	2	1	88	33,528	180,044,926	127,473
13	7:30	-10.1	87	0	5.4	1404	1523	1500	2	2	0	87	35,451	180,174,591	127,739
14	7:50	-9.4	90	0	5.3	1445	1561	1513	2	2	0	88	36,344	180,302,215	126,736
15															124,509
16															122,344
17	7:37	-9.7	89	0	5.2	1226	0	1442	1	1	0	86	34,364	180,670,481	123,478
18	9:35	-9.5	83	0	5.2	1386	0	1414	2	2	1	85	44,471	180,804,145	123,557
19	7:40	-10.7	85	0	5.3	1386	0	1452	2	2	1	89	34,811	180,919,104	124,536
20	7:44	-9.7	87	0	5.2	1297	0	1441	1	1	0	86	34,828	181,042,513	123,475
21	7:12	-11.5	89	0	5.2	1294	0	1422	1	1	0	86	31,880	181,161,934	122,369
22															122,604
23															123,057
24	7:40	-9.6	83	0	5.2	1378	0	1457	2	2	1	85	34,314	181,532,874	122,445
25	7:40	-9.7	82	0	5.2	1228	0	1412	1	1	0	86	34,498	181,655,069	123,011
26	8:00	-9.0	84	0	5.1	1313	0	1436	1	1	0	84	36,234	181,780,049	123,162
27	7:35	-9.0	83	0	5.1	1373	1493	1449	1	1	1	84	31,588	181,896,171	120,767
28	8:05	-9.3	85	0	5.1	1360	0	1439	2	2	1	88	36,476	182,020,656	119,680
29															121,855
30															121,431
31															119,378

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

Date		Landfill Gas System			Landfill - Cover & Stormwater Systems, Roads, etc.
		Hours On	Flare	LFG Collection - Extraction Wells	
Weekend	1-May	24	There was no flare down-time during the month of May 2010	Modified and loaded comments and IDs into GEM gas meter	5/3 - Storm event inspection.
Weekend	2-May	24			5/4 Mowing and maintenance of entrance, plant and parking lot.
Monday	3-May	24		All 46 landfill gas extraction wells were monitored and inspected.	
Tuesday	4-May	24			5/5 and 5/6 - Mowed and weed-wacked areas around extraction wells, both GWL pumping stations, and around groundwater monitoring wells and changed the locks.
Wednesday	5-May	24	30,558 SCF of natural gas was used to supplement the landfill gas		
Thursday	6-May	24			
Friday	7-May	24	5/7 - Shut off the supplemental natural gas.		5/7 - Weed-wacked and mowed around the DEP trailers at Penn and at Fountain.
Weekend	8-May	24			
Weekend	9-May	24			
Monday	10-May	24			5/10 - Mowed access paths. Cleaned debris in Swale A-5X.
Tuesday	11-May	24			5/11 - Cleaning Culverts D-1 and D-2
Wednesday	12-May	24			
Thursday	13-May	24			
Friday	14-May	24			
Weekend	15-May	24			
Weekend	16-May	24			
Monday	17-May	24			
Tuesday	18-May	24	5/19 - Completed header insulation installation, elbows.		5/20 - Assembled extension throttle and harness cables on DR mower.
Wednesday	19-May	24			
Thursday	20-May	24			5/20 and 5/21- clearing paths to extraction wells.
Friday	21-May	24			
Weekend	22-May	24			
Weekend	23-May	24			
Monday	24-May	24			
Tuesday	25-May	24			5/25 and 5/26 - Mowed around both pumping stations, the plant, trailers, roads and parking lot.
Wednesday	26-May	24			
Thursday	27-May	24			5/27 and 5/28 - Mowed swales and weed-wacked around manholes.
Friday	28-May	24			
Weekend	29-May	24			
Weekend	30-May	24			
Monday	31-May	24			

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

Date	5/3/10	**Time**	1:45
Technician	NS	Wind Speed/Direction	6/SW
Ambient Temperature (°F)	69	Barometric Pressure (in Hg)	29.71
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)	21.3		Nitrogen Pressure (psi)	700
Carbon Dioxide (% Vol)	17.3		Blower Inlet Valve (% Open)	30%
Oxygen (% Vol)	1.0		Blower Inlet Temp. (°F)	77°
Balance Gas (% Vol)	60.3		Blower Discharge Temp. (°F)	122°
Inlet Vacuum (in WC)	-8.815			

FLARE STATION		
Flare Inlet Pressure (in WC)	+0.485	
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)	7.9	Top Flare Temp. (°F)	1482
Flow Rate (SCFM)	86	Middle Flare Temp. (°F)	1555
LFG Oxygen (%)	9	Bottom Flare Temp. (°F)	1501
Blower Current (Amps)	5.2	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1483	Louver Position (% Closed)	92
Flare Middle Temp. (°F)	1555	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1502	Control Mode	Auto
Area LEL (%)	1		

Blower Data		**Flow & Totalizer**	
Blower **301** Current (**Amps**)	0	Current Flow (SCFM)	85
Blower **301** Current (**Hours**)	15075	Today's Total Flow (SCF)	64927
Blower **302** Current (**Amps**)	5.2	Total Flow (SCF)	178962707
Blower **302** Current (**Hours**)	14176		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	122811	Resettable Total Flow (SCF)	68228517
2 Days Ago Flow (SCF)	122866	Reset Time	11:33:3
3 Days Ago Flow (SCF)	123274	Reset Date	11/21/08
4 Days Ago Flow (SCF)	123653		
5 Days Ago Flow (SCF)	124749	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	122046	Area #1 LEL	1
7 Days Ago Flow (SCF)	87448	Area #2 LEL	0

Date And Time			
Date	03-MAY-10	Time	1:43:55

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	5-4-10	**Time**	7:52
Technician	NS	Wind Speed/Direction	calm
Ambient Temperature (°F)	68	Barometric Pressure (in Hg)	29.33
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)	23.0		Nitrogen Pressure (psi)	700
Carbon Dioxide (% Vol)	18.2		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.9		Blower Inlet Temp. (°F)	75°
Balance Gas (% Vol)	57.8		Blower Discharge Temp. (°F)	125°
Inlet Vacuum (in WC)	-9.273			

FLARE STATION		
Flare Inlet Pressure (in WC)	+0.415	
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)	9.6	Top Flare Temp. (°F)	1354
Flow Rate (SCFM)	86	Middle Flare Temp. (°F)	1502
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1513
Blower Current (Amps)	5.2	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1353	Louver Position (% Closed)	91
Flare Middle Temp. (°F)	1503	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1515	Control Mode	Auto
Area LEL (%)	1		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0	Current Flow (SCFM)	84
Blower **301** Current **(Hours)**	15075	Today's Total Flow (SCF)	35169
Blower **302** Current **(Amps)**	5.2	Total Flow (SCF)	179054885
Blower **302** Current **(Hours)**	14194		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	121936	Resettable Total Flow (SCF)	68370691
2 Days Ago Flow (SCF)	122811	Reset Time	11:33:3
3 Days Ago Flow (SCF)	122866	Reset Date	11/21/08
4 Days Ago Flow (SCF)	123274		
5 Days Ago Flow (SCF)	123653	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	124749	Area #1 LEL	1
7 Days Ago Flow (SCF)	122046	Area #2 LEL	0

Date And Time			
Date	04-MAY-10	Time	7:55:18

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	5-5-10	**Time**	7:20
Technician	NS	**Wind Speed/Direction**	5 W
Ambient Temperature (°F)	63	Barometric Pressure (in Hg)	29.99
Weather	Sunny	**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)	23.2		Nitrogen Pressure (psi)	700
Carbon Dioxide (% Vol)	18.9		Blower Inlet Valve (% Open)	30%
Oxygen (% Vol)	0.6		Blower Inlet Temp. (°F)	72°
Balance Gas (% Vol)	57.2		Blower Discharge Temp. (°F)	120°
Inlet Vacuum (in WC)	-9.857			

FLARE STATION		
Flare Inlet Pressure (in WC)	+0.360	
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)	9.9	Top Flare Temp. (°F)	1373
Flow Rate (SCFM)	88	Middle Flare Temp. (°F)	1564
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1510
Blower Current (Amps)	5.2	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1372	Louver Position (% Closed)	93%
Flare Middle Temp. (°F)	1556	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1507	Control Mode	Auto
Area LEL (%)	1		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0	Current Flow (SCFM)	86
Blower **301** Current **(Hours)**	15075	Today's Total Flow (SCF)	32749
Blower **302** Current **(Amps)**	5.2	Total Flow (SCF)	179174085
Blower **302** Current **(Hours)**	14218		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	121620	Resettable Total Flow (SCF)	68489987
2 Days Ago Flow (SCF)	121936	Reset Time	11:53:5
3 Days Ago Flow (SCF)	122811	Reset Date	11/21/08
4 Days Ago Flow (SCF)	122866		
5 Days Ago Flow (SCF)	123274	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	123653	Area #1 LEL	1
7 Days Ago Flow (SCF)	124749	Area #2 LEL	0

Date And Time			
Date	05-MAY-10	Time	7:23:48

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	5/6/10	**Time**	7:40
Technician	NS	Wind Speed/Direction	7 S
Ambient Temperature (°F)	58	Barometric Pressure (in Hg)	29.74
Weather	Sunny / Hazy	**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)	23.5		Nitrogen Pressure (psi)	700
Carbon Dioxide (% Vol)	18.4		Blower Inlet Valve (% Open)	30%
Oxygen (% Vol)	1.1		Blower Inlet Temp. (°F)	73°
Balance Gas (% Vol)	56.7		Blower Discharge Temp. (°F)	120
Inlet Vacuum (in WC)	-9.543			

FLARE STATION		
Flare Inlet Pressure (in WC)	+ 0.445	
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)	-10.2	Top Flare Temp. (°F)	1420
Flow Rate (SCFM)	85	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)	1418	Louver Position (% Closed)	92
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1500	Control Mode	~~Auto~~ man
Area LEL (%)	1		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0	Current Flow (SCFM)	84
Blower **301** Current **(Hours)**	15075	Today's Total Flow (SCF)	34643
Blower **302** Current **(Amps)**	5.1	Total Flow (SCF)	179298832
Blower **302** Current **(Hours)**	14242		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	122853	Resettable Total Flow (SCF)	6861463
2 Days Ago Flow (SCF)	121620	Reset Time	11:33:3
3 Days Ago Flow (SCF)	121936	Reset Date	11/21/08
4 Days Ago Flow (SCF)	122811		
5 Days Ago Flow (SCF)	122866	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	123274	Area #1 LEL	1
7 Days Ago Flow (SCF)	123653	Area #2 LEL	0

Date And Time			
Date	06-MAY-10	Time	7:42:24

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	5/7/10	**Time**	7:15 am
Technician	NS	Wind Speed/Direction	8 N
Ambient Temperature (°F)	57	Barometric Pressure (in Hg)	30.02
Weather	Sunny	**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)	22.8		Nitrogen Pressure (psi)	700
Carbon Dioxide (% Vol)	18.6		Blower Inlet Valve (% Open)	30%
Oxygen (% Vol)	1.2		Blower Inlet Temp. (°F)	72
Balance Gas (% Vol)	57.4		Blower Discharge Temp. (°F)	112
Inlet Vacuum (in WC)	-9.31			

FLARE STATION		
Flare Inlet Pressure (in WC)	+ 0.401	
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)	9.0	Top Flare Temp. (°F)	1436
Flow Rate (SCFM)	87	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1508
Blower Current (Amps)	5.2	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1436	Louver Position (% Closed)	90
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1507	Control Mode	~~Auto~~ Man
Area LEL (%)	1		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0	Current Flow (SCFM)	86
Blower **301** Current **(Hours)**	15025	Today's Total Flow (SCF)	32316
Blower **302** Current **(Amps)**	5.2	Total Flow (SCF)	179418445
Blower **302** Current **(Hours)**	14265		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	121940	Resettable Total Flow (SCF)	68734256
2 Days Ago Flow (SCF)	122853	Reset Time	11:53:3
3 Days Ago Flow (SCF)	121620	Reset Date	11/21/08
4 Days Ago Flow (SCF)	121936		
5 Days Ago Flow (SCF)	122811	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	122866	Area #1 LEL	1
7 Days Ago Flow (SCF)	123274	Area #2 LEL	0

Date And Time			
Date	07-MAY-10	Time	7:17:39

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	5/10/10	**Time**	8:05
Technician	NS	Wind Speed/Direction	15 WNW / 25mph gusts
Ambient Temperature (°F)	48	Barometric Pressure (in Hg)	30.23
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)	20.2		Nitrogen Pressure (psi)	700
Carbon Dioxide (% Vol)	18.3		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	1.3		Blower Inlet Temp. (°F)	64
Balance Gas (% Vol)	60.7		Blower Discharge Temp. (°F)	104
Inlet Vacuum (in WC)	-10.041			

FLARE STATION		
Flare Inlet Pressure (in WC)	+0.429	
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)	-10.2	Top Flare Temp. (°F)	1366
Flow Rate (SCFM)	88	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1396
Blower Current (Amps)	5.3	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1365	Louver Position (% Closed)	100
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1389	Control Mode	~~Auto~~ Manual
Area LEL (%)	2		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0	Current Flow (SCFM)	89
Blower **301** Current **(Hours)**	15025	Today's Total Flow (SCF)	37964
Blower **302** Current **(Amps)**	5.3	Total Flow (SCF)	179794938
Blower **302** Current **(Hours)**	14338		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	125448	Resettable Total Flow (SCF)	68853869
2 Days Ago Flow (SCF)	122002	Reset Time	11:33:3
3 Days Ago Flow (SCF)	123395	Reset Date	11/21/08
4 Days Ago Flow (SCF)	121940		
5 Days Ago Flow (SCF)	122853	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	121620	Area #1 LEL	2
7 Days Ago Flow (SCF)	121936	Area #2 LEL	0

Date And Time			
Date	10-MAY-10	Time	8:08:54

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	5-11-10	**Time**	7:20
Technician	NS	Wind Speed/Direction	9N
Ambient Temperature (°F)	50	Barometric Pressure (in Hg)	30.47
Weather	Sunny	**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)	20.2		Nitrogen Pressure (psi)	700
Carbon Dioxide (% Vol)	17.9		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	1.1		Blower Inlet Temp. (°F)	66
Balance Gas (% Vol)	60.7		Blower Discharge Temp. (°F)	110
Inlet Vacuum (in WC)	-10.135			

FLARE STATION		
Flare Inlet Pressure (in WC)	+0.501	
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)	-10.0	Top Flare Temp. (°F)	1405
Flow Rate (SCFM)	87	Middle Flare Temp. (°F)	1534
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1496
Blower Current (Amps)	5.2	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1403	Louver Position (% Closed)	100
Flare Middle Temp. (°F)	1530	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1496	Control Mode	Auto
Area LEL (%)	1		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0	Current Flow (SCFM)	88
Blower **301** Current **(Hours)**	15075	Today's Total Flow (SCF)	34185
Blower **302** Current **(Amps)**	5.3	Total Flow (SCF)	1799/8003
Blower **302** Current **(Hours)**	14362		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	126864	Resettable Total Flow (SCF)	69233839
2 Days Ago Flow (SCF)	125448	Reset Time	11:33:3
3 Days Ago Flow (SCF)	122002	Reset Date	11/21/08
4 Days Ago Flow (SCF)	123395		
5 Days Ago Flow (SCF)	121940	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	122853	Area #1 LEL	1
7 Days Ago Flow (SCF)	121620	Area #2 LEL	0

Date And Time			
Date	11-MAY-10	Time	7:26:37

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	5/12/10	**Time**	7:15
Technician		Wind Speed/Direction	13 E
Ambient Temperature (°F)	46	Barometric Pressure (in Hg)	30.17
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)	20.6		Nitrogen Pressure (psi)	700
Carbon Dioxide (% Vol)	17.7		Blower Inlet Valve (% Open)	30%
Oxygen (% Vol)	1.1		Blower Inlet Temp. (°F)	66°
Balance Gas (% Vol)	60.3		Blower Discharge Temp. (°F)	102°
Inlet Vacuum (in WC)	-9.511			

FLARE STATION		
Flare Inlet Pressure (in WC)	+0.438	
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)	-9.6	Top Flare Temp. (°F)	1386
Flow Rate (SCFM)	86	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1469
Blower Current (Amps)	5.3	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1379	Louver Position (% Closed)	100
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1469	Control Mode	~~Auto~~ Manual
Area LEL (%)	2		

Blower Data		**Flow & Totalizer**	
Blower **301** Current (**Amps**)	0	Current Flow (SCFM)	88
Blower **301** Current (**Hours**)	15025	Today's Total Flow (SCF)	33528
Blower **302** Current (**Amps**)	5.3	Total Flow (SCF)	180044926
Blower **302** Current (**Hours**)	14385		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	127473	Resettable Total Flow (SCF)	69360742
2 Days Ago Flow (SCF)	126864	Reset Time	11:33:3
3 Days Ago Flow (SCF)	125448	Reset Date	11/21/08
4 Days Ago Flow (SCF)	122002		
5 Days Ago Flow (SCF)	123395	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	121940	Area #1 LEL	2
7 Days Ago Flow (SCF)	122853	Area #2 LEL	1

Date And Time			
Date	12-MAY-10	Time	7:17:56

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	5-13-10	**Time**	7:30
Technician	NS	Wind Speed/Direction	12 N
Ambient Temperature (°F)	52	Barometric Pressure (in Hg)	30.22
Weather	Sunny	**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)	20.4		Nitrogen Pressure (psi)	700
Carbon Dioxide (% Vol)	18.8		Blower Inlet Valve (% Open)	30%
Oxygen (% Vol)	0.6		Blower Inlet Temp. (°F)	67
Balance Gas (% Vol)	59.9		Blower Discharge Temp. (°F)	107
Inlet Vacuum (in WC)	-10.534			

FLARE STATION		
Flare Inlet Pressure (in WC)	+ 0.450	
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)	-10.1	Top Flare Temp. (°F)	1408
Flow Rate (SCFM)	87	Middle Flare Temp. (°F)	1515
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1497
Blower Current (Amps)	5.4	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1404	Louver Position (% Closed)	100
Flare Middle Temp. (°F)	1523	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1500	Control Mode	Auto
Area LEL (%)	2		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0	Current Flow (SCFM)	87
Blower **301** Current **(Hours)**	15075	Today's Total Flow (SCF)	35451
Blower **302** Current **(Amps)**	5.4	Total Flow (SCF)	180174591
Blower **302** Current **(Hours)**	14410		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	127739	Resettable Total Flow (SCF)	69490499
2 Days Ago Flow (SCF)	127473	Reset Time	11:33:3
3 Days Ago Flow (SCF)	126864	Reset Date	11/21/08
4 Days Ago Flow (SCF)	125448		
5 Days Ago Flow (SCF)	122004	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	123395	Area #1 LEL	2
7 Days Ago Flow (SCF)	121940	Area #2 LEL	0

Date And Time			
Date	13-MAY-10	Time	7:38:15

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	5/14/10	**Time**	7:50
Technician	NS	Wind Speed/Direction	10 SW
Ambient Temperature (°F)	56	Barometric Pressure (in Hg)	30.01
Weather	Overcast	**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)	20.2		Nitrogen Pressure (psi)	700
Carbon Dioxide (% Vol)	18.7		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.6		Blower Inlet Temp. (°F)	70
Balance Gas (% Vol)	60.4		Blower Discharge Temp. (°F)	114
Inlet Vacuum (in WC)	-9.088			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.442	
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)	-9.4	Top Flare Temp. (°F)	1445
Flow Rate (SCFM)	90	Middle Flare Temp. (°F)	1563
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1513
Blower Current (Amps)	5.3	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1445	Louver Position (% Closed)	99
Flare Middle Temp. (°F)	1561	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1513	Control Mode	Auto
Area LEL (%)	2		

Blower Data		**Flow & Totalizer**	
Blower **301** Current (**Amps**)	0	Current Flow (SCFM)	88
Blower **301** Current (**Hours**)	15075	Today's Total Flow (SCF)	36344
Blower **302** Current (**Amps**)	5.3	Total Flow (SCF)	180302215
Blower **302** Current (**Hours**)	14434		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	126736	Resettable Total Flow (SCF)	69618030
2 Days Ago Flow (SCF)	127739	Reset Time	11:33:13
3 Days Ago Flow (SCF)	127473	Reset Date	11/21/08
4 Days Ago Flow (SCF)	126864		
5 Days Ago Flow (SCF)	125448	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	122002	Area #1 LEL	2
7 Days Ago Flow (SCF)	123395	Area #2 LEL	0

Date And Time			
Date	14-MAY-10	Time	7:54:16

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	5/17/10	**Time**	7:37
Technician	WS	Wind Speed/Direction	4 NNW
Ambient Temperature (°F)	68	Barometric Pressure (in Hg)	30.12
Weather	Sunny	**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)	20.0		Nitrogen Pressure (psi)		700
Carbon Dioxide (% Vol)	18.5		Blower Inlet Valve (% Open)		30%
Oxygen (% Vol)	0.7		Blower Inlet Temp. (°F)		74°
Balance Gas (% Vol)	60.7		Blower Discharge Temp. (°F)		122°
Inlet Vacuum (in WC)	-9.452				

FLARE STATION		
Flare Inlet Pressure (in WC)	+0.445	
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)	9.7	Top Flare Temp. (°F)	1222
Flow Rate (SCFM)	89	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1443
Blower Current (Amps)	5.2	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1226	Louver Position (% Closed)	100
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1442	Control Mode	~~Auto~~ Manual
Area LEL (%)	1		

Blower Data		**Flow & Totalizer**	
Blower **301** Current (**Amps**)	0	Current Flow (SCFM)	86
Blower **301** Current (**Hours**)	15075	Today's Total Flow (SCF)	34364
Blower **302** Current (**Amps**)	5.2	Total Flow (SCF)	180670481
Blower **302** Current (**Hours**)	14506		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	123478	Resettable Total Flow (SCF)	69986292
2 Days Ago Flow (SCF)	122344	Reset Time	11:33:3
3 Days Ago Flow (SCF)	124509	Reset Date	11/2/08
4 Days Ago Flow (SCF)	126736		
5 Days Ago Flow (SCF)	127739	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	127473	Area #1 LEL	1
7 Days Ago Flow (SCF)	126864	Area #2 LEL	0

Date And Time			
Date	17-MAY-10	Time	7:38:29

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	5/18/10	**Time**	9:35
Technician	NS	Wind Speed/Direction	14 E
Ambient Temperature (°F)	52	Barometric Pressure (in Hg)	30.04
Weather	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)	20.4		Nitrogen Pressure (psi)	700
Carbon Dioxide (% Vol)	18.6		Blower Inlet Valve (% Open)	30%
Oxygen (% Vol)	0.7		Blower Inlet Temp. (°F)	72
Balance Gas (% Vol)	60.2		Blower Discharge Temp. (°F)	110
Inlet Vacuum (in WC)	-10.038			

FLARE STATION		
Flare Inlet Pressure (in WC)	+ 0.384	
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)	-9.5	Top Flare Temp. (°F)	1385
Flow Rate (SCFM)	83	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1415
Blower Current (Amps)	5.2	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1386	Louver Position (% Closed)	100
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1414	Control Mode	~~Auto~~ Man
Area LEL (%)	2		

Blower Data		**Flow & Totalizer**	
Blower **301** Current (**Amps**)	0	Current Flow (SCFM)	85
Blower **301** Current (**Hours**)	15875	Today's Total Flow (SCF)	44471
Blower **302** Current (**Amps**)	5.3	Total Flow (SCF)	180804145
Blower **302** Current (**Hours**)	14532		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	123557	Resettable Total Flow (SCF)	70119957
2 Days Ago Flow (SCF)	123478	Reset Time	11:33:3
3 Days Ago Flow (SCF)	124344	Reset Date	11/21/08
4 Days Ago Flow (SCF)	124509		
5 Days Ago Flow (SCF)	126736	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	127739	Area #1 LEL	2
7 Days Ago Flow (SCF)	127473	Area #2 LEL	1

Date And Time			
Date	18-MAY-10	Time	9:36:15

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	5-19-10	**Time**	7:40
Technician	NS	Wind Speed/Direction	12 N
Ambient Temperature (°F)	56	Barometric Pressure (in Hg)	29.75
Weather	Cloudy + Drizzle	**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)	20.5		Nitrogen Pressure (psi)	700
Carbon Dioxide (% Vol)	18.8		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.9		Blower Inlet Temp. (°F)	68
Balance Gas (% Vol)	59.6		Blower Discharge Temp. (°F)	110
Inlet Vacuum (in WC)	-9.946			

FLARE STATION		
Flare Inlet Pressure (in WC)	+ 0.450	
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)	10.7	Top Flare Temp. (°F)	1388
Flow Rate (SCFM)	85	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1451
Blower Current (Amps)	5.3	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1386	Louver Position (% Closed)	100
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1452	Control Mode	~~Auto~~ Man
Area LEL (%)	2		

Blower Data		**Flow & Totalizer**	
Blower **301** Current (**Amps**)	0	Current Flow (SCFM)	89
Blower **301** Current (**Hours**)	15075	Today's Total Flow (SCF)	34811
Blower **302** Current (**Amps**)	5.3	Total Flow (SCF)	180919104
Blower **302** Current (**Hours**)	14554		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	124536	Resettable Total Flow (SCF)	70234829
2 Days Ago Flow (SCF)	123557	Reset Time	11:33:3
3 Days Ago Flow (SCF)	123478	Reset Date	11/21/08
4 Days Ago Flow (SCF)	122344		
5 Days Ago Flow (SCF)	124509	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	126736	Area **#1** LEL	2
7 Days Ago Flow (SCF)	127739	Area **#2** LEL	1

Date And Time			
Date	19-MAY-10	Time	7:43:19

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	5/20/10	**Time**	7:44
Technician	NS	Wind Speed/Direction	10 SW
Ambient Temperature (°F)	64	Barometric Pressure (in Hg)	29.84
Weather	Sunny	**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)	20.3		Nitrogen Pressure (psi)	700
Carbon Dioxide (% Vol)	18.8		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.7		Blower Inlet Temp. (°F)	72
Balance Gas (% Vol)	60.1		Blower Discharge Temp. (°F)	121
Inlet Vacuum (in WC)	-9.325			

FLARE STATION		
Flare Inlet Pressure (in WC)	+0.483	
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)	-9.7	Top Flare Temp. (°F)	1295
Flow Rate (SCFM)	87	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1440
Blower Current (Amps)	5.2	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1297	Louver Position (% Closed)	100
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1441	Control Mode	Manual
Area LEL (%)	1		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0	Current Flow (SCFM)	86
Blower **301** Current **(Hours)**	15075	Today's Total Flow (SCF)	34828
Blower **302** Current **(Amps)**	5.2	Total Flow (SCF)	1810425 13
Blower **302** Current **(Hours)**	14578		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	123475	Resettable Total Flow (SCF)	70358238
2 Days Ago Flow (SCF)	124536	Reset Time	11:33:3
3 Days Ago Flow (SCF)	123557	Reset Date	11/21/08
4 Days Ago Flow (SCF)	123478		
5 Days Ago Flow (SCF)	122344	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	124509	Area #1 LEL	1
7 Days Ago Flow (SCF)	126736	Area #2 LEL	0

Date And Time			
Date	20-MAY-10	Time	7:44:10

System Runs in Manual when middle Thermocouple malfunctions

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	5/21/10	**Time**	7:12
Technician	NS	Wind Speed/Direction	8N
Ambient Temperature (°F)	75	Barometric Pressure (in Hg)	29.97
Weather	Sunny	**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)	20.3		Nitrogen Pressure (psi)	700
Carbon Dioxide (% Vol)	18.9		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	1.2		Blower Inlet Temp. (°F)	76
Balance Gas (% Vol)	59.6		Blower Discharge Temp. (°F)	125
Inlet Vacuum (in WC)	-9.541			

FLARE STATION		
Flare Inlet Pressure (in WC)	+0.390	
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)	-11.5	Top Flare Temp. (°F)	1294
Flow Rate (SCFM)	89	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1422
Blower Current (Amps)	5.2	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1294	Louver Position (% Closed)	100
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1420	Control Mode	Manual
Area LEL (%)	1		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0	Current Flow (SCFM)	86
Blower **301** Current **(Hours)**	15075	Today's Total Flow (SCF)	31880
Blower **302** Current **(Amps)**	5.2	Total Flow (SCF)	181161934
Blower **302** Current **(Hours)**	14601		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	122369	Resettable Total Flow (SCF)	70477659
2 Days Ago Flow (SCF)	123475	Reset Time	11:33:3
3 Days Ago Flow (SCF)	124536	Reset Date	11/21/08
4 Days Ago Flow (SCF)	123557		
5 Days Ago Flow (SCF)	123478	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	122344	Area #1 LEL	1
7 Days Ago Flow (SCF)	124509	Area #2 LEL	0

Date And Time			
Date	21-MAY-10	Time	7:14:39

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	5/24/10	**Time**	7:40
Technician	NS	Wind Speed/Direction	8 E/NE
Ambient Temperature (°F)	64	Barometric Pressure (in Hg)	30.15
Weather	Overcast/Drizzle	**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)	19.2		Nitrogen Pressure (psi)	709
Carbon Dioxide (% Vol)	17.6		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	1.4		Blower Inlet Temp. (°F)	76
Balance Gas (% Vol)	61.5		Blower Discharge Temp. (°F)	118
Inlet Vacuum (in WC)	-8.224			

FLARE STATION		
Flare Inlet Pressure (in WC)	+ 0.469	
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)	-9.6	Top Flare Temp. (°F)	1382
Flow Rate (SCFM)	83	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1457
Blower Current (Amps)	5.2	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1378	Louver Position (% Closed)	100
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1457	Control Mode	Manual
Area LEL (%)	2		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0	Current Flow (SCFM)	85
Blower **301** Current **(Hours)**	15075	Today's Total Flow (SCF)	34314
Blower **302** Current **(Amps)**	5.2	Total Flow (SCF)	181531874
Blower **302** Current **(Hours)**	14674		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	122445	Resettable Total Flow (SCF)	70847682
2 Days Ago Flow (SCF)	123957	Reset Time	11:33:3
3 Days Ago Flow (SCF)	122604	Reset Date	11/21/08
4 Days Ago Flow (SCF)	122369		
5 Days Ago Flow (SCF)	123475	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	124536	Area #1 LEL	2
7 Days Ago Flow (SCF)	123557	Area #2 LEL	1

Date And Time			
Date	24-MAY-10	Time	7:43:08

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	5/25/10	**Time**	7:40
Technician	NS	Wind Speed/Direction	calm
Ambient Temperature (°F)	68	Barometric Pressure (in Hg)	30.15
Weather	Sunny	**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)	20.2		Nitrogen Pressure (psi)	700
Carbon Dioxide (% Vol)	18.8		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.7		Blower Inlet Temp. (°F)	77
Balance Gas (% Vol)	60.2		Blower Discharge Temp. (°F)	127
Inlet Vacuum (in WC)	-9.300			

FLARE STATION		
Flare Inlet Pressure (in WC)	+ 0.482	
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)	9.7	Top Flare Temp. (°F)	1232
Flow Rate (SCFM)	82	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1412
Blower Current (Amps)	5.2	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1228	Louver Position (% Closed)	100
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1412	Control Mode	Manual
Area LEL (%)	1		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0	Current Flow (SCFM)	86
Blower **301** Current **(Hours)**	15025	Today's Total Flow (SCF)	34498
Blower **302** Current **(Amps)**	5.2	Total Flow (SCF)	1816550 69
Blower **302** Current **(Hours)**	14698		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	123011	Resettable Total Flow (SCF)	70970877
2 Days Ago Flow (SCF)	122445	Reset Time	11:33:3
3 Days Ago Flow (SCF)	123057	Reset Date	11/21/08
4 Days Ago Flow (SCF)	122004		
5 Days Ago Flow (SCF)	122369	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	123475	Area #1 LEL	1
7 Days Ago Flow (SCF)	124536	Area #2 LEL	0

Date And Time			
Date	25-MAY-10	Time	7:40:40

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	5/26/10	**Time**	8:00
Technician	NS	Wind Speed/Direction	SW
Ambient Temperature (°F)	70	Barometric Pressure (in Hg)	29.84
Weather	Sunny	**GEM I.D.**	GM 09087

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)	20.5		Nitrogen Pressure (psi)	700
Carbon Dioxide (% Vol)	18.9		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.4		Blower Inlet Temp. (°F)	80
Balance Gas (% Vol)	60.2		Blower Discharge Temp. (°F)	127
Inlet Vacuum (in WC)	-8.972			

FLARE STATION		
Flare Inlet Pressure (in WC)	+ 0.391	
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)	9.0	Top Flare Temp. (°F)	1310
Flow Rate (SCFM)	84	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1434
Blower Current (Amps)	5.1	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1313	Louver Position (% Closed)	100
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1436	Control Mode	Manual
Area LEL (%)	1		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0	Current Flow (SCFM)	84
Blower **301** Current **(Hours)**	15075	Today's Total Flow (SCF)	36234
Blower **302** Current **(Amps)**	5.1	Total Flow (SCF)	181780049
Blower **302** Current **(Hours)**	14722		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	123162	Resettable Total Flow (SCF)	71095774
2 Days Ago Flow (SCF)	123011	Reset Time	11:33:3
3 Days Ago Flow (SCF)	122445	Reset Date	11/21/08
4 Days Ago Flow (SCF)	123057		
5 Days Ago Flow (SCF)	122004	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	122369	Area #1 LEL	1
7 Days Ago Flow (SCF)	123475	Area #2 LEL	0

Date And Time			
Date	26-MAY-10	Time	8:03:45

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	5/27/10	**Time**	7:35
Technician	NS	Wind Speed/Direction	10 E/NE
Ambient Temperature (°F)	69	Barometric Pressure (in Hg)	29.72
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)	20.3		Nitrogen Pressure (psi)	200
Carbon Dioxide (% Vol)	18.2		Blower Inlet Valve (% Open)	30%
Oxygen (% Vol)	0.7		Blower Inlet Temp. (°F)	80
Balance Gas (% Vol)	60.4		Blower Discharge Temp. (°F)	120
Inlet Vacuum (in WC)	-9.671			

FLARE STATION		
Flare Inlet Pressure (in WC)	+ 0.402	
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)	-9.0	Top Flare Temp. (°F)	1376
Flow Rate (SCFM)	83	Middle Flare Temp. (°F)	1485
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1451
Blower Current (Amps)	5.1	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1373	Louver Position (% Closed)	100
Flare Middle Temp. (°F)	1493	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1449	Control Mode	Manual
Area LEL (%)	1		

Blower Data		**Flow & Totalizer**	
Blower **301** Current (**Amps**)	0	Current Flow (SCFM)	84
Blower **301** Current (**Hours**)	15075	Today's Total Flow (SCF)	31588
Blower **302** Current (**Amps**)	5.1	Total Flow (SCF)	181896171
Blower **302** Current (**Hours**)	14746		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	120767	Resettable Total Flow (SCF)	71211896
2 Days Ago Flow (SCF)	123162	Reset Time	11:33:3
3 Days Ago Flow (SCF)	123011	Reset Date	11/21/08
4 Days Ago Flow (SCF)	122445		
5 Days Ago Flow (SCF)	123057	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	122004	Area #1 LEL	1
7 Days Ago Flow (SCF)	122369	Area #2 LEL	1

Date And Time			
Date	27-MAY-10	Time	7:35:33

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	5/28/10	**Time**	8:05
Technician	NS	Wind Speed/Direction	7 SE
Ambient Temperature (°F)	62	Barometric Pressure (in Hg)	29.88
Weather	Sunny	**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)	20.3	Nitrogen Pressure (psi)	700
Carbon Dioxide (% Vol)	19.2	Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.1	Blower Inlet Temp. (°F)	78
Balance Gas (% Vol)	60.3	Blower Discharge Temp. (°F)	122
Inlet Vacuum (in WC)	-9.333		

FLARE STATION		
Flare Inlet Pressure (in WC)	+ 0.435	
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)	- 9.3	Top Flare Temp. (°F)	1361
Flow Rate (SCFM)	85	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1438
Blower Current (Amps)	5.1	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1360	Louver Position (% Closed)	100
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1439	Control Mode	Manual
Area LEL (%)	2		

Blower Data		**Flow & Totalizer**	
Blower **301** Current (**Amps**)	0	Current Flow (SCFM)	88
Blower **301** Current (**Hours**)	15075	Today's Total Flow (SCF)	36476
Blower **302** Current (**Amps**)	5.1	Total Flow (SCF)	1820206 56
Blower **302** Current (**Hours**)	14770		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	119680	Resettable Total Flow (SCF)	71336466
2 Days Ago Flow (SCF)	120767	Reset Time	11:33:3
3 Days Ago Flow (SCF)	123162	Reset Date	11/21/08
4 Days Ago Flow (SCF)	123011		
5 Days Ago Flow (SCF)	122445	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	123057	Area #**1** LEL	2
7 Days Ago Flow (SCF)	122004	Area #**2** LEL	1

Date And Time			
Date	28-MAY-10	Time	8:10:20

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

05/03/2010 1:44 PM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1019.5 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

05/04/2010 7:55 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1020.7 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

05/05/2010 7:22 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1022.4 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

05/06/2010 7:46 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1023.7 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

05/07/2010 7:19 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1025.3 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

05/10/2010 8:08 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1028.5 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

05/11/2010 7:26 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1029.2 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

05/12/2010 7:18 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1030.6 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

05/13/2010 7:41 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1030.7 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

05/14/2010 7:55 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1031.9 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

05/17/2010 7:43 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1033.5 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

05/18/2010 9:39 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1033.6 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

05/19/2010 7:44 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1034.8 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

05/20/2010 7:52 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1035.5 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

05/21/2010 7:15 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1035.6 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

05/24/2010 7:43 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1036.7 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

05/25/2010 7:41 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1037.0 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

05/26/2010 8:03 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1037.4 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

05/27/2010 7:26 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1037.5 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

05/28/2010 8:11 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1038.3 GAL

PENNSYLVANIA AVENUE LANDFILL							Month: **June**					Year: **2010**			**LFG-1**	
		WEATHER					**FLARE TEMPERATURE**							**FLARE STATION**		
DATE	TIME	Weather	Ambient Temp (ºF)	Wind Speed	Wind 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	8:00	Sunny	78	10	SSW	29.74	1394	1522	1475	Bottom	100	1500	Auto	0.38	0.1	0
2	7:40	Sunny	77	4	Variable	29.78	1332	1486	1470	Bottom	100	1500	Auto	0.40	0.1	0
3	7:15	Overcast	65	9	N	29.66	1389	1500	1485	Bottom	100	1500	Auto	0.32	0.1	0
4	8:30	Sunny	82	7	Variable	29.73	1358	0	1402	Bottom	100	1500	Manual	0.43	0.1	0
5																
6																
7	7:15	Sunny	66	15	NW	29.7	1323	1451	1401	Bottom	100	1500	Manual	0.40	0.1	0
8	7:40	Sunny	67	9	WNW	29.98	1329	0	1383	Bottom	100	1500	Manual	0.37	0.1	0
9	7:50	Partly cloudy	67	7	SE	30.06	1377	1481	1422	Bottom	100	1500	Manual	0.37	0.1	0
10	8:15	Partly cloudy	64	6	SW	29.76	1276	0	1426	Bottom	100	1500	Manual	0.47	0.1	0
11	7:40	Sunny	65	11	S	30.02	1370	1479	1457	Bottom	100	1500	Manual	0.38	0.1	0
12																
13																
14	8:00	Overcast	69	6	SSE	29.77	1206	0	1414	Bottom	100	1500	Manual	0.41	0.1	0
15	7:20	Sunny	67	15	NE	29.93	1355	0	1433	Bottom	100	1500	Manual	0.39	0.1	0
16	8:05	Mostly Cloudy	66	6	SE	30.07	1360	1459	1424	Bottom	100	1500	Manual	0.35	0.1	0
17	7:20	Sunny	72	10	W	29.71	1353	0	1388	Bottom	100	1500	Manual	0.35	0.1	0
18	9:25	Sunny	66	12	SSW	30.01	1360	0	1413	Bottom	100	1500	Manual	0.59	0.1	0
19																
20																
21	6:55	Partly cloudy	75	7	N	29.89	1364	1461	1413	Bottom	100	1500	Manual	0.35	0.1	0
22	8:05	Partly cloudy	72	6	N	30.12	1352	1459	1449	Bottom	100	1500	Manual	0.31	0.1	0
23	9:00	Sunny	79	7	W	29.95	1329	0	1381	Bottom	100	1500	Manual	0.39	0.1	0
24	7:50	Sunny	79	9	WSW	29.83	1347	1468	1477	Bottom	100	1500	Auto	0.42	0.1	0
25	7:35	Sunny	74	13	NNW	29.96	1316	0	1438	Bottom	100	1500	Manual	0.30	0.1	0
26																
27																
28	8:10	Sunny	81	8	SW	29.61	1336	1464	1466	Bottom	100	1500	Manual	0.35	0.1	0
29	8:30	Partly cloudy	80	8	WSW	29.73	1328	0	1386	Bottom	100	1500	Manual	0.32	0.1	0
30	7:35	Sunny	65	13	NNW	30.09	1312	0	1303	Bottom	100	1500	Manual	0.42	0.1	0

PENNSYLVANIA AVENUE LANDFILL										Month: **June**		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	8:00	302	21.7	18.9	0.4	59.0	-9.4	10	0	700	30	83	126	0	15075	5.0	14866
2	7:40	302	21.2	18.9	0.5	59.4	-9.4	10	0	700	30	84	130	0	15075	5.1	14890
3	7:15	302	21.3	19.3	0.5	58.9	-8.9	10	0	700	30	80	122	0	15075	5.0	14914
4	8:30	302	21.4	18.0	0.5	60.1	-9.8	10	0	700	30	86	131	0	15075	5.0	14939
5																	
6																	
7	7:15	302	21.0	19.0	0.6	59.4	-9.7	10	0	700	30	78	120	0	15075	5.0	15010
8	7:40	302	20.8	19.0	0.5	59.7	-9.1	10	0	700	30	80	121	0	15075	5.1	15034
9	7:50	302	20.9	19.1	0.7	59.3	-9.6	10	0	700	30	80	125	0	15075	5.1	15058
10	8:15	302	20.4	19.1	0.7	59.8	-8.9	10	0	700	30	78	124	0	15075	5.1	15083
11	7:40	302	20.2	19.3	0.7	59.8	-9.6	10	0	700	30	80	120	0	15075	5.1	15106
12																	
13																	
14	8:00	302	20.4	19.8	0.5	59.3	-9.0	10	0	700	30	82	130	0	15075	5.0	15178
15	7:20	302	20.4	20.0	0.2	59.4	-9.2	10	0	700	30	80	120	0	15075	5.0	15202
16	8:05	302	19.8	19.5	0.7	60.0	-9.1	10	0	700	30	82	126	0	15075	5.1	15226
17	7:20	302	20.9	20.0	0.2	58.9	-8.9	10	0	700	30	82	127	0	15075	5.0	15250
18	9:25	302	20.0	19.3	0.4	60.3	-9.1	10	0	700	30	83	130	0	15075	5.1	15276
19																	
20																	
21	6:55	302	20.2	19.7	0.5	59.6	-9.0	10	0	700	30	87	130	0	15075	5.0	15345
22	8:05	302	20.2	19.4	0.6	59.8	-8.9	10	0	700	30	88	132	0	15075	5.0	15370
23	9:00	302	20.4	19.3	0.7	59.6	-9.3	10	0	700	30	89	132	0	15075	5.0	15395
24	7:50	302	20.6	19.4	0.7	59.3	-8.3	10	0	700	30	90	134	0	15075	4.9	15418
25	7:35	302	20.0	19.7	0.3	60.0	-8.9	10	0	700	30	88	132	0	15075	5.0	15442
26																	
27																	
28	8:10	302	20.9	19.9	0.5	58.7	-8.5	10	0	700	30	92	134	0	15075	4.9	15515
29	8:30	302	20.3	19.8	0.0	59.9	-8.7	10	0	700	30	92	134	0	15075	4.9	15539
30	7:35	302	20.0	18.2	0.5	61.3	-9.0	10	0	700	30	83	124	0	15075	5.0	15562

