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

Quarterly Post Closure Operation, Maintenance and Monitoring Report
July 2010 through September 2010

February 2011

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 July 1, 2010 and September 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 pretreatment system with subsequent disposal to the 26th Ward Wastewater Treatment Plant (WWTP).
- Regrading of the site to provide proper drainage and minimize erosion.
- Installation of a stormwater collection, conveyance and outfall system.
- Installation of an actively vented impermeable final cover consisting, from top to bottom, of a vegetated top soil layer (6” minimum), a soil barrier protection layer (12”), a Type 2 cover double-sided geocomposite drainage layer or a Type 1 cover cushion geotextile, an LLPDE geomembrane liner (40 mil thick), and a sub-base grading fill layer.
- Planting of warm season grasses and approximately 13,000 shrubs and trees
- Installation of an active landfill gas (LFG) collection system and flaring station.

The ROD called for a pre-approved Post-Closure Monitoring, Sampling and Analysis Plan (the Monitoring Plan, the Plan) to commence within one month of NYCDEP’s receipt of NYSDEC’s written approval of the Final Engineering Report (FER) for the site. The FER acceptance letter was dated March 26, 2009, and the first monitoring round was initiated within a month of its

receipt and performed in accordance with the Monitoring Plan requirements. Subsequently, the Monitoring Plan has been revised to allow the low-flow sampling method to be used to collect groundwater samples for the analysis of both the inorganic and organic constituents. The requirements of the revised Monitoring Plan were utilized commencing with the second Post-Closure monitoring event. In accordance with the Monitoring Plan, water elevation and sample collection and analysis is performed for the ten groundwater monitoring wells, and soil gas quality readings are taken from the five gas monitoring wells located beyond the perimeter of the cap, parallel to the Belt Parkway. Monitoring is conducted on a quarterly basis until NYSDEC authorizes a different monitoring frequency.

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

Section III – Quarterly Summary

This quarterly report covers the period from July 1, 2010 through September 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, pretreatment and disposal system was designed to prevent migration of groundwater/leachate containing oil and dissolved contaminants to Fresh Creek Basin and to produce a treated effluent acceptable for discharge to the 26th Ward WWTP. The effluent is regulated under NYCDEP's Industrial Wastewater Discharge Permit No. 07-P3145-2, effective from August 27, 2007 to August 26, 2012.

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

The groundwater/leachate pre-treatment facility was designed to treat up to 30 gpm, but currently the facility treated an average of about 17.6 gpm this quarter. The pretreatment facility components include oil-water separation with citric acid conditioning, bag filtration and carbon adsorption. Figure 2 shows the Pre-treatment System Schematic.

During the third quarter of 2010, the pretreatment system treated and discharged 1,767,190 gallons of leachate to the WWTP. The table below summarizes the flow data for the quarter.

	Jul-10	Aug-10	Sep-10	Quarter Summary
Total Flow (Gallons)	**629,980**	**487,820**	**649,390**	**1,767,190**
Average Flow (GPM)	**17.2**	**18.4**	**17.3**	**17.6**
Average Daily Flow (GPD)	**22,499**	**23,230**	**22,393**	**22,656**
Maximum Daily Flow (GPD)	**28,340**	**35,291**	**37,110**	**35,496**
Number of days in service	**28**	**21**	**29**	**78**
Percent of time in service	**82.1%**	**59.3%**	**86.9%**	**76.0%**