PENNSYLVANIA AVENUE LANDFILL		Month: **June**									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	8:00	-9.3	81	0	5	1390	1523	1479	1	1	1	83	35,321	182,502,110	119,945
2	7:40	-8.8	85	0	5.1	1337	0	1472	1	1	0	83	33,801	182,619,937	119,347
3	7:15	-8.2	83	0	5	1389	1500	1484	2	2	1	80	31,564	182,736,959	119,259
4	8:30	-9.2	81	0	5.1	1357	0	1401	1	1	0	82	37,180	182,861,579	119,004
5															117,910
6															117,851
7	7:15	-9.8	83	0	5.1	1316	1457	1396	2	2	0	83	31,421	183,208,394	116,813
8	7:40	-8.7	81	0	5.1	1327	1430	1382	1	1	2	83	33,851	183,330,291	119,467
9	7:50	-9.1	84	0	5.1	1374	1485	1421	2	1	1	85	35,363	183,452,587	120,784
10	8:15	-15.6	80	0	5.1	1290	0	1423	2	2	1	83	37,287	183,576,595	122,084
11	7:40	-9.4	86	0	5.1	1370	1470	1455	2	2	1	85	33,567	183,693,416	120,455
12															121,005
13															121,214
14	8:00	-9.0	87	0	5	1206	0	1414	2	2	1	85	35,609	184,057,327	119,736
15	7:20	-8.9	85	0	5	1355	0	1432	2	2	1	85	31,876	184,173,140	119,546
16	8:05	-9.4	83	0	5.1	1364	1455	1426	2	2	1	82	35,868	184,296,754	119,539
17	7:20	-9.2	82	0	5	1351	0	1388	2	2	1	82	33,239	184,414,209	120,167
18	9:25	-9.3	84	0	5.1	1360	0	1414	1	1	0	82	42,163	184,542,001	118,700
19															119,169
20															119,377
21	6:55	-8.8	82	0	5	1364	1461	1413	1	1	1	84	29,028	184,885,050	117,806
22	8:05	-8.9	85	0	5	1353	1453	1450	1	1	1	81	35,424	185,008,831	117,385
23	9:00	-8.8	79	0	5	1326	0	1376	1	1	1	82	40,217	185,132,030	118,406
24	7:50	-8.2	83	0	4.9	1345	1469	1477	1	1	1	84	33,794	185,243,466	117,859
25	7:35	-8.2	81	0	5	1323	0	1437	2	2	1	81	32,599	185,358,752	116,481
26															117,310
27															117,488
28	8:10	-8.4	79	0	4.9	1339	1455	1470	1	1	1	82	34,845	185,712,544	116,668
29	8:30	-8.2	77	0	4.9	1324	0	1386	1	1	1	82	35,999	185,828,964	115,266
30	7:35	-8.6	83	0	5	1314	0	1304	2	2	1	83	33,200	185,941,809	115,724

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

Date		Landfill Gas System			Landfill - Cover & Stormwater Systems, Roads, etc.
		Hours On Line	Flare	LFG Collection - Extraction Wells	
Tuesday	1-Jun	24	There was no flare down-time during the month of June 2010.	All 46 landfill gas extraction wells were monitored and inspected.	
Wednesday	2-Jun	24			6/2 Mowed area around groundwater monitoring wells.
Thursday	3-Jun	24	**3,441,820 SCF of landfill gas was processed in June 2010**		6/3 Mowed area along paved road.
Friday	4-Jun	24			6/4 Mowing and landscaping swales.
Weekend	5-Jun	24	The supplemental gas valve remained closed throughout this month, there was no natural gas used.		**6/7 Sampled the beach GWMWs HP-603, HP-103-D and HP-104-A**
	6-Jun	24			
Monday	7-Jun	24			**6/8 Sampled HP-101-U, S and D, MS, MSD and BD**
Tuesday	8-Jun	24			**6/9 Sampled HP-318, HP-407-U, S and D and FB**
Wednesday	9-Jun	24	**DP-1** The middle thermocouple is not operational. Currently the control has been switched to the bottom thermocouple.		6/9 Wetlands reconstruction contractor damaged the fire hydrant by the flare.
Thursday	10-Jun	24			
Friday	11-Jun	24			6/11 Continued mowing swales and access paths to the LFG extraction wells.
Weekend	12-Jun	24			
	13-Jun	24			6/14 Took the perimeter soil gas readings.
Monday	14-Jun	24			6/15 Mowed area around GL pump stations and continued mowing swales
Tuesday	15-Jun	24			
Wednesday	16-Jun	24			6/16 Landscaped around plant and trailers. Continued mowing swales.
Thursday	17-Jun	24			
Friday	18-Jun	24			6/17 Continued mowing swales and access paths to the LFG extraction wells.
Weekend	19-Jun	24			
	20-Jun	24			
Monday	21-Jun	24			
Tuesday	22-Jun	24			
Wednesday	23-Jun	24			
Thursday	24-Jun	24			6/25 Continued weed-wacking and mowing swales and culverts.
Friday	25-Jun	24			
Weekend	26-Jun	24			
	27-Jun	24			
Monday	28-Jun	24			6/29 Continued weed-wacking and mowing swales and culverts.
Tuesday	29-Jun	24			
Wednesday	30-Jun	24			6/30 Mowing swales

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

Date	6/1/10	**Time**	8:00
Technician	NS	Wind Speed/Direction	10 SSW
Ambient Temperature (°F)	78	Barometric Pressure (in Hg)	29.74
Weather	Sunny	**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)	21.7		Nitrogen Pressure (psi)	700
Carbon Dioxide (% Vol)	18.9		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.4		Blower Inlet Temp. (°F)	83
Balance Gas (% Vol)	58.9		Blower Discharge Temp. (°F)	126
Inlet Vacuum (in WC)	-9.445			

FLARE STATION		
Flare Inlet Pressure (in WC)	9.383	
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)	-9.3	Top Flare Temp. (°F)	1394
Flow Rate (SCFM)	81	Middle Flare Temp. (°F)	1522
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1475
Blower Current (Amps)	5.0	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1390	Louver Position (% Closed)	100
Flare Middle Temp. (°F)	1523	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1479	Control Mode	Auto
Area LEL (%)	1		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0	Current Flow (SCFM)	83
Blower **301** Current **(Hours)**	15075	Today's Total Flow (SCF)	35321
Blower **302** Current **(Amps)**	5.0	Total Flow (SCF)	182502110
Blower **302** Current **(Hours)**	14866		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	119945	Resettable Total Flow (SCF)	71817916
2 Days Ago Flow (SCF)	119378	Reset Time	11:33:3
3 Days Ago Flow (SCF)	121431	Reset Date	11/21/08
4 Days Ago Flow (SCF)	121855		
5 Days Ago Flow (SCF)	119680	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	120767	Area #1 LEL	1
7 Days Ago Flow (SCF)	123162	Area #2 LEL	1

Date And Time			
Date	01-JUN-10	Time	8:01:31

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	6/2/10	**Time**	7:40
Technician	NS	Wind Speed/Direction	4 Var.
Ambient Temperature (°F)	77	Barometric Pressure (in Hg)	29.78
Weather	Sunny	**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)	21.2		Nitrogen Pressure (psi)	700
Carbon Dioxide (% Vol)	18.9		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.5		Blower Inlet Temp. (°F)	84
Balance Gas (% Vol)	59.1		Blower Discharge Temp. (°F)	130
Inlet Vacuum (in WC)	-9.354			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.397	
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)	8.8	Top Flare Temp. (°F)	1332
Flow Rate (SCFM)	85	Middle Flare Temp. (°F)	1486
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1470
Blower Current (Amps)	5.1	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1337	Louver Position (% Closed)	100
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1472	Control Mode	Manual
Area LEL (%)	1		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0	Current Flow (SCFM)	83
Blower **301** Current **(Hours)**	15075	Today's Total Flow (SCF)	33801
Blower **302** Current **(Amps)**	5.1	Total Flow (SCF)	182619932
Blower **302** Current **(Hours)**	14890		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	119347	Resettable Total Flow (SCF)	71935742
2 Days Ago Flow (SCF)	119945	Reset Time	11:33:3
3 Days Ago Flow (SCF)	119378	Reset Date	11/21/08
4 Days Ago Flow (SCF)	121431		
5 Days Ago Flow (SCF)	121855	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	119680	Area #1 LEL	1
7 Days Ago Flow (SCF)	120767	Area #2 LEL	0

Date And Time			
Date	02-JUN-10	Time	7:45:31

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	6/3/10	**Time**	7:15
Technician	NS	Wind Speed/Direction	9 N
Ambient Temperature (°F)	65	Barometric Pressure (in Hg)	29.66
Weather	Fog/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)	700
Carbon Dioxide (% Vol)	19.3		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.5		Blower Inlet Temp. (°F)	80
Balance Gas (% Vol)	58.7		Blower Discharge Temp. (°F)	122
Inlet Vacuum (in WC)	-8.881			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.319	
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)	-8.2	Top Flare Temp. (°F)	1389
Flow Rate (SCFM)	83	Middle Flare Temp. (°F)	1500
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1485
Blower Current (Amps)	5.0	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1389	Louver Position (% Closed)	100
Flare Middle Temp. (°F)	1500	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1484	Control Mode	Auto
Area LEL (%)	2		

Blower Data		**Flow & Totalizer**	
Blower **301** Current (**Amps**)	0	Current Flow (SCFM)	80
Blower **301** Current (**Hours**)	15075	Today's Total Flow (SCF)	31564
Blower **302** Current (**Amps**)	5.0	Total Flow (SCF)	182236959
Blower **302** Current (**Hours**)	14914		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	119259	Resettable Total Flow (SCF)	72052768
2 Days Ago Flow (SCF)	119347	Reset Time	11:33:3
3 Days Ago Flow (SCF)	119945	Reset Date	11/21/08
4 Days Ago Flow (SCF)	119378		
5 Days Ago Flow (SCF)	121431	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	121855	Area #1 LEL	2
7 Days Ago Flow (SCF)	119680	Area #2 LEL	1

Date And Time			
Date	03-JUN-10	Time	7:19:22

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	6/4/10	**Time**	8:30
Technician	NS	Wind Speed/Direction	7 Var
Ambient Temperature (°F)	82	Barometric Pressure (in Hg)	29.73
Weather	Sunny	**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)	21.4		Nitrogen Pressure (psi)	700
Carbon Dioxide (% Vol)	18.9		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.5		Blower Inlet Temp. (°F)	86
Balance Gas (% Vol)	60.0		Blower Discharge Temp. (°F)	131
Inlet Vacuum (in WC)	-9.751			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.427	
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)	-9.2	Top Flare Temp. (°F)	1358
Flow Rate (SCFM)	81	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1402
Blower Current (Amps)	5.1	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1357	Louver Position (% Closed)	100
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1401	Control Mode	Manual
Area LEL (%)	1		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0	Current Flow (SCFM)	82
Blower **301** Current **(Hours)**	15075	Today's Total Flow (SCF)	3780
Blower **302** Current **(Amps)**	5.0	Total Flow (SCF)	182861579
Blower **302** Current **(Hours)**	14939		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	119004	Resettable Total Flow (SCF)	7217738
2 Days Ago Flow (SCF)	119259	Reset Time	11:33:3
3 Days Ago Flow (SCF)	119347	Reset Date	11/21/08
4 Days Ago Flow (SCF)	119945		
5 Days Ago Flow (SCF)	119378	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	121431	Area #1 LEL	1
7 Days Ago Flow (SCF)	121855	Area #2 LEL	0

Date And Time			
Date	04-JUN-10	Time	8:33:14

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	6/7/10	**Time**	7:15
Technician	NS	Wind Speed/Direction	15 NW
Ambient Temperature (°F)	66	Barometric Pressure (in Hg)	29.70
Weather	Sunny	**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)	21.0		Nitrogen Pressure (psi)	700
Carbon Dioxide (% Vol)	19.0		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.6		Blower Inlet Temp. (°F)	78
Balance Gas (% Vol)	59.4		Blower Discharge Temp. (°F)	120
Inlet Vacuum (in WC)	-9.670			

FLARE STATION		
Flare Inlet Pressure (in WC)	+0.396	
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)	9.8	Top Flare Temp. (°F)	1323
Flow Rate (SCFM)	83	Middle Flare Temp. (°F)	1451
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1401
Blower Current (Amps)	5.1	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1316	Louver Position (% Closed)	100
Flare Middle Temp. (°F)	1457	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1396	Control Mode	Manual
Area LEL (%)	2		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0	Current Flow (SCFM)	83
Blower **301** Current **(Hours)**	15025	Today's Total Flow (SCF)	31421
Blower **302** Current **(Amps)**	5.0	Total Flow (SCF)	183208394
Blower **302** Current **(Hours)**	15010		*

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	116813	Resettable Total Flow (SCF)	72524203
2 Days Ago Flow (SCF)	117851	Reset Time	11:33:3
3 Days Ago Flow (SCF)	117910	Reset Date	11/21/08
4 Days Ago Flow (SCF)	119004		
5 Days Ago Flow (SCF)	119259	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	119347	Area #1 LEL	2
7 Days Ago Flow (SCF)	119945	Area #2 LEL	0

Date And Time			
Date	07-JUN-10	Time	7:16:31

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	6/8/10	**Time**	7:40
Technician	NS	Wind Speed/Direction	9 WNW
Ambient Temperature (°F)	67	Barometric Pressure (in Hg)	30.00
Weather	Sunny	**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)	20.8		Nitrogen Pressure (psi)	700
Carbon Dioxide (% Vol)	19.0		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	9.5		Blower Inlet Temp. (°F)	90
Balance Gas (% Vol)	59.5		Blower Discharge Temp. (°F)	121
Inlet Vacuum (in WC)	-9.084			

FLARE STATION		
Flare Inlet Pressure (in WC)	+ 0.371	
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)	-8.7	Top Flare Temp. (°F)	1329
Flow Rate (SCFM)	81	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1383
Blower Current (Amps)	5.1	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1327	Louver Position (% Closed)	100
Flare Middle Temp. (°F)	1430	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1382	Control Mode	Manual
Area LEL (%)	1		

Blower Data		**Flow & Totalizer**	
Blower **301** Current (**Amps**)	0	Current Flow (SCFM)	83
Blower **301** Current (**Hours**)	15075	Today's Total Flow (SCF)	33851
Blower **302** Current (**Amps**)	5.1	Total Flow (SCF)	183330291
Blower **302** Current (**Hours**)	15034		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	119467	Resettable Total Flow (SCF)	72646016
2 Days Ago Flow (SCF)	116813	Reset Time	11:33:3
3 Days Ago Flow (SCF)	117851	Reset Date	11/21/08
4 Days Ago Flow (SCF)	117910		
5 Days Ago Flow (SCF)	119004	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	119259	Area #1 LEL	1
7 Days Ago Flow (SCF)	119347	Area #2 LEL	0

Date And Time			
Date	08-JUN-10	Time	7:43:26

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	6/9/10	**Time**	7:50
Technician	NS	Wind Speed/Direction	7 SE
Ambient Temperature (°F)	67	Barometric Pressure (in Hg)	30.06
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)	20.9		Nitrogen Pressure (psi)	700
Carbon Dioxide (% Vol)	19.1		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.7		Blower Inlet Temp. (°F)	80
Balance Gas (% Vol)	59.2		Blower Discharge Temp. (°F)	125
Inlet Vacuum (in WC)	-9.562			

FLARE STATION		
Flare Inlet Pressure (in WC)	+ 0.371	
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)	-9.1	Top Flare Temp. (°F)	1377
Flow Rate (SCFM)	84	Middle Flare Temp. (°F)	1481
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1422
Blower Current (Amps)	5.1	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1374	Louver Position (% Closed)	100
Flare Middle Temp. (°F)	1485	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1481	Control Mode	Manual
Area LEL (%)	2		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0	Current Flow (SCFM)	85
Blower **301** Current **(Hours)**	15075	Today's Total Flow (SCF)	35363
Blower **302** Current **(Amps)**	5.1	Total Flow (SCF)	183452587
Blower **302** Current **(Hours)**	15058		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	120784	Resettable Total Flow (SCF)	72768398
2 Days Ago Flow (SCF)	119467	Reset Time	11:33:3
3 Days Ago Flow (SCF)	116813	Reset Date	11/21/08
4 Days Ago Flow (SCF)	117851		
5 Days Ago Flow (SCF)	117910	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	119004	Area #1 LEL	1
7 Days Ago Flow (SCF)	119259	Area #2 LEL	1

Date And Time			
Date	09-JUN-10	Time	6:55:02

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	6/10/10	**Time**	8:15
Technician	NS	Wind Speed/Direction	6 SW
Ambient Temperature (°F)	64	Barometric Pressure (in Hg)	29.76
Weather	~~[illegible]~~ 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)	20.4		Nitrogen Pressure (psi)	700
Carbon Dioxide (% Vol)	19.1		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.7		Blower Inlet Temp. (°F)	78
Balance Gas (% Vol)	59.7		Blower Discharge Temp. (°F)	124
Inlet Vacuum (in WC)	-8.912			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.473	
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)	15.6	Top Flare Temp. (°F)	1276
Flow Rate (SCFM)	80	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1426
Blower Current (Amps)	5.1	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1290	Louver Position (% Closed)	100
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1423	Control Mode	Manual
Area LEL (%)	2		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0	Current Flow (SCFM)	83
Blower **301** Current **(Hours)**	15075	Today's Total Flow (SCF)	37287
Blower **302** Current **(Amps)**	5.1	Total Flow (SCF)	1835765955
Blower **302** Current **(Hours)**	15083		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	122084	Resettable Total Flow (SCF)	72892403
2 Days Ago Flow (SCF)	120784	Reset Time	11:33:3
3 Days Ago Flow (SCF)	119467	Reset Date	11/21/08
4 Days Ago Flow (SCF)	116813		
5 Days Ago Flow (SCF)	117851	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	117910	Area #1 LEL	2
7 Days Ago Flow (SCF)	119004	Area #2 LEL	1

Date And Time			
Date	10-Jun-10	Time	8:17:31

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	6/11/10	**Time**	7:40
Technician	NS	Wind Speed/Direction	19 S
Ambient Temperature (°F)	65	Barometric Pressure (in Hg)	30.02
Weather	Sunny	**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)	20.2		Nitrogen Pressure (psi)	700
Carbon Dioxide (% Vol)	19.3		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.7		Blower Inlet Temp. (°F)	80
Balance Gas (% Vol)	59.6		Blower Discharge Temp. (°F)	120
Inlet Vacuum (in WC)	-9.601			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.384	
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)	-9.4	Top Flare Temp. (°F)	1370
Flow Rate (SCFM)	86	Middle Flare Temp. (°F)	1479
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1457
Blower Current (Amps)	5.1	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1370	Louver Position (% Closed)	100
Flare Middle Temp. (°F)	1470	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1455	Control Mode	Manual
Area LEL (%)	2		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0	Current Flow (SCFM)	85
Blower **301** Current **(Hours)**	15075	Today's Total Flow (SCF)	33567
Blower **302** Current **(Amps)**	5.1	Total Flow (SCF)	183693416
Blower **302** Current **(Hours)**	15106		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	120455	Resettable Total Flow (SCF)	73009141
2 Days Ago Flow (SCF)	122084	Reset Time	11:33:3
3 Days Ago Flow (SCF)	120784	Reset Date	11/21/08
4 Days Ago Flow (SCF)	119463		
5 Days Ago Flow (SCF)	116813	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	117851	Area #1 LEL	2
7 Days Ago Flow (SCF)	117910	Area #2 LEL	1

Date And Time			
Date	11-JUN-10	Time	7:42:12

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	6/14/10	**Time**	8:00
Technician		Wind Speed/Direction	6 SSE
Ambient Temperature (°F)	69	Barometric Pressure (in Hg)	29.77
Weather	Overcast	**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)	20.4		Nitrogen Pressure (psi)	700
Carbon Dioxide (% Vol)	19.8		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.5		Blower Inlet Temp. (°F)	82
Balance Gas (% Vol)	59.3		Blower Discharge Temp. (°F)	130
Inlet Vacuum (in WC)	-9.001			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.413	
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)	9.0	Top Flare Temp. (°F)	1206
Flow Rate (SCFM)	87	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1414
Blower Current (Amps)	5.0	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1206	Louver Position (% Closed)	100
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1414	Control Mode	Manual
Area LEL (%)	2		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0	Current Flow (SCFM)	85
Blower **301** Current **(Hours)**	15075	Today's Total Flow (SCF)	35609
Blower **302** Current **(Amps)**	5.0	Total Flow (SCF)	184957327
Blower **302** Current **(Hours)**	15178		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	119736	Resettable Total Flow (SCF)	23373135
2 Days Ago Flow (SCF)	121214	Reset Time	11:33:5
3 Days Ago Flow (SCF)	121005	Reset Date	11/21/08
4 Days Ago Flow (SCF)	120455		
5 Days Ago Flow (SCF)	122084	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	120784	Area #1 LEL	2
7 Days Ago Flow (SCF)	119467	Area #2 LEL	1

Date And Time			
Date	14-JUN-10	Time	8:05:29

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	6/15/10	**Time**	7:20
Technician	NS	Wind Speed/Direction	15 NE
Ambient Temperature (°F)	67	Barometric Pressure (in Hg)	29.93
Weather	Sunny	**GEM I.D.**	GM090857

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)	20.4		Nitrogen Pressure (psi)	200
Carbon Dioxide (% Vol)	20.0		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.2		Blower Inlet Temp. (°F)	80
Balance Gas (% Vol)	59.4		Blower Discharge Temp. (°F)	120
Inlet Vacuum (in WC)	-9.200			

FLARE STATION

Flare Inlet Pressure (in WC)	0.385	
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)	-8.9	Top Flare Temp. (°F)	1355
Flow Rate (SCFM)	85	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1433
Blower Current (Amps)	5.0	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1355	Louver Position (% Closed)	100
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1432	Control Mode	Manual
Area LEL (%)	2		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0	Current Flow (SCFM)	85
Blower **301** Current **(Hours)**	15075	Today's Total Flow (SCF)	31876
Blower **302** Current **(Amps)**	5.0	Total Flow (SCF)	184173140
Blower **302** Current **(Hours)**	15202		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	119546	Resettable Total Flow (SCF)	73488850
2 Days Ago Flow (SCF)	119736	Reset Time	11:33:3
3 Days Ago Flow (SCF)	121214	Reset Date	11/21/08
4 Days Ago Flow (SCF)	121005		
5 Days Ago Flow (SCF)	120455	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	122084	Area #1 LEL	2
7 Days Ago Flow (SCF)	120784	Area #2 LEL	1

Date And Time			
Date	15-JUN-10	Time	7:24:13

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	6/16/10	**Time**	8:05
Technician	NS	Wind Speed/Direction	6 SE
Ambient Temperature (°F)	66	Barometric Pressure (in Hg)	30.07
Weather	Mostly 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)	19.8		Nitrogen Pressure (psi)		700
Carbon Dioxide (% Vol)	19.5		Blower Inlet Valve (% Open)		30
Oxygen (% Vol)	0.7		Blower Inlet Temp. (°F)		82
Balance Gas (% Vol)	59.9		Blower Discharge Temp. (°F)		126
Inlet Vacuum (in WC)	-9.055				

FLARE STATION		
Flare Inlet Pressure (in WC)	0.350	
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)	-9.4	Top Flare Temp. (°F)	1360
Flow Rate (SCFM)	83	Middle Flare Temp. (°F)	1459
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1424
Blower Current (Amps)	5.1	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1364	Louver Position (% Closed)	100
Flare Middle Temp. (°F)	1455	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1426	Control Mode	Manual
Area LEL (%)	2		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0	Current Flow (SCFM)	82
Blower **301** Current **(Hours)**	15075	Today's Total Flow (SCF)	35868
Blower **302** Current **(Amps)**	5.1	Total Flow (SCF)	184296754
Blower **302** Current **(Hours)**	15226		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	119539	Resettable Total Flow (SCF)	73612479
2 Days Ago Flow (SCF)	119546	Reset Time	11:33:3
3 Days Ago Flow (SCF)	119736	Reset Date	11/21/08
4 Days Ago Flow (SCF)	121214		
5 Days Ago Flow (SCF)	121025	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	120455	Area #1 LEL	2
7 Days Ago Flow (SCF)	122084	Area #2 LEL	1

Date And Time			
Date	16-JUN-10	Time	8:05:43

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

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

Date	6/17/10	**Time**	7:20
Technician	NS	Wind Speed/Direction	10 W
Ambient Temperature (°F)	72	Barometric Pressure (in Hg)	29.71
Weather	Sunny	**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)	20.9	Nitrogen Pressure (psi)	700
Carbon Dioxide (% Vol)	20.0	Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.2	Blower Inlet Temp. (°F)	82
Balance Gas (% Vol)	58.6	Blower Discharge Temp. (°F)	127
Inlet Vacuum (in WC)	-8.929		

FLARE STATION		
Flare Inlet Pressure (in WC)	0.347	
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)	-9.2	Top Flare Temp. (°F)	1353
Flow Rate (SCFM)	82	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1388
Blower Current (Amps)	5.0	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1351	Louver Position (% Closed)	100
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1388	Control Mode	Manual
Area LEL (%)	2		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0	Current Flow (SCFM)	82
Blower **301** Current **(Hours)**	15075	Today's Total Flow (SCF)	33239
Blower **302** Current **(Amps)**	5.0	Total Flow (SCF)	184419209
Blower **302** Current **(Hours)**	15250		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	120167	Resettable Total Flow (SCF)	73729954
2 Days Ago Flow (SCF)	119539	Reset Time	11:33:3
3 Days Ago Flow (SCF)	119546	Reset Date	11/21/08
4 Days Ago Flow (SCF)	119736		
5 Days Ago Flow (SCF)	121214	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	121005	Area #1 LEL	2
7 Days Ago Flow (SCF)	120455	Area #2 LEL	1

Date And Time			
Date	17-JUN-10	Time	7:26:13

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	6/18/10	**Time**	9:25
Technician	NS	Wind Speed/Direction	12 SSW
Ambient Temperature (°F)	65	Barometric Pressure (in Hg)	30.01
Weather	Sunny	**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)	20.0		Nitrogen Pressure (psi)	700
Carbon Dioxide (% Vol)	19.3		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.4		Blower Inlet Temp. (°F)	83
Balance Gas (% Vol)	60.1		Blower Discharge Temp. (°F)	130
Inlet Vacuum (in WC)	-9.071			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.590	
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)	-9.3	Top Flare Temp. (°F)	1360
Flow Rate (SCFM)	84	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1413
Blower Current (Amps)	5.1	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1360	Louver Position (% Closed)	100
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1414	Control Mode	Manual
Area LEL (%)	1		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0	Current Flow (SCFM)	82
Blower **301** Current **(Hours)**	15075	Today's Total Flow (SCF)	42163
Blower **302** Current **(Amps)**	5.1	Total Flow (SCF)	184542001
Blower **302** Current **(Hours)**	15276		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	118700	Resettable Total Flow (SCF)	73857809
2 Days Ago Flow (SCF)	120167	Reset Time	11:33:5
3 Days Ago Flow (SCF)	119539	Reset Date	11/21/08
4 Days Ago Flow (SCF)	119546		
5 Days Ago Flow (SCF)	119736	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	121214	Area #1 LEL	1
7 Days Ago Flow (SCF)	121005	Area #2 LEL	0

Date And Time			
Date	18-JUN-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	6/21/10	**Time**	6:55
Technician	NS	Wind Speed/Direction	7 N
Ambient Temperature (°F)	75	Barometric Pressure (in Hg)	29.89
Weather	Sunny	**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)	20.2		Nitrogen Pressure (psi)	700
Carbon Dioxide (% Vol)	19.7		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.5		Blower Inlet Temp. (°F)	87
Balance Gas (% Vol)	59.7		Blower Discharge Temp. (°F)	130
Inlet Vacuum (in WC)	-9.016			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.349	
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)	8.8	Top Flare Temp. (°F)	1364
Flow Rate (SCFM)	82	Middle Flare Temp. (°F)	1461
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1413
Blower Current (Amps)	5.0	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1364	Louver Position (% Closed)	100
Flare Middle Temp. (°F)	1461	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1413	Control Mode	Manual
Area LEL (%)	1		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0	Current Flow (SCFM)	84
Blower **301** Current **(Hours)**	15075	Today's Total Flow (SCF)	29028
Blower **302** Current **(Amps)**	5.0	Total Flow (SCF)	184885052
Blower **302** Current **(Hours)**	15345		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	117806	Resettable Total Flow (SCF)	74200857
2 Days Ago Flow (SCF)	119377	Reset Time	11:53:3
3 Days Ago Flow (SCF)	119169	Reset Date	11/21/08
4 Days Ago Flow (SCF)	118700		
5 Days Ago Flow (SCF)	120167	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	119539	Area #1 LEL	1
7 Days Ago Flow (SCF)	119546	Area #2 LEL	1

Date And Time			
Date	21-JUN-10	Time	6:56:37

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	6/22/10	**Time**	8:05
Technician	NS	Wind Speed/Direction	6 N
Ambient Temperature (°F)	72	Barometric Pressure (in Hg)	30.12
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)	20.2		Nitrogen Pressure (psi)	700
Carbon Dioxide (% Vol)	19.4		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	9.6		Blower Inlet Temp. (°F)	88
Balance Gas (% Vol)	59.8		Blower Discharge Temp. (°F)	132
Inlet Vacuum (in WC)	-8.948			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.314	
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)	8.9	Top Flare Temp. (°F)	1352
Flow Rate (SCFM)	85	Middle Flare Temp. (°F)	1459
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1449
Blower Current (Amps)	5.0	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1353	Louver Position (% Closed)	100
Flare Middle Temp. (°F)	1453	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1450	Control Mode	Manual
Area LEL (%)	1		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0	Current Flow (SCFM)	81
Blower **301** Current **(Hours)**	15025	Today's Total Flow (SCF)	35424
Blower **302** Current **(Amps)**	5.0	Total Flow (SCF)	185008831
Blower **302** Current **(Hours)**	15379		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	117385	Resettable Total Flow (SCF)	74324556
2 Days Ago Flow (SCF)	117806	Reset Time	11:33:3
3 Days Ago Flow (SCF)	119377	Reset Date	11/21/08
4 Days Ago Flow (SCF)	119169		
5 Days Ago Flow (SCF)	118700	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	120167	Area #1 LEL	1
7 Days Ago Flow (SCF)	119539	Area #2 LEL	1

Date And Time			
Date	22-JUN-10	Time	8:06:51

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	6/23/10	**Time**	9:00
Technician	NS	Wind Speed/Direction	7 W
Ambient Temperature (°F)	75	Barometric Pressure (in Hg)	29.95
Weather	Sunny	**GEM I.D.**	GM090857

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)	20.4		Nitrogen Pressure (psi)		700
Carbon Dioxide (% Vol)	19.3		Blower Inlet Valve (% Open)		30
Oxygen (% Vol)	0.7		Blower Inlet Temp. (°F)		89
Balance Gas (% Vol)	59.1		Blower Discharge Temp. (°F)		132
Inlet Vacuum (in WC)	-9.255				

FLARE STATION		
Flare Inlet Pressure (in WC)	0.391	
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)	8.8	Top Flare Temp. (°F)	1329
Flow Rate (SCFM)	79	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1381
Blower Current (Amps)	5.0	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1326	Louver Position (% Closed)	100
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1376	Control Mode	Manual
Area LEL (%)	1		

Blower Data		**Flow & Totalizer**	
Blower **301** Current (**Amps**)	0	Current Flow (SCFM)	82
Blower **301** Current (**Hours**)	15075	Today's Total Flow (SCF)	40217
Blower **302** Current (**Amps**)	5.0	Total Flow (SCF)	1851320930
Blower **302** Current (**Hours**)	15395		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	118406	Resettable Total Flow (SCF)	74447755
2 Days Ago Flow (SCF)	117385	Reset Time	11:33:3
3 Days Ago Flow (SCF)	117806	Reset Date	11/21/09
4 Days Ago Flow (SCF)	119377		
5 Days Ago Flow (SCF)	119169	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	118700	Area #1 LEL	1
7 Days Ago Flow (SCF)	120167	Area #2 LEL	1

Date And Time			
Date	23-JUN-10	Time	9:05:57

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	6/24/10	**Time**	7:50
Technician	NS	Wind Speed/Direction	9 WSW
Ambient Temperature (°F)	79	Barometric Pressure (in Hg)	29.83
Weather	Sunny	**GEM I.D.**	GM 09087

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)		700
Carbon Dioxide (% Vol)	19.4		Blower Inlet Valve (% Open)		30
Oxygen (% Vol)	0.7		Blower Inlet Temp. (°F)		90
Balance Gas (% Vol)	59.3		Blower Discharge Temp. (°F)		134
Inlet Vacuum (in WC)	-8.334				

FLARE STATION		
Flare Inlet Pressure (in WC)	↑ 0.420	
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)	-8.2	Top Flare Temp. (°F)	1347
Flow Rate (SCFM)	83	Middle Flare Temp. (°F)	1468
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1477
Blower Current (Amps)	4.9	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1345	Louver Position (% Closed)	100
Flare Middle Temp. (°F)	1469	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1477	Control Mode	Auto
Area LEL (%)	1		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0	Current Flow (SCFM)	84
Blower **301** Current **(Hours)**	15075	Today's Total Flow (SCF)	33794
Blower **302** Current **(Amps)**	4.9	Total Flow (SCF)	185243466
Blower **302** Current **(Hours)**	15418		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	117859	Resettable Total Flow (SCF)	74559357
2 Days Ago Flow (SCF)	118406	Reset Time	11:33:3
3 Days Ago Flow (SCF)	117385	Reset Date	11/21/08
4 Days Ago Flow (SCF)	117804		
5 Days Ago Flow (SCF)	119377	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	119169	Area #1 LEL	1
7 Days Ago Flow (SCF)	118700	Area #2 LEL	1

Date And Time			
Date	24-JUN-10	Time	7:55:17

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	6/25/10	**Time**	7:35
Technician	NS	Wind Speed/Direction	13 NNW
Ambient Temperature (°F)	74	Barometric Pressure (in Hg)	29.96
Weather	Sunny	**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)	20.0		Nitrogen Pressure (psi)	700
Carbon Dioxide (% Vol)	19.7		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.3		Blower Inlet Temp. (°F)	38
Balance Gas (% Vol)	59.9		Blower Discharge Temp. (°F)	132
Inlet Vacuum (in WC)	-8.94			

FLARE STATION		
Flare Inlet Pressure (in WC)	2.302	
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)	-8.2	Top Flare Temp. (°F)	1316
Flow Rate (SCFM)	81	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1438
Blower Current (Amps)	5.0	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1323	Louver Position (% Closed)	100
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1437	Control Mode	Manual
Area LEL (%)	2		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0	Current Flow (SCFM)	81
Blower **301** Current **(Hours)**	15075	Today's Total Flow (SCF)	32599
Blower **302** Current **(Amps)**	5.0	Total Flow (SCF)	185358752
Blower **302** Current **(Hours)**	15442		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	116481	Resettable Total Flow (SCF)	74674477
2 Days Ago Flow (SCF)	117859	Reset Time	11:33:15
3 Days Ago Flow (SCF)	118406	Reset Date	11/21/08
4 Days Ago Flow (SCF)	117385		
5 Days Ago Flow (SCF)	117804	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	119377	Area #1 LEL	2
7 Days Ago Flow (SCF)	119169	Area #2 LEL	1

Date And Time			
Date	25-JUN-10	Time	7:38:17

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	6/28/10	**Time**	8:10
Technician	NS	Wind Speed/Direction	8SW
Ambient Temperature (°F)	80	Barometric Pressure (in Hg)	29.61
Weather	Sunny + Hazy	**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)	20.9		Nitrogen Pressure (psi)	700
Carbon Dioxide (% Vol)	~~19.8~~ 19.9		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.5		Blower Inlet Temp. (°F)	92
Balance Gas (% Vol)	58.8		Blower Discharge Temp. (°F)	134
Inlet Vacuum (in WC)	-8.525			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.350	
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)	-8.4	Top Flare Temp. (°F)	1536
Flow Rate (SCFM)	79	Middle Flare Temp. (°F)	1464
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1466
Blower Current (Amps)	4.9	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1339	Louver Position (% Closed)	100
Flare Middle Temp. (°F)	1455	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1470	Control Mode	Manual
Area LEL (%)	1		

Blower Data		**Flow & Totalizer**	
Blower **301** Current (**Amps**)	0	Current Flow (SCFM)	82
Blower **301** Current (**Hours**)	15075	Today's Total Flow (SCF)	34845
Blower **302** Current (**Amps**)	4.9	Total Flow (SCF)	185712544
Blower **302** Current (**Hours**)	15515		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	116668	Resettable Total Flow (SCF)	75028349
2 Days Ago Flow (SCF)	117488	Reset Time	11:33:3
3 Days Ago Flow (SCF)	117310	Reset Date	11/21/08
4 Days Ago Flow (SCF)	116481		
5 Days Ago Flow (SCF)	117859	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	118406	Area #1 LEL	1
7 Days Ago Flow (SCF)	117385	Area #2 LEL	1

Date And Time			
Date	28-JUN-10	Time	8:10:52

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	6/29/10	**Time**	8:30
Technician	NS	Wind Speed/Direction	8 WSW
Ambient Temperature (°F)	76	Barometric Pressure (in Hg)	29.73
Weather	~~Sunny~~ Partly 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)	20.3		Nitrogen Pressure (psi)	200
Carbon Dioxide (% Vol)	19.8		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0		Blower Inlet Temp. (°F)	92
Balance Gas (% Vol)	59.8		Blower Discharge Temp. (°F)	136
Inlet Vacuum (in WC)	-8.699			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.317	
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)	-8.2	Top Flare Temp. (°F)	1328
Flow Rate (SCFM)	77	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1386
Blower Current (Amps)	4.9	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1324	Louver Position (% Closed)	100
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1386	Control Mode	Manual
Area LEL (%)	1		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0	Current Flow (SCFM)	82
Blower **301** Current **(Hours)**	15075	Today's Total Flow (SCF)	35999
Blower **302** Current **(Amps)**	4.9	Total Flow (SCF)	185828964
Blower **302** Current **(Hours)**	15539		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	115266	Resettable Total Flow (SCF)	75144766
2 Days Ago Flow (SCF)	116668	Reset Time	11:33:3
3 Days Ago Flow (SCF)	117488	Reset Date	11/21/08
4 Days Ago Flow (SCF)	117310		
5 Days Ago Flow (SCF)	116481	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	117859	Area #1 LEL	1
7 Days Ago Flow (SCF)	118406	Area #2 LEL	1

Date And Time			
Date	29-JUN-10	Time	8:28:39

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	6/30/10	**Time**	7:35
Technician	NS	Wind Speed/Direction	13 NNW
Ambient Temperature (°F)	65	Barometric Pressure (in Hg)	30.09
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)	20.0		Nitrogen Pressure (psi)	700
Carbon Dioxide (% Vol)	18.2		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.5		Blower Inlet Temp. (°F)	83
Balance Gas (% Vol)	61.1		Blower Discharge Temp. (°F)	124
Inlet Vacuum (in WC)	-9.025			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.419	
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)	8.6	Top Flare Temp. (°F)	1312
Flow Rate (SCFM)	83	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1303
Blower Current (Amps)	5.0	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1314	Louver Position (% Closed)	100
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1304	Control Mode	Manual
Area LEL (%)	2		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0	Current Flow (SCFM)	83
Blower **301** Current **(Hours)**	15075	Today's Total Flow (SCF)	33200
Blower **302** Current **(Amps)**	5.0	Total Flow (SCF)	185941809
Blower **302** Current **(Hours)**	15562		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	115724	Resettable Total Flow (SCF)	75257616
2 Days Ago Flow (SCF)	115266	Reset Time	11:33:3
3 Days Ago Flow (SCF)	116668	Reset Date	11/21/08
4 Days Ago Flow (SCF)	117488		
5 Days Ago Flow (SCF)	117310	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	116481	Area #1 LEL	2
7 Days Ago Flow (SCF)	117859	Area #2 LEL	1

Date And Time			
Date	30-JUN-10	Time	7:33:21

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

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

06/01/2010 8:01 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1039.1 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

06/02/2010 7:46 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1039.1 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

06/03/2010 7:20 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1039.5 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

06/04/2010 8:34 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1039.7 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

06/07/2010 7:20 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1039.9 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

06/08/2010 7:44 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1040.1 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

06/09/2010 7:56 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1040.1 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

06/10/2010 8:21 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1040.1 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

06/11/2010 7:42 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1040.1 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

06/14/2010 8:08 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1040.2 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

06/15/2010 7:26 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1040.2 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

06/16/2010 8:07 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1040.2 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

06/17/2010 7:43 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1040.3 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

06/18/2010 9:28 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1040.3 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

06/21/2010 6:57 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1040.4 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

06/22/2010 8:10 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1040.4 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

06/23/2010 9:05 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1040.4 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

06/24/2010 7:55 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1040.5 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

06/25/2010 7:41 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1040.5 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

06/28/2010 8:14 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1040.5 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

06/29/2010 8:29 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1040.5 GAL

REMEDIAITION OF PENN.AVE
LANDFILL
1750 PENNSYLVANIA AVE.
BROOKLYN NY
GAS CONDENSATE TANK

06/30/2010 7:34 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1040.4 GAL

Pennsylvania Avenue Landfill

LFG-2
Biweekly Inspections

(April, May and June 2010)

FORM LFG-2
WEEKLY / BI-WEEKLY INSPECTION
LANDFILL GAS MANAGEMENT SYSTEM
PENNSYLVANIA AVENUE LANDFILL

	Date:	4/5/2010					4/7/2010				
	Time:	7:50					7:50				
	Technician:	CM					CM				
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	Good					Good				
3. CONTROL PANEL		~~Good~~					6				
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	55	% Open				55	% 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:	4/13/10					4/15/10				
	Time:	8:30 am					8:30 am				
	Technician:	Nate Somerville					Nate Somerville				
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										
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	OK					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:	4/20/10				4/22/10				
	Time:	7:15				7:30				
	Technician:	NS				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				
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:	4/27/10					4/29/10				
	Time:	7:30 am					7:30				
	Technician:	NS					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:	5-4-10			5-6-10			
	Time:	7:55			7:40am			
	Technician:	NS			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:	5-11-10					5-13-10			
	Time:	7:20					7:30			
	Technician:	NS					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:	5/18/10					5/20/10				
	Time:	7:40					7:44				
	Technician:	NS					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:	5/25/10					5/27/10				
	Time:	7:40					7:35				
	Technician:	NS					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:	6/1/10					6/3/10				
	Time:	8:00					7:15				
	Technician:	NS					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:	6/8/10					6/10/10			
	Time:	7:40					8:15			
	Technician:	NS					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:	6/15/10					6/17/10				
	Time:	7:20					7:20				
	Technician:	NS					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										
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:	6/22/10				6/24/10				
	Time:	8:05				7:50				
	Technician:	NS				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:	6/29/10				7/1/10				
	Time:	8:30				9:40				
	Technician:	NS				MOG-				
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: * Cleared system warning from power failure on 3/31/10 Condensate Critical										

Pennsylvania Avenue Landfill

LFG-3
Extraction Well Monitoring Reports

(April, May and June 2010)

Pennsylvania Avenue Landfill

Landfill Gas Extraction Well Report
APRIL 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
EW01	04/22/10	1.5	20.2	0.5	77.8	-0.551	NT	Fully Closed	Top
EW02	04/22/10	18.1	12.8	0.3	68.8	-0.135	47	Fully Closed	Over Valve
EW03	04/22/10	15.7	19.5	0.2	64.6	-0.220	NT	Fully Closed	Top
EW04	04/22/10	11.4	2.9	0.3	85.4	-0.150	43	Fully Closed	Dry
EW05	04/22/10	0.0	4.5	10.9	84.6	0.075	57	Fully Closed	Dry
EW06	04/22/10	4.7	5.2	0.0	90.1	-0.052	45	Throttled	Top
EW07	04/28/10	19.5	12.4	0.0	68.1	-0.197	37	Fully Closed	Top
EW08	04/28/10	1.7	15.7	0.0	82.6	-0.254	NT	Fully Closed	Top
EW09	04/27/10	6.8	18.5	0.0	74.7	-0.203	47	Fully Closed	Over Valve
EW10	04/27/10	10.8	18.7	0.0	70.5	-0.620	61	Fully Closed	Top
EW11	04/23/10	1.9	1.5	16.4	80.2	-0.308	48	Fully Closed	Under Valve
EW12	04/27/10	5.0	15.6	0.1	79.3	-0.880	46	Fully Closed	Under Valve
EW13	04/27/10	9.5	20.5	0.0	70.0	-0.440	66	Fully Closed	Under Valve
EW14	04/22/10	3.4	8.3	9.1	79.2	-0.137	38	Fully Closed	Under Valve
EW15	04/22/10	0.2	17.8	0.0	82.0	-0.288	42	Fully Closed	Under Valve
EW16	04/22/10	4.7	15.3	0.3	79.7	-0.265	48	Fully Closed	Under Valve
EW17	04/22/10	32.6	27.7	0.5	39.2	-0.033	47	Fully Closed	Under Valve
EW18	04/22/10	27.8	13.4	0.1	58.7	-0.410	40	Fully Open	Under Valve
EW19	04/22/10	19.6	19.6	0.3	60.5	-1.041	57	Fully Open	Top
EW20	04/22/10	11.6	18.3	0.2	69.9	0.075	48	Fully Closed	Under Valve
EW21	04/22/10	10.5	18.0	0.3	71.2	0.215	44	Fully Closed	Under Valve
EW22	04/22/10	6.2	16.4	0.1	77.3	0.002	39	Fully Closed	Over Valve
EW23	04/22/10	5.9	16.0	0.0	78.1	-0.562	55	Fully Closed	Top
EW24	04/27/10	19.7	18.4	0.0	61.9	-0.750	65	Throttled	Top
EW25	04/27/10	17.0	17.7	0.1	65.2	-1.252	52	Fully Closed	Under Valve
EW26	04/27/10	16.6	16.8	0.0	66.6	-0.810	40	Fully Closed	Over Valve
EW27	04/23/10	5.7	10.0	0.2	84.1	-0.016	60	Fully Closed	Over Valve
EW28	04/27/10	29.0	15.8	0.0	55.2	-20.086	55	Fully Open	Top
EW29	04/23/10	27.9	13.6	0.3	58.2	-0.915	60	Fully Open	Top
EW30	04/28/10	21.7	22.5	0.0	55.8	-0.288	49	Fully Closed	Over Valve
EW31	04/23/10	29.0	16.4	0.4	54.2	-2.812	43	Throttled	Under Valve
EW32	04/28/10	28.2	17.6	0.0	54.2	-0.693	55	Throttled	Top
EW33	04/23/10	28.8	13.2	0.3	57.7	-20.583	51	Fully Open	Top
EW34	04/02/10	27.5	14.2	0.1	58.2	-18.875	NT	Fully Open	Top
EW35	04/23/10	29.3	19.8	0.0	50.9	-31.111	77	Fully Open	Top
EW36	04/23/10	25.2	14.5	0.2	60.1	-7.030	NT	Fully Open	Top
EW37	04/23/10	26.4	14.0	0.3	59.3	0.430	57	Fully Open	Over Valve
EW38	04/27/10	29.8	16.5	0.0	53.7	-16.428	62	Fully Open	Top
EW39	04/23/10	30.5	14.3	0.5	54.7	-1.110	58	Fully Open	Top
EW40	04/23/10	21.6	15.3	0.5	62.6	-0.471	NT	Throttled	Top
EW41	04/23/10	29.4	15.2	0.7	54.7	0.218	51	Throttled	Top
EW42	04/23/10	26.8	14.8	0.5	57.9	-13.452	58	Fully Open	Top
EW43	04/27/10	23.2	14.6	0.0	62.2	-3.581	NT	Fully Closed	Under Valve
EW44	04/23/10	25.1	12.9	0.8	61.2	-0.020	58	Throttled	Top
EW45	04/23/10	26.3	13.0	0.5	60.2	0.049	29	Throttled	Under Valve
EW46	04/23/10	20.0	12.1	0.5	67.4	-0.401	44	Fully Closed	Top

Pennsylvania Avenue Landfill

Landfill Gas Extraction Well Report

May 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	5/21/10 12:29	1.1	18.4	0.3	80.2	-0.267	62	Fully Closed	Flooded	
EW02	5/21/10 11:15	14.8	12.3	0.1	72.8	-0.314	40	Fully Closed	Over Valve	
EW03	5/21/10 11:06	15.0	19.2	0.1	65.7	-0.491	NT	Fully Closed	Top	Temp. probe problems
EW04	5/21/10 10:56	10.4	2.8	0.6	86.2	-0.103	43	Fully Closed	Dry	Replaced protective cap
EW05	5/21/10 12:40	0.0	3.4	12.8	83.8	-0.036	36	Fully Closed	Dry	
EW06	5/21/10 10:50	4.5	6.5	0.0	89.0	-0.318	40	Throttled	Over Valve	
EW07	5/21/10 13:08	19.8	10.6	0.2	69.4	-0.233	51	Fully Closed	Top	
EW08	5/21/10 12:52	1.1	16.4	0.8	81.7	-1.196	NT	Fully Closed	Top	Temp. probe problems
EW09	5/21/10 10:41	7.7	17.1	0.3	74.9	-0.281	40	Fully Closed	Over Valve	
EW10	5/21/10 10:34	13.1	19.4	0.2	67.3	-0.127	64	Fully Closed	Top	
EW11	5/21/10 9:51	0.6	0.6	18.1	80.7	0.091	59	Fully Closed	Dry	
EW12	5/19/10 12:28	6.0	15.0	0.9	78.1	-0.087	55	Fully Closed	Under Valve	
EW13	5/19/10 12:53	11.0	20.6	0.5	67.9	-0.058	71	Fully Closed	Under Valve	
EW14	5/19/10 12:46	2.5	6.7	11.3	79.5	-0.020	53	Fully Closed	Under Valve	
EW15	5/19/10 12:59	0.1	17.2	0.5	82.2	-0.108	56	Fully Closed	Under Valve	
EW16	5/19/10 13:04	4.8	15.4	1.1	78.7	-0.111	52	Fully Closed	Under Valve	
EW17	5/19/10 13:24	35.4	28.1	0.6	35.9	-0.186	49	Fully Closed	Under Valve	
EW18	5/19/10 13:30	28.7	12.6	1.2	57.5	-0.084	46	Fully Open	Under Valve	
EW19	5/19/10 13:39	20.8	19.3	0.5	59.4	-1.309	NT	Fully Open	Top	Temp. probe problems
EW20	5/19/10 13:19	6.4	8.9	9.2	75.5	-0.188	52	Fully Closed	Under Valve	
EW21	5/19/10 13:11	10.4	17.1	0.9	71.6	-0.198	NT	Fully Closed	Under Valve	Temp. probe problems
EW22	5/19/10 13:46	5.9	16.3	0.6	77.2	-0.196	46	Fully Closed	Over Valve	
EW23	5/19/10 13:56	5.5	14.8	0.7	79.0	-0.440	57	Fully Closed	Top	
EW24	5/19/10 12:39	20.9	17.6	0.6	60.9	-0.542	66	Throttled	Top	Replaced protective cap
EW25	5/19/10 12:33	17.6	16.9	0.9	64.6	-0.341	55	Fully Closed	Under Valve	
EW26	5/19/10 12:24	22.1	17.6	0.6	59.7	-0.116	51	Fully Closed	Over Valve	Replaced protective cap
EW27	5/19/10 12:18	6.9	10.6	0.9	81.6	-0.022	53	Fully Closed	Over Valve	
EW28	5/20/10 13:24	28.6	14.7	0.4	56.3	1.033	42	Fully Open	Top	Access-Veg. Replaced protective cap. Temp probe problems.
EW29	5/20/10 13:46	28.6	14.4	0.4	56.6	1.926	NT	Fully Open	Top	Temp. probe problems
EW30	5/21/10 13:00	21.0	21.5	0.2	57.3	-0.089	32	Fully Closed	Over Valve	Access-Veg.
EW31	5/20/10 13:30	28.6	14.6	0.2	56.6	-0.881	36	Throttled	Under Valve	Access-Veg.
EW32	5/20/10 13:37	26.8	15.2	0.3	57.7	0.021	56	Throttled	Top	
EW33	5/20/10 13:55	27.5	12.6	0.3	59.6	-16.967	53	Fully Open	Top	
EW34	5/20/10 14:06	27.9	14.8	0.2	57.1	-0.224	NT	Fully Open	Top	Temp. probe problems
EW35	5/20/10 13:18	29.5	19.2	0.2	51.1	-13.549	75	Fully Open	Top	Access-Veg.
EW36	5/20/10 14:12	25.9	13.6	0.1	60.4	-6.901	53	Fully Open	Top	
EW37	5/20/10 14:19	26.3	13.7	0.1	59.9	-0.182	40	Fully Open	Top	
EW38	5/20/10 13:05	30.4	15.9	0.5	53.2	-2.455	65	Fully Open	Top	
EW39	5/20/10 14:46	29.3	13.8	0.5	56.4	-0.938	52	Fully Open	Top	
EW40	5/20/10 14:25	26.0	13.8	0.2	60.0	-0.530	NT	Throttled	Top	Temp. probe problems
EW41	5/21/10 10:19	28.2	15.2	0.2	56.4	-0.468	62	Throttled	Top	
EW42	5/20/10 14:37	26.7	14.2	0.3	58.8	-3.300	58	Fully Open	Top	
EW43	5/20/10 14:31	24.2	13.2	0.1	62.5	-2.798	NT	Fully Closed	Over Valve	Temp. probe problems
EW44	5/21/10 10:10	24.3	13.0	0.4	62.3	-0.181	60	Throttled	Top	
EW45	5/21/10 10:05	25.7	13.1	0.3	60.9	-0.150	46	Throttled	Under Valve	
EW46	5/21/10 9:57	19.4	12.5	0.3	67.8	-0.264	57	Fully Closed	Top	

Pennsylvania Avenue Landfill

Landfill Gas Extraction Well Report

June 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	6/25/10 13:30	1.5	20.0	0.0	78.5	-0.606	83	Fully Closed	Top	
EW02	6/25/10 12:49	15.1	13.0	0.0	71.9	0.156	56	Fully Closed	Over Valve	
EW03	6/25/10 12:38	16.8	18.3	0.0	64.9	-1.417	NT	Fully Closed	Top	Temp. probe problems
EW04	6/25/10 12:20	12.3	4.1	0.0	83.6	-0.064	54	Fully Closed	Dry	
EW05	6/25/10 12:28	0.2	7.4	6.7	85.7	-0.059	47	Fully Closed	Dry	
EW06	6/25/10 12:07	6.3	6.1	0.0	87.6	-0.101	133	Throttled	Over Valve	
EW07	6/28/10 10:56	24.6	12.2	0.0	63.2	-0.008	38	Fully Closed	Top	
EW08	6/29/10 13:51	5.6	15.7	0.0	78.7	-0.195	NT	Fully Closed	Top	Temp. probe problems
EW09	6/29/10 10:58	10.7	19.0	0.0	70.3	-0.181	47	Fully Closed	Over Valve	
EW10	6/29/10 11:06	16.5	20.0	0.0	63.5	-1.077	77	Fully Closed	Top	
EW11	6/29/10 11:16	3.5	2.3	15.8	78.4	-0.258	62	Fully Closed	Under Valve	
EW12	6/29/10 13:00	6.6	14.2	0.0	79.2	-0.160	51	Fully Closed	Under Valve	
EW13	6/25/10 14:08	12.8	20.6	0.7	65.9	0.052	73	Fully Closed	Under Valve	
EW14	6/25/10 13:56	1.2	2.4	16.1	80.3	0.010	51	Fully Closed	Under Valve	
EW15	6/25/10 14:21	0.0	16.6	1.0	82.4	0.032	54	Fully Closed	Under Valve	
EW16	6/25/10 13:39	3.9	9.3	7.0	79.8	-0.053	47	Fully Closed	Under Valve	
EW17	6/29/10 13:40	14.2	16.8	5.0	64.0	-0.482	53	Fully Closed	Under Valve	
EW18	6/29/10 13:37	19.3	17.6	0.0	63.1	-0.389	63	Fully Open	Over Valve	
EW19	6/29/10 13:34	20.9	20.7	0.0	58.4	-1.341	NT	Fully Open	Top	Temp. probe problems
EW20	6/29/10 13:27	3.8	4.1	13.3	78.8	-0.182	52	Fully Closed	Under Valve	
EW21	6/25/10 13:46	9.4	16.5	0.1	74.0	-0.053	55	Fully Closed	Under Valve	Temp. probe problems
EW22	6/29/10 13:09	6.3	16.9	0.0	76.8	-0.332	44	Fully Closed	Over Valve	
EW23	6/29/10 13:22	5.9	15.2	0.0	78.9	-0.260	53	Fully Closed	Top	
EW24	6/29/10 11:39	20.7	17.7	0.0	61.6	-0.658	NT	Throttled	Top	Temp probe problems, replaced protective cap, maintenance required
EW25	6/29/10 11:47	16.7	17.0	0.0	66.3	-0.310	63	Fully Closed	Under Valve	
EW26	6/29/10 11:54	22.9	16.7	0.0	60.4	-0.252	58	Fully Closed	Over Valve	Replaced protective cap
EW27	6/29/10 11:31	9.6	11.5	0.0	78.9	-0.226	45	Fully Closed	Over Valve	Replaced protective cap
EW28	6/28/10 13:19	28.1	14.1	0.0	57.8	-0.006	76	Fully Open	Under Valve	Access-Veg.
EW29	6/28/10 11:20	28.2	16.4	0.0	55.4	-0.333	76	Fully Open	Top	Temp. probe problems
EW30	6/29/10 14:02	26.7	22.3	0.0	51.0	-0.136	45	Fully Closed	Over Valve	Access-Veg.
EW31	6/28/10 11:11	28.0	16.4	0.0	55.6	0.162	57	Throttled	Under Valve	Access-Veg.
EW32	6/28/10 11:04	27.9	16.9	0.0	55.2	0.398	NT	Throttled	Top	Temp probe problems
EW33	6/28/10 12:48	27.0	12.4	0.1	60.5	-1.416	75	Fully Open	Top	
EW34	6/25/10 14:35	24.8	14.5	0.0	60.7	-0.553	NT	Fully Open	Top	Temp. probe problems
EW35	6/28/10 13:14	28.9	18.5	0.0	52.6	-20.644	60	Fully Open	Top	Access-Veg.
EW36	6/28/10 12:00	26.1	14.7	0.0	59.2	-7.564	76	Fully Open	Top	
EW37	6/28/10 11:33	29.8	15.8	0.0	54.4	0.076	85	Fully Open	Top	
EW38	6/28/10 12:56	29.8	15.5	0.0	54.7	-0.495	NT	Fully Open	Top	Temp probe problems
EW39	6/28/10 11:53	29.8	15.6	0.0	54.6	-0.592	73	Fully Open	Top	
EW40	6/28/10 11:40	29.7	15.8	0.0	54.5	-0.300	NT	Throttled	Top	Temp. probe problems
EW41	6/28/10 13:36	28.4	14.6	0.0	57.0	-1.145	91	Throttled	Top	
EW42	6/28/10 11:48	29.1	15.3	0.0	55.6	-0.789	75	Fully Open	Top	
EW43	6/29/10 12:52	24.9	13.1	0.0	62.0	-6.574	NT	Fully Closed	Over Valve	Temp. probe problems
EW44	6/28/10 13:43	24.8	12.6	0.0	62.6	-1.190	NT	Throttled	Top	Temp. probe problems
EW45	6/28/10 13:50	26.1	13.1	0.0	60.8	-0.083	72	Throttled	Under Valve	
EW46	6/29/10 11:24	21.9	12.9	0.0	65.2	-0.756	74	Fully Closed	Top	

Pennsylvania Avenue Landfill

LFG-4
Quarterly Inspection

(April 2010)

Month: APRIL 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 .091 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 32.5 ° 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: 4/30/10

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: 4/30/10 **Technician:** Ray Kenney

Appendix D –SWM, ANS, FCS Inspections

Pennsylvania Avenue Landfill

Monthly Landfill Inspections

Stormwater Management System
(SWM-1, SWM-2, SWM-3)

Final Cover System
(FCS-1)

Ancillary Systems
(ANS-1)

April 2010

FORM SWM-1

MONTHLY INSPECTION CHECKLIST

GEOCOMPOSITE DRAINS AND DRAINAGE SWALES

STORMWATER MANAGEMENT SYSTEM

PENNSYLVANIA AVENUE LANDFILL

Date: 4/22/10 **Inspected By:** Roy Kenney

	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	N.S	✓	✓	✓	✓				
	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: 4/22/10 **Inspected By:** Roy Kenney

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	WS	✓				
"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	✓	✓	✓	✓	WS	

FORM SWM-2

MONTHLY INSPECTION CHECKLIST

OUTLETS, CULVERTS AND REVETMENT AREA

STORMWATER MANAGEMENT SYSTEM

PENNSYLVANIA AVENUE LANDFILL

Date: 4/27/10 **Inspected By:** Roy Kenney

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	NS	✓	✓	
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: 4/27/10 **Inspected By:** Roy Kenney

	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: APRIL

DESCRIPTION OF DEFICIENCIES AND PROBLEMS

PENNSYLVANIA AVENUE LANDFILL

Date	Location	Description	Corrective Action Taken
4/22/10	P1 Geocomposite Drains	Broken Cleanout TOBes	W/O 89
4/22/10	Swale A1	Erosion Between EW25 and EW34	W/O 102
4/27/10	Culvert A	Vegetative Growth	W/O 96
4/27/10	Culvert C4	Vegetative Growth	W/O 97
4/27/10	Culvert D	Vegetative Growth	W/O 98
4/27/10	manhole D1A	PAD Shields Checked	monitor (same)

Date: 4/27/10 **Inspected By:** Ray Kennedy

Signature Ray Kennedy

FORM FCS-1

MONTHLY INSPECTION CHECKLIST

FINAL COVER SYSTEM

PENNSYLVANIA AVENUE LANDFILL

Date: 4/22/10 **Inspected By:** Roy Kenney

INSPECTION TASK	INSPECTION ZONE NUMBER						REMARKS
	1	2	3	4	5	6	
Surface Cracks	✓	✓	✓	✓	✓	✓	
Vegetative Growth	✓	✓	✓	✓	✓	✓	
Vector Penetration	✓	✓	✓	✓	✓	✓	
Settlement	✓	✓	✓	✓	✓	✓	
Erosion	✓	NS	✓	✓	✓	✓	
Slope Stability	✓	✓	✓	✓	✓	✓	
Seepage	✓	✓	✓	✓	✓	✓	
Vandalism	✓	✓	✓	✓	✓	✓	
Vegetation Islands	✓	✓	✓	✓	✓	✓	
	7	8	9	10	11	12	
Surface Cracks	✓	✓	✓	✓	✓	✓	
Vegetative Growth	✓	✓	✓	✓	✓	✓	
Vector Penetration	✓	✓	✓	✓	✓	✓	
Settlement	✓	✓	✓	✓	✓	✓	
Erosion	✓	NS	✓	✓	NS	NS	
Slope Stability	✓	✓	✓	✓	✓	✓	
Seepage	✓	✓	✓	✓	✓	✓	
Vandalism	✓	✓	✓	✓	✓	✓	
Vegetation Islands	✓	✓	✓	✓	✓	✓	
	13	14	15	16	17		
Surface Cracks	✓	✓	✓	✓	✓		
Vegetative Growth	✓	✓	✓	✓	✓		
Vector Penetration	✓	✓	✓	✓	✓		
Settlement	✓	✓	✓	✓	✓		
Erosion	✓	NS	NS	NS	NS		
Slope Stability	✓	✓	✓	✓	✓		
Seepage	✓	✓	✓	✓	✓		
Vandalism	✓	✓	✓	✓	✓		
Vegetation Islands	✓	✓	✓	✓	✓		

Comments:

FORM DP-1

FINAL COVER SYSTEM: FCS-1

Month: APRIL

DESCRIPTION OF DEFICIENCIES AND PROBLEMS

PENNSYLVANIA AVENUE LANDFILL

Date	Location	Description	Corrective Action Taken
4/27/10	Zone 2	Erosion By nature TRAIL	W/O 107
4/27/10	Zone 8	EROSION BY NATURE TRAIL	W/O 99
4/27/10	Zone 11	EROSION BY manhole D5A	W/O 100
4/27/10	Zone 12	EROSION BY manhole D7	W/O 101
4/27/10	Zone 14	EROSION BY manhole D4	W/O 103
4/27/10	Zone 15	EROSION BY manhole D1	W/O 104
4/22/10	Zone 16	EROSION BY NATURE TRAIL	W/O 105
4/27/10	Zone 17	EROSION BY NATURE TRAIL	W/O 106

Date: 4/22/10 **Inspected By:** Ray Kenney

Signature Ray Kenney

FORM ANS-1

MONTHLY INSPECTION CHECKLIST

ANCILLARY SYSTEMS

PENNSYLVANIA AVENUE LANDFILL

Date: 4/27/10 **Inspected By:** Roy Kennedy

	INSPECTION TASK		REMARKS
1	**ROAD "A"**		
	Rutting	✓	
	Depression/Settlement	NS	
	Washout	NS	
	Roadway Stone Condition	✓	
2	**ROAD "B"**		
	Rutting	✓	
	Depression/Settlement	NS	
	Washout	NS	
	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	NS	
	Depression/Settlement	NS	
	Washout	NS	
	Roadway Stone Condition	NS	
7	**NATURE TRAIL - WEST**		
	Rutting	NS	
	Depression/Settlement	NS	
	Washout	NS	
	Roadway Stone Condition	NS	
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: APRIL

DESCRIPTION OF DEFICIENCIES AND PROBLEMS

PENNSYLVANIA AVENUE LANDFILL

Date	Location	Description	Corrective Action Taken
4/22/10	ROAD A	Pot holes and Ruts By Sect 2, 9, 15, & 17	w/o 90
4/27/10	Road B	Pot holes and Ruts By west nature trail	w/o 91
4/22/10	west nature TRAIL	Needs Repair	w/o 92
4/22/10	EAST NATURE TRAIL	Needs Repair	w/o 93
4/27/10	Perimeter fence	Holes in fence By Sect 15 & 17	
4/27/10	Perimeter fence	Damage to Posts By STRATA Trailer	w/o 94
4/27/10	Perimeter fence	Trees fell on fence By Sect 17	w/o 109

Date: 4/27/10 **Inspected By:** Ray Kennedy

Signature Ray Kennedy

Pennsylvania Avenue Landfill

Monthly Landfill Inspections

Stormwater Management System
(SWM-1, SWM-2, SWM-3)

Final Cover System
(FCS-1)

Ancillary Systems
(ANS-1)

May 2010

FORM SWM-1

MONTHLY INSPECTION CHECKLIST

GEOCOMPOSITE DRAINS AND DRAINAGE SWALES

STORMWATER MANAGEMENT SYSTEM

PENNSYLVANIA AVENUE LANDFILL

Date: 5-21-10. **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	N.S	N.S	N.S	N.S	N.S				
	Standing Water	✓	✓	✓	✓	✓				
	Sediments and Debris	✓	✓	✓	✓	✓				
	Erosion/Washouts	N.S	✓	✓	✓	✓				
	Settlement and Sinkholes	✓	✓	✓	✓	✓				
3	**"B" Swales**	**B1**	**B2X**	**B3X**	**B4X**	**B5**	**B6X**	**B7N**	**B8N**	
	Overgrown Vegetation	N.S	N.S	N.S	N.S	N.S	N.S	N.S	N.S	
	Standing Water	✓	✓	✓	✓	✓	✓	✓	✓	
	Sediments and Debris	✓	✓	✓	✓	✓	✓	✓	✓	
	Erosion/Washouts	✓	✓	✓	✓	✓	✓	✓	✓	
	Settlement and Sinkholes	✓	✓	✓	✓	✓	✓	✓	✓	
4	**"C" Swales**	**C1X**	**C2X**	**C3**	**C4X**	**C5**	**C6N**	**C7N**		
	Overgrown Vegetation	N.S	N.S	N.S	N.S	N.S	N.S	N.S		
	Standing Water	✓	✓	✓	✓	✓	✓	✓		
	Sediments and Debris	✓	✓	✓	✓	✓	✓	✓		
	Erosion/Washouts	✓	✓	✓	✓	✓	✓	✓		
	Settlement and Sinkholes	✓	✓	✓	✓	✓	✓	✓		
	"D" Swales	**D1X**	**D2**	**D3X**	**D4**					
	Overgrown Vegetation	N.S	N.S	N.S	N.S					
	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: 5-21-10. **Inspected By:** E. McLeau

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: 5-21-10. **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: 5-21-10. **Inspected By:** E. McLeah

	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: May, 2010.

DESCRIPTION OF DEFICIENCIES AND PROBLEMS

PENNSYLVANIA AVENUE LANDFILL

Date	Location	Description	Corrective Action Taken
5-21-10.	7 Geocomposite Drains	Broken Cleanout Tube	W/O 89.
6-21-10.	Swale A1	Erosion between EW 29	W/O 102.
		and EW 34.	
5-21-10.	A. Swales.	Vegetative Growth.	Mowed 5-28-10.
5-21-10	B. Swales.	" "	Mowed 5-28-10.
5-21-10	C. Swales.	" "	Mowed 5-27-10.
5-21-10	D Swales.	" "	Mowed 5-27-10.
5-21-10	Manhole D.1A	Pad Shifted.	

Date: 5-21-10. **Inspected By:** E. McLean

Signature

FORM FCS-1

MONTHLY INSPECTION CHECKLIST

FINAL COVER SYSTEM

PENNSYLVANIA AVENUE LANDFILL

Date: 5-21-10. **Inspected By:** E. McLean

INSPECTION TASK	INSPECTION ZONE NUMBER						REMARKS
	1	2	3	4	5	6	
Surface Cracks	✓	✓	✓	✓	✓	✓	
Vegetative Growth	✓	✓	✓	✓	✓	✓	
Vector Penetration	✓	✓	✓	✓	✓	✓	
Settlement	✓	✓	✓	✓	✓	✓	
Erosion	✓	N.S	✓	✓	✓	✓	
Slope Stability	✓	✓	✓	✓	✓	✓	
Seepage	✓	✓	✓	✓	✓	✓	
Vandalism	✓	✓	✓	✓	✓	✓	
Vegetation Islands	✓	✓	✓	✓	✓	✓	
	7	8	9	10	11	12	
Surface Cracks	✓	✓	✓	✓	✓	✓	
Vegetative Growth	✓	✓	✓	✓	✓	✓	
Vector Penetration	✓	✓	✓	✓	✓	✓	
Settlement	✓	✓	✓	✓	✓	✓	
Erosion	✓	N.S.	✓	✓	N.S.	N.S.	
Slope Stability	✓	✓	✓	✓	✓	✓	
Seepage	✓	✓	✓	✓	✓	✓	
Vandalism	✓	✓	✓	✓	✓	✓	
Vegetation Islands	✓	✓	✓	✓	✓	✓	
	13	14	15	16	17		
Surface Cracks	✓	✓	✓	✓	✓	✓	
Vegetative Growth	✓	✓	✓	✓	✓	✓	
Vector Penetration	✓	✓	✓	✓	✓	✓	
Settlement	✓	✓	✓	✓	✓	✓	
Erosion	✓	N.S.	N.S	N.S	N.S		
Slope Stability	✓	✓	✓	✓	✓	✓	
Seepage	✓	✓	✓	✓	✓	✓	
Vandalism	✓	✓	✓	✓	✓	✓	
Vegetation Islands	✓	✓	✓	✓	✓	✓	

Comments:

FORM DP-1

FINAL COVER SYSTEM: FCS-1

Month: May, 2010.

DESCRIPTION OF DEFICIENCIES AND PROBLEMS

PENNSYLVANIA AVENUE LANDFILL

Date	Location	Description	Corrective Action Taken
5-21-10.	Zone 7.	Erosion By Nature Trail.	W/O 107.
5-21-10.	Zone 8.	Erosion By Nature Trail.	W/O 99.
5-21-10.	Zone 11.	" " Manhole D5A.	W/O 100.
5-21-10.	Zone 12.	" " Manhole D7.	W/O 101.
5-21-10.	Zone 14.	" " Manhole D4.	W/O 103.
5-21-10	Zone 15.	" " Manhole D1.	W/O 104.
5-21-10.	Zone 16.	" " Nature Trail.	W/O 105.
5-21-10	Zone 17.	" " Nature Trail.	W/O 106.

Date: 5-21-10. **Inspected By:** E. McLean

Signature [signature]

FORM ANS-1

MONTHLY INSPECTION CHECKLIST

ANCILLARY SYSTEMS

PENNSYLVANIA AVENUE LANDFILL

Date: 5/28/10 **Inspected By:** E. McLean + Nate Somerville

	INSPECTION TASK		REMARKS
1	**ROAD "A"**		
	Rutting	✓	
	Depression/Settlement	NS	
	Washout	NS	
	Roadway Stone Condition	✓	
2	**ROAD "B"**		
	Rutting	✓	
	Depression/Settlement	NS	
	Washout	NS	
	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	NS	
	Depression/Settlement	NS	
	Washout	NS	
	Roadway Stone Condition	NS	
7	**NATURE TRAIL - WEST**		
	Rutting	NS	
	Depression/Settlement	NS	
	Washout	NS	
	Roadway Stone Condition	NS	
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: May 2010.

DESCRIPTION OF DEFICIENCIES AND PROBLEMS

PENNSYLVANIA AVENUE LANDFILL

Date	Location	Description	Corrective Action Taken
5-28-10.	Road 'A'	Potholes + Ruts - Sections 7, 9, 15 + 17.	W/O 90.
5-28-10.	Road 'B'	Potholes + Ruts By West Nature Trail.	W/O 91.
5-28-10.	West Nature Trail.	Repairs Needed.	W/O 92.
5-28-10.	East Nature Trail.	Repairs Needed.	W/O 93.
5-28-10.	Perimeter Fence.	Holes In Fence - Sections 15 + 17.	
5-28-10.	Perimeter Fence.	Damage To Posts By Straits Trailer.	W/O 94.
5-28-10.	Perimeter Fence.	Trees Fell On Fence - Section 17.	W/O 109.

Date: 5-28-10. **Inspected By:** E. McLean.

Signature E. McLean.

Pennsylvania Avenue Landfill

Monthly Landfill Inspections

Stormwater Management System
(SWM-1, SWM-2, SWM-3)

Final Cover System
(FCS-1)

Ancillary Systems
(ANS-1)

June 2010

FORM SWM-1

MONTHLY INSPECTION CHECKLIST

GEOCOMPOSITE DRAINS AND DRAINAGE SWALES

STORMWATER MANAGEMENT SYSTEM

PENNSYLVANIA AVENUE LANDFILL

Date: 6-10-10 | **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	✓	✓	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	N.S	N.S.	✓	✓	✓	✓	✓		
	Standing Water	✓	✓	✓	✓	✓	✓	✓		
	Sediments and Debris	✓	✓	✓	✓	✓	✓	✓		
	Erosion/Washouts	✓	✓	✓	✓	✓	✓	✓		
	Settlement and Sinkholes	✓	✓	✓	✓	✓	✓	✓		
	"D" Swales	**D1X**	**D2**	**D3X**	**D4**					
	Overgrown Vegetation	✓	✓	N.S	✓					
	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: 6-10-10. **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: 6-10-10.

Inspected By: E. McLeah.

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: 6-15-10. **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)	✓	✓	✓	✓	✓	✓		
	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: June, 2010.

DESCRIPTION OF DEFICIENCIES AND PROBLEMS

PENNSYLVANIA AVENUE LANDFILL

Date	Location	Description	Corrective Action Taken
6-10-10	P1 Geocomposite Drains	Broken Cleanout Tube.	W/O 89.
6-10-10	Swales A1.	Erosion between E.W. 29.	W/O 102.
		And E.W. 34.	
6-10-10	Swale C1x.	Vegetative Growth.	
6-10-10	Swales C2x.	Vegetative Growth.	
6-10-10	Swales D2x.	Vegetative Growth.	

Date: 6-10-10. **Inspected By:** G. McLeral.

Signature [signature]

FORM FCS-1

MONTHLY INSPECTION CHECKLIST

FINAL COVER SYSTEM

PENNSYLVANIA AVENUE LANDFILL

Date: 6-15-10. **Inspected By:** G. McLean.

INSPECTION TASK	INSPECTION ZONE NUMBER						REMARKS
	1	2	3	4	5	6	
Surface Cracks	✓	✓	✓	✓	✓	✓	
Vegetative Growth	✓	✓	✓	✓	✓	✓	
Vector Penetration	✓	✓	✓	✓	✓	✓	
Settlement	✓	✓	✓	✓	✓	✓	
Erosion	✓	U.S.	✓	✓	✓	✓	
Slope Stability	✓	✓	✓	✓	✓	✓	
Seepage	✓	✓	✓	✓	✓	✓	
Vandalism	✓	✓	✓	✓	✓	✓	
Vegetation Islands	✓	✓	✓	✓	✓	✓	
	7	8	9	10	11	12	
Surface Cracks	✓	✓	✓	✓	✓	✓	
Vegetative Growth	✓	✓	✓	✓	✓	✓	
Vector Penetration	✓	✓	✓	✓	✓	✓	
Settlement	✓	✓	✓	✓	✓	✓	
Erosion	✓	U.S.	✓	✓	U.S.	U.S.	
Slope Stability	✓	✓	✓	✓	✓	✓	
Seepage	✓	✓	✓	✓	✓	✓	
Vandalism	✓	✓	✓	✓	✓	✓	
Vegetation Islands	✓	✓	✓	✓	✓	✓	
	13	14	15	16	17		
Surface Cracks	✓	✓	✓	✓	✓	✓	
Vegetative Growth	✓	✓	✓	✓	✓	✓	
Vector Penetration	✓	✓	✓	✓	✓	✓	
Settlement	✓	✓	✓	✓	✓	✓	
Erosion	✓	U.S	U.S.	U.S.	U.S.		
Slope Stability	✓	✓	✓	✓	✓		
Seepage	✓	✓	✓	✓	✓		
Vandalism	✓	✓	✓	✓	✓		
Vegetation Islands	✓	✓	✓	✓	✓		

Comments:

FORM DP-1

FINAL COVER SYSTEM: FCS-1

Month: June, 2010.

DESCRIPTION OF DEFICIENCIES AND PROBLEMS

PENNSYLVANIA AVENUE LANDFILL

Date	Location	Description	Corrective Action Taken
6-15-10.	Zone 7.	Erosion By Nature Trail.	W/O 107.
6-15-10	" 8.	" " " "	" 99.
" " "	" 11.	" " Manhole DSA.	" 100
" " "	" 12.	" " " D7.	" 101.
" " "	" 14.	" " " D4.	" 103.
" " "	" 15.	" " " D1.	" 104
" " "	" 16.	" " Nature Trail.	" 105.
" " "	" 17.	" " " "	" 106.

Date: 6-15-10.

Inspected By: E. McLean.

Signature [signature]

FORM ANS-1

MONTHLY INSPECTION CHECKLIST

ANCILLARY SYSTEMS

PENNSYLVANIA AVENUE LANDFILL

Date: 6-15-10. **Inspected By:** G. McLean.

	INSPECTION TASK		REMARKS
1	**ROAD "A"**		
	Rutting	✓	
	Depression/Settlement	NS.	
	Washout	NS.	
	Roadway Stone Condition	✓	
2	**ROAD "B"**		
	Rutting	✓	
	Depression/Settlement	NS	
	Washout	NS	
	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	NS.	
	Depression/Settlement	NS.	
	Washout	NS.	
	Roadway Stone Condition	NS.	
7	**NATURE TRAIL - WEST**		
	Rutting	NS	
	Depression/Settlement	NS	
	Washout	NS	
	Roadway Stone Condition	NS	
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: June, 2010.

DESCRIPTION OF DEFICIENCIES AND PROBLEMS

PENNSYLVANIA AVENUE LANDFILL

Date	Location	Description	Corrective Action Taken
6-15-10.	Road 'A'.	Potholes + Ruts - Sections 2, 9, 16 + 17.	W/O - 90.
6-15-10.	Road 'B'.	Potholes + Ruts - By West Nature Trail.	W/O - 91.
6-15-10.	West Nature Trail.	Repairs Needed.	W/O - 92.
6-15-10.	East Nature Trail.	Repairs Needed.	W/O - 93.
6-15-10.	Perimeter Fence.	Holes In Fence - Sections 15 + 17.	
6-15-10.	Perimeter Fence.	Damage To Posts By Stratis Trailer.	W/O - 94.
6-15-10.	Perimeter Fence.	Trees Fell On Fence In Section 17.	W/O - 109.

Date: 6-15-10. **Inspected By:** E. McLean.

Signature E. McLean

Appendix E – Groundwater Monitoring

- Groundwater Elevations Synoptic
- Groundwater Sample Collection Field Logs
- Tabulated Summary of Laboratory Results
- Data Usability Summary Report
- Laboratory Reports
- Chain of Custody

Pennsylvania Avenue Landfill

Groundwater Elevations
Synoptic Report

Second Quarter 2010

PENNSYLVANIA AVENUE LANDFILL
SYNOPTIC
SECOND QUARTER - June 2010

Tech: Nate Somerville

Date: 6/11/10

High Tide: 8:07

Low Tide: 13:48

Weather: Mostly cloudy,
Ambient Temp: 66°F,
Winds at 7 mph E,
Barometric Pressure at 20.15 in. Hg

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	9:17	7.91	**1.33**	16.00	**-6.76**
HP-101 S	11.22	9:15	10.44	**0.78**	42.30	**-31.08**
HP-101 D	9.70	9:18	13.04	**-3.35**	153.94	**-144.25**
HP-407 U	8.73	9:10	8.81	**-0.08**	16.90	**-8.17**
HP-407 S	8.31	9:12	9.23	**-0.92**	39.02	**-30.71**
HP-407 D	8.84	9:11	9.60	**-0.76**	78.83	**-70.00**
HP-104 A	7.97	9:05	12.35	**-4.38**	21.27	**-13.30**
HP-103 D	7.03	9:00	9.99	**-2.96**	155.40	**-148.37**
HP-603	9.01	9:02	10.43	**-1.42**	16.72	**-7.71**
HP-318	13.38	9:23	15.50	**-2.12**	21.90	**-8.52**

Elevations: Borough of Brooklyn Datum

Pennsylvania Avenue Landfill

Groundwater Monitoring
Field Logs

Second Quarter 2010

STRATIS

GROUNDWATER MONITORING WELL SAMPLING
PENNSYLVANIA AVE. LANDFILL

Mostly sunny, 70°F, BP: 30.05, Wind: 9 NW, 23 mph gusts

Date: 6/8/10 **Well ID:** HP-101-D **Sampler:** MOG & RK

VOC (PID Rdng): 0 mg/L	Depth to Water (ft): 12.34	Pump Start Time: 9:10

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)
9:17	12.47	100	20	300	15.25	55.52	4.29	6.67	-76.3	16.5
9:22	12.47	100	21	286	15.39	55.30	3.17	6.67	-113.8	14.2
9:25	12.46	100	23	261	15.35	55.27	2.26	6.67	-108.1	8.16
9:29	12.46	100	34	176	15.49	55.41	1.78	6.67	-122.8	7.39
9:33	12.46	100	25	240	15.42	55.41	1.38	6.67	-120.0	7.76
9:36	12.47	100	25	240	15.37	55.39	1.19	6.67	-143.2	7.01
9:39	12.50	100	24	250	15.38	55.33	1.05	6.68	-147.8	5.96
9:42	12.50	100	25	240	15.42	55.30	0.89	6.69	-146.1	6.21
9:45	12.50	100	25	240	15.48	55.34	0.80	6.69	-115.0	5.47
9:49	12.50	100	25	240	15.45	55.24	0.71	6.70	-111.0	5.13
9:52	12.51	100	25	240	15.50	55.26	0.61	6.71	-148.9	6.65
9:57	12.52	100	25	240	15.49	55.26	0.63	6.70	-152.6	5.22
10:00	12.55	100	25	240	15.45	55.20	0.56	6.71	-154.1	5.54
10:03	12.55	100	25	240	15.48	55.15	0.55	6.71	-154.9	4.30
10:06	12.55	100	25	240	15.54	55.16	0.48	6.71	-153.9	4.37
10:09	12.55	100	25	240	15.56	55.19	0.49	6.71	157.4	4.28
10:40	12.64	100								
10:59	12.67	100								
11:20	12.74	100								
11:40	12.72	100								

Sample Start Time: 10:10 **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		8 oz Plastic NON METALS - BROMIDE	
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	X	MSD	X	BLIND DUP.		FIELD BLANKS		TRIP	

Sample Finish Time: 11:45	Depth to Water DTW (ft): 12.72	Volume Pumped (gallons): ~5	VOC - PID Rdng (mg/L): Well: 0 Tote: 0

STRATIS GROUNDWATER MONITORING WELL SAMPLING

PENNSYLVANIA AVE. LANDFILL

Mostly sunny with scattered clouds, 74°F, BP: 30.03, Wind: 18 NNW, 24 mph gusts

Date: 6/8/10 **Well ID:** HP-101-S **Sampler:** MOG & RK

VOC (PID Rdng): 0 mg/L	Depth to Water (ft): 10.88	Pump Start Time: 14:39

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)
14:41	10.88	100	24	250	17.42	10.49	5.91	6.85	-230.5	NA
14:44	10.88	100	24	250	18.15	10.28	4.46	6.86	-237.0	0.54
14:48	10.86	100	33	182	18.44	10.09	3.80	6.88	-238.4	0.29
14:51	10.84	100	27	222	18.45	9.523	2.77	6.90	-240.7	0.40
14:54	10.83	100	27	222	18.45	9.235	2.21	6.89	-239.0	0.37
14:57	10.81	100	33	182	18.58	9.122	2.00	6.90	-240.2	0.36
15:00	10.81	100	27	222	18.79	9.024	1.65	6.89	-241.3	0.37
15:15	10.73				18.62	9.001	0.92	6.86	-248.5	
15:35	10.70									

Sample Start Time: 15:02	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		8 oz Plastic NON METALS - BROMIDE	
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: 15:35	Depth to Water DTW (ft): 10.70	Volume Pumped (gallons): ~2	VOC - PID Rdng (mg/L): Well: 0 Tote: 0

STRATIS

GROUNDWATER MONITORING WELL SAMPLING
PENNSYLVANIA AVE. LANDFILL

Partly sunny with scattered clouds, 75°F, BP: 30.04, Wind: 13 North, 22 mph gusts

Date: 6/8/10 **Well ID:** HP-101-U **Sampler:** MOG & RK

VOC (PID Rdng): 0 mg/L	Depth to Water (ft): 7.69	Pump Start Time: 13:08

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)
13:12	7.73	100	17	353	15.92	2.026	5.28	6.50	-55.2	2.85
13:16	7.73	100	23	261	15.90	1.996	2.88	6.45	-55.1	2.14
13:19	7.73	100	29	207	15.93	1.995	2.06	6.43	-51.9	1.76
13:22	7.74	100	24	250	15.88	2.013	1.56	6.40	-51.3	1.24
13:25	7.74	100	25	240	15.87	2.136	1.26	6.37	-51.6	0.86
13:28	7.74	100	26	231	15.86	2.377	1.07	6.41	-50.5	0.73
13:31	7.74	100	25	240	15.82	2.598	0.94	6.40	-45.9	0.73
13:34	7.74	100	25	240	16.03	2.880	0.86	6.38	-41.4	0.72
13:37	7.74	100	25	240	16.07	3.064	0.86	6.38	-38.4	0.61
13:40	7.74	100	25	240	16.07	3.077	0.75	6.39	-43.0	0.57
13:43	7.74	100	25	240	16.01	3.340	0.69	6.40	-48.1	0.70
14:10	7.74									
14:35	7.73									

Sample Start Time: 13:45 **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		8 oz Plastic NON METALS - BROMIDE	
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.	X	FIELD BLANKS		TRIP	

Sample Finish Time: 14:35	Depth to Water DTW (ft): 7.73	Volume Pumped (gallons): ~4	VOC - PID Rdng (mg/L): Well: 0 Tote: 0

STRATIS

GROUNDWATER MONITORING WELL SAMPLING
PENNSYLVANIA AVE. LANDFILL

Mostly sunny,
72°F, BP: 29.83,
Wind: 12 N,
20 mph gusts

Date: 6/7/10 **Well ID:** HP-103-D **Sampler:** MOG & RK

VOC (PID Rdng): 0 mg/L	Depth to Water (ft): 11.50	Pump Start Time: 10:45 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)
10:57	13.31	100	39	154	17.12	39.02	3.47	6.71	-23.0	3.11
11:00	13.50	100	30	200	17.75	39.82	3.08	6.74	-35.5	3.58
11:03	13.74	100	30	200	17.07	39.51	2.80	6.78	-63.2	2.79
11:06	14.03	100	27	222	17.17	39.49	2.36	6.79	-55.1	2.33
11:09	14.24	100	28	214	16.84	39.23	2.09	6.80	-63.5	2.41
11:12	14.40	100	28	214	16.92	39.34	1.93	6.81	-42.7	2.05
11:15	14.62	100	28	214	16.87	39.33	1.87	6.82	-44.3	2.05
11:18	14.85	100	28	214	16.81	39.21	1.72	6.83	-59.8	2.38
11:21	15.00	100	28	214	16.73	39.15	1.62	6.83	-57.9	1.97
11:24	15.16	100	27	222	16.83	39.21	1.49	6.84	-53.7	2.20
11:27	15.40	100	27	222	16.75	39.19	1.35	6.84	-56.5	2.29
11:30	15.55	100	28	214	16.85	39.25	1.30	6.84	-56.1	2.11
11:30	15.63	100	28	214	16.80	39.23	1.22	6.84	-58.0	1.98
11:36	15.75	100	28	214	16.81	39.30	1.18	6.84	-58.5	1.98
11:50					16.77	39.28	0.99	6.85	-59.7	
12:02					16.73	39.11	0.92	6.84	-60.7	
12:08	15.38				16.78	39.13	0.91	6.84	-60.4	

Sample Start Time: 11:40 AM	Sampling Pumping Rate: 214 (Not to exceed 250 mL/min)

8 oz Plastic [HNO3] METALS	X	32 oz Plastic NON METALS	X	16 oz Plastic NON METALS		8 oz Plastic NON METALS - BROMIDE	
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: 12:18 PM	Depth to Water DTW (ft): 15.30	Volume Pumped (gallons): ~4	VOC - PID Rdng (mg/L): Well: 0 Tote: 0

STRATIS

GROUNDWATER MONITORING WELL SAMPLING
PENNSYLVANIA AVE. LANDFILL

Scattered clouds/breeze, 74°F, BP: 29.83, Wind: 15 NW, 23 mph gusts

Date: 6/7/10 **Well ID:** HP-104-A **Sampler:** MOG & RK

VOC (PID Rdng): 0 mg/L	Depth to Water (ft): 12.33	Pump Start Time: 3:12 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)
15:17	12.31	100	26	231	15.12	1.199	4.76	6.43	-162.0	0.75
15:20	12.31	100	25	240	15.82	1.230	3.76	6.42	-152.8	0.64
15:23	12.31	100	25	240	16.02	1.245	2.91	6.46	-143.4	0.64
15:26	12.31	100	25	240	15.85	1.244	2.03	6.49	-157.1	0.80
15:29	12.31	100	25	240	16.02	1.257	1.63	6.50	-146.4	0.63
15:32	12.31	100	25	240	16.00	1.260	1.50	6.54	-148.8	0.81
15:35	12.31	100	25	240	16.22	1.273	1.22	6.52	-150.9	0.81
15:38	12.31	100	26	231	16.38	1.289	1.04	6.55	-156.2	0.72
15:41	12.31	100	28	214	16.05	1.289	0.91	6.59	-159.7	0.67
15:45	12.31	100	27	222	16.01	1.291	0.83	6.57	-161.3	0.71
15:55	12.29				16.06	1.330	0.62	6.61	-163.8	0.50
16:05					15.75	1.353	0.58	6.61	-168.4	
Sample looked very clear.										