Pumping to the pretreatment 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 had been operating with the spare carbon absorber since February 23rd. The spare carbon absorber required a carbon change-out while both absorbers are scheduled to be replaced. Flow to the pretreatment facility was halted for 53 hours, from July 4th through the 6th to change-out the carbon in the standby absorber; this included preparation, soaking and backwash operations. The leachate system was off line from August 17th through 27th for replacement of the carbon absorbers. Additional down time was encountered during the quarter due to high differential pressure at the transfer filters caused by unusually high solids in the influent. The leachate pretreatment facility was down for a total of 530 hours or 24 percent of the total operational time. During the ten-day period in August when the facility was off-line due to the replacement of the carbon adsorption tanks, the water level in the interceptor trench was monitored. While the water level did rise during this period, it remained below the top elevation of the geomembrane cutoff wall and was immediately lowered once the pump stations were back on-line. The water level returned to the previous operational drawdown elevation within three days. These results are supported by a review of the available information regarding the size of the interceptor trench and the estimated porosity of the material within the trench which indicated that there was sufficient storage capacity during this period. Based on these observations, and the documented water quality results of the treatment plant influent (i.e., the interceptor trench water quality) discussed at the end of this section, it is unlikely that there were any impacts to surface water from the ground water beneath the site during this period.

During this period, 3,750 pounds of citric acid were added, at a dosage of 254.4 mg/L, to adjust the influent pH and enhance treatment. Citric acid deliveries were received on July 26th and September 22nd. The citric acid feed is on automatic mode.

The filter bags on the filter at the influent to the Oil-Water Separator Tank were replaced six times with 300 mc bags. The OWS was desludged and washed, and the coalescers were removed and thoroughly cleaned, on July 26th, August 13th and September 15th. This maintenance task is extending the life of the petro-screen coalescers and the downstream process units. There is no floating product found on the surface of the OWS. Sludge is removed and transferred to totes, were it is allowed to settle and the water is then decanted to the head of the plant.

The two transfer filters, F-201 and F-202, are run in parallel. The filter bags are normally replaced three times per week, on Mondays and Wednesdays with 50 mc bags, and, on Fridays,

with 100 mc bags. During this quarter, fifty 50 mc and twenty-four 100 mc filter bags were used at the transfer filter station.

While arrangements were being made to replace both carbon absorber tanks, the plant was operating with the standby absorber. The system was removed from service on July 4th to drain and prepare the standby absorber for carbon change-out. The carbon was replaced on July 6th, it was soaked for a couple of hours, the fines backwashed and the tank was returned to service on the 6th at 2 pm. The standby absorber was backwashed in July, on the 2nd, 6th, 12th, 16th, 23rd and 29th, in August, on the 2nd, 5th, 9th, 12th and on the 16th, before removing it from service for the replacement of the carbon absorbers. On August 17th, removal of the two 5,000 lb carbon absorber was started; the new tanks were brought into the building on the 21st; and, after the installation and equipment hook-up was completed, the absorbers were filled, allowed to soak, backwashed for fines; and the system was placed in service on August 27th at 11 am. The newly installed absorbers were backwashed again on September 13th and 24th. One of the twin filter casings began to leak on August 16th. The casing was removed, sent out for repairs and it was determined that it could not be refurbished. Arrangements are being made to replace both filter casings. The effluent twin filters were replaced six times with eighteen 25 mc filter bags.

Inspection and monitoring of the groundwater/leachate pretreatment system was conducted following the O&M Manual procedures. Daily Operations, bi-weekly (GWL-1), monthly (GWL-2), quarterly (GWL-3) and 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 deficiency noted at the end of the quarter was Discharge Suction Tank level sensor malfunction. NYCDEP is working to upgrade the level sensor. Copies of the inspection reports are attached in Appendix A for this reporting period.

The M-1 pretreatment system effluent is regulated by NYCDEP Industrial Wastewater Discharge (IWD) Permit No. 07-P3145-2. In accordance with the permit, effluent samples were collected on July 19th, August 30th and 31st, and September 9th. Appendix B contains the results of the laboratory analyses.