Sample Start Time: 3:50 PM **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		8 oz Plastic NON METALS - BROMIDE	
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: 16:20	Depth to Water DTW (ft): 12.25	Volume Pumped (gallons): ~3	VOC - PID Rdng (mg/L): Well: 0 Tote: 0

STRATIS

GROUNDWATER MONITORING WELL SAMPLING
PENNSYLVANIA AVE. LANDFILL

Cloudy
67°F, BP: 30.16,
Wind: 7 SE

Date: 6/9/10 **Well ID:** HP-318 **Sampler:** MOG & RK

VOC (PID Rdng): 0 mg/L	Depth to Water (ft): 15.05	Pump Start Time: 8:15

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)
8:17	15.05	100	16	375	16.78	1.018	5.26	6.71	-27.2	17.7
8:20	14.94	100	26	231	17.06	1.078	3.90	6.68	-34.7	15.7
8:23	14.94	100	25	240	17.35	1.177	3.26	6.68	-49.2	13.0
8:27	14.94	100	24	250	17.43	1.312	2.81	6.68	-65.0	11.2
8:30	14.94	100	24	250	17.53	1.384	2.42	6.68	-73.7	10.22
8:33	14.93	100	25	240	17.58	1.459	2.06	6.68	-78.9	9.19
8:36	14.93	100	25	240	17.66	1.539	1.87	6.67	-83.4	8.06
8:40	14.93	100	25	240	17.67	1.565	1.53	6.67	-85.9	7.75
8:43	14.93	100	25	240	17.70	1.623	1.36	6.66	-94.6	7.00
8:46	14.93	100	27	222	17.81	1.679	1.21	6.65	-99.7	6.26
8:49	14.93	100	28	214	17.88	1.715	1.10	6.66	-110.6	6.02
8:52	14.93	100	27	222	17.97	1.748	1.03	6.67	-120.0	4.92
8:55	14.92	100	29	207	18.00	1.796	0.97	6.66	-130.7	5.01
8:58	14.92	100	25	240	17.99	1.808	0.83	6.66	-134.0	4.43
9:10	14.92				17.82	1.938	0.66	6.64	-145.4	
9:15	14.92				17.86	1.920	0.58	6.64	-147.2	3.91
9:20					17.82	1.920	0.58	6.64	-152.6	3.05
9:25					17.84	1.935	0.54	6.64	-160.9	

Sample Start Time: 9:00 **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 ☐	8 oz Plastic NON METALS - BROMIDE ☐
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: 9:31	Depth to Water DTW (ft): 14.92	Volume Pumped (gallons): ~4	VOC - PID Rdng (mg/L): Well: 0 Tote: 0

High tide at 6:21 AM

STRATIS GROUNDWATER MONITORING WELL SAMPLING

PENNSYLVANIA AVE. LANDFILL

Cloudy,
67°F, BP: 30.15,
Wind: 8 SE,

Date: 6/9/10 **Well ID:** HP-407-D **Sampler:** MOG & RK

VOC (PID Rdng): 0 mg/L	Depth to Water (ft): 10.01	Pump Start Time: 9:52

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)
9:55	10.02	100	35	171	18.73	26.70	4.69	6.66	-110.6	7.85
9:58	10.03	100	27	222	18.35	26.68	3.16	6.66	-129.2	6.16
10:01	10.04	100	30	200	18.11	26.52	2.42	6.65	-145.5	5.15
10:04	10.06	100	25	240	18.11	26.59	2.08	6.66	-150.9	3.76
10:07	10.07	100	30	200	18.15	26.64	1.74	6.67	-150.2	3.92
10:10	10.08	100	32	188	18.14	26.64	1.48	6.67	-151.8	3.73
10:13	10.10	100	29	207	18.00	26.57	1.16	6.68	-153.9	3.72
10:30					18.11	26.29	0.58	6.64	-156.3	2.32
10:35					18.20	26.31	0.54	6.64	-158.7	

Sample Start Time: 10:15 **Sampling Pumping Rate:** 210 (Not to exceed 250 mL/min)

8 oz Plastic [HNO3] METALS	X	32 oz Plastic NON METALS	X	16 oz Plastic NON METALS		8 oz Plastic NON METALS - BROMIDE	
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: 10:44	Depth to Water DTW (ft): 10.20	Volume Pumped (gallons): ~2	VOC - PID Rdng (mg/L): Well: 0 Tote: 0

STRATIS

GROUNDWATER MONITORING WELL SAMPLING
PENNSYLVANIA AVE. LANDFILL

Cloudy,
66°F, BP: 30.09,
Wind: 12 South

Date: 6/9/10 **Well ID:** HP-407-S **Sampler:** MOG & RK

VOC (PID Rdng): 0 mg/L	Depth to Water (ft): 10.14	Pump Start Time: 11:51

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)
11:55	10.14	100	21	286	17.43	20.55	2.54	6.95	-147.0	1.51
11:58	10.14	100	31	194	17.47	20.97	2.01	6.80	-163.4	0.74
12:01	10.15	100	30	200	17.51	21.20	1.82	6.74	-150.3	0.79
12:04	10.15	100	28	214	17.49	21.23	1.82	6.73	-147.1	0.46
12:09	10.15	100	28	214	17.61	21.28	1.73	6.73	-143.5	0.23
12:30	10.17				17.74	21.28	0.76	6.77	-149.8	

Sample Start Time: 12:10 **Sampling Pumping Rate:** 214 (Not to exceed 250 mL/min)

8 oz Plastic [HNO3] METALS	X	32 oz Plastic NON METALS	X	16 oz Plastic NON METALS		8 oz Plastic NON METALS - BROMIDE	
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	X

Sample Finish Time: 12:48	Depth to Water DTW (ft): 10.15	Volume Pumped (gallons): ~1	VOC - PID Rdng (mg/L): Well: 0 Tote: 0

STRATIS

GROUNDWATER MONITORING WELL SAMPLING
PENNSYLVANIA AVE. LANDFILL

Cloudy,
66°F, BP: 30.13,
Wind: 10 SSE,

Date: 6/9/10 **Well ID:** HP-407-U **Sampler:** MOG & RK

VOC (PID Rdng): 0 mg/L	Depth to Water (ft): 8.95	Pump Start Time: 10:48

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)
10:53	8.93	100	31	194	16.37	3.824	4.05	7.05	-260.0	2.07
10:56	8.93	100	26	231	16.64	3.925	2.84	7.04	-268.8	1.98
10:59	8.94	100	30	200	16.87	3.970	1.56	7.03	-274.5	2.02
11:02	8.94	100	26	231	17.05	3.909	1.08	7.04	-276.2	1.74
11:05	8.94	100	26	231	16.95	3.971	0.80	7.04	-277.0	1.87
11:09	8.96	100	30	200	16.95	3.709	0.71	7.03	-276.5	1.93
11:12	8.97	100	33	182	16.97	3.713	0.62	7.03	-276.9	1.97
11:15		100	29	207						
11:25					17.08	3.398	0.45	7.03	-274.4	
11:35	8.94				17.09	3.365	0.41	7.03	-271.9	

Sample Start Time: 11:15 **Sampling Pumping Rate:** 210 (Not to exceed 250 mL/min)

8 oz Plastic [HNO3] METALS	X	32 oz Plastic NON METALS	X	16 oz Plastic NON METALS		8 oz Plastic NON METALS - BROMIDE	
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: 11:46	Depth to Water DTW (ft): 8.95	Volume Pumped (gallons): ~2.5	VOC - PID Rdng (mg/L): Well: 0 Tote: 0

STRATIS

GROUNDWATER MONITORING WELL SAMPLING
PENNSYLVANIA AVE. LANDFILL

Mostly sunny, 75°F, BP: 29.83, Wind: 14 NW

Date: 6/7/10 **Well ID:** HP-603 **Sampler:** MOG & RK

VOC (PID Rdng): 0 mg/L	Depth to Water (ft): 10.12	Pump Start Time: 12:32

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)
12:38	10.12	100	27	222	15.98	0.778	3.77	6.48	-18.0	70.4
12:41	10.12	100	23	261	15.27	0.952	2.87	6.44	-40.5	43.8
12:45	10.12	100	39	154	15.35	0.956	2.02	6.39	-54.4	35.1
12:48	10.12	100	23	261	15.41	0.969	1.80	6.43	-68.7	30.9
12:51	10.13	100	39	154	15.95	0.996	1.53	6.43	-84.9	24.4
12:54	10.13	100	26	231	15.06	0.987	1.29	6.49	-114.9	18.9
12:57	10.13	100	28	214	15.08	0.984	1.16	6.47	-122.7	18.0
13:00	10.13	100	27	222	15.33	0.996	1.10	6.47	-132.8	14.6
13:03	10.13	100	31	194	15.49	0.991	0.96	6.50	-142.0	13.5
13:06	10.13	100	30	200	15.30	0.984	0.91	6.56	-155.8	11.6
13:10	10.13	100	24	250	14.92	0.987	0.87	6.57	-163.8	9.72
13:13	10.12	100	40	150	15.28	0.999	0.84	6.68	-165.0	7.34
13:16	10.13	100	26	231	15.29	1.027	0.80	6.62	-163.7	6.63
13:19	10.13	100	26	231	15.54	1.040	0.72	6.72	-184.0	5.83
13:22	10.13	100	26	231	15.27	1.041	0.66	6.65	-186.0	5.45
13:25	10.13	100	26	231	14.76	1.030	0.69	6.69	-188.2	5.55
13:29	10.13	100	32	188	14.81	1.008	0.61	6.63	-187.7	4.74
13:33	10.13	100	28	214	14.91	1.017	0.56	6.65	-189.9	3.40
13:37	10.13	100	26	231	14.90	1.025	0.56	6.66	-191.6	
13:50	10.13				14.98	1.034	0.48	6.69	-199.1	2.02

Sample Start Time: 13:40 **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 ☐	8 oz Plastic NON METALS - BROMIDE ☐
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: 14:09	Depth to Water DTW (ft): 10.13	Volume Pumped (gallons): ~4.5	VOC - PID Rdng (mg/L): Well: 0 Tote: 0

Pennsylvania Avenue Landfill

Groundwater Monitoring
Summary of Laboratory Results

Second Quarter 2010

Pennsylvania Avenue Landfill - Groundwater Monitoring Summary of Results - Second Quarter 2010

Wells Screened in the Saturated Zone Above the Tidal Marsh Deposit

ANALYTE	UNITS	6/8/10 102565.07 HP-101-U		6/9/10 102565.11 HP-407-U		6/7/10 102565.03 HP-104-A		6/9/10 102565.13 HP-318		6/7/10 102565.02 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
1,2 Dichloroethane	ug/L	<	1	<	1	<	1	<	1	<	1
1,2 Dichloroethene	ug/L	<	2	<	2	<	2	<	2	<	2
1,2 Dichloropropane	ug/L	<	1	<	1	<	1	<	1	<	1
111 Trichloroethane	ug/L	<	1	<	1	<	1	<	1	<	1
112 Trichloroethane	ug/L	<	1	<	1	<	1	<	1	<	1
1122Tetrachloroethane	ug/L	<	1	<	1	<	1	<	1	<	1
2-Butanone	ug/L	<	10	<	10	<	10	<	10	<	10
2-Hexanone	ug/L	<	10	<	10	<	10	<	10	<	10
4-Methyl-2-Pentanone	ug/L	<	10	<	10	<	10	<	10	<	10
Acetone	ug/L		R		R		R		R		R
Benzene	ug/L	<	1		2	<	1	<	1	<	1
Bromodichloromethane	ug/L	<	1	<	1	<	1	<	1	<	1
Bromoform	ug/L	<	1	<	1	<	1	<	1	<	1
Bromomethane	ug/L	<	1	<	1	<	1	<	1	<	1
c-1,3Dichloropropene	ug/L	<	1	<	1	<	1	<	1	<	1
Carbon disulfide	ug/L	<	1	<	1	<	1	<	1	<	1
Carbon Tetrachloride	ug/L	<	1	<	1	<	1	<	1	<	1
Chlorobenzene	ug/L		7		4		3		9		2
Chlorodibromomethane	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
Ethyl Benzene	ug/L	<	1	<	1	<	1	<	1	<	1
m + p Xylene	ug/L	<	2	<	2	<	2	<	2	<	2
Methylene Chloride	ug/L	<	1	<	1	<	1	<	1	<	1
o Xylene	ug/L	<	1	<	1	<	1	<	1	<	1
Styrene	ug/L	<	1	<	1	<	1	<	1	<	1
t-1,3Dichloropropene	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
Vinyl Chloride	ug/L	<	1	<	1	<	1	<	1	<	1
Xylene	ug/L	<	3	<	3	<	3	<	3	<	3

Wells Screened in the Saturated Zone Above the Tidal Marsh Deposit

ANALYTE	UNITS	6/8/10 102565.07 HP-101-U		6/9/10 102565.11 HP-407-U		6/7/10 102565.03 HP-104-A		6/9/10 102565.13 HP-318		6/7/10 102565.02 HP-603	
Semi-Volatile Organic Carbons											
1,2 Dichlorobenzene(sv)	ug/L	<	1		R	<	1	<	1	<	1
1,3 Dichlorobenzene(sv)	ug/L	<	1		R	<	1	<	1	<	1
1,4 Dichlorobenzene(sv)	ug/L	<	1		R	<	1	<	1	<	1
124-Trichlorobenzene (sv)	ug/L	<	1		R	<	1	<	1	<	1
2,4-Dinitrotoluene	ug/L	<	1		R	<	1	<	1	<	1
2,6-Dinitrotoluene	ug/L	<	1		R	<	1	<	1	<	1
2-Chloronaphthalene	ug/L	<	1		R	<	1	<	1	<	1
2-Methylnaphthalene	ug/L	<	1		R	<	1	<	1	<	1
2-Nitroaniline	ug/L	<	1		R	<	1	<	1	<	1
3,3'-Dichlorobenzidine	ug/L	<	10		R	<	10	<	10	<	10
3-Nitroaniline	ug/L	<	1		R	<	1	<	1	<	1
4-Bromophenyl phenyl ether	ug/L	<	1		R	<	1	<	1	<	1
4-Chloroaniline	ug/L	<	1		R	<	1	<	1	<	1
4-Chlorophenyl phenyl ether	ug/L	<	1		R	<	1	<	1	<	1
4-Nitroaniline	ug/L	<	1		R	<	1	<	1	<	1
Acenaphthene	ug/L	<	1		R	<	1		8.2	<	1
Acenaphthylene	ug/L	<	1		R	<	1	<	1	<	1
Anthracene	ug/L	<	1		R	<	1	<	1	<	1
Benzo(a)anthracene	ug/L	<	1		R	<	1	<	1	<	1
Benzo(a)pyrene	ug/L	<	1		R	<	1	<	1	<	1
Benzo(b)fluoranthene	ug/L	<	1		R	<	1	<	1	<	1
Benzo(ghi)perylene	ug/L	<	1		R	<	1	<	1	<	1
Benzo(k)fluoranthene	ug/L	<	1		R	<	1	<	1	<	1
BenzylButylPhthalate	ug/L	<	1		R	<	1	<	1	<	1
Bis(2-chloroethoxy)methane	ug/L	<	1		R	<	1	<	1	<	1
Bis(2-chloroethyl)ether	ug/L	<	1		R	<	1	<	1	<	1
Bis(2-chloroisopropyl)ether	ug/L	<	1		R	<	1	<	1	<	1
Bis(2-ethylhexyl)phthalate	ug/L	<	1.5 (u)		R	<	2.1 (u)	<	1.1 (u)	<	1.2 (u)
Carbazole	ug/L	<	1		R	<	1	<	1	<	1
Chrysene	ug/L	<	1		R	<	1	<	1	<	1
Di-n-Butyl Phthalate	ug/L	<	1		R	<	1	<	1	<	1
Di-n-octyl Phthalate	ug/L	<	1		R	<	1	<	1	<	1
Dibenzo(a,h)anthracene	ug/L	<	1		R	<	1	<	1	<	1
Dibenzofuran	ug/L	<	1		R	<	1		2.9	<	1
Diethyl Phthalate	ug/L	<	1		R	<	1	<	1	<	1
Dimethyl Phthalate	ug/L	<	1		R	<	1	<	1	<	1
Fluoranthene	ug/L	<	1		R	<	1	<	1	<	1
Fluorene	ug/L	<	1		R	<	1		1.5	<	1

Wells Screened in the Saturated Zone Above the Tidal Marsh Deposit

ANALYTE	UNITS	6/8/10 102565.07 HP-101-U		6/9/10 102565.11 HP-407-U		6/7/10 102565.03 HP-104-A		6/9/10 102565.13 HP-318		6/7/10 102565.02 HP-603	
Semi-Volatile Organic Carbons (cont.)											
Hexachlorobenzene	ug/L	<	1		R	<	1	<	1	<	1
Hexachlorobutadiene	ug/L	<	1		R	<	1	<	1	<	1
Hexachlorocyclopentadiene	ug/L	<	10		R	<	10	<	10	<	10
Hexachloroethane	ug/L	<	1		R	<	1	<	1	<	1
Indeno(1,2,3-cd)pyrene	ug/L	<	1		R	<	1	<	1	<	1
Isophorone	ug/L	<	1		R	<	1	<	1	<	1
N-Nitrosodi-n-propylamine	ug/L	<	1		R	<	1	<	1	<	1
N-Nitrosodiphenylamine	ug/L	<	1		R	<	1	<	1	<	1
Naphthalene(sv)	ug/L	<	1		R	<	1	<	1	<	1
Nitrobenzene	ug/L	<	1		R	<	1	<	1	<	1
Phenanthrene	ug/L	<	1		R	<	1	<	1	<	1
Pyrene	ug/L	<	1		R	<	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
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

Wells Screened in the Saturated Zone Above the Tidal Marsh Deposit

ANALYTE	UNITS	6/8/10 102565.07 HP-101-U		6/9/10 102565.11 HP-407-U		6/7/10 102565.03 HP-104-A		6/9/10 102565.13 HP-318		6/7/10 102565.02 HP-603	
Semi-Volatile Organic Carbons (cont.)											
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
Polychlorinated Biophenyls		**HP-101-U**		**HP-407-U**		**HP-104-A**		**HP-318**		**HP-603**	
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

Wells Screened in the Saturated Zone
Above the Tidal Marsh Deposit

ANALYTE	UNITS	6/8/10 102565.07 HP-101-U		6/9/10 102565.11 HP-407-U		6/7/10 102565.03 HP-104-A		6/9/10 102565.13 HP-318		6/7/10 102565.02 HP-603	
Metals											
Aluminum as Al	mg/L	<	0.05	<	0.05	<	0.05	<	0.05	<	0.05
Antimony as Sb	mg/L	<	0.05	<	0.05	<	0.05	<	0.05	<	0.05
Arsenic as As	mg/L	<	0.025	<	0.025	<	0.025	<	0.025	<	0.025
Barium as Ba	mg/L		0.1		0.91		0.22		0.032		0.037
Beryllium as Be	mg/L	<	0.005	<	0.001	<	0.005	<	0.005	<	0.005
Cadmium as Cd	mg/L	<	0.025	<	0.025	<	0.025	<	0.025	<	0.025
Calcium as Ca	mg/L		120		100		190		91		150
Chromium as Cr	mg/L	<	0.025	<	0.025	<	0.025	<	0.025	<	0.025
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
Hardness as $CaCO_3$	mg/L		390		720		660		350		470
Iron as Fe	mg/L		24		1.4		2		5.6		6.3
Lead as Pb	mg/L	<	0.025	<	0.025	<	0.025	<	0.025	<	0.025
Magnesium as Mg	mg/L		23		110		45		29		24
Manganese as Mn	mg/L		0.59		0.4		0.61		0.18		0.44
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		20		61		16		29		9.5
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		610		310		68		240		63
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		0.14	<	0.05	<	0.05	<	0.05	<	0.05
Leachate Indicator Parameters											
Alkalinity tot $CaCO_3$	mg/L		500		1400		650		130		200
Ammonia as N	mg/L		7.4		90		4		21		2.2
Chloride as Cl	mg/L		1100		370		84		430		76
Cyanide as CN	mg/L	<	0.02	<	0.02	<	0.02	<	0.02	<	0.02
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 SO_4	mg/L		110		30		63		20		290
Tot Dissolved Solids	mg/L		2200		1800		930		1100		800
Tot. Kjeldahl N.	mg/L		8.4		94		5.4		22		2.8

Pennsylvania Avenue Landfill - Groundwater Monitoring
Summary of Laboratory Results - Second Quarter 2010

Wells Screened in the Upper Glacial Aquifer

		Upper Portion				Lower Portion					
		6/8/10		6/9/10		6/8/10		6/7/10		6/9/10	
		102565.08		102565.12		102565.04		102565.01		102565.10	
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
1,2 Dichloroethane	ug/L	<	1	<	1	<	1	<	1	<	1
1,2 Dichloroethene	ug/L	<	2	<	2	<	2	<	2	<	2
1,2 Dichloropropane	ug/L	<	1	<	1	<	1	<	1	<	1
111 Trichloroethane	ug/L	<	1	<	1	<	1	<	1	<	1
112 Trichloroethane	ug/L	<	1	<	1	<	1	<	1	<	1
1122Tetrachloroethane	ug/L	<	1	<	1	<	1	<	1	<	1
2-Butanone	ug/L	<	10	<	10	<	10	<	10	<	10
2-Hexanone	ug/L	<	10	<	10	<	10	<	10	<	10
4-Methyl-2-Pentanone	ug/L	<	10	<	10	<	10	<	10	<	10
Acetone	ug/L		R		R		R		R		R
Benzene	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	<	1	<	1	<	1	<	1
c-1,3Dichloropropene	ug/L	<	1	<	1	<	1	<	1	<	1
Carbon disulfide	ug/L	<	1	<	1	<	1	<	1	<	1
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
Chloroethane	ug/L	<	1	<	1	<	1	<	1	<	1
Chloroform	ug/L	<	1	<	1	<	1	<	1	<	1
Chloromethane	ug/L	<	1	<	1	<	1	<	1	<	1
Ethyl Benzene	ug/L	<	1	<	1	<	1	<	1	<	1
m + p Xylene	ug/L	<	2	<	2	<	2	<	2	<	2
Methylene Chloride	ug/L	<	1	<	1	<	1	<	1	<	1
o Xylene	ug/L	<	1	<	1	<	1	<	1	<	1
Styrene	ug/L	<	1	<	1	<	1	<	1	<	1
t-1,3Dichloropropene	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
Vinyl Chloride	ug/L	<	1	<	1	<	1	<	1	<	1
Xylene	ug/L	<	3	<	3	<	3	<	3	<	3

Wells Screened in the Upper Glacial Aquifer

		Upper Portion				Lower Portion					
		6/8/10		6/9/10		6/8/10		6/7/10		6/9/10	
		102565.08		102565.12		102565.04		102565.01		102565.10	
ANALYTE	**UNITS**	**HP-101-S**		**HP-407-S**		**HP-101-D**		**HP-103-D**		**HP-407-D**	
Semi-Volatile Organic Carbons											
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	<	1.7 (u)	<	2.4 (u)	<	2.2 (u)	<	2.2 (u)	<	9.8 (u)
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
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
Fluoranthene	ug/L	<	1	<	1	<	1	<	1	<	1
Fluorene	ug/L	<	1	<	1	<	1	<	1	<	1

Wells Screened in the Upper Glacial Aquifer												
		Upper Portion				Lower Portion						
		6/8/10		6/9/10		6/8/10		6/7/10		6/9/10		
		102565.08		102565.12		102565.04		102565.01		102565.10		
ANALYTE	**UNITS**	**HP-101-S**		**HP-407-S**		**HP-101-D**		**HP-103-D**		**HP-407-D**		
Semi-Volatile Organic Carbons (cont.)												
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	<	1	<	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	<	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 (uj)	<	1	
2,4-Dimethylphenol	ug/L	<	1	<	1	<	1	<	1 (uj)	<	1	
2,4-Dinitrophenol	ug/L	<	10	<	10	<	10 (uj)	<	10 (uj)	<	10	
2-Chlorophenol	ug/L	<	1	<	1	<	1	<	1 (uj)	<	1	
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 (uj)	<	1	
4-Chloro-3-methylphenol	ug/L	<	1	<	1	<	1	<	1 (uj)	<	1	
4-Methylphenol (p-cresol)	ug/L	<	1	<	1	<	1	<	1 (uj)	<	1	
4-Nitrophenol	ug/L	<	10	<	10	<	10	<	10 (uj)	<	10	
Pentachlorophenol (ms)	ug/L	<	10	<	10	<	10	<	10 (uj)	<	10	
Phenol	ug/L	<	1	<	1	<	1	<	1 (uj)	<	1	
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	

Wells Screened in the Upper Glacial Aquifer														
		Upper Portion				Lower Portion								
		6/8/10		6/9/10		6/8/10		6/7/10		6/9/10				
		102565.08		102565.12		102565.04		102565.01		102565.10				
ANALYTE	**UNITS**	**HP-101-S**		**HP-407-S**		**HP-101-D**		**HP-103-D**		**HP-407-D**				
Semi-Volatile Organic Carbons (cont.)														
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			
Polychlorinated Biophenyls														
		HP-101-S		**HP-407-S**		**HP-101-D**		**HP-103-D**		**HP-407-D**				
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			

Wells Screened in the Upper Glacial Aquifer												
		Upper Portion				Lower Portion						
		6/8/10		6/9/10		6/8/10		6/7/10		6/9/10		
		102565.08		102565.12		102565.04		102565.01		102565.10		
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		0.1	<	0.05	
Antimony as Sb	mg/L	<	0.05	<	0.05	<	0.05	<	0.05	<	0.05	
Arsenic as As	mg/L	<	0.025	<	0.025	<	0.025	<	0.025	<	0.025	
Barium as Ba	mg/L		0.049		0.16		0.13		0.1		0.058	
Beryllium as Be	mg/L	<	0.005	<	0.025	<	0.005	<	0.005	<	0.005	
Cadmium as Cd	mg/L	<	0.025	<	0.025	<	0.025	<	0.025	<	0.025	
Calcium as Ca	mg/L		52		220		240		330		260	
Chromium as Cr	mg/L	<	0.025	<	0.025	<	0.025	<	0.025	<	0.025	
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	
Hardness as $CaCO_3$	mg/L		560		2500		2300		4700		3000	
Iron as Fe	mg/L		0.82		12		9.5		5.5		25	
Lead as Pb	mg/L	<	0.025	<	0.025	<	0.025	<	0.025	<	0.025	
Magnesium as Mg	mg/L		110		480		420		940		580	
Manganese as Mn	mg/L		0.05		0.52		0.28		1.4		0.87	
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		87		240		240		400		280	
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		1600		3800		13000		8200		4800	
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 $CaCO_3$	mg/L		840		800		730		210		240	
Ammonia as N	mg/L		4.6		10		15		5.4		2	
Chloride as Cl	mg/L		2800		8100		26000		17000		10000	
Cyanide as CN	mg/L	<	0.02	<	0.02	<	0.02	<	0.02	<	0.02	
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 SO_4	mg/L		13		750		1000		2100		1300	
Tot Dissolved Solids	mg/L		4900		14000		40000		29000		18000	
Tot. Kjeldahl N.	mg/L		5.6		12		16		6		2.8	

Pennsylvania Avenue Landfill - Groundwater Monitoring
Summary of Laborary Results - QA/QC Samples - Second Quarter 2010

		6/8/10	6/8/10	6/8/10	6/9/10	
		102565.09	102565.05	102565.06	102565.14	102565.15
		HP-101-U	**HP-101-D**	**HP-101-D**	**Field**	
ANALYTE	**UNITS**	**Blind Dup.**	**MS**	**MSD**	**Blank**	**Trip Blank**
Volatile Organic Carbons						
1,1 Dichloroethane	ug/L	< 1	23	22	< 1	< 1
1,1 Dichloroethene	ug/L	< 1	22	22	< 1	< 1
1,2 Dichloroethane	ug/L	< 1	23	22	< 1	< 1
1,2 Dichloroethene	ug/L	< 2	47	46	< 2	< 2
1,2 Dichloropropane	ug/L	< 1	22	22	< 1	< 1
111 Trichloroethane	ug/L	< 1	23	22	< 1	< 1
112 Trichloroethane	ug/L	< 1	22	22	< 1	< 1
1122Tetrachloroethane	ug/L	< 1	20	20	< 1	< 1
2-Butanone	ug/L	< 10	120	120	< 10	< 10
2-Hexanone	ug/L	< 10	100	110	< 10	< 10
4-Methyl-2-Pentanone	ug/L	< 10	120	120	< 10	< 10
Acetone	ug/L	R	110	110	R	R
Benzene	ug/L	< 1	23	21	< 1	< 1
Bromodichloromethane	ug/L	< 1	22	22	< 1	< 1
Bromoform	ug/L	< 1	20	20	< 1	< 1
Bromomethane	ug/L	< 1	20	21	< 1	< 1
c-1,3Dichloropropene	ug/L	< 1	21	20	< 1	< 1
Carbon disulfide	ug/L	< 1	22	21	< 1	< 1
Carbon Tetrachloride	ug/L	< 1	22	21	< 1	< 1
Chlorobenzene	ug/L	7	20	19	< 1	< 1
Chlorodibromomethane	ug/L	< 1	21	21	< 1	< 1
Chloroethane	ug/L	< 1	22	21	< 1	< 1
Chloroform	ug/L	< 1	24	23	< 1	< 1
Chloromethane	ug/L	< 1	20	20	< 1	< 1
Ethyl Benzene	ug/L	< 1	20	19	< 1	< 1
m + p Xylene	ug/L	< 2	39	37	< 2	< 2
Methylene Chloride	ug/L	< 1	23	22	< 1	< 1
o Xylene	ug/L	< 1	20	18	< 1	< 1
Styrene	ug/L	< 1	19	19	< 1	< 1
t-1,3Dichloropropene	ug/L	< 1	21	21	< 1	< 1
Tetrachloroethene	ug/L	< 1	20	18	< 1	< 1
Toluene	ug/L	< 1	22	21	< 1	< 1
Trichloroethene	ug/L	< 1	22	21	< 1	< 1
Vinyl Chloride	ug/L	< 1	21	21	< 1	< 1
Xylene	ug/L	< 3	59	55	< 3	< 3

Pennsylvania Avenue Landfill - Groundwater Monitoring
Summary of Laborary Results - QA/QC Samples - Second Quarter 2010

		6/8/10	6/8/10	6/8/10	6/9/10	
		102565.09	102565.05	102565.06	102565.14	102565.15
		HP-101-U	**HP-101-D**	**HP-101-D**	**Field**	
ANALYTE	**UNITS**	**Blind Dup.**	**MS**	**MSD**	**Blank**	**Trip Blank**
Semi-Volatile Organic Carbons						
1,2 Dichlorobenzene(sv)	ug/L	< 1	< 1	< 1	< 1	
1,3 Dichlorobenzene(sv)	ug/L	< 1	< 1	< 1	< 1	
1,4 Dichlorobenzene(sv)	ug/L	< 1	< 1	< 1	< 1	
124-Trichlorobenzene (sv)	ug/L	< 1	< 1	< 1	< 1	
2,4-Dinitrotoluene	ug/L	< 1	< 1	< 1	< 1	
2,6-Dinitrotoluene	ug/L	< 1	< 1	< 1	< 1	
2-Chloronaphthalene	ug/L	< 1	< 1	< 1	< 1	
2-Methylnaphthalene	ug/L	< 1	< 1	< 1	< 1	
2-Nitroaniline	ug/L	< 1	< 1	< 1	< 1	
3,3'-Dichlorobenzidine	ug/L	< 10	< 10	< 10	< 10	
3-Nitroaniline	ug/L	< 1	< 1	< 1	< 1	
4-Bromophenyl phenyl ether	ug/L	< 1	< 1	< 1	< 1	
4-Chloroaniline	ug/L	< 1	< 1	< 1	< 1	
4-Chlorophenyl phenyl ether	ug/L	< 1	< 1	< 1	< 1	
4-Nitroaniline	ug/L	< 1	< 1	< 1	< 1	
Acenaphthene	ug/L	< 1	< 1	< 1	< 1	
Acenaphthylene	ug/L	< 1	< 1	< 1	< 1	
Anthracene	ug/L	< 1	< 1	< 1	< 1	
Benzo(a)anthracene	ug/L	< 1	< 1	< 1	< 1	
Benzo(a)pyrene	ug/L	< 1	< 1	< 1	< 1	
Benzo(b)fluoranthene	ug/L	< 1	< 1	< 1	< 1	
Benzo(ghi)perylene	ug/L	< 1	< 1	< 1	< 1	
Benzo(k)fluoranthene	ug/L	< 1	< 1	< 1	< 1	
BenzylButylPhthalate	ug/L	< 1	< 1	< 1	< 1	
Bis(2-chloroethoxy)methane	ug/L	< 1	< 1	< 1	< 1	
Bis(2-chloroethyl)ether	ug/L	< 1	< 1	< 1	< 1	
Bis(2-chloroisopropyl)ether	ug/L	< 1	< 1	< 1	< 1	
Bis(2-ethylhexyl)phthalate	ug/L	< 1 (u)	< 1	< 1	< 6.6 (u)	
Carbazole	ug/L	< 1	< 1	< 1	< 1	
Chrysene	ug/L	< 1	< 1	< 1	< 1	
Di-n-Butyl Phthalate	ug/L	< 1	< 1	< 1	< 1	
Di-n-octyl Phthalate	ug/L	< 1	< 1	< 1	< 1	
Dibenzo(a,h)anthracene	ug/L	< 1	< 1	< 1	< 1	
Dibenzofuran	ug/L	< 1	< 1	< 1	< 1	
Diethyl Phthalate	ug/L	< 1	< 1	< 1	< 1	
Dimethyl Phthalate	ug/L	< 1	< 1	< 1	< 1	
Fluoranthene	ug/L	< 1	< 1	< 1	< 1	
Fluorene	ug/L	< 1	< 1	< 1	< 1	

Pennsylvania Avenue Landfill - Groundwater Monitoring
Summary of Laborary Results - QA/QC Samples - Second Quarter 2010

		6/8/10		6/8/10		6/8/10		6/9/10		
		102565.09		102565.05		102565.06		102565.14		102565.15
		HP-101-U		**HP-101-D**		**HP-101-D**		**Field**		
ANALYTE	**UNITS**	**Blind Dup.**		**MS**		**MSD**		**Blank**		**Trip Blank**
Semi-Volatile Organic Carbons (cont.)										
Hexachlorobenzene	ug/L	<	1	<	1	<	1	<	1	
Hexachlorobutadiene	ug/L	<	1	<	1	<	1	<	1	
Hexachlorocyclopentadiene	ug/L	<	10	<	10	<	10	<	10	
Hexachloroethane	ug/L	<	1	<	1	<	1	<	1	
Indeno(1,2,3-cd)pyrene	ug/L	<	1	<	1	<	1	<	1	
Isophorone	ug/L	<	1	<	1	<	1	<	1	
N-Nitrosodi-n-propylamine	ug/L	<	1	<	1	<	1	<	1	
N-Nitrosodiphenylamine	ug/L	<	1	<	1	<	1	<	1	
Naphthalene(sv)	ug/L	<	1	<	1	<	1	<	1	
Nitrobenzene	ug/L	<	1	<	1	<	1	<	1	
Phenanthrene	ug/L	<	1	<	1	<	1	<	1	
Pyrene	ug/L	<	1	<	1	<	1	<	1	
2,4,5-Trichlorophenol	ug/L	<	1		36		39	<	1	
2,4,6-Trichlorophenol	ug/L	<	1		36		38	<	1	
2,4-Dichlorophenol	ug/L	<	1		32		34	<	1	
2,4-Dimethylphenol	ug/L	<	1		50		53	<	1	
2,4-Dinitrophenol	ug/L	<	10		36		39	<	10	
2-Chlorophenol	ug/L	<	1		27		30	<	1	
2-Methyl-4,6-dinitrophenol	ug/L	<	10		36		39	<	10	
2-Methylphenol (o-cresol)	ug/L	<	1		23		26	<	1	
2-Nitrophenol	ug/L	<	1		29		33	<	1	
4-Chloro-3-methylphenol	ug/L	<	1		29		31	<	1	
4-Methylphenol (p-cresol)	ug/L	<	1		20		21	<	1	
4-Nitrophenol	ug/L	<	10		8.1		8.4	<	10	
Pentachlorophenol (ms)	ug/L	<	10		41		45	<	10	
Phenol	ug/L	<	1		6.4		6.9	<	1	
a BHC	ug/L	<	0.05		0.89		0.91	<	0.05	
Aldrin	ug/L	<	0.05		0.87		0.89	<	0.05	
b BHC	ug/L	<	0.05		0.9		0.92	<	0.05	
Chlordane	ug/L	<	0.2	<	0.2	<	0.2	<	0.2	
d BHC	ug/L	<	0.05		1.1		1.2	<	0.05	
Dieldrin	ug/L	<	0.05		0.96		0.98	<	0.05	
Endosulfan 1	ug/L	<	0.1		0.94		0.94	<	0.1	
Endosulfan 2	ug/L	<	0.1		0.94		0.94	<	0.1	
Endosulfan Sulfate	ug/L	<	0.3		0.98		0.96	<	0.3	
Endrin	ug/L	<	0.05		1.1		1.1	<	0.05	
Endrin Aldehyde	ug/L	<	0.3		0.88		0.89	<	0.3	
Endrin Ketone	ug/L	<	0.1	<	0.1	<	0.1	<	0.1	

Pennsylvania Avenue Landfill - Groundwater Monitoring
Summary of Laborary Results - QA/QC Samples - Second Quarter 2010

		6/8/10	6/8/10	6/8/10	6/9/10	
		102565.09	102565.05	102565.06	102565.14	102565.15
ANALYTE	**UNITS**	**HP-101-U Blind Dup.**	**HP-101-D MS**	**HP-101-D MSD**	**Field Blank**	**Trip Blank**
Semi-Volatile Organic Carbons (cont.)						
Heptachlor	ug/L	< 0.05	0.7	0.75	< 0.05	
Heptachlor Epoxide	ug/L	< 0.05	0.93	0.96	< 0.05	
Lindane	ug/L	< 0.05	0.91	0.95	< 0.05	
Methoxychlor	ug/L	< 0.1	0.98	1	< 0.1	
p,p-DDD	ug/L	< 0.05	1.3	1.2	< 0.05	
p,p-DDE	ug/L	< 0.05	0.82	0.81	< 0.05	
p,p-DDT	ug/L	< 0.1	0.76	0.75	< 0.1	
Toxaphene	ug/L	< 1	< 1	< 1	< 1	
Polychlorinated Biophenyls		**HP-101-U Blind Dup.**	**HP-101-D MS**	**HP-101-D MSD**	**Field Blank**	**Trip Blank**
Aroclor 1016	ug/L	< 0.065	0.12	0.11	< 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	< 0.065	< 0.065	< 0.065	

Pennsylvania Avenue Landfill - Groundwater Monitoring
Summary of Laborary Results - QA/QC Samples - Second Quarter 2010

			6/8/10		6/8/10		6/8/10		6/9/10		
			102565.09		102565.05		102565.06		102565.14		102565.15
ANALYTE	**UNITS**		**HP-101-U Blind Dup.**		**HP-101-D MS**		**HP-101-D MSD**		**Field Blank**		**Trip Blank**
Metals											
Aluminum as Al	mg/L	<	0.05		23		23	<	0.01		
Antimony as Sb	mg/L	<	0.05		0.25		0.25	<	0.01		
Arsenic as As	mg/L	<	0.025		0.43		0.42	<	0.005		
Barium as Ba	mg/L		0.1		0.53		0.53	<	0.005		
Beryllium as Be	mg/L	<	0.005		0.4		0.4	<	0.001		
Cadmium as Cd	mg/L	<	0.025		0.38		0.38	<	0.005		
Calcium as Ca	mg/L		120		270		260	<	0.2		
Chromium as Cr	mg/L	<	0.025		0.39		0.39	<	0.005		
Cobalt as Co	mg/L	<	0.025		0.37		0.37	<	0.005		
Copper as Cu	mg/L	<	0.05		0.44		0.44	<	0.01		
Hardness as $CaCO_3$	mg/L		390					<	0.52		
Iron as Fe	mg/L		24		30		30		0.05		
Lead as Pb	mg/L	<	0.025		0.36		0.36	<	0.005		
Magnesium as Mg	mg/L		22		440		440		0.008		
Manganese as Mn	mg/L		0.59		0.67		0.67	<	0.01		
Mercury as Hg	mg/L	<	0.001		0.004		0.004	<	0.001		
Nickel as Ni	mg/L	<	0.05		0.37		0.37	<	0.01		
Potassium as K	mg/L		19		260		260	<	1		
Selenium as Se	mg/L	<	0.05		0.39		0.39	<	0.01		
Silver as Ag	mg/L	<	0.025		0.08		0.08	<	0.005		
Sodium as Na	mg/L		590		13000		13000	<	1		
Thallium as Tl	mg/L	<	0.025		0.31		0.34	<	0.005		
Vanadium as V	mg/L	<	0.025		0.4		0.4	<	0.005		
Zinc as Zn	mg/L		0.13		0.44		0.44	<	0.01		
Leachate Indicator Parameters											
Alkalinity tot $CaCO_3$	mg/L		500						2		
Ammonia as N	mg/L		7.6		26		25	<	0.2		
Chloride as Cl	mg/L		1100		35000		35000		3		
Cyanide as CN	mg/L	<	0.02		0.22		0.21	<	0.02		
Nitrate as N	mg/L	<	0.5		1.5		1.5	<	0.5		
Phenols as Phenol	mg/L	<	0.001		0.032		0.033	<	0.001		
Sulfate as SO_4	mg/L		100		2000		2000	<	5		
Tot Dissolved Solids	mg/L		2200						39		
Tot. Kjeldahl N.	mg/L		8.4		36		34	<	0.2		

Pennsylvania Avenue Landfill

Groundwater Monitoring
Data Usability Summary Report

Second Quarter 2010

EDS File
Penn & Fountain

ENVIRONMENTAL
Data Services, Inc.

August 31, 2010

Mr. Keith Robinson
Stratis Contracting Corp.
7 Corporate Drive
Peekskill, New York 10566

Re: Transmittal of Data Usability Summary Report for the Pennsylvania Avenue Landfill, SDG 102565

Dear Mr. Robinson:

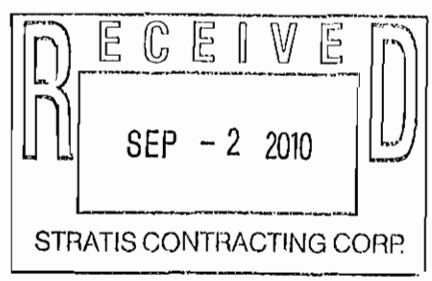
Environmental Data Services, Inc. (EDS) is pleased to submit the Data Usability Summary Report with attached annotated Form Is for the above referenced SDG.

Please contact me at (757) 564-0090 or via email at nweaver@env-data.com if you have any questions.

Sincerely,
Environmental Data Services, Inc.

Nancy Weaver
Senior Chemist

Enclosed



1156 Jamestown Road, Suite A • Williamsburg, Virginia 23185 • Telephone: **757-564-0090** • Fax: **757-564-0086** • www.env-data.com

ENVIRONMENTAL
Data Services, Inc.

DATA USABILITY SUMMARY REPORT
PENNSYLVANIA AVENUE LANDFILL, NEW YORK

Client: Stratis Contracting Corporation, Peekskill, New York
SDG: 102565
Laboratory: EcoTest Laboratories, Inc., North Babylon, New York
Site: Pennsylvania Avenue Landfill, New York
Date: August 27, 2010

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	HP-103-D	102565-01	Water
2	HP-603	102565-02	Water
3	HP-104-A	102565-03	Water
4	HP-101-D	102565-04	Water
5MS	HP-101-DMS	102565-05MS	Water
6MSD	HP-101-DMSD	102565-06MSD	Water
7	HP-101-U	102565-07	Water
8	HP-101-S	102565-08	Water
9	BLIND DUP	102565-09	Water
10	HP-407-D	102565-10	Water
11	HP-407-U	102565-11	Water
12	HP-407-S	102565-12	Water
13	HP-318	102565-13	Water
14	FIELD BLANK	102565-14	Water
15	TRIP BLANK	102565-15	Water

A Data Usability Summary Review was performed on the analytical data for eleven water samples, one water trip blank sample, and one water field blank sample collected June 7-9, 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
SVOCs	USEPA SW-846 Method 8270C
Pesticides/PCB	USEPA Method 608
Metals	USEPA Method 200.7
Mercury	USEPA Method 245.2
Wet Chemistry	USEPA Methods - various

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, October 2006: Validating Volatile Organic Compounds by SW-846 Method 8260B;
- SOP Number HW-22, Revision 3, October 2006: 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 several rejections of data. This data cannot be used in the decision-making process for this project.

- Acetone was rejected in all samples due to a low ICAL RRF value.
- All base/neutral compounds in one sample were qualified (J/R) due to severely low % recovery values.

Overall the data is acceptable for the intended purposes as qualified for the following deficiencies.

- All acid compounds were qualified as estimated in one sample due to a laboratory error in not spiking with the acid spiking solution.
- Bis(2-ethylhexyl)phthalate was qualified as nondetected in twelve samples due to field blank contamination.
- One SVOC compound was qualified as estimated in one sample due to a high %RSD value.

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 sample exhibited acceptable recoveries except the following.

LCS ID	Compound	%R	Qualifier	Affected Samples
LCS	Carbon disulfide	140%	None	All ND

Method Blank

- The method blanks were free of contamination.

Field Blank

- Field QC samples are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
TRIP BLANK	None- ND	-	-	-	-
FIELD BLANK	None- ND	-	-	-	-

GC/MS Tuning

- All criteria were met.

Initial Calibration

- The initial calibrations exhibited acceptable %RSD and mean RRF values except the following.

ICAL Date	Compound	%RSD/RRF	Qualifier	Affected Samples
06/09/10	Acetone	0.049 RRF	J/R	All samples

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-101-U ug/L	BLIND DUP ug/L	RPD	Qualifier
Chlorobenzene	7	7	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

- All samples exhibited acceptable surrogate recoveries except the following.

Sample ID	Surrogate	%R	Qualifier
1	S4=2-Fluorophenol	0% (not spiked)	J/UJ- Acids (All compounds)
	S5=Phenol-d6	0% (not spiked)	
	S6=2,4,6-Tribromophenol	0% (not spiked)	
11	S1=Nitrobenzene-d5	8%	J/R- Base/neutrals (All compounds)
	S2=2-Fluorobiphenyl	10%	
	S3=Terphenyl-d14	11%	

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).

MS/MSD Sample ID	Compound	MS/MSD %R/RPD	Qualifier
HP-101-D	3,3'-Dichlorobenzidene	*/*/* (not spiked)	None
HP-101-D	All base/neutrals	*/*/* (not spiked)	None

Laboratory Control Samples

- The LCS samples exhibited acceptable recoveries.

LCS ID	Compound	%R	Qualifier	Affected Samples
LCS	2,4-Dimethylphenol	104%	None	All ND

Method Blank

- The method blanks were free of contamination.

Field Blank

- Field QC samples are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
FIELD BLANK	Bis(2-ethylhexyl)phthalate	6.6	66	U	1-4, 7-14

GC/MS Tuning

- All criteria were met.

Initial Calibration

- The initial calibrations exhibited acceptable %RSD and mean RRF values except the following.

ICAL Date	Compound	%RSD/RRF	Qualifier	Affected Samples
06/14/10	2,4-Dinitrophenol	34.81%	J/UJ	4

Continuing Calibration

- The continuing calibrations exhibited acceptable %D and RRF values.

Compound Quantitation

- No discrepancies were identified.

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.

SVOC				
Compound	HP-101-U ug/L	BLIND DUP ug/L	RPD	Qualifier
None	ND	ND	-	-

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

- All samples exhibited acceptable surrogate recoveries.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- The MS/MSD samples exhibited acceptable %R and RPD values.

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 samples 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.

Pest/PCBs				
Compound	HP-101-U ug/L	BLIND DUP ug/L	RPD	Qualifier
None	ND	ND	-	-

GC Column Difference Results

- All criteria were met.

Metals/Wet Chemistry

Holding Times

- All samples were prepared and analyzed within 14 days for cyanide, 28 days for mercury, 180 days for all other metals, and the recommended holding times for all wet chemistry analyses.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- The MS/MSD sample exhibited acceptable %R and RPD values.

Laboratory Control Samples

- The LCS sample exhibited acceptable recoveries.

Method Blank

- The following table presents compounds detected in the method blanks. Concentrations of contaminants in associated samples less than ten (10) times the concentration in the associated method blank are considered to be attributable to lab 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
MBLK	Alkalinity	200	NA	None	None for common wet chemistry parameters
	Chloride	3000	NA	None	

Field Blank

- Field QC samples are summarized below.

Blank ID	Compound	Conc. mg/L	Action Level mg/L	Qualifier	Affected Samples
FIELD BLANK	Iron	0.05	0.25	None	All >5X
	Magnesium	0.008	0.04	None	All >5X
	Chloride	3	15	None	None for common wet chemistry parameters
	TDS	39	195	None	
	Alkalinity	2	10	None	

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.

Total Metals				
Compound	HP-101-U mg/L	BLIND DUP mg/L	RPD	Qualifier
Barium	0.1	0.1	0%	None
Calcium	120	120	0%	None
Iron	24	24	0%	None
Magnesium	23	22	4%	None
Manganese	0.59	0.59	0%	None
Potassium	20	19	5%	None
Sodium	610	590	3%	None
Zinc	0.14	0.13	7%	None
Hardness as $CaCO_3$	390	390	0%	None

Wet Chemistry				
Compound	HP-101-U mg/L	BLIND DUP mg/L	RPD	Qualifier
Ammonia	7.4	7.6	3%	None
Chloride	1100	1100	0%	None
Sulfate	110	100	10%	None
Total Dissolved Solids	2200	2200	0%	None
Total Kjeldahl N.	8.4	8.4	0%	None
Alkalinity total $CaCO_3$	500	500	0%	None

Package Summary:

Please contact the undersigned at (757) 564-0090 if you have any questions or need further information.

Signed: Nancy Weaver Dated: 8/31/10

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.

Pennsylvania Avenue Landfill

Groundwater Monitoring Laboratory Reports (Validated)

Second Quarter 2010

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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

LAB NO.102565.01 06/23/10

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:06/07/10 RECEIVED:06/09/10
TIME COL'D:1140

MATRIX:Water SAMPLE: HP-103-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chloromethane	ug/L	< 1		061010	1	EPA8260
Bromomethane	ug/L	< 1		061010	1	EPA8260
Vinyl Chloride	ug/L	< 1		061010	1	EPA8260
Chloroethane	ug/L	< 1		061010	1	EPA8260
Methylene Chloride	ug/L	< 1		061010	1	EPA8260
Acetone	ug/L	< 10	R	061010	10	EPA8260
Carbon disulfide	ug/L	< 1		061010	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		061010	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		061010	1	EPA8260
1,2 Dichloroethene	ug/L	< 2		061010	2	EPA8260
Chloroform	ug/L	< 1		061010	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		061010	1	EPA8260
2-Butanone	ug/L	< 10		061010	10	EPA8260
111 Trichloroethane	ug/L	< 1		061010	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		061010	1	EPA8260
Bromodichloromethane	ug/L	< 1		061010	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		061010	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		061010	1	EPA8260
Trichloroethene	ug/L	< 1		061010	1	EPA8260
Chlorodibromomethane	ug/L	< 1		061010	1	EPA8260
112 Trichloroethane	ug/L	< 1		061010	1	EPA8260
Benzene	ug/L	< 1		061010	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		061010	1	EPA8260
Bromoform	ug/L	< 1		061010	1	EPA8260
4-Methyl-2-Pentanone	ug/L	< 10		061010	10	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

8/27/10 DIRECTOR

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MATRIX:Water SAMPLE: HP-103-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2-Hexanone	ug/L	< 10		061010	10	EPA8260
Tetrachloroethene	ug/L	< 1		061010	1	EPA8260
Toluene	ug/L	< 1		061010	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		061010	1	EPA8260
Chlorobenzene	ug/L	< 1		061010	1	EPA8260
Ethyl Benzene	ug/L	< 1		061010	1	EPA8260
Styrene	ug/L	< 1		061010	1	EPA8260
o Xylene	ug/L	< 1		061010	1	EPA8260
m + p Xylene	ug/L	< 2		061010	2	EPA8260
Xylene	ug/L	< 3		061010	3	EPA8260

cc:

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REMARKS:

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MATRIX:Water SAMPLE: HP-103-D

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Bis(2-chloroethyl)ether	ug/L	< 1		061510	1	EPA8270
1,3 Dichlorobenzene(sv)	ug/L	< 1		061510	1	EPA8270
1,4 Dichlorobenzene(sv)	ug/L	< 1		061510	1	EPA8270
Carbazole	ug/L	< 1		061510	1	EPA8270
1,2 Dichlorobenzene(sv)	ug/L	< 1		061510	1	EPA8270
Bis(2-chloroisopropyl)ether	ug/L	< 1		061510	1	EPA8270
N-Nitrosodi-n-propylamine	ug/L	< 1		061510	1	EPA8270
Hexachloroethane	ug/L	< 1		061510	1	EPA8270
Nitrobenzene	ug/L	< 1		061510	1	EPA8270
Isophorone	ug/L	< 1		061510	1	EPA8270
Bis(2-chloroethoxy)methane	ug/L	< 1		061510	1	EPA8270
124-Trichlorobenzene (sv)	ug/L	< 1		061510	1	EPA8270
Naphthalene(sv)	ug/L	< 1		061510	1	EPA8270
4-Chloroaniline	ug/L	< 1		061510	1	EPA8270
Hexachlorobutadiene	ug/L	< 1		061510	1	EPA8270
2-Methylnaphthalene	ug/L	< 1		061510	1	EPA8270
Hexachlorocyclopentadiene	ug/L	< 10		061510	10	EPA8270
2-Chloronaphthalene	ug/L	< 1		061510	1	EPA8270
2-Nitroaniline	ug/L	< 1		061510	1	EPA8270
Dimethyl Phthalate	ug/L	< 1		061510	1	EPA8270
Acenaphthylene	ug/L	< 1		061510	1	EPA8270
2,6-Dinitrotoluene	ug/L	< 1		061510	1	EPA8270
3-Nitroaniline	ug/L	< 1		061510	1	EPA8270
Acenaphthene	ug/L	< 1		061510	1	EPA8270
Dibenzofuran	ug/L	< 1		061510	1	EPA8270

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REMARKS:

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2,4-Dinitrotoluene	ug/L	< 1		061510	1	EPA8270
Diethyl Phthalate	ug/L	< 1		061510	1	EPA8270
4-Chlorophenyl phenyl ether	ug/L	< 1		061510	1	EPA8270
Fluorene	ug/L	< 1		061510	1	EPA8270
4-Nitroaniline	ug/L	< 1		061510	1	EPA8270
N-Nitrosodiphenylamine	ug/L	< 1		061510	1	EPA8270
4-Bromophenyl phenyl ether	ug/L	< 1		061510	1	EPA8270
Hexachlorobenzene	ug/L	< 1		061510	1	EPA8270
Phenanthrene	ug/L	< 1		061510	1	EPA8270
Anthracene	ug/L	< 1		061510	1	EPA8270
Di-n-Butyl Phthalate	ug/L	< 1		061510	1	EPA8270
Fluoranthene	ug/L	< 1		061510	1	EPA8270
Pyrene	ug/L	< 1		061510	1	EPA8270
BenzylButylPhthalate	ug/L	< 1		061510	1	EPA8270
3,3'-Dichlorobenzidine	ug/L	< 10		061510	10	EPA8270
Benzo(a)anthracene	ug/L	< 1		061510	1	EPA8270

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ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/L	< 1		061510	1	EPA8270
Bis(2-ethylhexyl)phthalate	ug/L	2.2	W	061510	1	EPA8270
Di-n-octyl Phthalate	ug/L	< 1		061510	1	EPA8270
Benzo(b)fluoranthene	ug/L	< 1		061510	1	EPA8270
Benzo(k)fluoranthene	ug/L	< 1		061510	1	EPA8270
Benzo(a)pyrene	ug/L	< 1		061510	1	EPA8270
Indeno(1,2,3-cd)pyrene	ug/L	< 1		061510	1	EPA8270
Dibenzo(a,h)anthracene	ug/L	< 1		061510	1	EPA8270
Benzo(ghi)perylene	ug/L	< 1		061510	1	EPA8270

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MATRIX:Water SAMPLE: HP-103-D

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Phenol	ug/L	< 1 UJ		061510	1	EPA8270
2-Chlorophenol	ug/L	< 1		061510	1	EPA8270
2-Methylphenol (o-cresol)	ug/L	< 1		061510	1	EPA8270
4-Methylphenol (p-cresol)	ug/L	< 1		061510	1	EPA8270
2-Nitrophenol	ug/L	< 1		061510	1	EPA8270
2,4-Dimethylphenol	ug/L	< 1		061510	1	EPA8270
2,4-Dichlorophenol	ug/L	< 1		061510	1	EPA8270
4-Chloro-3-methylphenol	ug/L	< 1		061510	1	EPA8270
2,4,6-Trichlorophenol	ug/L	< 1		061510	1	EPA8270
2,4,5-Trichlorophenol	ug/L	< 1		061510	1	EPA8270
2,4-Dinitrophenol	ug/L	< 10		061510	10	EPA8270
4-Nitrophenol	ug/L	< 10		061510	10	EPA8270
2-Methyl-4,6-dinitrophenol	ug/L	< 10		061510	10	EPA8270
Pentachlorophenol (ms)	ug/L	< 10		061510	10	EPA8270

cc:

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REMARKS: *No acid surrogate added to sample.

8/27/10 DIRECTOR

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MATRIX:Water SAMPLE: HP-103-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/L	< 0.05		061510	0.05	EPA608
Heptachlor	ug/L	< 0.05		061510	0.05	EPA608
Aldrin	ug/L	< 0.05		061510	0.05	EPA608
Heptachlor Epoxide	ug/L	< 0.05		061510	0.05	EPA608
p,p-DDE	ug/L	< 0.05		061510	0.05	EPA608
Dieldrin	ug/L	< 0.05		061510	0.05	EPA608
Endrin	ug/L	< 0.05		061510	0.05	EPA608
p,p-DDD	ug/L	< 0.05		061510	0.05	EPA608
p,p-DDT	ug/L	< 0.1		061510	0.1	EPA608
Chlordane	ug/L	< 0.2		061510	0.2	EPA608
Toxaphene	ug/L	< 1		061510	1	EPA608
Endrin Ketone	ug/L	< 0.1		061510	0.1	EPA608
a BHC	ug/L	< 0.05		061510	0.05	EPA608
b BHC	ug/L	< 0.05		061510	0.05	EPA608
d BHC	ug/L	< 0.05		061510	0.05	EPA608
Endosulfan 1	ug/L	< 0.1		061510	0.1	EPA608

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REMARKS:

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Endosulfan 2	ug/L	< 0.1		061510	0.1	EPA608
Endosulfan Sulfate	ug/L	< 0.3		061510	0.3	EPA608
Methoxychlor	ug/L	< 0.1		061510	0.1	EPA608
Endrin Aldehyde	ug/L	< 0.3		061510	0.3	EPA608
Aroclor 1016	ug/L	< 0.065		061510	0.065	EPA608
Aroclor 1221	ug/L	< 0.065		061510	0.065	EPA608
Aroclor 1232	ug/L	< 0.065		061510	0.065	EPA608
Aroclor 1242	ug/L	< 0.065		061510	0.065	EPA608
Aroclor 1248	ug/L	< 0.065		061510	0.065	EPA608
Aroclor 1254	ug/L	< 0.065		061510	0.065	EPA608
Aroclor 1260	ug/L	< 0.065		061510	0.065	EPA608

cc:

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REMARKS:

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Aluminum as Al	mg/L	0.1		061610	0.05	EPA200.7
Antimony as Sb	mg/L	< 0.05		061610	0.05	EPA200.7
Arsenic as As	mg/L	< 0.025		061610	0.025	EPA200.7
Barium as Ba	mg/L	0.1		061610	0.025	EPA200.7
Beryllium as Be	mg/L	< 0.005		061610	0.005	EPA200.7
Cadmium as Cd	mg/L	< 0.025		061610	0.025	EPA200.7
Calcium as Ca	mg/L	330		061610	1	EPA200.7
Chromium as Cr	mg/L	< 0.025		061610	0.025	EPA200.7
Cobalt as Co	mg/L	< 0.025		061610	0.025	EPA200.7
Copper as Cu	mg/L	< 0.05		061610	0.05	EPA200.7
Iron as Fe	mg/L	5.5		061610	0.05	EPA200.7
Lead as Pb	mg/L	< 0.025		061610	0.025	EPA200.7
Magnesium as Mg	mg/L	940		061610	0.025	EPA200.7
Manganese as Mn	mg/L	1.4		061610	0.05	EPA200.7
Mercury as Hg	mg/L	< 0.001		061510	0.001	EPA245.2
Nickel as Ni	mg/L	< 0.05		061610	0.05	EPA200.7
Potassium as K	mg/L	400		061610	200	EPA200.7
Selenium as Se	mg/L	< 0.05		061610	0.05	EPA200.7
Silver as Ag	mg/L	< 0.025		061610	0.025	EPA200.7
Sodium as Na	mg/L	8200		061610	200	EPA200.7
Thallium as Tl	mg/L	< 0.025		061610	0.025	EPA200.7
Vanadium as V	mg/L	< 0.025		061610	0.025	EPA200.7
Zinc as Zn	mg/L	< 0.05		061610	0.05	EPA200.7
Hardness as CaCO3	mg/L	4700		061610	2.6	EPA200.7

cc:

LRL=Laboratory Reporting Limit

REMARKS:

8/27/10 DIRECTOR

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ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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

LAB NO.102565.01 06/23/10

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:06/07/10 RECEIVED:06/09/10
TIME COL'D:1140
MATRIX:Water SAMPLE: HP-103-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Cyanide as CN	mg/L	< 0.02		061410	0.02	EPA335.4
Ammonia as N	mg/L	5.4		061410	0.2	SM4500NH3C
Chloride as Cl	mg/L	17000		061010	400	204500C1B
Nitrate as N	mg/L	< 0.5		061010	0.5	EPA353.2
Sulfate as SO4	mg/L	2100		061110	250	AS D516-02
Tot Dissolved Solids	mg/L	29000		061510	100	2540C
Tot. Kjeldahl N.	mg/L	6.0		061510	0.2	SM4500NORGB
Alkalinity tot CaCo3	mg/L	210		061010	2	SM182320B
Phenols as Phenol	mg/L	< 0.001		061410	0.001	EPA420.1

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REMARKS:

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LAB NO.102565.02 06/23/10

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:06/07/10 RECEIVED:06/09/10
TIME COL'D:1340

MATRIX:Water SAMPLE: HP-603

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chloromethane	ug/L	< 1		061010	1	EPA8260
Bromomethane	ug/L	< 1		061010	1	EPA8260
Vinyl Chloride	ug/L	< 1		061010	1	EPA8260
Chloroethane	ug/L	< 1		061010	1	EPA8260
Methylene Chloride	ug/L	< 1		061010	1	EPA8260
Acetone	ug/L	< 10 R		061010	10	EPA8260
Carbon disulfide	ug/L	< 1		061010	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		061010	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		061010	1	EPA8260
1,2 Dichloroethene	ug/L	< 2		061010	2	EPA8260
Chloroform	ug/L	< 1		061010	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		061010	1	EPA8260
2-Butanone	ug/L	< 10		061010	10	EPA8260
111 Trichloroethane	ug/L	< 1		061010	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		061010	1	EPA8260
Bromodichloromethane	ug/L	< 1		061010	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		061010	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		061010	1	EPA8260
Trichloroethene	ug/L	< 1		061010	1	EPA8260
Chlorodibromomethane	ug/L	< 1		061010	1	EPA8260
112 Trichloroethane	ug/L	< 1		061010	1	EPA8260
Benzene	ug/L	< 1		061010	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		061010	1	EPA8260
Bromoform	ug/L	< 1		061010	1	EPA8260
4-Methyl-2-Pentanone	ug/L	< 10		061010	10	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

8/27/10 DIRECTOR

rn = 14586 NYSDOH ID # 10320 Page 1 of 10

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ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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LAB NO.102565.02 06/23/10

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:06/07/10 RECEIVED:06/09/10
TIME COL'D:1340
MATRIX:Water SAMPLE: HP-603

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2-Hexanone	ug/L	< 10		061010	10	EPA8260
Tetrachloroethene	ug/L	< 1		061010	1	EPA8260
Toluene	ug/L	< 1		061010	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		061010	1	EPA8260
Chlorobenzene	ug/L	2		061010	1	EPA8260
Ethyl Benzene	ug/L	< 1		061010	1	EPA8260
Styrene	ug/L	< 1		061010	1	EPA8260
o Xylene	ug/L	< 1		061010	1	EPA8260
m + p Xylene	ug/L	< 2		061010	2	EPA8260
Xylene	ug/L	< 3		061010	3	EPA8260

cc:

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REMARKS:

NW 8/27/10

DIRECTOR

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ATTN: Vincent G. Pelusio PO#:30-019

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MATRIX:Water SAMPLE: HP-603

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/L	< 1		061510	1	EPA8270
1,3 Dichlorobenzene(sv)	ug/L	< 1		061510	1	EPA8270
1,4 Dichlorobenzene(sv)	ug/L	< 1		061510	1	EPA8270
Carbazole	ug/L	< 1		061510	1	EPA8270
1,2 Dichlorobenzene(sv)	ug/L	< 1		061510	1	EPA8270
Bis(2-chloroisopropyl)ether	ug/L	< 1		061510	1	EPA8270
N-Nitrosodi-n-propylamine	ug/L	< 1		061510	1	EPA8270
Hexachloroethane	ug/L	< 1		061510	1	EPA8270
Nitrobenzene	ug/L	< 1		061510	1	EPA8270
Isophorone	ug/L	< 1		061510	1	EPA8270
Bis(2-chloroethoxy)methane	ug/L	< 1		061510	1	EPA8270
124-Trichlorobenzene (sv)	ug/L	< 1		061510	1	EPA8270
Naphthalene(sv)	ug/L	< 1		061510	1	EPA8270
4-Chloroaniline	ug/L	< 1		061510	1	EPA8270
Hexachlorobutadiene	ug/L	< 1		061510	1	EPA8270
2-Methylnaphthalene	ug/L	< 1		061510	1	EPA8270
Hexachlorocyclopentadiene	ug/L	< 10		061510	10	EPA8270
2-Chloronaphthalene	ug/L	< 1		061510	1	EPA8270
2-Nitroaniline	ug/L	< 1		061510	1	EPA8270
Dimethyl Phthalate	ug/L	< 1		061510	1	EPA8270
Acenaphthylene	ug/L	< 1		061510	1	EPA8270
2,6-Dinitrotoluene	ug/L	< 1		061510	1	EPA8270
3-Nitroaniline	ug/L	< 1		061510	1	EPA8270
Acenaphthene	ug/L	< 1		061510	1	EPA8270
Dibenzofuran	ug/L	< 1		061510	1	EPA8270

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LRL=Laboratory Reporting Limit

REMARKS:

KW 8/27/10
DIRECTOR

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LAB NO.102565.02 06/23/10

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:06/07/10 RECEIVED:06/09/10
TIME COL'D:1340
MATRIX:Water SAMPLE: HP-603

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/L	< 1		061510	1	EPA8270
Diethyl Phthalate	ug/L	< 1		061510	1	EPA8270
4-Chlorophenyl phenyl ether	ug/L	< 1		061510	1	EPA8270
Fluorene	ug/L	< 1		061510	1	EPA8270
4-Nitroaniline	ug/L	< 1		061510	1	EPA8270
N-Nitrosodiphenylamine	ug/L	< 1		061510	1	EPA8270
4-Bromophenyl phenyl ether	ug/L	< 1		061510	1	EPA8270
Hexachlorobenzene	ug/L	< 1		061510	1	EPA8270
Phenanthrene	ug/L	< 1		061510	1	EPA8270
Anthracene	ug/L	< 1		061510	1	EPA8270
Di-n-Butyl Phthalate	ug/L	< 1		061510	1	EPA8270
Fluoranthene	ug/L	< 1		061510	1	EPA8270
Pyrene	ug/L	< 1		061510	1	EPA8270
BenzylButylPhthalate	ug/L	< 1		061510	1	EPA8270
3,3'-Dichlorobenzidine	ug/L	< 10		061510	10	EPA8270
Benzo(a)anthracene	ug/L	< 1		061510	1	EPA8270

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REMARKS:

lw 8/27/10 DIRECTOR

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LAB NO.102565.02 06/23/10

Stratis Contracting Corp.
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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:06/07/10 RECEIVED:06/09/10
TIME COL'D:1340
MATRIX:Water SAMPLE: HP-603

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/L	< 1		061510	1	EPA8270
Bis(2-ethylhexyl)phthalate	ug/L	1.2	U	061510	1	EPA8270
Di-n-octyl Phthalate	ug/L	< 1		061510	1	EPA8270
Benzo(b)fluoranthene	ug/L	< 1		061510	1	EPA8270
Benzo(k)fluoranthene	ug/L	< 1		061510	1	EPA8270
Benzo(a)pyrene	ug/L	< 1		061510	1	EPA8270
Indeno(1,2,3-cd)pyrene	ug/L	< 1		061510	1	EPA8270
Dibenzo(a,h)anthracene	ug/L	< 1		061510	1	EPA8270
Benzo(ghi)perylene	ug/L	< 1		061510	1	EPA8270

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REMARKS:

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ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:06/07/10 RECEIVED:06/09/10
TIME COL'D:1340
MATRIX:Water SAMPLE: HP-603

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/L	< 1		061510	1	EPA8270
2-Chlorophenol	ug/L	< 1		061510	1	EPA8270
2-Methylphenol (o-cresol)	ug/L	< 1		061510	1	EPA8270
4-Methylphenol (p-cresol)	ug/L	< 1		061510	1	EPA8270
2-Nitrophenol	ug/L	< 1		061510	1	EPA8270
2,4-Dimethylphenol	ug/L	< 1		061510	1	EPA8270
2,4-Dichlorophenol	ug/L	< 1		061510	1	EPA8270
4-Chloro-3-methylphenol	ug/L	< 1		061510	1	EPA8270
2,4,6-Trichlorophenol	ug/L	< 1		061510	1	EPA8270
2,4,5-Trichlorophenol	ug/L	< 1		061510	1	EPA8270
2,4-Dinitrophenol	ug/L	< 10		061510	10	EPA8270
4-Nitrophenol	ug/L	< 10		061510	10	EPA8270
2-Methyl-4,6-dinitrophenol	ug/L	< 10		061510	10	EPA8270
Pentachlorophenol (ms)	ug/L	< 10		061510	10	EPA8270

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REMARKS:

8/27/10 DIRECTOR

rn = 14591 NYSDOH ID # 10320 Page 6 of 10

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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:06/07/10 RECEIVED:06/09/10
TIME COL'D:1340
MATRIX:Water SAMPLE: HP-603

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/L	< 0.05		061510	0.05	EPA608
Heptachlor	ug/L	< 0.05		061510	0.05	EPA608
Aldrin	ug/L	< 0.05		061510	0.05	EPA608
Heptachlor Epoxide	ug/L	< 0.05		061510	0.05	EPA608
p,p-DDE	ug/L	< 0.05		061510	0.05	EPA608
Dieldrin	ug/L	< 0.05		061510	0.05	EPA608
Endrin	ug/L	< 0.05		061510	0.05	EPA608
p,p-DDD	ug/L	< 0.05		061510	0.05	EPA608
p,p-DDT	ug/L	< 0.1		061510	0.1	EPA608
Chlordane	ug/L	< 0.2		061510	0.2	EPA608
Toxaphene	ug/L	< 1		061510	1	EPA608
Endrin Ketone	ug/L	< 0.1		061510	0.1	EPA608
a BHC	ug/L	< 0.05		061510	0.05	EPA608
b BHC	ug/L	< 0.05		061510	0.05	EPA608
d BHC	ug/L	< 0.05		061510	0.05	EPA608
Endosulfan 1	ug/L	< 0.1		061510	0.1	EPA608

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LAB NO.102565.02 06/23/10

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:06/07/10 RECEIVED:06/09/10
TIME COL'D:1340
MATRIX:Water SAMPLE: HP-603

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Endosulfan 2	ug/L	< 0.1		061510	0.1	EPA608
Endosulfan Sulfate	ug/L	< 0.3		061510	0.3	EPA608
Methoxychlor	ug/L	< 0.1		061510	0.1	EPA608
Endrin Aldehyde	ug/L	< 0.3		061510	0.3	EPA608
Aroclor 1016	ug/L	< 0.065		061510	0.065	EPA608
Aroclor 1221	ug/L	< 0.065		061510	0.065	EPA608
Aroclor 1232	ug/L	< 0.065		061510	0.065	EPA608
Aroclor 1242	ug/L	< 0.065		061510	0.065	EPA608
Aroclor 1248	ug/L	< 0.065		061510	0.065	EPA608
Aroclor 1254	ug/L	< 0.065		061510	0.065	EPA608
Aroclor 1260	ug/L	< 0.065		061510	0.065	EPA608

cc:

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REMARKS:

NW 8/27/10 DIRECTOR

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TIME COL'D:1340

MATRIX:Water SAMPLE: HP-603

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/L	< 0.05		061610	0.05	EPA200.7
Antimony as Sb	mg/L	< 0.05		061610	0.05	EPA200.7
Arsenic as As	mg/L	< 0.025		061610	0.025	EPA200.7
Barium as Ba	mg/L	0.037		061610	0.025	EPA200.7
Beryllium as Be	mg/L	< 0.005		061610	0.005	EPA200.7
Cadmium as Cd	mg/L	< 0.025		061610	0.025	EPA200.7
Calcium as Ca	mg/L	150		061610	1	EPA200.7
Chromium as Cr	mg/L	< 0.025		061610	0.025	EPA200.7
Cobalt as Co	mg/L	< 0.025		061610	0.025	EPA200.7
Copper as Cu	mg/L	< 0.05		061610	0.05	EPA200.7
Iron as Fe	mg/L	6.3		061610	0.05	EPA200.7
Lead as Pb	mg/L	< 0.025		061610	0.025	EPA200.7
Magnesium as Mg	mg/L	24		061610	0.025	EPA200.7
Manganese as Mn	mg/L	0.44		061610	0.05	EPA200.7
Mercury as Hg	mg/L	< 0.001		061510	0.001	EPA245.2
Nickel as Ni	mg/L	< 0.05		061610	0.05	EPA200.7
Potassium as K	mg/L	9.5		061610	5	EPA200.7
Selenium as Se	mg/L	< 0.05		061610	0.05	EPA200.7
Silver as Ag	mg/L	< 0.025		061610	0.025	EPA200.7
Sodium as Na	mg/L	63		061610	5	EPA200.7
Thallium as Tl	mg/L	< 0.025		061610	0.025	EPA200.7
Vanadium as V	mg/L	< 0.025		061610	0.025	EPA200.7
Zinc as Zn	mg/L	< 0.05		061610	0.05	EPA200.7
Hardness as CaCO3	mg/L	470		061610	2.6	EPA200.7

cc:

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REMARKS:

NW 8/27/10

DIRECTOR

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SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:06/07/10 RECEIVED:06/09/10
TIME COL'D:1340
MATRIX:Water SAMPLE: HP-603

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Cyanide as CN	mg/L	< 0.02		061410	0.02	EPA335.4
Ammonia as N	mg/L	2.2		061410	0.2	SM4500NH3C
Chloride as Cl	mg/L	76		061010	2	204500C1B
Nitrate as N	mg/L	< 0.5		061010	0.5	EPA353.2
Sulfate as SO4	mg/L	290		061110	50	AS D516-02
Tot Dissolved Solids	mg/L	800		061010	10	2540C
Tot. Kjeldahl N.	mg/L	2.8		061510	0.2	SM4500NORGB
Alkalinity tot CaCo3	mg/L	200		061010	2	SM182320B
Phenols as Phenol	mg/L	< 0.001		061410	0.001	EPA420.1

cc:

LRL=Laboratory Reporting Limit

REMARKS:

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ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*
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Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.102565.03 06/23/10

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:06/07/10 RECEIVED:06/09/10
TIME COL'D:1550
MATRIX:Water SAMPLE: HP-104-A

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chloromethane	ug/L	< 1		061010	1	EPA8260
Bromomethane	ug/L	< 1		061010	1	EPA8260
Vinyl Chloride	ug/L	< 1		061010	1	EPA8260
Chloroethane	ug/L	< 1		061010	1	EPA8260
Methylene Chloride	ug/L	< 1		061010	1	EPA8260
Acetone	ug/L	< 10	R	061010	10	EPA8260
Carbon disulfide	ug/L	< 1		061010	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		061010	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		061010	1	EPA8260
1,2 Dichloroethene	ug/L	< 2		061010	2	EPA8260
Chloroform	ug/L	< 1		061010	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		061010	1	EPA8260
2-Butanone	ug/L	< 10		061010	10	EPA8260
111 Trichloroethane	ug/L	< 1		061010	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		061010	1	EPA8260
Bromodichloromethane	ug/L	< 1		061010	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		061010	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		061010	1	EPA8260
Trichloroethene	ug/L	< 1		061010	1	EPA8260
Chlorodibromomethane	ug/L	< 1		061010	1	EPA8260
112 Trichloroethane	ug/L	< 1		061010	1	EPA8260
Benzene	ug/L	< 1		061010	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		061010	1	EPA8260
Bromoform	ug/L	< 1		061010	1	EPA8260
4-Methyl-2-Pentanone	ug/L	< 10		061010	10	EPA8260

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LRL=Laboratory Reporting Limit

REMARKS:

8/27/10 DIRECTOR

rn = 14596 NYSDOH ID # 10320 Page 1 of 10

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LAB NO.102565.03 06/23/10

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:06/07/10 RECEIVED:06/09/10
TIME COL'D:1550
MATRIX:Water SAMPLE: HP-104-A

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2-Hexanone	ug/L	< 10		061010	10	EPA8260
Tetrachloroethene	ug/L	< 1		061010	1	EPA8260
Toluene	ug/L	< 1		061010	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		061010	1	EPA8260
Chlorobenzene	ug/L	3		061010	1	EPA8260
Ethyl Benzene	ug/L	< 1		061010	1	EPA8260
Styrene	ug/L	< 1		061010	1	EPA8260
o Xylene	ug/L	< 1		061010	1	EPA8260
m + p Xylene	ug/L	< 2		061010	2	EPA8260
Xylene	ug/L	< 3		061010	3	EPA8260

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REMARKS:

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8/27/10 DIRECTOR

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LAB NO.102565.03 06/23/10

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:06/07/10 RECEIVED:06/09/10
TIME COL'D:1550
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		061510	1	EPA8270
1,3 Dichlorobenzene(sv)	ug/L	< 1		061510	1	EPA8270
1,4 Dichlorobenzene(sv)	ug/L	< 1		061510	1	EPA8270
Carbazole	ug/L	< 1		061510	1	EPA8270
1,2 Dichlorobenzene(sv)	ug/L	< 1		061510	1	EPA8270
Bis(2-chloroisopropyl)ether	ug/L	< 1		061510	1	EPA8270
N-Nitrosodi-n-propylamine	ug/L	< 1		061510	1	EPA8270
Hexachloroethane	ug/L	< 1		061510	1	EPA8270
Nitrobenzene	ug/L	< 1		061510	1	EPA8270
Isophorone	ug/L	< 1		061510	1	EPA8270
Bis(2-chloroethoxy)methane	ug/L	< 1		061510	1	EPA8270
124-Trichlorobenzene (sv)	ug/L	< 1		061510	1	EPA8270
Naphthalene(sv)	ug/L	< 1		061510	1	EPA8270
4-Chloroaniline	ug/L	< 1		061510	1	EPA8270
Hexachlorobutadiene	ug/L	< 1		061510	1	EPA8270
2-Methylnaphthalene	ug/L	< 1		061510	1	EPA8270
Hexachlorocyclopentadiene	ug/L	< 10		061510	10	EPA8270
2-Chloronaphthalene	ug/L	< 1		061510	1	EPA8270
2-Nitroaniline	ug/L	< 1		061510	1	EPA8270
Dimethyl Phthalate	ug/L	< 1		061510	1	EPA8270
Acenaphthylene	ug/L	< 1		061510	1	EPA8270
2,6-Dinitrotoluene	ug/L	< 1		061510	1	EPA8270
3-Nitroaniline	ug/L	< 1		061510	1	EPA8270
Acenaphthene	ug/L	< 1		061510	1	EPA8270
Dibenzofuran	ug/L	< 1		061510	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

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rn = 14598 NYSDOH ID # 10320 Page 3 of 10

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LAB NO.102565.03 06/23/10

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:06/07/10 RECEIVED:06/09/10
TIME COL'D:1550
MATRIX:Water SAMPLE: HP-104-A

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/L	< 1		061510	1	EPA8270
Diethyl Phthalate	ug/L	< 1		061510	1	EPA8270
4-Chlorophenyl phenyl ether	ug/L	< 1		061510	1	EPA8270
Fluorene	ug/L	< 1		061510	1	EPA8270
4-Nitroaniline	ug/L	< 1		061510	1	EPA8270
N-Nitrosodiphenylamine	ug/L	< 1		061510	1	EPA8270
4-Bromophenyl phenyl ether	ug/L	< 1		061510	1	EPA8270
Hexachlorobenzene	ug/L	< 1		061510	1	EPA8270
Phenanthrene	ug/L	< 1		061510	1	EPA8270
Anthracene	ug/L	< 1		061510	1	EPA8270
Di-n-Butyl Phthalate	ug/L	< 1		061510	1	EPA8270
Fluoranthene	ug/L	< 1		061510	1	EPA8270
Pyrene	ug/L	< 1		061510	1	EPA8270
BenzylButylPhthalate	ug/L	< 1		061510	1	EPA8270
3,3'-Dichlorobenzidine	ug/L	< 10		061510	10	EPA8270
Benzo(a)anthracene	ug/L	< 1		061510	1	EPA8270

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LRL=Laboratory Reporting Limit

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LAB NO.102565.03 06/23/10

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:06/07/10 RECEIVED:06/09/10
TIME COL'D:1550
MATRIX:Water SAMPLE: HP-104-A