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

While the NYCDEP Industrial Wastewater Discharge (IWD) permit regulations require monthly monitoring of the pre-treatment system effluent, the permit does not require any other monitoring to be performed within the pre-treatment system. However, as discussed in previous Quarterly Post-Closure OM&M Reports, NYCDEP had 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 sampling frequency has been increased and is currently being performed on a quarterly basis. 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 September 8th. 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 on August 8th was analyzed for metals, leachate parameters, volatile and semivolatile compounds and PCBs. The majority of these parameters, including PCBs, were not detected. For comparison purposes, the concentrations of the detected parameters were evaluated based on the IWD permit limits for the pretreatment system discharge and NYSDEC saline surface water standards. It should be noted that there are no groundwater standards for saline water. A summary of this evaluation is provided in the table below:

Parameters Detected in 6/9/10 and/or 9/8/10 Samples	Unit of Measure	IWD Permit Discharge Limit(s)	NYSDEC Saline SW Standard(s)	Standard Type	**Sample Results 9/8/2010**
Chromium, total	mg/L	5.0*	0.0054*	A(C)	<0.025
Copper	mg/L	5	0.0034 or 0.0048	A(C) or A(A)	**0.47**
Nickel	mg/L	3	0.0082 or 0.074	A(C) or A(A)	**0.14**
Zinc	mg/L	5	0.066	A(C)	**0.19**
BOD	mg/L	--	--		<15
Chloride	mg/L	--	--		4,700
Nitrate	mg/L	--	--		1.7
Nitrogen	mg/L	--	--		57
TSS	mg/L	350	--		7
TKN	mg/L	--	--		55
pH	SU	5.0 - 11.0	--		6.98
Benzene	ug/L	134 or 57**	190 or 670	A(C) or A(A)	1
Chlorobenzene	ug/L	--	5_{GV}	A(C)	**18**
Ethylbenzene	ug/L	380 or 142**	4.5 or 41	A(C) or A(A)	<1
Bis(2-ethylhexyl) Phthalate	ug/L	--	--		6.5
Di-n-butyl Phthalate	ug/L	--	--		<1

Notes:

mg/L = milligrams per Liter.
ug/L = micrograms per Liter.
SU = Standard Units.
-- No standard available.
A(A) = Fish survival.
A(C) = Fish propagation
GV = Guidance Value only, not a standard.
***** Limit/Standard for hexavalent chromium. As per IWC Permit, Section B, Table footnote 2, if the Chromium (Total) level is less than or equal to 5.0 mg/L, then analyzing for Chromium (Hexavalent) at that point is not required. The Chromium (Total) level can be submitted in lieu of analyzing for Chromium (Hexavalent). No standard for Trivalent Chromium, which is the most common form.
****** Daily and monthly limits, respectively.
Bold values exceed saline surface-water standard or guidance value.

A review of the above table indicates that the concentration of each detected parameter in the pretreatment system influent sample is lower than its respective IWD permit discharge limit. This finding indicates that during this period, the facility influent met the pretreatment system IWD permit discharge limits prior to treatment. In addition, only 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 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 pretreatment system, it is expected that these parameters would otherwise normally be attenuated by naturally-occurring reducing conditions and biodegradation in the subsurface soils and creek bed sediment.

2. Landfill Gas Management System

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

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

All 46 gas extraction wells (EWs) were inspected and monitored for gas content (percent CH_4, CO_2 and O_2), temperature and vacuum pressure 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. The condensate drain line and the drain lines from the two blower demisters (knock out pots) empty into the 2,500 gallon condensate tank located at the flare station. At the end of September 2010, 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 68 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 July 16th,

from 302 to 301. 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. Due to low methane content in the landfill gas, the natural gas was cracked open on July 13th. During this reporting period, 957,700 SCF of natural gas was used to supplement the landfill gas supply to the flare. 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. The thermocouple manufacturer went out of business; a substitute has been suggested by the flare manufacturer, and the replacement unit is on order.