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/L	< 1		061510	1	EPA8270
Bis(2-ethylhexyl)phthalate	ug/L	2.1	U	061510	1	EPA8270
Di-n-octyl Phthalate	ug/L	< 1		061510	1	EPA8270
Benzo(b)fluoranthene	ug/L	< 1		061510	1	EPA8270
Benzo(k)fluoranthene	ug/L	< 1		061510	1	EPA8270
Benzo(a)pyrene	ug/L	< 1		061510	1	EPA8270
Indeno(1,2,3-cd)pyrene	ug/L	< 1		061510	1	EPA8270
Dibenzo(a,h)anthracene	ug/L	< 1		061510	1	EPA8270
Benzo(ghi)perylene	ug/L	< 1		061510	1	EPA8270

cc:

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REMARKS:

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SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:06/07/10 RECEIVED:06/09/10
TIME COL'D:1550
MATRIX:Water SAMPLE: HP-104-A

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/L	< 1		061510	1	EPA8270
2-Chlorophenol	ug/L	< 1		061510	1	EPA8270
2-Methylphenol (o-cresol)	ug/L	< 1		061510	1	EPA8270
4-Methylphenol (p-cresol)	ug/L	< 1		061510	1	EPA8270
2-Nitrophenol	ug/L	< 1		061510	1	EPA8270
2,4-Dimethylphenol	ug/L	< 1		061510	1	EPA8270
2,4-Dichlorophenol	ug/L	< 1		061510	1	EPA8270
4-Chloro-3-methylphenol	ug/L	< 1		061510	1	EPA8270
2,4,6-Trichlorophenol	ug/L	< 1		061510	1	EPA8270
2,4,5-Trichlorophenol	ug/L	< 1		061510	1	EPA8270
2,4-Dinitrophenol	ug/L	< 10		061510	10	EPA8270
4-Nitrophenol	ug/L	< 10		061510	10	EPA8270
2-Methyl-4,6-dinitrophenol	ug/L	< 10		061510	10	EPA8270
Pentachlorophenol (ms)	ug/L	< 10		061510	10	EPA8270

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LRL=Laboratory Reporting Limit

REMARKS:

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DIRECTOR

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LAB NO.102565.03 06/23/10

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:06/07/10 RECEIVED:06/09/10
TIME COL'D:1550
MATRIX:Water SAMPLE: HP-104-A

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/L	< 0.05		061510	0.05	EPA608
Heptachlor	ug/L	< 0.05		061510	0.05	EPA608
Aldrin	ug/L	< 0.05		061510	0.05	EPA608
Heptachlor Epoxide	ug/L	< 0.05		061510	0.05	EPA608
p,p-DDE	ug/L	< 0.05		061510	0.05	EPA608
Dieldrin	ug/L	< 0.05		061510	0.05	EPA608
Endrin	ug/L	< 0.05		061510	0.05	EPA608
p,p-DDD	ug/L	< 0.05		061510	0.05	EPA608
p,p-DDT	ug/L	< 0.1		061510	0.1	EPA608
Chlordane	ug/L	< 0.2		061510	0.2	EPA608
Toxaphene	ug/L	< 1		061510	1	EPA608
Endrin Ketone	ug/L	< 0.1		061510	0.1	EPA608
a BHC	ug/L	< 0.05		061510	0.05	EPA608
b BHC	ug/L	< 0.05		061510	0.05	EPA608
d BHC	ug/L	< 0.05		061510	0.05	EPA608
Endosulfan 1	ug/L	< 0.1		061510	0.1	EPA608

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LAB NO.102565.03 06/23/10

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:06/07/10 RECEIVED:06/09/10
TIME COL'D:1550
MATRIX:Water SAMPLE: HP-104-A

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Endosulfan 2	ug/L	< 0.1		061510	0.1	EPA608
Endosulfan Sulfate	ug/L	< 0.3		061510	0.3	EPA608
Methoxychlor	ug/L	< 0.1		061510	0.1	EPA608
Endrin Aldehyde	ug/L	< 0.3		061510	0.3	EPA608
Aroclor 1016	ug/L	< 0.065		061510	0.065	EPA608
Aroclor 1221	ug/L	< 0.065		061510	0.065	EPA608
Aroclor 1232	ug/L	< 0.065		061510	0.065	EPA608
Aroclor 1242	ug/L	< 0.065		061510	0.065	EPA608
Aroclor 1248	ug/L	< 0.065		061510	0.065	EPA608
Aroclor 1254	ug/L	< 0.065		061510	0.065	EPA608
Aroclor 1260	ug/L	< 0.065		061510	0.065	EPA608

cc:

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REMARKS:

NW 9/27/10 DIRECTOR

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LAB NO.102565.03 06/23/10

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:06/07/10 RECEIVED:06/09/10
TIME COL'D:1550

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		061610	0.05	EPA200.7
Antimony as Sb	mg/L	< 0.05		061610	0.05	EPA200.7
Arsenic as As	mg/L	< 0.025		061610	0.025	EPA200.7
Barium as Ba	mg/L	0.22		061610	0.025	EPA200.7
Beryllium as Be	mg/L	< 0.005		061610	0.005	EPA200.7
Cadmium as Cd	mg/L	< 0.025		061610	0.025	EPA200.7
Calcium as Ca	mg/L	190		061610	1	EPA200.7
Chromium as Cr	mg/L	< 0.025		061610	0.025	EPA200.7
Cobalt as Co	mg/L	< 0.025		061610	0.025	EPA200.7
Copper as Cu	mg/L	< 0.05		061610	0.05	EPA200.7
Iron as Fe	mg/L	2.0		061610	0.05	EPA200.7
Lead as Pb	mg/L	< 0.025		061610	0.025	EPA200.7
Magnesium as Mg	mg/L	45		061610	0.025	EPA200.7
Manganese as Mn	mg/L	0.61		061610	0.05	EPA200.7
Mercury as Hg	mg/L	< 0.001		061510	0.001	EPA245.2
Nickel as Ni	mg/L	< 0.05		061610	0.05	EPA200.7
Potassium as K	mg/L	16		061610	5	EPA200.7
Selenium as Se	mg/L	< 0.05		061610	0.05	EPA200.7
Silver as Ag	mg/L	< 0.025		061610	0.025	EPA200.7
Sodium as Na	mg/L	68		061610	5	EPA200.7
Thallium as Tl	mg/L	< 0.025		061610	0.025	EPA200.7
Vanadium as V	mg/L	< 0.025		061610	0.025	EPA200.7
Zinc as Zn	mg/L	< 0.05		061610	0.05	EPA200.7
Hardness as CaCO3	mg/L	660		061610	2.6	EPA200.7

cc:

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REMARKS:

8/27/10 DIRECTOR

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rn = 14604 NYSDOH ID # 10320 Page 9 of 10

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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LAB NO.102565.03 06/23/10

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:06/07/10 RECEIVED:06/09/10
TIME COL'D:1550
MATRIX:Water SAMPLE: HP-104-A

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Cyanide as CN	mg/L	< 0.02		061410	0.02	EPA335.4
Ammonia as N	mg/L	4.0		061410	0.2	SM4500NH3C
Chloride as Cl	mg/L	84		061010	2	204500C1B
Nitrate as N	mg/L	< 0.5		061010	0.5	EPA353.2
Sulfate as SO4	mg/L	63		061110	12.5	AS D516-02
Tot Dissolved Solids	mg/L	930		061010	10	2540C
Tot. Kjeldahl N.	mg/L	5.4		061510	0.2	SM4500NORGB
Alkalinity tot CaCo3	mg/L	650		061010	10	SM182320B
Phenols as Phenol	mg/L	< 0.001		061410	0.001	EPA420.1

cc:

LRL=Laboratory Reporting Limit

REMARKS:

NW
8/27/10

DIRECTOR

rn = 14605 NYSDOH ID # 10320 Page 10 of 10

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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LAB NO.102565.04 06/23/10

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:06/08/10 RECEIVED:06/09/10
TIME COL'D:1010

MATRIX:Water SAMPLE: HP-101-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chloromethane	ug/L	< 1		061010	1	EPA8260
Bromomethane	ug/L	< 1		061010	1	EPA8260
Vinyl Chloride	ug/L	< 1		061010	1	EPA8260
Chloroethane	ug/L	< 1		061010	1	EPA8260
Methylene Chloride	ug/L	< 1		061010	1	EPA8260
Acetone	ug/L	< 10	R	061010	10	EPA8260
Carbon disulfide	ug/L	< 1		061010	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		061010	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		061010	1	EPA8260
1,2 Dichloroethene	ug/L	< 2		061010	2	EPA8260
Chloroform	ug/L	< 1		061010	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		061010	1	EPA8260
2-Butanone	ug/L	< 10		061010	10	EPA8260
111 Trichloroethane	ug/L	< 1		061010	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		061010	1	EPA8260
Bromodichloromethane	ug/L	< 1		061010	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		061010	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		061010	1	EPA8260
Trichloroethene	ug/L	< 1		061010	1	EPA8260
Chlorodibromomethane	ug/L	< 1		061010	1	EPA8260
112 Trichloroethane	ug/L	< 1		061010	1	EPA8260
Benzene	ug/L	< 1		061010	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		061010	1	EPA8260
Bromoform	ug/L	< 1		061010	1	EPA8260
4-Methyl-2-Pentanone	ug/L	< 10		061010	10	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

8/23/10 DIRECTOR

rn = 14606 NYSDOH ID # 10320 Page 1 of 10

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*
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Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.102565.04 06/23/10

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:06/08/10 RECEIVED:06/09/10
TIME COL'D:1010
MATRIX:Water SAMPLE: HP-101-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2-Hexanone	ug/L	< 10		061010	10	EPA8260
Tetrachloroethene	ug/L	< 1		061010	1	EPA8260
Toluene	ug/L	< 1		061010	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		061010	1	EPA8260
Chlorobenzene	ug/L	< 1		061010	1	EPA8260
Ethyl Benzene	ug/L	< 1		061010	1	EPA8260
Styrene	ug/L	< 1		061010	1	EPA8260
o Xylene	ug/L	< 1		061010	1	EPA8260
m + p Xylene	ug/L	< 2		061010	2	EPA8260
Xylene	ug/L	< 3		061010	3	EPA8260

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REMARKS:

NW 8/27/10 DIRECTOR

rn = 14607 NYSDOH ID # 10320 Page 2 of 10

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TIME COL'D:1010
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		061410	1	EPA8270
1,3 Dichlorobenzene(sv)	ug/L	< 1		061410	1	EPA8270
1,4 Dichlorobenzene(sv)	ug/L	< 1		061410	1	EPA8270
Carbazole	ug/L	< 1		061410	1	EPA8270
1,2 Dichlorobenzene(sv)	ug/L	< 1		061410	1	EPA8270
Bis(2-chloroisopropyl)ether	ug/L	< 1		061410	1	EPA8270
N-Nitrosodi-n-propylamine	ug/L	< 1		061410	1	EPA8270
Hexachloroethane	ug/L	< 1		061410	1	EPA8270
Nitrobenzene	ug/L	< 1		061410	1	EPA8270
Isophorone	ug/L	< 1		061410	1	EPA8270
Bis(2-chloroethoxy)methane	ug/L	< 1		061410	1	EPA8270
124-Trichlorobenzene (sv)	ug/L	< 1		061410	1	EPA8270
Naphthalene(sv)	ug/L	< 1		061410	1	EPA8270
4-Chloroaniline	ug/L	< 1		061410	1	EPA8270
Hexachlorobutadiene	ug/L	< 1		061410	1	EPA8270
2-Methylnaphthalene	ug/L	< 1		061410	1	EPA8270
Hexachlorocyclopentadiene	ug/L	< 10		061410	10	EPA8270
2-Chloronaphthalene	ug/L	< 1		061410	1	EPA8270
2-Nitroaniline	ug/L	< 1		061410	1	EPA8270
Dimethyl Phthalate	ug/L	< 1		061410	1	EPA8270
Acenaphthylene	ug/L	< 1		061410	1	EPA8270
2,6-Dinitrotoluene	ug/L	< 1		061410	1	EPA8270
3-Nitroaniline	ug/L	< 1		061410	1	EPA8270
Acenaphthene	ug/L	< 1		061410	1	EPA8270
Dibenzofuran	ug/L	< 1		061410	1	EPA8270

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LRL=Laboratory Reporting Limit

REMARKS:

NW 8/27/10 DIRECTOR

rn = 14608 NYSDOH ID # 10320 Page 3 of 10

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LAB NO.102565.04 06/23/10

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:06/08/10 RECEIVED:06/09/10
TIME COL'D:1010
MATRIX:Water SAMPLE: HP-101-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/L	< 1		061410	1	EPA8270
Diethyl Phthalate	ug/L	< 1		061410	1	EPA8270
4-Chlorophenyl phenyl ether	ug/L	< 1		061410	1	EPA8270
Fluorene	ug/L	< 1		061410	1	EPA8270
4-Nitroaniline	ug/L	< 1		061410	1	EPA8270
N-Nitrosodiphenylamine	ug/L	< 1		061410	1	EPA8270
4-Bromophenyl phenyl ether	ug/L	< 1		061410	1	EPA8270
Hexachlorobenzene	ug/L	< 1		061410	1	EPA8270
Phenanthrene	ug/L	< 1		061410	1	EPA8270
Anthracene	ug/L	< 1		061410	1	EPA8270
Di-n-Butyl Phthalate	ug/L	< 1		061410	1	EPA8270
Fluoranthene	ug/L	< 1		061410	1	EPA8270
Pyrene	ug/L	< 1		061410	1	EPA8270
BenzylButylPhthalate	ug/L	< 1		061410	1	EPA8270
3,3'-Dichlorobenzidine	ug/L	< 10		061410	10	EPA8270
Benzo(a)anthracene	ug/L	< 1		061410	1	EPA8270

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REMARKS:

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TIME COL'D:1010
MATRIX:Water SAMPLE: HP-101-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/L	< 1		061410	1	EPA8270
Bis(2-ethylhexyl)phthalate	ug/L	2.2	W	061410	1	EPA8270
Di-n-octyl Phthalate	ug/L	< 1		061410	1	EPA8270
Benzo(b)fluoranthene	ug/L	< 1		061410	1	EPA8270
Benzo(k)fluoranthene	ug/L	< 1		061410	1	EPA8270
Benzo(a)pyrene	ug/L	< 1		061410	1	EPA8270
Indeno(1,2,3-cd)pyrene	ug/L	< 1		061410	1	EPA8270
Dibenzo(a,h)anthracene	ug/L	< 1		061410	1	EPA8270
Benzo(ghi)perylene	ug/L	< 1		061410	1	EPA8270

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REMARKS:

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ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/L	< 1		061410	1	EPA8270
2-Chlorophenol	ug/L	< 1		061410	1	EPA8270
2-Methylphenol (o-cresol)	ug/L	< 1		061410	1	EPA8270
4-Methylphenol (p-cresol)	ug/L	< 1		061410	1	EPA8270
2-Nitrophenol	ug/L	< 1		061410	1	EPA8270
2,4-Dimethylphenol	ug/L	< 1		061410	1	EPA8270
2,4-Dichlorophenol	ug/L	< 1		061410	1	EPA8270
4-Chloro-3-methylphenol	ug/L	< 1		061410	1	EPA8270
2,4,6-Trichlorophenol	ug/L	< 1		061410	1	EPA8270
2,4,5-Trichlorophenol	ug/L	< 1		061410	1	EPA8270
2,4-Dinitrophenol	ug/L	< 10	UJ	061410	10	EPA8270
4-Nitrophenol	ug/L	< 10		061410	10	EPA8270
2-Methyl-4,6-dinitrophenol	ug/L	< 10		061410	10	EPA8270
Pentachlorophenol (ms)	ug/L	< 10		061410	10	EPA8270

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REMARKS:

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SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:06/08/10 RECEIVED:06/09/10
TIME COL'D:1010
MATRIX:Water SAMPLE: HP-101-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/L	< 0.05		061510	0.05	EPA608
Heptachlor	ug/L	< 0.05		061510	0.05	EPA608
Aldrin	ug/L	< 0.05		061510	0.05	EPA608
Heptachlor Epoxide	ug/L	< 0.05		061510	0.05	EPA608
p,p-DDE	ug/L	< 0.05		061510	0.05	EPA608
Dieldrin	ug/L	< 0.05		061510	0.05	EPA608
Endrin	ug/L	< 0.05		061510	0.05	EPA608
p,p-DDD	ug/L	< 0.05		061510	0.05	EPA608
p,p-DDT	ug/L	< 0.1		061510	0.1	EPA608
Chlordane	ug/L	< 0.2		061510	0.2	EPA608
Toxaphene	ug/L	< 1		061510	1	EPA608
Endrin Ketone	ug/L	< 0.1		061510	0.1	EPA608
a BHC	ug/L	< 0.05		061510	0.05	EPA608
b BHC	ug/L	< 0.05		061510	0.05	EPA608
d BHC	ug/L	< 0.05		061510	0.05	EPA608
Endosulfan 1	ug/L	< 0.1		061510	0.1	EPA608

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REMARKS:

8/27/10

DIRECTOR

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ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:06/08/10 RECEIVED:06/09/10
TIME COL'D:1010
MATRIX:Water SAMPLE: HP-101-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Endosulfan 2	ug/L	< 0.1		061510	0.1	EPA608
Endosulfan Sulfate	ug/L	< 0.3		061510	0.3	EPA608
Methoxychlor	ug/L	< 0.1		061510	0.1	EPA608
Endrin Aldehyde	ug/L	< 0.3		061510	0.3	EPA608
Aroclor 1016	ug/L	< 0.065		061510	0.065	EPA608
Aroclor 1221	ug/L	< 0.065		061510	0.065	EPA608
Aroclor 1232	ug/L	< 0.065		061510	0.065	EPA608
Aroclor 1242	ug/L	< 0.065		061510	0.065	EPA608
Aroclor 1248	ug/L	< 0.065		061510	0.065	EPA608
Aroclor 1254	ug/L	< 0.065		061510	0.065	EPA608
Aroclor 1260	ug/L	< 0.065		061510	0.065	EPA608

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REMARKS:

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TIME COL'D:1010

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		061610	0.05	EPA200.7
Antimony as Sb	mg/L	< 0.05		061610	0.05	EPA200.7
Arsenic as As	mg/L	< 0.025		061610	0.025	EPA200.7
Barium as Ba	mg/L	0.13		061610	0.025	EPA200.7
Beryllium as Be	mg/L	< 0.005		061610	0.005	EPA200.7
Cadmium as Cd	mg/L	< 0.025		061610	0.025	EPA200.7
Calcium as Ca	mg/L	240		061610	1	EPA200.7
Chromium as Cr	mg/L	< 0.025		061610	0.025	EPA200.7
Cobalt as Co	mg/L	< 0.025		061610	0.025	EPA200.7
Copper as Cu	mg/L	< 0.05		061610	0.05	EPA200.7
Iron as Fe	mg/L	9.5		061610	0.05	EPA200.7
Lead as Pb	mg/L	< 0.025		061610	0.025	EPA200.7
Magnesium as Mg	mg/L	420		061610	0.025	EPA200.7
Manganese as Mn	mg/L	0.28		061610	0.05	EPA200.7
Mercury as Hg	mg/L	< 0.001		061510	0.001	EPA245.2
Nickel as Ni	mg/L	< 0.05		061610	0.05	EPA200.7
Potassium as K	mg/L	240		061610	200	EPA200.7
Selenium as Se	mg/L	< 0.05		061610	0.05	EPA200.7
Silver as Ag	mg/L	< 0.025		061610	0.025	EPA200.7
Sodium as Na	mg/L	13000		061610	200	EPA200.7
Thallium as Tl	mg/L	< 0.025		061610	0.025	EPA200.7
Vanadium as V	mg/L	< 0.025		061610	0.025	EPA200.7
Zinc as Zn	mg/L	< 0.05		061610	0.05	EPA200.7
Hardness as CaCO3	mg/L	2300		061610	2.6	EPA200.7

cc:

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REMARKS:

RW 8/27/10 DIRECTOR

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7 Corporate Drive
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ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:06/08/10 RECEIVED:06/09/10
TIME COL'D:1010
MATRIX:Water SAMPLE: HP-101-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Cyanide as CN	mg/L	< 0.02		061410	0.02	EPA335.4
Ammonia as N	mg/L	15		061410	0.2	SM4500NH3C
Chloride as Cl	mg/L	26000		061010	400	204500C1B
Nitrate as N	mg/L	< 0.5		061010	0.5	EPA353.2
Sulfate as SO4	mg/L	1000		061110	250	AS D516-02
Tot Dissolved Solids	mg/L	40000		061510	100	2540C
Tot. Kjeldahl N.	mg/L	16		061510	0.2	SM4500NORGB
Alkalinity tot CaCo3	mg/L	730		061010	2	SM182320B
Phenols as Phenol	mg/L	< 0.001		061410	0.001	EPA420.1

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REMARKS:

8/27/10
DIRECTOR

rn = 14615 NYSDOH ID # 10320 Page 10 of 10

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
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LAB NO.102565.07 06/23/10

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:06/08/10 RECEIVED:06/09/10
TIME COL'D:1345
MATRIX:Water SAMPLE: HP-101-U

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chloromethane	ug/L	< 1		061010	1	EPA8260
Bromomethane	ug/L	< 1		061010	1	EPA8260
Vinyl Chloride	ug/L	< 1		061010	1	EPA8260
Chloroethane	ug/L	< 1		061010	1	EPA8260
Methylene Chloride	ug/L	< 1		061010	1	EPA8260
Acetone	ug/L	< 10	R	061010	10	EPA8260
Carbon disulfide	ug/L	< 1		061010	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		061010	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		061010	1	EPA8260
1,2 Dichloroethene	ug/L	< 2		061010	2	EPA8260
Chloroform	ug/L	< 1		061010	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		061010	1	EPA8260
2-Butanone	ug/L	< 10		061010	10	EPA8260
111 Trichloroethane	ug/L	< 1		061010	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		061010	1	EPA8260
Bromodichloromethane	ug/L	< 1		061010	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		061010	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		061010	1	EPA8260
Trichloroethene	ug/L	< 1		061010	1	EPA8260
Chlorodibromomethane	ug/L	< 1		061010	1	EPA8260
112 Trichloroethane	ug/L	< 1		061010	1	EPA8260
Benzene	ug/L	< 1		061010	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		061010	1	EPA8260
Bromoform	ug/L	< 1		061010	1	EPA8260
4-Methyl-2-Pentanone	ug/L	< 10		061010	10	EPA8260

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REMARKS:

lw
8/27/10

DIRECTOR

rn = 14636 NYSDOH ID # 10320 Page 1 of 10

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COLLECTED BY: Client DATE COL'D:06/08/10 RECEIVED:06/09/10
TIME COL'D:1345
MATRIX:Water SAMPLE: HP-101-U

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2-Hexanone	ug/L	< 10		061010	10	EPA8260
Tetrachloroethene	ug/L	< 1		061010	1	EPA8260
Toluene	ug/L	< 1		061010	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		061010	1	EPA8260
Chlorobenzene	ug/L	7		061010	1	EPA8260
Ethyl Benzene	ug/L	< 1		061010	1	EPA8260
Styrene	ug/L	< 1		061010	1	EPA8260
o Xylene	ug/L	< 1		061010	1	EPA8260
m + p Xylene	ug/L	< 2		061010	2	EPA8260
Xylene	ug/L	< 3		061010	3	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

8/27/10 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.102565.07 06/23/10

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:06/08/10 RECEIVED:06/09/10
TIME COL'D:1345
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		061510	1	EPA8270
1,3 Dichlorobenzene(sv)	ug/L	< 1		061510	1	EPA8270
1,4 Dichlorobenzene(sv)	ug/L	< 1		061510	1	EPA8270
Carbazole	ug/L	< 1		061510	1	EPA8270
1,2 Dichlorobenzene(sv)	ug/L	< 1		061510	1	EPA8270
Bis(2-chloroisopropyl)ether	ug/L	< 1		061510	1	EPA8270
N-Nitrosodi-n-propylamine	ug/L	< 1		061510	1	EPA8270
Hexachloroethane	ug/L	< 1		061510	1	EPA8270
Nitrobenzene	ug/L	< 1		061510	1	EPA8270
Isophorone	ug/L	< 1		061510	1	EPA8270
Bis(2-chloroethoxy)methane	ug/L	< 1		061510	1	EPA8270
124-Trichlorobenzene (sv)	ug/L	< 1		061510	1	EPA8270
Naphthalene(sv)	ug/L	< 1		061510	1	EPA8270
4-Chloroaniline	ug/L	< 1		061510	1	EPA8270
Hexachlorobutadiene	ug/L	< 1		061510	1	EPA8270
2-Methylnaphthalene	ug/L	< 1		061510	1	EPA8270
Hexachlorocyclopentadiene	ug/L	< 10		061510	10	EPA8270
2-Chloronaphthalene	ug/L	< 1		061510	1	EPA8270
2-Nitroaniline	ug/L	< 1		061510	1	EPA8270
Dimethyl Phthalate	ug/L	< 1		061510	1	EPA8270
Acenaphthylene	ug/L	< 1		061510	1	EPA8270
2,6-Dinitrotoluene	ug/L	< 1		061510	1	EPA8270
3-Nitroaniline	ug/L	< 1		061510	1	EPA8270
Acenaphthene	ug/L	< 1		061510	1	EPA8270
Dibenzofuran	ug/L	< 1		061510	1	EPA8270

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7 Corporate Drive
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ATTN: Vincent G. Pelusio PO#:30-019

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SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:06/08/10 RECEIVED:06/09/10
TIME COL'D:1345
MATRIX:Water SAMPLE: HP-101-U

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/L	< 1		061510	1	EPA8270
Diethyl Phthalate	ug/L	< 1		061510	1	EPA8270
4-Chlorophenyl phenyl ether	ug/L	< 1		061510	1	EPA8270
Fluorene	ug/L	< 1		061510	1	EPA8270
4-Nitroaniline	ug/L	< 1		061510	1	EPA8270
N-Nitrosodiphenylamine	ug/L	< 1		061510	1	EPA8270
4-Bromophenyl phenyl ether	ug/L	< 1		061510	1	EPA8270
Hexachlorobenzene	ug/L	< 1		061510	1	EPA8270
Phenanthrene	ug/L	< 1		061510	1	EPA8270
Anthracene	ug/L	< 1		061510	1	EPA8270
Di-n-Butyl Phthalate	ug/L	< 1		061510	1	EPA8270
Fluoranthene	ug/L	< 1		061510	1	EPA8270
Pyrene	ug/L	< 1		061510	1	EPA8270
BenzylButylPhthalate	ug/L	< 1		061510	1	EPA8270
3,3'-Dichlorobenzidine	ug/L	< 10		061510	10	EPA8270
Benzo(a)anthracene	ug/L	< 1		061510	1	EPA8270

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MATRIX:Water SAMPLE: HP-101-U

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/L	< 1		061510	1	EPA8270
Bis(2-ethylhexyl)phthalate	ug/L	1.5	U	061510	1	EPA8270
Di-n-octyl Phthalate	ug/L	< 1		061510	1	EPA8270
Benzo(b)fluoranthene	ug/L	< 1		061510	1	EPA8270
Benzo(k)fluoranthene	ug/L	< 1		061510	1	EPA8270
Benzo(a)pyrene	ug/L	< 1		061510	1	EPA8270
Indeno(1,2,3-cd)pyrene	ug/L	< 1		061510	1	EPA8270
Dibenzo(a,h)anthracene	ug/L	< 1		061510	1	EPA8270
Benzo(ghi)perylene	ug/L	< 1		061510	1	EPA8270

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ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/L	< 1		061510	1	EPA8270
2-Chlorophenol	ug/L	< 1		061510	1	EPA8270
2-Methylphenol (o-cresol)	ug/L	< 1		061510	1	EPA8270
4-Methylphenol (p-cresol)	ug/L	< 1		061510	1	EPA8270
2-Nitrophenol	ug/L	< 1		061510	1	EPA8270
2,4-Dimethylphenol	ug/L	< 1		061510	1	EPA8270
2,4-Dichlorophenol	ug/L	< 1		061510	1	EPA8270
4-Chloro-3-methylphenol	ug/L	< 1		061510	1	EPA8270
2,4,6-Trichlorophenol	ug/L	< 1		061510	1	EPA8270
2,4,5-Trichlorophenol	ug/L	< 1		061510	1	EPA8270
2,4-Dinitrophenol	ug/L	< 10		061510	10	EPA8270
4-Nitrophenol	ug/L	< 10		061510	10	EPA8270
2-Methyl-4,6-dinitrophenol	ug/L	< 10		061510	10	EPA8270
Pentachlorophenol (ms)	ug/L	< 10		061510	10	EPA8270

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TIME COL'D:1345
MATRIX:Water SAMPLE: HP-101-U

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/L	< 0.05		061510	0.05	EPA608
Heptachlor	ug/L	< 0.05		061510	0.05	EPA608
Aldrin	ug/L	< 0.05		061510	0.05	EPA608
Heptachlor Epoxide	ug/L	< 0.05		061510	0.05	EPA608
p,p-DDE	ug/L	< 0.05		061510	0.05	EPA608
Dieldrin	ug/L	< 0.05		061510	0.05	EPA608
Endrin	ug/L	< 0.05		061510	0.05	EPA608
p,p-DDD	ug/L	< 0.05		061510	0.05	EPA608
p,p-DDT	ug/L	< 0.1		061510	0.1	EPA608
Chlordane	ug/L	< 0.2		061510	0.2	EPA608
Toxaphene	ug/L	< 1		061510	1	EPA608
Endrin Ketone	ug/L	< 0.1		061510	0.1	EPA608
a BHC	ug/L	< 0.05		061510	0.05	EPA608
b BHC	ug/L	< 0.05		061510	0.05	EPA608
d BHC	ug/L	< 0.05		061510	0.05	EPA608
Endosulfan 1	ug/L	< 0.1		061510	0.1	EPA608

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MATRIX:Water SAMPLE: HP-101-U

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Endosulfan 2	ug/L	< 0.1		061510	0.1	EPA608
Endosulfan Sulfate	ug/L	< 0.3		061510	0.3	EPA608
Methoxychlor	ug/L	< 0.1		061510	0.1	EPA608
Endrin Aldehyde	ug/L	< 0.3		061510	0.3	EPA608
Aroclor 1016	ug/L	< 0.065		061510	0.065	EPA608
Aroclor 1221	ug/L	< 0.065		061510	0.065	EPA608
Aroclor 1232	ug/L	< 0.065		061510	0.065	EPA608
Aroclor 1242	ug/L	< 0.065		061510	0.065	EPA608
Aroclor 1248	ug/L	< 0.065		061510	0.065	EPA608
Aroclor 1254	ug/L	< 0.065		061510	0.065	EPA608
Aroclor 1260	ug/L	< 0.065		061510	0.065	EPA608

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REMARKS:

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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		061610	0.05	EPA200.7
Antimony as Sb	mg/L	< 0.05		061610	0.05	EPA200.7
Arsenic as As	mg/L	< 0.025		061610	0.025	EPA200.7
Barium as Ba	mg/L	0.1		061610	0.025	EPA200.7
Beryllium as Be	mg/L	< 0.005		061610	0.005	EPA200.7
Cadmium as Cd	mg/L	< 0.025		061610	0.025	EPA200.7
Calcium as Ca	mg/L	120		061610	1	EPA200.7
Chromium as Cr	mg/L	< 0.025		061610	0.025	EPA200.7
Cobalt as Co	mg/L	< 0.025		061610	0.025	EPA200.7
Copper as Cu	mg/L	< 0.05		061610	0.05	EPA200.7
Iron as Fe	mg/L	24		061610	0.05	EPA200.7
Lead as Pb	mg/L	< 0.025		061610	0.025	EPA200.7
Magnesium as Mg	mg/L	23		061610	0.025	EPA200.7
Manganese as Mn	mg/L	0.59		061610	0.05	EPA200.7
Mercury as Hg	mg/L	< 0.001		061510	0.001	EPA245.2
Nickel as Ni	mg/L	< 0.05		061610	0.05	EPA200.7
Potassium as K	mg/L	20		061610	5	EPA200.7
Selenium as Se	mg/L	< 0.05		061610	0.05	EPA200.7
Silver as Ag	mg/L	< 0.025		061610	0.025	EPA200.7
Sodium as Na	mg/L	610		061610	5	EPA200.7
Thallium as Tl	mg/L	< 0.025		061610	0.025	EPA200.7
Vanadium as V	mg/L	< 0.025		061610	0.025	EPA200.7
Zinc as Zn	mg/L	0.14		061610	0.05	EPA200.7
Hardness as CaCO3	mg/L	390		061610	2.6	EPA200.7

cc:

LRL=Laboratory Reporting Limit

REMARKS:

NW 8/27/10

DIRECTOR

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ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
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SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:06/08/10 RECEIVED:06/09/10
TIME COL'D:1345
MATRIX:Water SAMPLE: HP-101-U

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Cyanide as CN	mg/L	< 0.02		061410	0.02	EPA335.4
Ammonia as N	mg/L	7.4		061410	0.2	SM4500NH3C
Chloride as Cl	mg/L	1100		061010	100	204500C1B
Nitrate as N	mg/L	< 0.5		061010	0.5	EPA353.2
Sulfate as SO4	mg/L	110		061110	12.5	AS D516-02
Tot Dissolved Solids	mg/L	2200		061010	10	2540C
Tot. Kjeldahl N.	mg/L	8.4		061510	0.2	SM4500NORGB
Alkalinity tot CaCo3	mg/L	500		061010	10	SM182320B
Phenols as Phenol	mg/L	< 0.001		061410	0.001	EPA420.1

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REMARKS:

MW 8/27/10

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rn = 14645 NYSDOH ID # 10320 Page 10 of 10

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LAB NO.102565.08 06/23/10

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7 Corporate Drive
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ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:06/08/10 RECEIVED:06/09/10
TIME COL'D:1502

MATRIX:Water SAMPLE: HP-101-S

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chloromethane	ug/L	< 1		061010	1	EPA8260
Bromomethane	ug/L	< 1		061010	1	EPA8260
Vinyl Chloride	ug/L	< 1		061010	1	EPA8260
Chloroethane	ug/L	< 1		061010	1	EPA8260
Methylene Chloride	ug/L	< 1		061010	1	EPA8260
Acetone	ug/L	< 10	R	061010	10	EPA8260
Carbon disulfide	ug/L	< 1		061010	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		061010	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		061010	1	EPA8260
1,2 Dichloroethene	ug/L	< 2		061010	2	EPA8260
Chloroform	ug/L	< 1		061010	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		061010	1	EPA8260
2-Butanone	ug/L	< 10		061010	10	EPA8260
111 Trichloroethane	ug/L	< 1		061010	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		061010	1	EPA8260
Bromodichloromethane	ug/L	< 1		061010	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		061010	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		061010	1	EPA8260
Trichloroethene	ug/L	< 1		061010	1	EPA8260
Chlorodibromomethane	ug/L	< 1		061010	1	EPA8260
112 Trichloroethane	ug/L	< 1		061010	1	EPA8260
Benzene	ug/L	< 1		061010	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		061010	1	EPA8260
Bromoform	ug/L	< 1		061010	1	EPA8260
4-Methyl-2-Pentanone	ug/L	< 10		061010	10	EPA8260

cc:

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REMARKS:

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rn = 14646 NYSDOH ID # 10320 Page 1 of 10

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SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:06/08/10 RECEIVED:06/09/10
TIME COL'D:1502
MATRIX:Water SAMPLE: HP-101-S

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2-Hexanone	ug/L	< 10		061010	10	EPA8260
Tetrachloroethene	ug/L	< 1		061010	1	EPA8260
Toluene	ug/L	< 1		061010	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		061010	1	EPA8260
Chlorobenzene	ug/L	< 1		061010	1	EPA8260
Ethyl Benzene	ug/L	< 1		061010	1	EPA8260
Styrene	ug/L	< 1		061010	1	EPA8260
o Xylene	ug/L	< 1		061010	1	EPA8260
m + p Xylene	ug/L	< 2		061010	2	EPA8260
Xylene	ug/L	< 3		061010	3	EPA8260

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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		061510	1	EPA8270
1,3 Dichlorobenzene(sv)	ug/L	< 1		061510	1	EPA8270
1,4 Dichlorobenzene(sv)	ug/L	< 1		061510	1	EPA8270
Carbazole	ug/L	< 1		061510	1	EPA8270
1,2 Dichlorobenzene(sv)	ug/L	< 1		061510	1	EPA8270
Bis(2-chloroisopropyl)ether	ug/L	< 1		061510	1	EPA8270
N-Nitrosodi-n-propylamine	ug/L	< 1		061510	1	EPA8270
Hexachloroethane	ug/L	< 1		061510	1	EPA8270
Nitrobenzene	ug/L	< 1		061510	1	EPA8270
Isophorone	ug/L	< 1		061510	1	EPA8270
Bis(2-chloroethoxy)methane	ug/L	< 1		061510	1	EPA8270
124-Trichlorobenzene (sv)	ug/L	< 1		061510	1	EPA8270
Naphthalene(sv)	ug/L	< 1		061510	1	EPA8270
4-Chloroaniline	ug/L	< 1		061510	1	EPA8270
Hexachlorobutadiene	ug/L	< 1		061510	1	EPA8270
2-Methylnaphthalene	ug/L	< 1		061510	1	EPA8270
Hexachlorocyclopentadiene	ug/L	< 10		061510	10	EPA8270
2-Chloronaphthalene	ug/L	< 1		061510	1	EPA8270
2-Nitroaniline	ug/L	< 1		061510	1	EPA8270
Dimethyl Phthalate	ug/L	< 1		061510	1	EPA8270
Acenaphthylene	ug/L	< 1		061510	1	EPA8270
2,6-Dinitrotoluene	ug/L	< 1		061510	1	EPA8270
3-Nitroaniline	ug/L	< 1		061510	1	EPA8270
Acenaphthene	ug/L	< 1		061510	1	EPA8270
Dibenzofuran	ug/L	< 1		061510	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

MD 8/27/10
DIRECTOR

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

LAB NO.102565.08 06/23/10

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:06/08/10 RECEIVED:06/09/10
TIME COL'D:1502
MATRIX:Water SAMPLE: HP-101-S

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/L	< 1		061510	1	EPA8270
Diethyl Phthalate	ug/L	< 1		061510	1	EPA8270
4-Chlorophenyl phenyl ether	ug/L	< 1		061510	1	EPA8270
Fluorene	ug/L	< 1		061510	1	EPA8270
4-Nitroaniline	ug/L	< 1		061510	1	EPA8270
N-Nitrosodiphenylamine	ug/L	< 1		061510	1	EPA8270
4-Bromophenyl phenyl ether	ug/L	< 1		061510	1	EPA8270
Hexachlorobenzene	ug/L	< 1		061510	1	EPA8270
Phenanthrene	ug/L	< 1		061510	1	EPA8270
Anthracene	ug/L	< 1		061510	1	EPA8270
Di-n-Butyl Phthalate	ug/L	< 1		061510	1	EPA8270
Fluoranthene	ug/L	< 1		061510	1	EPA8270
Pyrene	ug/L	< 1		061510	1	EPA8270
BenzylButylPhthalate	ug/L	< 1		061510	1	EPA8270
3,3'-Dichlorobenzidine	ug/L	< 10		061510	10	EPA8270
Benzo(a)anthracene	ug/L	< 1		061510	1	EPA8270

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REMARKS:

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TIME COL'D:1502
MATRIX:Water SAMPLE: HP-101-S

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/L	< 1		061510	1	EPA8270
Bis(2-ethylhexyl)phthalate	ug/L	1.7	B	061510	1	EPA8270
Di-n-octyl Phthalate	ug/L	< 1		061510	1	EPA8270
Benzo(b)fluoranthene	ug/L	< 1		061510	1	EPA8270
Benzo(k)fluoranthene	ug/L	< 1		061510	1	EPA8270
Benzo(a)pyrene	ug/L	< 1		061510	1	EPA8270
Indeno(1,2,3-cd)pyrene	ug/L	< 1		061510	1	EPA8270
Dibenzo(a,h)anthracene	ug/L	< 1		061510	1	EPA8270
Benzo(ghi)perylene	ug/L	< 1		061510	1	EPA8270

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REMARKS:

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rn = 14650 NYSDOH ID # 10320 Page 5 of 10

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TIME COL'D:1502
MATRIX:Water SAMPLE: HP-101-S

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/L	< 1		061510	1	EPA8270
2-Chlorophenol	ug/L	< 1		061510	1	EPA8270
2-Methylphenol (o-cresol)	ug/L	< 1		061510	1	EPA8270
4-Methylphenol (p-cresol)	ug/L	< 1		061510	1	EPA8270
2-Nitrophenol	ug/L	< 1		061510	1	EPA8270
2,4-Dimethylphenol	ug/L	< 1		061510	1	EPA8270
2,4-Dichlorophenol	ug/L	< 1		061510	1	EPA8270
4-Chloro-3-methylphenol	ug/L	< 1		061510	1	EPA8270
2,4,6-Trichlorophenol	ug/L	< 1		061510	1	EPA8270
2,4,5-Trichlorophenol	ug/L	< 1		061510	1	EPA8270
2,4-Dinitrophenol	ug/L	< 10		061510	10	EPA8270
4-Nitrophenol	ug/L	< 10		061510	10	EPA8270
2-Methyl-4,6-dinitrophenol	ug/L	< 10		061510	10	EPA8270
Pentachlorophenol (ms)	ug/L	< 10		061510	10	EPA8270

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REMARKS:

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rn = 14651 NYSDOH ID # 10320 Page 6 of 10

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MATRIX:Water SAMPLE: HP-101-S

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/L	< 0.05		061510	0.05	EPA608
Heptachlor	ug/L	< 0.05		061510	0.05	EPA608
Aldrin	ug/L	< 0.05		061510	0.05	EPA608
Heptachlor Epoxide	ug/L	< 0.05		061510	0.05	EPA608
p,p-DDE	ug/L	< 0.05		061510	0.05	EPA608
Dieldrin	ug/L	< 0.05		061510	0.05	EPA608
Endrin	ug/L	< 0.05		061510	0.05	EPA608
p,p-DDD	ug/L	< 0.05		061510	0.05	EPA608
p,p-DDT	ug/L	< 0.1		061510	0.1	EPA608
Chlordane	ug/L	< 0.2		061510	0.2	EPA608
Toxaphene	ug/L	< 1		061510	1	EPA608
Endrin Ketone	ug/L	< 0.1		061510	0.1	EPA608
a BHC	ug/L	< 0.05		061510	0.05	EPA608
b BHC	ug/L	< 0.05		061510	0.05	EPA608
d BHC	ug/L	< 0.05		061510	0.05	EPA608
Endosulfan 1	ug/L	< 0.1		061510	0.1	EPA608

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ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Endosulfan 2	ug/L	< 0.1		061510	0.1	EPA608
Endosulfan Sulfate	ug/L	< 0.3		061510	0.3	EPA608
Methoxychlor	ug/L	< 0.1		061510	0.1	EPA608
Endrin Aldehyde	ug/L	< 0.3		061510	0.3	EPA608
Aroclor 1016	ug/L	< 0.065		061510	0.065	EPA608
Aroclor 1221	ug/L	< 0.065		061510	0.065	EPA608
Aroclor 1232	ug/L	< 0.065		061510	0.065	EPA608
Aroclor 1242	ug/L	< 0.065		061510	0.065	EPA608
Aroclor 1248	ug/L	< 0.065		061510	0.065	EPA608
Aroclor 1254	ug/L	< 0.065		061510	0.065	EPA608
Aroclor 1260	ug/L	< 0.065		061510	0.065	EPA608

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ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/L	< 0.05		061610	0.05	EPA200.7
Antimony as Sb	mg/L	< 0.05		061610	0.05	EPA200.7
Arsenic as As	mg/L	< 0.025		061610	0.025	EPA200.7
Barium as Ba	mg/L	0.049		061610	0.025	EPA200.7
Beryllium as Be	mg/L	< 0.005		061610	0.005	EPA200.7
Cadmium as Cd	mg/L	< 0.025		061610	0.025	EPA200.7
Calcium as Ca	mg/L	52		061610	1	EPA200.7
Chromium as Cr	mg/L	< 0.025		061610	0.025	EPA200.7
Cobalt as Co	mg/L	< 0.025		061610	0.025	EPA200.7
Copper as Cu	mg/L	< 0.05		061610	0.05	EPA200.7
Iron as Fe	mg/L	0.82		061610	0.05	EPA200.7
Lead as Pb	mg/L	< 0.025		061610	0.025	EPA200.7
Magnesium as Mg	mg/L	110		061610	0.025	EPA200.7
Manganese as Mn	mg/L	0.05		061610	0.05	EPA200.7
Mercury as Hg	mg/L	< 0.001		061510	0.001	EPA245.2
Nickel as Ni	mg/L	< 0.05		061610	0.05	EPA200.7
Potassium as K	mg/L	87		061610	50	EPA200.7
Selenium as Se	mg/L	< 0.05		061610	0.05	EPA200.7
Silver as Ag	mg/L	< 0.025		061610	0.025	EPA200.7
Sodium as Na	mg/L	1600		061610	50	EPA200.7
Thallium as Tl	mg/L	< 0.025		061610	0.025	EPA200.7
Vanadium as V	mg/L	< 0.025		061610	0.025	EPA200.7
Zinc as Zn	mg/L	< 0.05		061610	0.05	EPA200.7
Hardness as CaCO3	mg/L	560		061610	2.6	EPA200.7

cc:

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REMARKS:

NW 8/27/10

DIRECTOR

rn = 14654 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
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LAB NO.102565.08 06/23/10

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:06/08/10 RECEIVED:06/09/10
TIME COL'D:1502
MATRIX:Water SAMPLE: HP-101-S

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Cyanide as CN	mg/L	< 0.02		061410	0.02	EPA335.4
Ammonia as N	mg/L	4.6		061410	0.2	SM4500NH3C
Chloride as Cl	mg/L	2800		061010	100	204500C1B
Nitrate as N	mg/L	< 0.5		061010	0.5	EPA353.2
Sulfate as SO4	mg/L	13		061110	5	AS D516-02
Tot Dissolved Solids	mg/L	4900		061010	10	2540C
Tot. Kjeldahl N.	mg/L	5.6		061510	0.2	SM4500NORGB
Alkalinity tot CaCo3	mg/L	840		061010	10	SM182320B
Phenols as Phenol	mg/L	< 0.001		061410	0.001	EPA420.1

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REMARKS:

NW
8/27/10

DIRECTOR

rn = 14655 NYSDOH ID # 10320 Page 10 of 10

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MATRIX:Water SAMPLE: Blind Duplicate

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chloromethane	ug/L	< 1		061010	1	EPA8260
Bromomethane	ug/L	< 1		061010	1	EPA8260
Vinyl Chloride	ug/L	< 1		061010	1	EPA8260
Chloroethane	ug/L	< 1		061010	1	EPA8260
Methylene Chloride	ug/L	< 1		061010	1	EPA8260
Acetone	ug/L	< 10	R	061010	10	EPA8260
Carbon disulfide	ug/L	< 1		061010	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		061010	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		061010	1	EPA8260
1,2 Dichloroethene	ug/L	< 2		061010	2	EPA8260
Chloroform	ug/L	< 1		061010	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		061010	1	EPA8260
2-Butanone	ug/L	< 10		061010	10	EPA8260
111 Trichloroethane	ug/L	< 1		061010	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		061010	1	EPA8260
Bromodichloromethane	ug/L	< 1		061010	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		061010	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		061010	1	EPA8260
Trichloroethene	ug/L	< 1		061010	1	EPA8260
Chlorodibromomethane	ug/L	< 1		061010	1	EPA8260
112 Trichloroethane	ug/L	< 1		061010	1	EPA8260
Benzene	ug/L	< 1		061010	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		061010	1	EPA8260
Bromoform	ug/L	< 1		061010	1	EPA8260
4-Methyl-2-Pentanone	ug/L	< 10		061010	10	EPA8260

cc:

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REMARKS:

MW 8/27/10

DIRECTOR

rn = 14656 NYSDOH ID # 10320 Page 1 of 10

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MATRIX:Water SAMPLE: Blind Duplicate

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2-Hexanone	ug/L	< 10		061010	10	EPA8260
Tetrachloroethene	ug/L	< 1		061010	1	EPA8260
Toluene	ug/L	< 1		061010	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		061010	1	EPA8260
Chlorobenzene	ug/L	7		061010	1	EPA8260
Ethyl Benzene	ug/L	< 1		061010	1	EPA8260
Styrene	ug/L	< 1		061010	1	EPA8260
o Xylene	ug/L	< 1		061010	1	EPA8260
m + p Xylene	ug/L	< 2		061010	2	EPA8260
Xylene	ug/L	< 3		061010	3	EPA8260

cc:

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REMARKS:

nw 8/27/10

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MATRIX:Water SAMPLE: Blind Duplicate

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/L	< 1		061510	1	EPA8270
1,3 Dichlorobenzene(sv)	ug/L	< 1		061510	1	EPA8270
1,4 Dichlorobenzene(sv)	ug/L	< 1		061510	1	EPA8270
Carbazole	ug/L	< 1		061510	1	EPA8270
1,2 Dichlorobenzene(sv)	ug/L	< 1		061510	1	EPA8270
Bis(2-chloroisopropyl)ether	ug/L	< 1		061510	1	EPA8270
N-Nitrosodi-n-propylamine	ug/L	< 1		061510	1	EPA8270
Hexachloroethane	ug/L	< 1		061510	1	EPA8270
Nitrobenzene	ug/L	< 1		061510	1	EPA8270
Isophorone	ug/L	< 1		061510	1	EPA8270
Bis(2-chloroethoxy)methane	ug/L	< 1		061510	1	EPA8270
124-Trichlorobenzene (sv)	ug/L	< 1		061510	1	EPA8270
Naphthalene(sv)	ug/L	< 1		061510	1	EPA8270
4-Chloroaniline	ug/L	< 1		061510	1	EPA8270
Hexachlorobutadiene	ug/L	< 1		061510	1	EPA8270
2-Methylnaphthalene	ug/L	< 1		061510	1	EPA8270
Hexachlorocyclopentadiene	ug/L	< 10		061510	10	EPA8270
2-Chloronaphthalene	ug/L	< 1		061510	1	EPA8270
2-Nitroaniline	ug/L	< 1		061510	1	EPA8270
Dimethyl Phthalate	ug/L	< 1		061510	1	EPA8270
Acenaphthylene	ug/L	< 1		061510	1	EPA8270
2,6-Dinitrotoluene	ug/L	< 1		061510	1	EPA8270
3-Nitroaniline	ug/L	< 1		061510	1	EPA8270
Acenaphthene	ug/L	< 1		061510	1	EPA8270
Dibenzofuran	ug/L	< 1		061510	1	EPA8270

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REMARKS:

qcw 8/27/10

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SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
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COLLECTED BY: Client DATE COL'D:06/08/10 RECEIVED:06/09/10

MATRIX:Water SAMPLE: Blind Duplicate

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/L	< 1		061510	1	EPA8270
Diethyl Phthalate	ug/L	< 1		061510	1	EPA8270
4-Chlorophenyl phenyl ether	ug/L	< 1		061510	1	EPA8270
Fluorene	ug/L	< 1		061510	1	EPA8270
4-Nitroaniline	ug/L	< 1		061510	1	EPA8270
N-Nitrosodiphenylamine	ug/L	< 1		061510	1	EPA8270
4-Bromophenyl phenyl ether	ug/L	< 1		061510	1	EPA8270
Hexachlorobenzene	ug/L	< 1		061510	1	EPA8270
Phenanthrene	ug/L	< 1		061510	1	EPA8270
Anthracene	ug/L	< 1		061510	1	EPA8270
Di-n-Butyl Phthalate	ug/L	< 1		061510	1	EPA8270
Fluoranthene	ug/L	< 1		061510	1	EPA8270
Pyrene	ug/L	< 1		061510	1	EPA8270
BenzylButylPhthalate	ug/L	< 1		061510	1	EPA8270
3,3'-Dichlorobenzidine	ug/L	< 10		061510	10	EPA8270
Benzo(a)anthracene	ug/L	< 1		061510	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

8/27/10

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.102565.09 06/23/10

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:06/08/10 RECEIVED:06/09/10

MATRIX:Water SAMPLE: Blind Duplicate

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/L	< 1		061510	1	EPA8270
Bis(2-ethylhexyl)phthalate	ug/L	1 u		061510	1	EPA8270
Di-n-octyl Phthalate	ug/L	< 1		061510	1	EPA8270
Benzo(b)fluoranthene	ug/L	< 1		061510	1	EPA8270
Benzo(k)fluoranthene	ug/L	< 1		061510	1	EPA8270
Benzo(a)pyrene	ug/L	< 1		061510	1	EPA8270
Indeno(1,2,3-cd)pyrene	ug/L	< 1		061510	1	EPA8270
Dibenzo(a,h)anthracene	ug/L	< 1		061510	1	EPA8270
Benzo(ghi)perylene	ug/L	< 1		061510	1	EPA8270

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REMARKS:

kw 8/27/10

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ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/L	< 1		061510	1	EPA8270
2-Chlorophenol	ug/L	< 1		061510	1	EPA8270
2-Methylphenol (o-cresol)	ug/L	< 1		061510	1	EPA8270
4-Methylphenol (p-cresol)	ug/L	< 1		061510	1	EPA8270
2-Nitrophenol	ug/L	< 1		061510	1	EPA8270
2,4-Dimethylphenol	ug/L	< 1		061510	1	EPA8270
2,4-Dichlorophenol	ug/L	< 1		061510	1	EPA8270
4-Chloro-3-methylphenol	ug/L	< 1		061510	1	EPA8270
2,4,6-Trichlorophenol	ug/L	< 1		061510	1	EPA8270
2,4,5-Trichlorophenol	ug/L	< 1		061510	1	EPA8270
2,4-Dinitrophenol	ug/L	< 10		061510	10	EPA8270
4-Nitrophenol	ug/L	< 10		061510	10	EPA8270
2-Methyl-4,6-dinitrophenol	ug/L	< 10		061510	10	EPA8270
Pentachlorophenol (ms)	ug/L	< 10		061510	10	EPA8270

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REMARKS:

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rn = 14661 NYSDOH ID # 10320 Page 6 of 10

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ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/L	< 0.05		061510	0.05	EPA608
Heptachlor	ug/L	< 0.05		061510	0.05	EPA608
Aldrin	ug/L	< 0.05		061510	0.05	EPA608
Heptachlor Epoxide	ug/L	< 0.05		061510	0.05	EPA608
p,p-DDE	ug/L	< 0.05		061510	0.05	EPA608
Dieldrin	ug/L	< 0.05		061510	0.05	EPA608
Endrin	ug/L	< 0.05		061510	0.05	EPA608
p,p-DDD	ug/L	< 0.05		061510	0.05	EPA608
p,p-DDT	ug/L	< 0.1		061510	0.1	EPA608
Chlordane	ug/L	< 0.2		061510	0.2	EPA608
Toxaphene	ug/L	< 1		061510	1	EPA608
Endrin Ketone	ug/L	< 0.1		061510	0.1	EPA608
a BHC	ug/L	< 0.05		061510	0.05	EPA608
b BHC	ug/L	< 0.05		061510	0.05	EPA608
d BHC	ug/L	< 0.05		061510	0.05	EPA608
Endosulfan 1	ug/L	< 0.1		061510	0.1	EPA608

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rn = 14662 NYSDOH ID # 10320 Page 7 of 10

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Endosulfan 2	ug/L	< 0.1		061510	0.1	EPA608
Endosulfan Sulfate	ug/L	< 0.3		061510	0.3	EPA608
Methoxychlor	ug/L	< 0.1		061510	0.1	EPA608
Endrin Aldehyde	ug/L	< 0.3		061510	0.3	EPA608
Aroclor 1016	ug/L	< 0.065		061610	0.065	EPA608
Aroclor 1221	ug/L	< 0.065		061610	0.065	EPA608
Aroclor 1232	ug/L	< 0.065		061610	0.065	EPA608
Aroclor 1242	ug/L	< 0.065		061610	0.065	EPA608
Aroclor 1248	ug/L	< 0.065		061610	0.065	EPA608
Aroclor 1254	ug/L	< 0.065		061610	0.065	EPA608
Aroclor 1260	ug/L	< 0.065		061610	0.065	EPA608

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REMARKS:

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rn = 14663 NYSDOH ID # 10320 Page 8 of 10

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Aluminum as Al	mg/L	< 0.05		061610	0.05	EPA200.7
Antimony as Sb	mg/L	< 0.05		061610	0.05	EPA200.7
Arsenic as As	mg/L	< 0.025		061610	0.025	EPA200.7
Barium as Ba	mg/L	0.1		061610	0.025	EPA200.7
Beryllium as Be	mg/L	< 0.005		061610	0.005	EPA200.7
Cadmium as Cd	mg/L	< 0.025		061610	0.025	EPA200.7
Calcium as Ca	mg/L	120		061610	1	EPA200.7
Chromium as Cr	mg/L	< 0.025		061610	0.025	EPA200.7
Cobalt as Co	mg/L	< 0.025		061610	0.025	EPA200.7
Copper as Cu	mg/L	< 0.05		061610	0.05	EPA200.7
Iron as Fe	mg/L	24		061610	0.05	EPA200.7
Lead as Pb	mg/L	< 0.025		061610	0.025	EPA200.7
Magnesium as Mg	mg/L	22		061610	0.025	EPA200.7
Manganese as Mn	mg/L	0.59		061610	0.05	EPA200.7
Mercury as Hg	mg/L	< 0.001		061510	0.001	EPA245.2
Nickel as Ni	mg/L	< 0.05		061610	0.05	EPA200.7
Potassium as K	mg/L	19		061610	5	EPA200.7
Selenium as Se	mg/L	< 0.05		061610	0.05	EPA200.7
Silver as Ag	mg/L	< 0.025		061610	0.025	EPA200.7
Sodium as Na	mg/L	590		061610	5	EPA200.7
Thallium as Tl	mg/L	< 0.025		061610	0.025	EPA200.7
Vanadium as V	mg/L	< 0.025		061610	0.025	EPA200.7
Zinc as Zn	mg/L	0.13		061610	0.05	EPA200.7
Hardness as CaCO3	mg/L	390		061610	2.6	EPA200.7

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REMARKS:

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rn = 14664 NYSDOH ID # 10320 Page 9 of 10

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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:06/08/10 RECEIVED:06/09/10

MATRIX:Water SAMPLE: Blind Duplicate

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Cyanide as CN	mg/L	< 0.02		061410	0.02	EPA335.4
Ammonia as N	mg/L	7.6		061410	0.2	SM4500NH3C
Chloride as Cl	mg/L	1100		061010	100	204500C1B
Nitrate as N	mg/L	< 0.5		061010	0.5	EPA353.2
Sulfate as SO4	mg/L	100		061110	50	AS D516-02
Tot Dissolved Solids	mg/L	2200		061010	10	2540C
Tot. Kjeldahl N.	mg/L	8.4		061510	0.2	SM4500NORGB
Alkalinity tot CaCo3	mg/L	500		061010	10	SM182320B
Phenols as Phenol	mg/L	< 0.001		061410	0.001	EPA420.1

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REMARKS:

8/27/10

DIRECTOR

rn = 14665 NYSDOH ID # 10320 Page 10 of 10

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SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:06/09/10 RECEIVED:06/09/10
TIME COL'D:1015
MATRIX:Water SAMPLE: HP-407-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chloromethane	ug/L	< 1		061010	1	EPA8260
Bromomethane	ug/L	< 1		061010	1	EPA8260
Vinyl Chloride	ug/L	< 1		061010	1	EPA8260
Chloroethane	ug/L	< 1		061010	1	EPA8260
Methylene Chloride	ug/L	< 1		061010	1	EPA8260
Acetone	ug/L	< 10	R	061010	10	EPA8260
Carbon disulfide	ug/L	< 1		061010	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		061010	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		061010	1	EPA8260
1,2 Dichloroethene	ug/L	< 2		061010	2	EPA8260
Chloroform	ug/L	< 1		061010	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		061010	1	EPA8260
2-Butanone	ug/L	< 10		061010	10	EPA8260
111 Trichloroethane	ug/L	< 1		061010	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		061010	1	EPA8260
Bromodichloromethane	ug/L	< 1		061010	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		061010	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		061010	1	EPA8260
Trichloroethene	ug/L	< 1		061010	1	EPA8260
Chlorodibromomethane	ug/L	< 1		061010	1	EPA8260
112 Trichloroethane	ug/L	< 1		061010	1	EPA8260
Benzene	ug/L	< 1		061010	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		061010	1	EPA8260
Bromoform	ug/L	< 1		061010	1	EPA8260
4-Methyl-2-Pentanone	ug/L	< 10		061010	10	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

NW
8/27/10

DIRECTOR

rn = 14666 NYSDOH ID # 10320 Page 1 of 10

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ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:06/09/10 RECEIVED:06/09/10
TIME COL'D:1015
MATRIX:Water SAMPLE: HP-407-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2-Hexanone	ug/L	< 10		061010	10	EPA8260
Tetrachloroethene	ug/L	< 1		061010	1	EPA8260
Toluene	ug/L	< 1		061010	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		061010	1	EPA8260
Chlorobenzene	ug/L	< 1		061010	1	EPA8260
Ethyl Benzene	ug/L	< 1		061010	1	EPA8260
Styrene	ug/L	< 1		061010	1	EPA8260
o Xylene	ug/L	< 1		061010	1	EPA8260
m + p Xylene	ug/L	< 2		061010	2	EPA8260
Xylene	ug/L	< 3		061010	3	EPA8260

cc:

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REMARKS:

MW 8/27/10

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rn = 14667 NYSDOH ID # 10320 Page 2 of 10

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TIME COL'D:1015

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		061510	1	EPA8270
1,3 Dichlorobenzene(sv)	ug/L	< 1		061510	1	EPA8270
1,4 Dichlorobenzene(sv)	ug/L	< 1		061510	1	EPA8270
Carbazole	ug/L	< 1		061510	1	EPA8270
1,2 Dichlorobenzene(sv)	ug/L	< 1		061510	1	EPA8270
Bis(2-chloroisopropyl)ether	ug/L	< 1		061510	1	EPA8270
N-Nitrosodi-n-propylamine	ug/L	< 1		061510	1	EPA8270
Hexachloroethane	ug/L	< 1		061510	1	EPA8270
Nitrobenzene	ug/L	< 1		061510	1	EPA8270
Isophorone	ug/L	< 1		061510	1	EPA8270
Bis(2-chloroethoxy)methane	ug/L	< 1		061510	1	EPA8270
124-Trichlorobenzene (sv)	ug/L	< 1		061510	1	EPA8270
Naphthalene(sv)	ug/L	< 1		061510	1	EPA8270
4-Chloroaniline	ug/L	< 1		061510	1	EPA8270
Hexachlorobutadiene	ug/L	< 1		061510	1	EPA8270
2-Methylnaphthalene	ug/L	< 1		061510	1	EPA8270
Hexachlorocyclopentadiene	ug/L	< 10		061510	10	EPA8270
2-Chloronaphthalene	ug/L	< 1		061510	1	EPA8270
2-Nitroaniline	ug/L	< 1		061510	1	EPA8270
Dimethyl Phthalate	ug/L	< 1		061510	1	EPA8270
Acenaphthylene	ug/L	< 1		061510	1	EPA8270
2,6-Dinitrotoluene	ug/L	< 1		061510	1	EPA8270
3-Nitroaniline	ug/L	< 1		061510	1	EPA8270
Acenaphthene	ug/L	< 1		061510	1	EPA8270
Dibenzofuran	ug/L	< 1		061510	1	EPA8270

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REMARKS:

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TIME COL'D:1015
MATRIX:Water SAMPLE: HP-407-D

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2,4-Dinitrotoluene	ug/L	< 1		061510	1	EPA8270
Diethyl Phthalate	ug/L	< 1		061510	1	EPA8270
4-Chlorophenyl phenyl ether	ug/L	< 1		061510	1	EPA8270
Fluorene	ug/L	< 1		061510	1	EPA8270
4-Nitroaniline	ug/L	< 1		061510	1	EPA8270
N-Nitrosodiphenylamine	ug/L	< 1		061510	1	EPA8270
4-Bromophenyl phenyl ether	ug/L	< 1		061510	1	EPA8270
Hexachlorobenzene	ug/L	< 1		061510	1	EPA8270
Phenanthrene	ug/L	< 1		061510	1	EPA8270
Anthracene	ug/L	< 1		061510	1	EPA8270
Di-n-Butyl Phthalate	ug/L	< 1		061510	1	EPA8270
Fluoranthene	ug/L	< 1		061510	1	EPA8270
Pyrene	ug/L	< 1		061510	1	EPA8270
BenzylButylPhthalate	ug/L	< 1		061510	1	EPA8270
3,3'-Dichlorobenzidine	ug/L	< 10		061510	10	EPA8270
Benzo(a)anthracene	ug/L	< 1		061510	1	EPA8270

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TIME COL'D:1015
MATRIX:Water SAMPLE: HP-407-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/L	< 1		061510	1	EPA8270
Bis(2-ethylhexyl)phthalate	ug/L	9.8	u	061510	1	EPA8270
Di-n-octyl Phthalate	ug/L	< 1		061510	1	EPA8270
Benzo(b)fluoranthene	ug/L	< 1		061510	1	EPA8270
Benzo(k)fluoranthene	ug/L	< 1		061510	1	EPA8270
Benzo(a)pyrene	ug/L	< 1		061510	1	EPA8270
Indeno(1,2,3-cd)pyrene	ug/L	< 1		061510	1	EPA8270
Dibenzo(a,h)anthracene	ug/L	< 1		061510	1	EPA8270
Benzo(ghi)perylene	ug/L	< 1		061510	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

MW 8/27/10

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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

LAB NO.102565.10 06/23/10

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:06/09/10 RECEIVED:06/09/10
TIME COL'D:1015
MATRIX:Water SAMPLE: HP-407-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/L	< 1		061510	1	EPA8270
2-Chlorophenol	ug/L	< 1		061510	1	EPA8270
2-Methylphenol (o-cresol)	ug/L	< 1		061510	1	EPA8270
4-Methylphenol (p-cresol)	ug/L	< 1		061510	1	EPA8270
2-Nitrophenol	ug/L	< 1		061510	1	EPA8270
2,4-Dimethylphenol	ug/L	< 1		061510	1	EPA8270
2,4-Dichlorophenol	ug/L	< 1		061510	1	EPA8270
4-Chloro-3-methylphenol	ug/L	< 1		061510	1	EPA8270
2,4,6-Trichlorophenol	ug/L	< 1		061510	1	EPA8270
2,4,5-Trichlorophenol	ug/L	< 1		061510	1	EPA8270
2,4-Dinitrophenol	ug/L	< 10		061510	10	EPA8270
4-Nitrophenol	ug/L	< 10		061510	10	EPA8270
2-Methyl-4,6-dinitrophenol	ug/L	< 10		061510	10	EPA8270
Pentachlorophenol (ms)	ug/L	< 10		061510	10	EPA8270

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REMARKS:

MW 8/27/10

DIRECTOR

rn = 14671 NYSDOH ID # 10320 Page 6 of 10

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7 Corporate Drive
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ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:06/09/10 RECEIVED:06/09/10
TIME COL'D:1015
MATRIX:Water SAMPLE: HP-407-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/L	< 0.05		061510	0.05	EPA608
Heptachlor	ug/L	< 0.05		061510	0.05	EPA608
Aldrin	ug/L	< 0.05		061510	0.05	EPA608
Heptachlor Epoxide	ug/L	< 0.05		061510	0.05	EPA608
p,p-DDE	ug/L	< 0.05		061510	0.05	EPA608
Dieldrin	ug/L	< 0.05		061510	0.05	EPA608
Endrin	ug/L	< 0.05		061510	0.05	EPA608
p,p-DDD	ug/L	< 0.05		061510	0.05	EPA608
p,p-DDT	ug/L	< 0.1		061510	0.1	EPA608
Chlordane	ug/L	< 0.2		061510	0.2	EPA608
Toxaphene	ug/L	< 1		061510	1	EPA608
Endrin Ketone	ug/L	< 0.1		061510	0.1	EPA608
a BHC	ug/L	< 0.05		061510	0.05	EPA608
b BHC	ug/L	< 0.05		061510	0.05	EPA608
d BHC	ug/L	< 0.05		061510	0.05	EPA608
Endosulfan 1	ug/L	< 0.1		061510	0.1	EPA608

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REMARKS:

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SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:06/09/10 RECEIVED:06/09/10
TIME COL'D:1015
MATRIX:Water SAMPLE: HP-407-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Endosulfan 2	ug/L	< 0.1		061510	0.1	EPA608
Endosulfan Sulfate	ug/L	< 0.3		061510	0.3	EPA608
Methoxychlor	ug/L	< 0.1		061510	0.1	EPA608
Endrin Aldehyde	ug/L	< 0.3		061510	0.3	EPA608
Aroclor 1016	ug/L	< 0.065		061610	0.065	EPA608
Aroclor 1221	ug/L	< 0.065		061610	0.065	EPA608
Aroclor 1232	ug/L	< 0.065		061610	0.065	EPA608
Aroclor 1242	ug/L	< 0.065		061610	0.065	EPA608
Aroclor 1248	ug/L	< 0.065		061610	0.065	EPA608
Aroclor 1254	ug/L	< 0.065		061610	0.065	EPA608
Aroclor 1260	ug/L	< 0.065		061610	0.065	EPA608

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REMARKS:

8/27/10

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rn = 14673 NYSDOH ID # 10320 Page 8 of 10

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SOURCE OF SAMPLE:
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TIME COL'D:1015

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		061610	0.05	EPA200.7
Antimony as Sb	mg/L	< 0.05		061610	0.05	EPA200.7
Arsenic as As	mg/L	< 0.025		061610	0.025	EPA200.7
Barium as Ba	mg/L	0.058		061610	0.025	EPA200.7
Beryllium as Be	mg/L	< 0.005		061610	0.005	EPA200.7
Cadmium as Cd	mg/L	< 0.025		061610	0.025	EPA200.7
Calcium as Ca	mg/L	260		061610	1	EPA200.7
Chromium as Cr	mg/L	< 0.025		061610	0.025	EPA200.7
Cobalt as Co	mg/L	< 0.025		061610	0.025	EPA200.7
Copper as Cu	mg/L	< 0.05		061610	0.05	EPA200.7
Iron as Fe	mg/L	25		061610	0.05	EPA200.7
Lead as Pb	mg/L	< 0.025		061610	0.025	EPA200.7
Magnesium as Mg	mg/L	580		061610	0.025	EPA200.7
Manganese as Mn	mg/L	0.87		061610	0.05	EPA200.7
Mercury as Hg	mg/L	< 0.001		061510	0.001	EPA245.2
Nickel as Ni	mg/L	< 0.05		061610	0.05	EPA200.7
Potassium as K	mg/L	280		061610	50	EPA200.7
Selenium as Se	mg/L	< 0.05		061610	0.05	EPA200.7
Silver as Ag	mg/L	< 0.025		061610	0.025	EPA200.7
Sodium as Na	mg/L	4800		061610	50	EPA200.7
Thallium as Tl	mg/L	< 0.025		061610	0.025	EPA200.7
Vanadium as V	mg/L	< 0.025		061610	0.025	EPA200.7
Zinc as Zn	mg/L	< 0.05		061610	0.05	EPA200.7
Hardness as CaCO3	mg/L	3000		061610	2.6	EPA200.7

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REMARKS:

8/27/10
DIRECTOR

rn = 14674 NYSDOH ID # 10320 Page 9 of 10

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LAB NO.102565.10 06/23/10

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:06/09/10 RECEIVED:06/09/10
TIME COL'D:1015
MATRIX:Water SAMPLE: HP-407-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Cyanide as CN	mg/L	< 0.02		061410	0.02	EPA335.4
Ammonia as N	mg/L	2.0		061410	0.2	SM4500NH3C
Chloride as Cl	mg/L	10000		061010	100	204500C1B
Nitrate as N	mg/L	< 0.5		061010	0.5	EPA353.2
Sulfate as SO4	mg/L	1300		061110	250	AS D516-02
Tot Dissolved Solids	mg/L	18000		061010	10	2540C
Tot. Kjeldahl N.	mg/L	2.8		061510	0.2	SM4500NORGB
Alkalinity tot CaCo3	mg/L	240		061010	10	SM182320B
Phenols as Phenol	mg/L	< 0.001		061410	0.001	EPA420.1

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REMARKS:

8/27/10
DIRECTOR

rn = 14675 NYSDOH ID # 10320 Page 10 of 10

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LAB NO.102565.11 06/23/10

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:06/09/10 RECEIVED:06/09/10
TIME COL'D:1115

MATRIX:Water SAMPLE: HP-407-U

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chloromethane	ug/L	< 1		061010	1	EPA8260
Bromomethane	ug/L	< 1		061010	1	EPA8260
Vinyl Chloride	ug/L	< 1		061010	1	EPA8260
Chloroethane	ug/L	< 1		061010	1	EPA8260
Methylene Chloride	ug/L	< 1		061010	1	EPA8260
Acetone	ug/L	< 10	R	061010	10	EPA8260
Carbon disulfide	ug/L	< 1		061010	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		061010	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		061010	1	EPA8260
1,2 Dichloroethene	ug/L	< 2		061010	2	EPA8260
Chloroform	ug/L	< 1		061010	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		061010	1	EPA8260
2-Butanone	ug/L	< 10		061010	10	EPA8260
111 Trichloroethane	ug/L	< 1		061010	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		061010	1	EPA8260
Bromodichloromethane	ug/L	< 1		061010	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		061010	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		061010	1	EPA8260
Trichloroethene	ug/L	< 1		061010	1	EPA8260
Chlorodibromomethane	ug/L	< 1		061010	1	EPA8260
112 Trichloroethane	ug/L	< 1		061010	1	EPA8260
Benzene	ug/L	2		061010	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		061010	1	EPA8260
Bromoform	ug/L	< 1		061010	1	EPA8260
4-Methyl-2-Pentanone	ug/L	< 10		061010	10	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

NEO 8/27/10
DIRECTOR

rn = 14676 NYSDOH ID # 10320 Page 1 of 10

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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LAB NO.102565.11 06/23/10

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:06/09/10 RECEIVED:06/09/10
TIME COL'D:1115

MATRIX:Water SAMPLE: HP-407-U

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2-Hexanone	ug/L	< 10		061010	10	EPA8260
Tetrachloroethene	ug/L	< 1		061010	1	EPA8260
Toluene	ug/L	< 1		061010	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		061010	1	EPA8260
Chlorobenzene	ug/L	4		061010	1	EPA8260
Ethyl Benzene	ug/L	< 1		061010	1	EPA8260
Styrene	ug/L	< 1		061010	1	EPA8260
o Xylene	ug/L	< 1		061010	1	EPA8260
m + p Xylene	ug/L	< 2		061010	2	EPA8260
Xylene	ug/L	< 3		061010	3	EPA8260

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REMARKS:

8/27/10

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SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:06/09/10 RECEIVED:06/09/10
TIME COL'D:1115

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	R	061510	1	EPA8270
1,3 Dichlorobenzene(sv)	ug/L	< 1		061510	1	EPA8270
1,4 Dichlorobenzene(sv)	ug/L	< 1		061510	1	EPA8270
Carbazole	ug/L	< 1		061510	1	EPA8270
1,2 Dichlorobenzene(sv)	ug/L	< 1		061510	1	EPA8270
Bis(2-chloroisopropyl)ether	ug/L	< 1		061510	1	EPA8270
N-Nitrosodi-n-propylamine	ug/L	< 1		061510	1	EPA8270
Hexachloroethane	ug/L	< 1		061510	1	EPA8270
Nitrobenzene	ug/L	< 1		061510	1	EPA8270
Isophorone	ug/L	< 1		061510	1	EPA8270
Bis(2-chloroethoxy)methane	ug/L	< 1		061510	1	EPA8270
124-Trichlorobenzene (sv)	ug/L	< 1		061510	1	EPA8270
Naphthalene(sv)	ug/L	< 1		061510	1	EPA8270
4-Chloroaniline	ug/L	< 1		061510	1	EPA8270
Hexachlorobutadiene	ug/L	< 1		061510	1	EPA8270
2-Methylnaphthalene	ug/L	< 1		061510	1	EPA8270
Hexachlorocyclopentadiene	ug/L	< 10		061510	10	EPA8270
2-Chloronaphthalene	ug/L	< 1		061510	1	EPA8270
2-Nitroaniline	ug/L	< 1		061510	1	EPA8270
Dimethyl Phthalate	ug/L	< 1		061510	1	EPA8270
Acenaphthylene	ug/L	< 1		061510	1	EPA8270
2,6-Dinitrotoluene	ug/L	< 1		061510	1	EPA8270
3-Nitroaniline	ug/L	< 1		061510	1	EPA8270
Acenaphthene	ug/L	< 1		061510	1	EPA8270
Dibenzofuran	ug/L	< 1		061510	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

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LAB NO.102565.11 06/23/10

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ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:06/09/10 RECEIVED:06/09/10
TIME COL'D:1115
MATRIX:Water SAMPLE: HP-407-U

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/L	< 1	R	061510	1	EPA8270
Diethyl Phthalate	ug/L	< 1		061510	1	EPA8270
4-Chlorophenyl phenyl ether	ug/L	< 1		061510	1	EPA8270
Fluorene	ug/L	< 1		061510	1	EPA8270
4-Nitroaniline	ug/L	< 1		061510	1	EPA8270
N-Nitrosodiphenylamine	ug/L	< 1		061510	1	EPA8270
4-Bromophenyl phenyl ether	ug/L	< 1		061510	1	EPA8270
Hexachlorobenzene	ug/L	< 1		061510	1	EPA8270
Phenanthrene	ug/L	< 1		061510	1	EPA8270
Anthracene	ug/L	< 1		061510	1	EPA8270
Di-n-Butyl Phthalate	ug/L	< 1		061510	1	EPA8270
Fluoranthene	ug/L	< 1		061510	1	EPA8270
Pyrene	ug/L	< 1		061510	1	EPA8270
BenzylButylPhthalate	ug/L	< 1		061510	1	EPA8270
3,3'-Dichlorobenzidine	ug/L	< 10		061510	10	EPA8270
Benzo(a)anthracene	ug/L	< 1		061510	1	EPA8270

cc:

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REMARKS:

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rn = 14679 NYSDOH ID # 10320 Page 4 of 10

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TIME COL'D:1115
MATRIX:Water SAMPLE: HP-407-U

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/L	< 1 R		061510	1	EPA8270
Bis(2-ethylhexyl)phthalate	ug/L	4.2 *R		061510	1	EPA8270
Di-n-octyl Phthalate	ug/L	< 1 R		061510	1	EPA8270
Benzo(b)fluoranthene	ug/L	< 1		061510	1	EPA8270
Benzo(k)fluoranthene	ug/L	< 1		061510	1	EPA8270
Benzo(a)pyrene	ug/L	< 1		061510	1	EPA8270
Indeno(1,2,3-cd)pyrene	ug/L	< 1		061510	1	EPA8270
Dibenzo(a,h)anthracene	ug/L	< 1		061510	1	EPA8270
Benzo(ghi)perylene	ug/L	< 1		061510	1	EPA8270

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REMARKS: *Recovery for all BN surrogates below limits:
Nitrobenzene-d5 (8% vs 16%)
2-Fluorobiphenyl (10% vs 17%)
Terphenyl-d14 (11% vs 22%)

6/27/10
DIRECTOR

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TIME COL'D:1115
MATRIX:Water SAMPLE: HP-407-U

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/L	< 1		061510	1	EPA8270
2-Chlorophenol	ug/L	< 1		061510	1	EPA8270
2-Methylphenol (o-cresol)	ug/L	< 1		061510	1	EPA8270
4-Methylphenol (p-cresol)	ug/L	< 1		061510	1	EPA8270
2-Nitrophenol	ug/L	< 1		061510	1	EPA8270
2,4-Dimethylphenol	ug/L	< 1		061510	1	EPA8270
2,4-Dichlorophenol	ug/L	< 1		061510	1	EPA8270
4-Chloro-3-methylphenol	ug/L	< 1		061510	1	EPA8270
2,4,6-Trichlorophenol	ug/L	< 1		061510	1	EPA8270
2,4,5-Trichlorophenol	ug/L	< 1		061510	1	EPA8270
2,4-Dinitrophenol	ug/L	< 10		061510	10	EPA8270
4-Nitrophenol	ug/L	< 10		061510	10	EPA8270
2-Methyl-4,6-dinitrophenol	ug/L	< 10		061510	10	EPA8270
Pentachlorophenol (ms)	ug/L	< 10		061510	10	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

8/27/10
DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*
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Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.102565.11 06/23/10

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:06/09/10 RECEIVED:06/09/10
TIME COL'D:1115
MATRIX:Water SAMPLE: HP-407-U

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/L	< 0.05		061510	0.05	EPA608
Heptachlor	ug/L	< 0.05		061510	0.05	EPA608
Aldrin	ug/L	< 0.05		061510	0.05	EPA608
Heptachlor Epoxide	ug/L	< 0.05		061510	0.05	EPA608
p,p-DDE	ug/L	< 0.05		061510	0.05	EPA608
Dieldrin	ug/L	< 0.05		061510	0.05	EPA608
Endrin	ug/L	< 0.05		061510	0.05	EPA608
p,p-DDD	ug/L	< 0.05		061510	0.05	EPA608
p,p-DDT	ug/L	< 0.1		061510	0.1	EPA608
Chlordane	ug/L	< 0.2		061510	0.2	EPA608
Toxaphene	ug/L	< 1		061510	1	EPA608
Endrin Ketone	ug/L	< 0.1		061510	0.1	EPA608
a BHC	ug/L	< 0.05		061510	0.05	EPA608
b BHC	ug/L	< 0.05		061510	0.05	EPA608
d BHC	ug/L	< 0.05		061510	0.05	EPA608
Endosulfan 1	ug/L	< 0.1		061510	0.1	EPA608

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SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:06/09/10 RECEIVED:06/09/10
TIME COL'D:1115
MATRIX:Water SAMPLE: HP-407-U

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Endosulfan 2	ug/L	< 0.1		061510	0.1	EPA608
Endosulfan Sulfate	ug/L	< 0.3		061510	0.3	EPA608
Methoxychlor	ug/L	< 0.1		061510	0.1	EPA608
Endrin Aldehyde	ug/L	< 0.3		061510	0.3	EPA608
Aroclor 1016	ug/L	< 0.065		061610	0.065	EPA608
Aroclor 1221	ug/L	< 0.065		061610	0.065	EPA608
Aroclor 1232	ug/L	< 0.065		061610	0.065	EPA608
Aroclor 1242	ug/L	< 0.065		061610	0.065	EPA608
Aroclor 1248	ug/L	< 0.065		061610	0.065	EPA608
Aroclor 1254	ug/L	< 0.065		061610	0.065	EPA608
Aroclor 1260	ug/L	< 0.065		061610	0.065	EPA608

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TIME COL'D:1115

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		061610	0.05	EPA200.7
Antimony as Sb	mg/L	< 0.05		061610	0.05	EPA200.7
Arsenic as As	mg/L	< 0.025		061610	0.025	EPA200.7
Barium as Ba	mg/L	0.91		061610	0.025	EPA200.7
Beryllium as Be	mg/L	< 0.001		061610	0.005	EPA200.7
Cadmium as Cd	mg/L	< 0.025		061610	0.025	EPA200.7
Calcium as Ca	mg/L	100		061610	1	EPA200.7
Chromium as Cr	mg/L	< 0.025		061610	0.025	EPA200.7
Cobalt as Co	mg/L	< 0.025		061610	0.025	EPA200.7
Copper as Cu	mg/L	< 0.05		061610	0.05	EPA200.7
Iron as Fe	mg/L	1.4		061610	0.05	EPA200.7
Lead as Pb	mg/L	< 0.025		061610	0.025	EPA200.7
Magnesium as Mg	mg/L	110		061610	0.025	EPA200.7
Manganese as Mn	mg/L	0.4		061610	0.05	EPA200.7
Mercury as Hg	mg/L	< 0.001		061510	0.001	EPA245.2
Nickel as Ni	mg/L	< 0.05		061610	0.05	EPA200.7
Potassium as K	mg/L	61		061610	50	EPA200.7
Selenium as Se	mg/L	< 0.05		061610	0.05	EPA200.7
Silver as Ag	mg/L	< 0.025		061610	0.025	EPA200.7
Sodium as Na	mg/L	310		061610	5	EPA200.7
Thallium as Tl	mg/L	< 0.025		061610	0.025	EPA200.7
Vanadium as V	mg/L	< 0.025		061610	0.025	EPA200.7
Zinc as Zn	mg/L	< 0.05		061610	0.05	EPA200.7
Hardness as CaCO3	mg/L	720		061610	2.6	EPA200.7

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REMARKS:

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rn = 14684 NYSDOH ID # 10320 Page 9 of 10

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LAB NO.102565.11 06/23/10

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:06/09/10 RECEIVED:06/09/10
TIME COL'D:1115
MATRIX:Water SAMPLE: HP-407-U

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Cyanide as CN	mg/L	< 0.02		061410	0.02	EPA335.4
Ammonia as N	mg/L	90		061410	0.2	SM4500NH3C
Chloride as Cl	mg/L	370		061010	20	204500C1B
Nitrate as N	mg/L	< 0.5		061010	0.5	EPA353.2
Sulfate as SO4	mg/L	30		061110	10	AS D516-02
Tot Dissolved Solids	mg/L	1800		061010	10	2540C
Tot. Kjeldahl N.	mg/L	94		061510	0.2	SM4500NORGB
Alkalinity tot CaCo3	mg/L	1400		061010	10	SM182320B
Phenols as Phenol	mg/L	< 0.001		061410	0.001	EPA420.1

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REMARKS:

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DIRECTOR

rn = 14685 NYSDOH ID # 10320 Page 10 of 10

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LAB NO.102565.12 06/23/10

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:06/09/10 RECEIVED:06/09/10
TIME COL'D:1210

MATRIX:Water SAMPLE: HP-407-S

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chloromethane	ug/L	< 1		061010	1	EPA8260
Bromomethane	ug/L	< 1		061010	1	EPA8260
Vinyl Chloride	ug/L	< 1		061010	1	EPA8260
Chloroethane	ug/L	< 1		061010	1	EPA8260
Methylene Chloride	ug/L	< 1		061010	1	EPA8260
Acetone	ug/L	< 10	R	061010	10	EPA8260
Carbon disulfide	ug/L	< 1		061010	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		061010	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		061010	1	EPA8260
1,2 Dichloroethene	ug/L	< 2		061010	2	EPA8260
Chloroform	ug/L	< 1		061010	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		061010	1	EPA8260
2-Butanone	ug/L	< 10		061010	10	EPA8260
111 Trichloroethane	ug/L	< 1		061010	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		061010	1	EPA8260
Bromodichloromethane	ug/L	< 1		061010	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		061010	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		061010	1	EPA8260
Trichloroethene	ug/L	< 1		061010	1	EPA8260
Chlorodibromomethane	ug/L	< 1		061010	1	EPA8260
112 Trichloroethane	ug/L	< 1		061010	1	EPA8260
Benzene	ug/L	< 1		061010	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		061010	1	EPA8260
Bromoform	ug/L	< 1		061010	1	EPA8260
4-Methyl-2-Pentanone	ug/L	< 10		061010	10	EPA8260

cc:

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REMARKS:

8/27/10
DIRECTOR

rn = 14686 NYSDOH ID # 10320 Page 1 of 10

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

LAB NO.102565.12 06/23/10

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:06/09/10 RECEIVED:06/09/10
TIME COL'D:1210
MATRIX:Water SAMPLE: HP-407-S

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2-Hexanone	ug/L	< 10		061010	10	EPA8260
Tetrachloroethene	ug/L	< 1		061010	1	EPA8260
Toluene	ug/L	< 1		061010	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		061010	1	EPA8260
Chlorobenzene	ug/L	< 1		061010	1	EPA8260
Ethyl Benzene	ug/L	< 1		061010	1	EPA8260
Styrene	ug/L	< 1		061010	1	EPA8260
o Xylene	ug/L	< 1		061010	1	EPA8260
m + p Xylene	ug/L	< 2		061010	2	EPA8260
Xylene	ug/L	< 3		061010	3	EPA8260

cc:

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REMARKS:

8/27/10

DIRECTOR

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ATTN: Vincent G. Pelusio PO#:30-019

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:06/09/10 RECEIVED:06/09/10
TIME COL'D:1210

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		061510	1	EPA8270
1,3 Dichlorobenzene(sv)	ug/L	< 1		061510	1	EPA8270
1,4 Dichlorobenzene(sv)	ug/L	< 1		061510	1	EPA8270
Carbazole	ug/L	< 1		061510	1	EPA8270
1,2 Dichlorobenzene(sv)	ug/L	< 1		061510	1	EPA8270
Bis(2-chloroisopropyl)ether	ug/L	< 1		061510	1	EPA8270
N-Nitrosodi-n-propylamine	ug/L	< 1		061510	1	EPA8270
Hexachloroethane	ug/L	< 1		061510	1	EPA8270
Nitrobenzene	ug/L	< 1		061510	1	EPA8270
Isophorone	ug/L	< 1		061510	1	EPA8270
Bis(2-chloroethoxy)methane	ug/L	< 1		061510	1	EPA8270
124-Trichlorobenzene (sv)	ug/L	< 1		061510	1	EPA8270
Naphthalene(sv)	ug/L	< 1		061510	1	EPA8270
4-Chloroaniline	ug/L	< 1		061510	1	EPA8270
Hexachlorobutadiene	ug/L	< 1		061510	1	EPA8270
2-Methylnaphthalene	ug/L	< 1		061510	1	EPA8270
Hexachlorocyclopentadiene	ug/L	< 10		061510	10	EPA8270
2-Chloronaphthalene	ug/L	< 1		061510	1	EPA8270
2-Nitroaniline	ug/L	< 1		061510	1	EPA8270
Dimethyl Phthalate	ug/L	< 1		061510	1	EPA8270
Acenaphthylene	ug/L	< 1		061510	1	EPA8270
2,6-Dinitrotoluene	ug/L	< 1		061510	1	EPA8270
3-Nitroaniline	ug/L	< 1		061510	1	EPA8270
Acenaphthene	ug/L	< 1		061510	1	EPA8270
Dibenzofuran	ug/L	< 1		061510	1	EPA8270

cc:

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REMARKS:

8/27/10

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COLLECTED BY: Client DATE COL'D:06/09/10 RECEIVED:06/09/10
TIME COL'D:1210
MATRIX:Water SAMPLE: HP-407-S

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/L	< 1		061510	1	EPA8270
Diethyl Phthalate	ug/L	< 1		061510	1	EPA8270
4-Chlorophenyl phenyl ether	ug/L	< 1		061510	1	EPA8270
Fluorene	ug/L	< 1		061510	1	EPA8270
4-Nitroaniline	ug/L	< 1		061510	1	EPA8270
N-Nitrosodiphenylamine	ug/L	< 1		061510	1	EPA8270
4-Bromophenyl phenyl ether	ug/L	< 1		061510	1	EPA8270
Hexachlorobenzene	ug/L	< 1		061510	1	EPA8270
Phenanthrene	ug/L	< 1		061510	1	EPA8270
Anthracene	ug/L	< 1		061510	1	EPA8270
Di-n-Butyl Phthalate	ug/L	< 1		061510	1	EPA8270
Fluoranthene	ug/L	< 1		061510	1	EPA8270
Pyrene	ug/L	< 1		061510	1	EPA8270
BenzylButylPhthalate	ug/L	< 1		061510	1	EPA8270
3,3'-Dichlorobenzidine	ug/L	< 10		061510	10	EPA8270
Benzo(a)anthracene	ug/L	< 1		061510	1	EPA8270

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TIME COL'D:1210
MATRIX:Water SAMPLE: HP-407-S

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/L	< 1		061510	1	EPA8270
Bis(2-ethylhexyl)phthalate	ug/L	2.4	u	061510	1	EPA8270
Di-n-octyl Phthalate	ug/L	< 1		061510	1	EPA8270
Benzo(b)fluoranthene	ug/L	< 1		061510	1	EPA8270
Benzo(k)fluoranthene	ug/L	< 1		061510	1	EPA8270
Benzo(a)pyrene	ug/L	< 1		061510	1	EPA8270
Indeno(1,2,3-cd)pyrene	ug/L	< 1		061510	1	EPA8270
Dibenzo(a,h)anthracene	ug/L	< 1		061510	1	EPA8270
Benzo(ghi)perylene	ug/L	< 1		061510	1	EPA8270

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ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/L	< 1		061510	1	EPA8270
2-Chlorophenol	ug/L	< 1		061510	1	EPA8270
2-Methylphenol (o-cresol)	ug/L	< 1		061510	1	EPA8270
4-Methylphenol (p-cresol)	ug/L	< 1		061510	1	EPA8270
2-Nitrophenol	ug/L	< 1		061510	1	EPA8270
2,4-Dimethylphenol	ug/L	< 1		061510	1	EPA8270
2,4-Dichlorophenol	ug/L	< 1		061510	1	EPA8270
4-Chloro-3-methylphenol	ug/L	< 1		061510	1	EPA8270
2,4,6-Trichlorophenol	ug/L	< 1		061510	1	EPA8270
2,4,5-Trichlorophenol	ug/L	< 1		061510	1	EPA8270
2,4-Dinitrophenol	ug/L	< 10		061510	10	EPA8270
4-Nitrophenol	ug/L	< 10		061510	10	EPA8270
2-Methyl-4,6-dinitrophenol	ug/L	< 10		061510	10	EPA8270
Pentachlorophenol (ms)	ug/L	< 10		061510	10	EPA8270

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TIME COL'D:1210
MATRIX:Water SAMPLE: HP-407-S

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/L	< 0.05		061510	0.05	EPA608
Heptachlor	ug/L	< 0.05		061510	0.05	EPA608
Aldrin	ug/L	< 0.05		061510	0.05	EPA608
Heptachlor Epoxide	ug/L	< 0.05		061510	0.05	EPA608
p,p-DDE	ug/L	< 0.05		061510	0.05	EPA608
Dieldrin	ug/L	< 0.05		061510	0.05	EPA608
Endrin	ug/L	< 0.05		061510	0.05	EPA608
p,p-DDD	ug/L	< 0.05		061510	0.05	EPA608
p,p-DDT	ug/L	< 0.1		061510	0.1	EPA608
Chlordane	ug/L	< 0.2		061510	0.2	EPA608
Toxaphene	ug/L	< 1		061510	1	EPA608
Endrin Ketone	ug/L	< 0.1		061510	0.1	EPA608
a BHC	ug/L	< 0.05		061510	0.05	EPA608
b BHC	ug/L	< 0.05		061510	0.05	EPA608
d BHC	ug/L	< 0.05		061510	0.05	EPA608
Endosulfan 1	ug/L	< 0.1		061510	0.1	EPA608

cc:

LRL=Laboratory Reporting Limit

REMARKS:

8/27/10

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

LAB NO.102565.12 06/23/10

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:06/09/10 RECEIVED:06/09/10
TIME COL'D:1210
MATRIX:Water SAMPLE: HP-407-S

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Endosulfan 2	ug/L	< 0.1		061510	0.1	EPA608
Endosulfan Sulfate	ug/L	< 0.3		061510	0.3	EPA608
Methoxychlor	ug/L	< 0.1		061510	0.1	EPA608
Endrin Aldehyde	ug/L	< 0.3		061510	0.3	EPA608
Aroclor 1016	ug/L	< 0.065		061610	0.065	EPA608
Aroclor 1221	ug/L	< 0.065		061610	0.065	EPA608
Aroclor 1232	ug/L	< 0.065		061610	0.065	EPA608
Aroclor 1242	ug/L	< 0.065		061610	0.065	EPA608
Aroclor 1248	ug/L	< 0.065		061610	0.065	EPA608
Aroclor 1254	ug/L	< 0.065		061610	0.065	EPA608
Aroclor 1260	ug/L	< 0.065		061610	0.065	EPA608

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REMARKS:

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TIME COL'D:1210
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		061610	0.05	EPA200.7
Antimony as Sb	mg/L	< 0.05		061610	0.05	EPA200.7
Arsenic as As	mg/L	< 0.025		061610	0.025	EPA200.7
Barium as Ba	mg/L	0.16		061610	0.025	EPA200.7
Beryllium as Be	mg/L	< 0.025		061610	0.005	EPA200.7
Cadmium as Cd	mg/L	< 0.025		061610	0.025	EPA200.7
Calcium as Ca	mg/L	220		061610	1	EPA200.7
Chromium as Cr	mg/L	< 0.025		061610	0.025	EPA200.7
Cobalt as Co	mg/L	< 0.025		061610	0.025	EPA200.7
Copper as Cu	mg/L	< 0.05		061610	0.05	EPA200.7
Iron as Fe	mg/L	12		061610	0.05	EPA200.7
Lead as Pb	mg/L	< 0.025		061610	0.025	EPA200.7
Magnesium as Mg	mg/L	480		061610	0.025	EPA200.7
Manganese as Mn	mg/L	0.52		061610	0.05	EPA200.7
Mercury as Hg	mg/L	< 0.001		061510	0.001	EPA245.2
Nickel as Ni	mg/L	< 0.05		061610	0.05	EPA200.7
Potassium as K	mg/L	240		061610	50	EPA200.7
Selenium as Se	mg/L	< 0.05		061610	0.05	EPA200.7
Silver as Ag	mg/L	< 0.025		061610	0.025	EPA200.7
Sodium as Na	mg/L	3800		061610	50	EPA200.7
Thallium as Tl	mg/L	< 0.025		061610	0.025	EPA200.7
Vanadium as V	mg/L	< 0.025		061610	0.025	EPA200.7
Zinc as Zn	mg/L	< 0.05		061610	0.05	EPA200.7
Hardness as CaCO3	mg/L	2500		061610	2.6	EPA200.7

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REMARKS:

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TIME COL'D:1210
MATRIX:Water SAMPLE: HP-407-S

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Cyanide as CN	mg/L	< 0.02		061410	0.02	EPA335.4
Ammonia as N	mg/L	10		061410	0.2	SM4500NH3C
Chloride as Cl	mg/L	8100		061010	100	204500C1B
Nitrate as N	mg/L	< 0.5		061010	0.5	EPA353.2
Sulfate as SO4	mg/L	750		061110	125	AS D516-02
Tot Dissolved Solids	mg/L	14000		061010	10	2540C
Tot. Kjeldahl N.	mg/L	12		061510	0.2	SM4500NORGB
Alkalinity tot CaCo3	mg/L	800		061010	10	SM182320B
Phenols as Phenol	mg/L	< 0.001		061410	0.001	EPA420.1

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SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:06/09/10 RECEIVED:06/09/10
TIME COL'D:0900

MATRIX:Water SAMPLE: HP-318

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chloromethane	ug/L	< 1		061010	1	EPA8260
Bromomethane	ug/L	< 1		061010	1	EPA8260
Vinyl Chloride	ug/L	< 1		061010	1	EPA8260
Chloroethane	ug/L	< 1		061010	1	EPA8260
Methylene Chloride	ug/L	< 1		061010	1	EPA8260
Acetone	ug/L	< 10	R	061010	10	EPA8260
Carbon disulfide	ug/L	< 1		061010	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		061010	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		061010	1	EPA8260
1,2 Dichloroethene	ug/L	< 2		061010	2	EPA8260
Chloroform	ug/L	< 1		061010	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		061010	1	EPA8260
2-Butanone	ug/L	< 10		061010	10	EPA8260
111 Trichloroethane	ug/L	< 1		061010	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		061010	1	EPA8260
Bromodichloromethane	ug/L	< 1		061010	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		061010	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		061010	1	EPA8260
Trichloroethene	ug/L	< 1		061010	1	EPA8260
Chlorodibromomethane	ug/L	< 1		061010	1	EPA8260
112 Trichloroethane	ug/L	< 1		061010	1	EPA8260
Benzene	ug/L	< 1		061010	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		061010	1	EPA8260
Bromoform	ug/L	< 1		061010	1	EPA8260
4-Methyl-2-Pentanone	ug/L	< 10		061010	10	EPA8260

cc:

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REMARKS:

MW 8/27/10

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rn = 14696 NYSDOH ID # 10320 Page 1 of 10

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SOURCE OF SAMPLE:
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TIME COL'D:0900
MATRIX:Water SAMPLE: HP-318

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2-Hexanone	ug/L	< 10		061010	10	EPA8260
Tetrachloroethene	ug/L	< 1		061010	1	EPA8260
Toluene	ug/L	< 1		061010	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		061010	1	EPA8260
Chlorobenzene	ug/L	9		061010	1	EPA8260
Ethyl Benzene	ug/L	< 1		061010	1	EPA8260
Styrene	ug/L	< 1		061010	1	EPA8260
o Xylene	ug/L	< 1		061010	1	EPA8260
m + p Xylene	ug/L	< 2		061010	2	EPA8260
Xylene	ug/L	< 3		061010	3	EPA8260

cc:

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REMARKS:

NEW
8/27/10
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Bis(2-chloroethyl)ether	ug/L	< 1		061510	1	EPA8270
1,3 Dichlorobenzene(sv)	ug/L	< 1		061510	1	EPA8270
1,4 Dichlorobenzene(sv)	ug/L	< 1		061510	1	EPA8270
Carbazole	ug/L	< 1		061510	1	EPA8270
1,2 Dichlorobenzene(sv)	ug/L	< 1		061510	1	EPA8270
Bis(2-chloroisopropyl)ether	ug/L	< 1		061510	1	EPA8270
N-Nitrosodi-n-propylamine	ug/L	< 1		061510	1	EPA8270
Hexachloroethane	ug/L	< 1		061510	1	EPA8270
Nitrobenzene	ug/L	< 1		061510	1	EPA8270
Isophorone	ug/L	< 1		061510	1	EPA8270
Bis(2-chloroethoxy)methane	ug/L	< 1		061510	1	EPA8270
124-Trichlorobenzene (sv)	ug/L	< 1		061510	1	EPA8270
Naphthalene(sv)	ug/L	< 1		061510	1	EPA8270
4-Chloroaniline	ug/L	< 1		061510	1	EPA8270
Hexachlorobutadiene	ug/L	< 1		061510	1	EPA8270
2-Methylnaphthalene	ug/L	< 1		061510	1	EPA8270
Hexachlorocyclopentadiene	ug/L	< 10		061510	10	EPA8270
2-Chloronaphthalene	ug/L	< 1		061510	1	EPA8270
2-Nitroaniline	ug/L	< 1		061510	1	EPA8270
Dimethyl Phthalate	ug/L	< 1		061510	1	EPA8270
Acenaphthylene	ug/L	< 1		061510	1	EPA8270
2,6-Dinitrotoluene	ug/L	< 1		061510	1	EPA8270
3-Nitroaniline	ug/L	< 1		061510	1	EPA8270
Acenaphthene	ug/L	8.2		061510	1	EPA8270
Dibenzofuran	ug/L	2.9		061510	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

hw
8/27/10

DIRECTOR

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COLLECTED BY: Client DATE COL'D:06/09/10 RECEIVED:06/09/10
TIME COL'D:0900
MATRIX:Water SAMPLE: HP-318

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/L	< 1		061510	1	EPA8270
Diethyl Phthalate	ug/L	< 1		061510	1	EPA8270
4-Chlorophenyl phenyl ether	ug/L	< 1		061510	1	EPA8270
Fluorene	ug/L	1.5		061510	1	EPA8270
4-Nitroaniline	ug/L	< 1		061510	1	EPA8270
N-Nitrosodiphenylamine	ug/L	< 1		061510	1	EPA8270
4-Bromophenyl phenyl ether	ug/L	< 1		061510	1	EPA8270
Hexachlorobenzene	ug/L	< 1		061510	1	EPA8270
Phenanthrene	ug/L	< 1		061510	1	EPA8270
Anthracene	ug/L	< 1		061510	1	EPA8270
Di-n-Butyl Phthalate	ug/L	< 1		061510	1	EPA8270
Fluoranthene	ug/L	< 1		061510	1	EPA8270
Pyrene	ug/L	< 1		061510	1	EPA8270
BenzylButylPhthalate	ug/L	< 1		061510	1	EPA8270
3,3'-Dichlorobenzidine	ug/L	< 10		061510	10	EPA8270
Benzo(a)anthracene	ug/L	< 1		061510	1	EPA8270

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REMARKS:

MW 8/27/10

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Chrysene	ug/L	< 1		061510	1	EPA8270
Bis(2-ethylhexyl)phthalate	ug/L	1.1	u	061510	1	EPA8270
Di-n-octyl Phthalate	ug/L	< 1		061510	1	EPA8270
Benzo(b)fluoranthene	ug/L	< 1		061510	1	EPA8270
Benzo(k)fluoranthene	ug/L	< 1		061510	1	EPA8270
Benzo(a)pyrene	ug/L	< 1		061510	1	EPA8270
Indeno(1,2,3-cd)pyrene	ug/L	< 1		061510	1	EPA8270
Dibenzo(a,h)anthracene	ug/L	< 1		061510	1	EPA8270
Benzo(ghi)perylene	ug/L	< 1		061510	1	EPA8270

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ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/L	< 1		061510	1	EPA8270
2-Chlorophenol	ug/L	< 1		061510	1	EPA8270
2-Methylphenol (o-cresol)	ug/L	< 1		061510	1	EPA8270
4-Methylphenol (p-cresol)	ug/L	< 1		061510	1	EPA8270
2-Nitrophenol	ug/L	< 1		061510	1	EPA8270
2,4-Dimethylphenol	ug/L	< 1		061510	1	EPA8270
2,4-Dichlorophenol	ug/L	< 1		061510	1	EPA8270
4-Chloro-3-methylphenol	ug/L	< 1		061510	1	EPA8270
2,4,6-Trichlorophenol	ug/L	< 1		061510	1	EPA8270
2,4,5-Trichlorophenol	ug/L	< 1		061510	1	EPA8270
2,4-Dinitrophenol	ug/L	< 10		061510	10	EPA8270
4-Nitrophenol	ug/L	< 10		061510	10	EPA8270
2-Methyl-4,6-dinitrophenol	ug/L	< 10		061510	10	EPA8270
Pentachlorophenol (ms)	ug/L	< 10		061510	10	EPA8270

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ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/L	< 0.05		061510	0.05	EPA608
Heptachlor	ug/L	< 0.05		061510	0.05	EPA608
Aldrin	ug/L	< 0.05		061510	0.05	EPA608
Heptachlor Epoxide	ug/L	< 0.05		061510	0.05	EPA608
p,p-DDE	ug/L	< 0.05		061510	0.05	EPA608
Dieldrin	ug/L	< 0.05		061510	0.05	EPA608
Endrin	ug/L	< 0.05		061510	0.05	EPA608
p,p-DDD	ug/L	< 0.05		061510	0.05	EPA608
p,p-DDT	ug/L	< 0.1		061510	0.1	EPA608
Chlordane	ug/L	< 0.2		061510	0.2	EPA608
Toxaphene	ug/L	< 1		061510	1	EPA608
Endrin Ketone	ug/L	< 0.1		061510	0.1	EPA608
a BHC	ug/L	< 0.05		061510	0.05	EPA608
b BHC	ug/L	< 0.05		061510	0.05	EPA608
d BHC	ug/L	< 0.05		061510	0.05	EPA608
Endosulfan 1	ug/L	< 0.1		061510	0.1	EPA608

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ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Endosulfan 2	ug/L	< 0.1		061510	0.1	EPA608
Endosulfan Sulfate	ug/L	< 0.3		061510	0.3	EPA608
Methoxychlor	ug/L	< 0.1		061510	0.1	EPA608
Endrin Aldehyde	ug/L	< 0.3		061510	0.3	EPA608
Aroclor 1016	ug/L	< 0.065		061610	0.065	EPA608
Aroclor 1221	ug/L	< 0.065		061610	0.065	EPA608
Aroclor 1232	ug/L	< 0.065		061610	0.065	EPA608
Aroclor 1242	ug/L	< 0.065		061610	0.065	EPA608
Aroclor 1248	ug/L	< 0.065		061610	0.065	EPA608
Aroclor 1254	ug/L	< 0.065		061610	0.065	EPA608
Aroclor 1260	ug/L	< 0.065		061610	0.065	EPA608

cc:

LRL=Laboratory Reporting Limit

REMARKS:

MW 8/27/10

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.102565.13 06/23/10

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:06/09/10 RECEIVED:06/09/10
TIME COL'D:0900

MATRIX:Water SAMPLE: HP-318

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/L	< 0.05		061610	0.05	EPA200.7
Antimony as Sb	mg/L	< 0.05		061610	0.05	EPA200.7
Arsenic as As	mg/L	< 0.025		061610	0.025	EPA200.7
Barium as Ba	mg/L	0.032		061610	0.025	EPA200.7
Beryllium as Be	mg/L	< 0.005		061610	0.005	EPA200.7
Cadmium as Cd	mg/L	< 0.025		061610	0.025	EPA200.7
Calcium as Ca	mg/L	91		061610	1	EPA200.7
Chromium as Cr	mg/L	< 0.025		061610	0.025	EPA200.7
Cobalt as Co	mg/L	< 0.025		061610	0.025	EPA200.7
Copper as Cu	mg/L	< 0.05		061610	0.05	EPA200.7
Iron as Fe	mg/L	5.6		061610	0.05	EPA200.7
Lead as Pb	mg/L	< 0.025		061610	0.025	EPA200.7
Magnesium as Mg	mg/L	29		061610	0.025	EPA200.7
Manganese as Mn	mg/L	0.18		061610	0.05	EPA200.7
Mercury as Hg	mg/L	< 0.001		061510	0.001	EPA245.2
Nickel as Ni	mg/L	< 0.05		061610	0.05	EPA200.7
Potassium as K	mg/L	29		061610	5	EPA200.7
Selenium as Se	mg/L	< 0.05		061610	0.05	EPA200.7
Silver as Ag	mg/L	< 0.025		061610	0.025	EPA200.7
Sodium as Na	mg/L	240		061610	5	EPA200.7
Thallium as Tl	mg/L	< 0.025		061610	0.025	EPA200.7
Vanadium as V	mg/L	< 0.025		061610	0.025	EPA200.7
Zinc as Zn	mg/L	< 0.05		061610	0.05	EPA200.7
Hardness as CaCO3	mg/L	350		061610	2.6	EPA200.7

cc:

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REMARKS:

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8/27/10
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LAB NO.102565.13 06/23/10

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:06/09/10 RECEIVED:06/09/10
TIME COL'D:0900
MATRIX:Water SAMPLE: HP-318

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Cyanide as CN	mg/L	< 0.02		061410	0.02	EPA335.4
Ammonia as N	mg/L	21		061410	0.2	SM4500NH3C
Chloride as Cl	mg/L	430		061010	20	204500C1B
Nitrate as N	mg/L	< 0.5		061010	0.5	EPA353.2
Sulfate as SO4	mg/L	20		061110	10	AS D516-02
Tot Dissolved Solids	mg/L	1100		061010	10	2540C
Tot. Kjeldahl N.	mg/L	22		061510	0.2	SM4500NORGB
Alkalinity tot CaCo3	mg/L	130		061010	10	SM182320B
Phenols as Phenol	mg/L	< 0.001		061410	0.001	EPA420.1

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REMARKS:

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rn = 14705 NYSDOH ID # 10320 Page 10 of 10

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*
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LAB NO.102565.14 06/23/10

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:06/09/10 RECEIVED:06/09/10
TIME COL'D:1330
MATRIX:Water SAMPLE: Field Blank

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chloromethane	ug/L	< 1		061010	1	EPA8260
Bromomethane	ug/L	< 1		061010	1	EPA8260
Vinyl Chloride	ug/L	< 1		061010	1	EPA8260
Chloroethane	ug/L	< 1		061010	1	EPA8260
Methylene Chloride	ug/L	< 1		061010	1	EPA8260
Acetone	ug/L	< 10	R	061010	10	EPA8260
Carbon disulfide	ug/L	< 1		061010	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		061010	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		061010	1	EPA8260
1,2 Dichloroethene	ug/L	< 2		061010	2	EPA8260
Chloroform	ug/L	< 1		061010	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		061010	1	EPA8260
2-Butanone	ug/L	< 10		061010	10	EPA8260
111 Trichloroethane	ug/L	< 1		061010	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		061010	1	EPA8260
Bromodichloromethane	ug/L	< 1		061010	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		061010	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		061010	1	EPA8260
Trichloroethene	ug/L	< 1		061010	1	EPA8260
Chlorodibromomethane	ug/L	< 1		061010	1	EPA8260
112 Trichloroethane	ug/L	< 1		061010	1	EPA8260
Benzene	ug/L	< 1		061010	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		061010	1	EPA8260
Bromoform	ug/L	< 1		061010	1	EPA8260
4-Methyl-2-Pentanone	ug/L	< 10		061010	10	EPA8260

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REMARKS:

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DIRECTOR

rn = 14706 NYSDOH ID # 10320 Page 1 of 10

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LAB NO.102565.14 06/23/10

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:06/09/10 RECEIVED:06/09/10
TIME COL'D:1330
MATRIX:Water SAMPLE: Field Blank

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2-Hexanone	ug/L	< 10		061010	10	EPA8260
Tetrachloroethene	ug/L	< 1		061010	1	EPA8260
Toluene	ug/L	< 1		061010	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		061010	1	EPA8260
Chlorobenzene	ug/L	< 1		061010	1	EPA8260
Ethyl Benzene	ug/L	< 1		061010	1	EPA8260
Styrene	ug/L	< 1		061010	1	EPA8260
o Xylene	ug/L	< 1		061010	1	EPA8260
m + p Xylene	ug/L	< 2		061010	2	EPA8260
Xylene	ug/L	< 3		061010	3	EPA8260

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REMARKS:

MW 8/27/10

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rn = 14707 NYSDOH ID # 10320 Page 2 of 10

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ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/L	< 1		061510	1	EPA8270
1,3 Dichlorobenzene(sv)	ug/L	< 1		061510	1	EPA8270
1,4 Dichlorobenzene(sv)	ug/L	< 1		061510	1	EPA8270
Carbazole	ug/L	< 1		061510	1	EPA8270
1,2 Dichlorobenzene(sv)	ug/L	< 1		061510	1	EPA8270
Bis(2-chloroisopropyl)ether	ug/L	< 1		061510	1	EPA8270
N-Nitrosodi-n-propylamine	ug/L	< 1		061510	1	EPA8270
Hexachloroethane	ug/L	< 1		061510	1	EPA8270
Nitrobenzene	ug/L	< 1		061510	1	EPA8270
Isophorone	ug/L	< 1		061510	1	EPA8270
Bis(2-chloroethoxy)methane	ug/L	< 1		061510	1	EPA8270
124-Trichlorobenzene (sv)	ug/L	< 1		061510	1	EPA8270
Naphthalene(sv)	ug/L	< 1		061510	1	EPA8270
4-Chloroaniline	ug/L	< 1		061510	1	EPA8270
Hexachlorobutadiene	ug/L	< 1		061510	1	EPA8270
2-Methylnaphthalene	ug/L	< 1		061510	1	EPA8270
Hexachlorocyclopentadiene	ug/L	< 10		061510	10	EPA8270
2-Chloronaphthalene	ug/L	< 1		061510	1	EPA8270
2-Nitroaniline	ug/L	< 1		061510	1	EPA8270
Dimethyl Phthalate	ug/L	< 1		061510	1	EPA8270
Acenaphthylene	ug/L	< 1		061510	1	EPA8270
2,6-Dinitrotoluene	ug/L	< 1		061510	1	EPA8270
3-Nitroaniline	ug/L	< 1		061510	1	EPA8270
Acenaphthene	ug/L	< 1		061510	1	EPA8270
Dibenzofuran	ug/L	< 1		061510	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

NW 8/27/10

DIRECTOR

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LAB NO.102565.14 06/23/10

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:06/09/10 RECEIVED:06/09/10
TIME COL'D:1330
MATRIX:Water SAMPLE: Field Blank

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/L	< 1		061510	1	EPA8270
Diethyl Phthalate	ug/L	< 1		061510	1	EPA8270
4-Chlorophenyl phenyl ether	ug/L	< 1		061510	1	EPA8270
Fluorene	ug/L	< 1		061510	1	EPA8270
4-Nitroaniline	ug/L	< 1		061510	1	EPA8270
N-Nitrosodiphenylamine	ug/L	< 1		061510	1	EPA8270
4-Bromophenyl phenyl ether	ug/L	< 1		061510	1	EPA8270
Hexachlorobenzene	ug/L	< 1		061510	1	EPA8270
Phenanthrene	ug/L	< 1		061510	1	EPA8270
Anthracene	ug/L	< 1		061510	1	EPA8270
Di-n-Butyl Phthalate	ug/L	< 1		061510	1	EPA8270
Fluoranthene	ug/L	< 1		061510	1	EPA8270
Pyrene	ug/L	< 1		061510	1	EPA8270
BenzylButylPhthalate	ug/L	< 1		061510	1	EPA8270
3,3'-Dichlorobenzidine	ug/L	< 10		061510	10	EPA8270
Benzo(a)anthracene	ug/L	< 1		061510	1	EPA8270

cc:

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REMARKS:

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ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/L	< 1		061510	1	EPA8270
Bis(2-ethylhexyl)phthalate	ug/L	6.6 4		061510	1	EPA8270
Di-n-octyl Phthalate	ug/L	< 1		061510	1	EPA8270
Benzo(b)fluoranthene	ug/L	< 1		061510	1	EPA8270
Benzo(k)fluoranthene	ug/L	< 1		061510	1	EPA8270
Benzo(a)pyrene	ug/L	< 1		061510	1	EPA8270
Indeno(1,2,3-cd)pyrene	ug/L	< 1		061510	1	EPA8270
Dibenzo(a,h)anthracene	ug/L	< 1		061510	1	EPA8270
Benzo(ghi)perylene	ug/L	< 1		061510	1	EPA8270

cc:

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ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/L	< 1		061510	1	EPA8270
2-Chlorophenol	ug/L	< 1		061510	1	EPA8270
2-Methylphenol (o-cresol)	ug/L	< 1		061510	1	EPA8270
4-Methylphenol (p-cresol)	ug/L	< 1		061510	1	EPA8270
2-Nitrophenol	ug/L	< 1		061510	1	EPA8270
2,4-Dimethylphenol	ug/L	< 1		061510	1	EPA8270
2,4-Dichlorophenol	ug/L	< 1		061510	1	EPA8270
4-Chloro-3-methylphenol	ug/L	< 1		061510	1	EPA8270
2,4,6-Trichlorophenol	ug/L	< 1		061510	1	EPA8270
2,4,5-Trichlorophenol	ug/L	< 1		061510	1	EPA8270
2,4-Dinitrophenol	ug/L	< 10		061510	10	EPA8270
4-Nitrophenol	ug/L	< 10		061510	10	EPA8270
2-Methyl-4,6-dinitrophenol	ug/L	< 10		061510	10	EPA8270
Pentachlorophenol (ms)	ug/L	< 10		061510	10	EPA8270

cc:

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SOURCE OF SAMPLE:
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TIME COL'D:1330
MATRIX:Water SAMPLE: Field Blank

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/L	< 0.05		061510	0.05	EPA608
Heptachlor	ug/L	< 0.05		061510	0.05	EPA608
Aldrin	ug/L	< 0.05		061510	0.05	EPA608
Heptachlor Epoxide	ug/L	< 0.05		061510	0.05	EPA608
p,p-DDE	ug/L	< 0.05		061510	0.05	EPA608
Dieldrin	ug/L	< 0.05		061510	0.05	EPA608
Endrin	ug/L	< 0.05		061510	0.05	EPA608
p,p-DDD	ug/L	< 0.05		061510	0.05	EPA608
p,p-DDT	ug/L	< 0.1		061510	0.1	EPA608
Chlordane	ug/L	< 0.2		061510	0.2	EPA608
Toxaphene	ug/L	< 1		061510	1	EPA608
Endrin Ketone	ug/L	< 0.1		061510	0.1	EPA608
a BHC	ug/L	< 0.05		061510	0.05	EPA608
b BHC	ug/L	< 0.05		061510	0.05	EPA608
d BHC	ug/L	< 0.05		061510	0.05	EPA608
Endosulfan 1	ug/L	< 0.1		061510	0.1	EPA608

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REMARKS:

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DIRECTOR

rn = 14712 NYSDOH ID # 10320 Page 7 of 10

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MATRIX:Water SAMPLE: Field Blank

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Endosulfan 2	ug/L	< 0.1		061510	0.1	EPA608
Endosulfan Sulfate	ug/L	< 0.3		061510	0.3	EPA608
Methoxychlor	ug/L	< 0.1		061510	0.1	EPA608
Endrin Aldehyde	ug/L	< 0.3		061510	0.3	EPA608
Aroclor 1016	ug/L	< 0.065		061610	0.065	EPA608
Aroclor 1221	ug/L	< 0.065		061610	0.065	EPA608
Aroclor 1232	ug/L	< 0.065		061610	0.065	EPA608
Aroclor 1242	ug/L	< 0.065		061610	0.065	EPA608
Aroclor 1248	ug/L	< 0.065		061610	0.065	EPA608
Aroclor 1254	ug/L	< 0.065		061610	0.065	EPA608
Aroclor 1260	ug/L	< 0.065		061610	0.065	EPA608

cc:

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REMARKS:

LEO 8/27/10

DIRECTOR

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ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/L	< 0.01		061610	0.01	EPA200.7
Antimony as Sb	mg/L	< 0.01		061610	0.01	EPA200.7
Arsenic as As	mg/L	< 0.005		061610	0.005	EPA200.7
Barium as Ba	mg/L	< 0.005		061610	0.005	EPA200.7
Beryllium as Be	mg/L	< 0.001		061610	0.001	EPA200.7
Cadmium as Cd	mg/L	< 0.005		061610	0.005	EPA200.7
Calcium as Ca	mg/L	< 0.2		061610	0.2	EPA200.7
Chromium as Cr	mg/L	< 0.005		061610	0.005	EPA200.7
Cobalt as Co	mg/L	< 0.005		061610	0.005	EPA200.7
Copper as Cu	mg/L	< 0.01		061610	0.01	EPA200.7
Iron as Fe	mg/L	0.05		061610	0.01	EPA200.7
Lead as Pb	mg/L	< 0.005		061610	0.005	EPA200.7
Magnesium as Mg	mg/L	0.008		061610	0.005	EPA200.7
Manganese as Mn	mg/L	< 0.01		061610	0.01	EPA200.7
Mercury as Hg	mg/L	< 0.001		061510	0.001	EPA245.2
Nickel as Ni	mg/L	< 0.01		061610	0.01	EPA200.7
Potassium as K	mg/L	< 1		061610	1	EPA200.7
Selenium as Se	mg/L	< 0.01		061610	0.01	EPA200.7
Silver as Ag	mg/L	< 0.005		061610	0.005	EPA200.7
Sodium as Na	mg/L	< 1		061610	1	EPA200.7
Thallium as Tl	mg/L	< 0.005		061610	0.005	EPA200.7
Vanadium as V	mg/L	< 0.005		061610	0.005	EPA200.7
Zinc as Zn	mg/L	< 0.01		061610	0.01	EPA200.7
Hardness as CaCO3	mg/L	< 0.52		061610	0.52	EPA200.7

cc:

LRL=Laboratory Reporting Limit

REMARKS:

dw 8/27/10

DIRECTOR

rn = 14714 NYSDOH ID # 10320 Page 9 of 10

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.102565.14 06/23/10

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:06/09/10 RECEIVED:06/09/10
TIME COL'D:1330
MATRIX:Water SAMPLE: Field Blank

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Cyanide as CN	mg/L	< 0.02		061410	0.02	EPA335.4
Ammonia as N	mg/L	< 0.2		061410	0.2	SM4500NH3C
Chloride as Cl	mg/L	3		061010	2	204500C1B
Nitrate as N	mg/L	< 0.5		061010	0.5	EPA353.2
Sulfate as SO4	mg/L	< 5		061110	5	AS D516-02
Tot Dissolved Solids	mg/L	39		061010	10	2540C
Tot. Kjeldahl N.	mg/L	< 0.2		061510	0.2	SM4500NORGB
Alkalinity tot CaCo3	mg/L	2		061010	2	SM182320B
Phenols as Phenol	mg/L	< 0.001		061410	0.001	EPA420.1

cc:

LRL=Laboratory Reporting Limit

REMARKS:

8/27/10

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*
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Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.102565.15 06/23/10

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: RECEIVED:06/09/10

MATRIX:Water SAMPLE: Trip Blank

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chloromethane	ug/L	< 1		061010	1	EPA8260
Bromomethane	ug/L	< 1		061010	1	EPA8260
Vinyl Chloride	ug/L	< 1		061010	1	EPA8260
Chloroethane	ug/L	< 1		061010	1	EPA8260
Methylene Chloride	ug/L	< 1		061010	1	EPA8260
Acetone	ug/L	< 10R		061010	10	EPA8260
Carbon disulfide	ug/L	< 1		061010	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		061010	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		061010	1	EPA8260
1,2 Dichloroethene	ug/L	< 2		061010	2	EPA8260
Chloroform	ug/L	< 1		061010	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		061010	1	EPA8260
2-Butanone	ug/L	< 10		061010	10	EPA8260
111 Trichloroethane	ug/L	< 1		061010	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		061010	1	EPA8260
Bromodichloromethane	ug/L	< 1		061010	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		061010	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		061010	1	EPA8260
Trichloroethene	ug/L	< 1		061010	1	EPA8260
Chlorodibromomethane	ug/L	< 1		061010	1	EPA8260
112 Trichloroethane	ug/L	< 1		061010	1	EPA8260
Benzene	ug/L	< 1		061010	1	EPA8260
t-1,3Dichloropropene	ug/L	< 1		061010	1	EPA8260
Bromoform	ug/L	< 1		061010	1	EPA8260
4-Methyl-2-Pentanone	ug/L	< 10		061010	10	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

lleo
8/27/10
DIRECTOR

rn = 14716 NYSDOH ID # 10320 Page 1 of 2

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.102565.15 06/23/10

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: RECEIVED:06/09/10

MATRIX:Water SAMPLE: Trip Blank

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2-Hexanone	ug/L	< 10		061010	10	EPA8260
Tetrachloroethene	ug/L	< 1		061010	1	EPA8260
Toluene	ug/L	< 1		061010	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		061010	1	EPA8260
Chlorobenzene	ug/L	< 1		061010	1	EPA8260
Ethyl Benzene	ug/L	< 1		061010	1	EPA8260
Styrene	ug/L	< 1		061010	1	EPA8260
o Xylene	ug/L	< 1		061010	1	EPA8260
m + p Xylene	ug/L	< 2		061010	2	EPA8260
Xylene	ug/L	< 3		061010	3	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

8/23/10

DIRECTOR

rn = 14717 NYSDOH ID # 10320 Page 2 of 2

Pennsylvania Avenue Landfill

Groundwater Monitoring
Chain of Custody

Second Quarter 2010

...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**
Source: **Pennsylvannia Avenue Landfill**
Job No.: **200903**

NY QA/QC

Groundwater Well Monitoring (5 Coolers)

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	8 oz Plastic [NaOH] - CYANIDE	REMARKS - TESTS REQUIRED
														VOCs (8260B), SVOCs (8270C)
Water	6/7/10	11:40	**HP-103-D**	12	2	1	3	1	1	1	1	1	1	Pesticides & PCBs (8081A/8082 [3665A])
Water	6/7/10	13:40	**HP-603**	12	2	1	3	1	1	1	1	1	1	Chloride (EPA 325.3), Alkalinity (EPA 310.1),
Water	6/7/10	15:50	**HP-104-A**	12	2	1	3	1	1	1	1	1	1	Inorganics (200.7 CLP-M)
Water	6/8/10	10:10	**HP-101-D-MS**	12	2	1	3	1	1	1	1	1	1	Phenols (EPA 420.2), Sulfate (EPA 375.4)
Water	6/8/10	10:10	**HP-101-D-MSD**	12	2	1	3	1	1	1	1	1	1	Total Dissolved Solids (EPA 160.1)
Water	6/8/10	10:10	**HP-101-D**	12	2	1	3	1	1	1	1	1	1	Hardness (EPA 200.7)
Water	6/8/10	13:45	**HP-101-U**	12	2	1	3	1	1	1	1	1	1	Nitrate-Nitrogen (SM 4500-NO_3-H)
Water	6/8/10	15:02	**HP-101-S**	12	2	1	3	1	1	1	1	1	1	Ammonia Nitrogen (SM 4500-NH_3-G)
Water	6/8/10		**Blind Duplicate**	12	2	1	3	1	1	1	1	1	1	Total Kjeldahl Nitrogen (EPA 351.2)

Relinquished by: (Signature)	Date: 6/9/10	SEAL INTACT? YES NO NA	Received by: (Signature)	Relinquished by: (Signature)	Date: 6/9/10	SEAL INTACT? YES NO NA	Received by: (Signature)
Representing: STRATIS	Time: 2:30		Representing: Stratis	Representing: STRATIS	Time: 15:10		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:

... 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**
Source: **Pennsylvannia Avenue Landfill**
Job No.: **200903**

NY QA/QC

Groundwater Well Monitoring (3 Coolers)

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	8 oz Plastic [NaOH] - CYANIDE	REMARKS - TESTS REQUIRED
														VOCs (8260B), SVOCs (8270C)
Water	6/9/10	10:15	**HP-407-D**	12	2	1	3	1	1	1	1	1	1	Pesticides & PCBs (8081A/8082 [3665A])
Water	6/9/10	11:15	**HP-407-U**	12	2	1	3	1	1	1	1	1	1	Chloride (EPA 325.3), Alkalinity (EPA 310.1)
Water	6/9/10	12:10	**HP-407-S**	12	2	1	3	1	1	1	1	1	1	Inorganics (200.7 CLP-M)
Water	6/9/10	9:00	**HP-318**	12	2	1	3	1	1	1	1	1	1	Phenols (EPA 420.2), Sulfate (EPA 375.4)
Water	6/9/10	13:30	**FIELD BLANK**	12	2	1	3	1	1	1	1	1	1	Total Dissolved Solids (EPA 160.1)
Water			**TRIP BLANK**	2	2									Hardness (EPA 200.7)
														Nitrate-Nitrogen (SM 4500-NO_3-H)
														Ammonia Nitrogen (SM 4500-NH_3-G)
														Total Kjeldahl Nitrogen (EPA 351.2)

Relinquished by: (Signature)	Date: 6/9/10	SEAL INTACT? YES NO NA	Received by: (Signature)	Relinquished by: (Signature)	Date: 6/9/10	SEAL INTACT? YES NO NA	Received by: (Signature)
Representing: STRATIS	Time: 2:30		Representing: STRATIS	Representing: STRATIS	Time: 15:10		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 F – Landfill Gas Migration Monitoring

PENNSYLVANIA AVENUE LANDFILL
PERIMETER GAS MONITORING FIELD LOG

DATE: 14 June 2010	**TECHNICIAN: Nate Somerville**	**WEATHER: Overcast**
AMBIENT TEMP. (°F) 68	**WIND DIRECTION: S**	**WIND SPEED (MPH): 5**
		Barometric Pressure: 29.87

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	2.5	7	9:21	9:28	0	2.3	18.2	
PAL GMW-02	10	6.2	12.4	2.5	6	10:04	10:11	0	3.1	17.7	
PAL GMW-03	11	6.8	13.6	2.5	6.5	11:04	11:11	0	3.3	17.6	
PAL GMW-04	10	6.2	12.4	2.5	6	11:20	11:26	0.1	9.1	2.2	
PAL GMW-05	12	7.4	14.8	2.5	7	11:38	11:45	0	2.7	18.3	

Calibrated GEM 2000 meter.