During this third quarter of 2010, the landfill gas flaring system processed 8,213,296 SCF of landfill gas. After the successful FDNY annual inspection on August 20th, the flare did not reset. The actuator valve switch cams had slipped and had to be fixed and the blower and actuator valve set point timers were adjusted. The system was down for 68 hours, from the August 20th at 1 pm to the 23rd at 9 am. In August, an additional 1.5 hours of down time was encountered for fire alarm programming, autodialer repairs and system testing prior to the inspection. In September, the UV flame detectors tripped numerous times sending out false alarms, most of which resulted in FDNY response. Attempts were made to troubleshoot and reset the flame detection system, concluding with shipment of one sensor to the manufacturer for evaluation and repair. Alarm conditions and UV flame detection testing and assessment accounted for 28.1 hours of down time. Other flow interruptions due to temperature control and autodialer malfunctions brought the total down time for September to 120.6 hours. The down time for the three month period totaled 196.6 hours. The flare was in service for 91.1 percent of the time during this quarter. Flow data is summarized in the table that follows.

Month	Landfill Gas Flow (Standard Cubic Feet)
July 2010	2,973,922
August 2010	2,756,948
September 2010	2,482,426
Total	**8,213,296**

Bi-weekly (LFG-2) and quarterly (LFG-4) inspections were conducted, and copies are included in Appendix C. The only deficiencies encountered at the flare and blower station during scheduled inspections was the malfunctioning middle thermocouple and UV flame detection system. 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 were associated with nature trail drainage and this repair project was completed in August. Previous repairs to the erosion in Zone 12 have not proven effective. A permanent repair plan is being developed by the NYCDEP and their consultant and is scheduled for the next planting season.

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, invasive trees and excessive vegetative growth was removed and repairs were performed. Inspection of the Stormwater Management System during and after storm events, conducted on July 14th, August 23rd and September 28th, 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 initiated during the previous quarter were completed on July 13th. Nature trail and associated cover erosion repairs were completed in August.

Perimeter fence holes are repaired after the monthly inspection. Two of the trees infringing on the perimeter fence were cut and removed; the job will be completed next quarter. 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 third quarter of 2010 represented the sixth post-closure monitoring event. On September 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 September 7th and are summarized in Appendix E.

The results of the third quarter of 2010 post-closure groundwater monitoring round are summarized in Tables 1 through 4, respectively. Note that Tables 1 through 4 only list the parameters that were detected in at least one groundwater sample during the Post-Closure Monitoring Period. The majority of the volatile and semi-volatile compounds analyzed for were not detected, and no pesticides or polychlorinated biphenyls were detected. The results obtained for the leachate indicator parameters and the inorganic parameters are consistent with prior post closure monitoring analysis. Included in Appendix E are the 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 September 3rd. 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 0.3% at GMW-04. Methane detections within the groundwater/leachate pre-treatment facility building were 0.0% throughout the facility and between 0.0% and 0.1% above the open Oil Water Separator Tank as shown in Table 6. These readings were taken on July 19th, August 31st, and September 8th and 9th. On September 24th, landfill surface gas readings were taken, with no hits throughout the landfill, except on top of the OWS were a reading of 2ppm was obtained. Sample locations are

shown in Figure 7, and results in Table 7. For this reporting period, all methane monitoring results were below the 6 NYCRR Part 360 requirements.

As required by permit, the M-1 effluent discharge to the 26th Ward WWTP was sampled on July 19th, August 30th and 31st, and September 9th. Laboratory reports can be found in Appendix B.

Section IV – Conclusions and Recommendations

1. Conclusions

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

2. Recommendations

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

Groundwater/Leachate Management System

The Groundwater/Leachate Management System is currently operational and meeting its required discharge limits. In general, it is recommended that individual pieces of equipment that are not operational at various times continue to be repaired and/or replaced in a timely manner to minimize system down time. Specifically, the recommended corrective actions listed in Form DP-1, Leachate Pre-Treatment System, Descriptions of Deficiencies and Problems, in Appendix A should be implemented.

Landfill Gas Management System

The Landfill Gas Management System is operational and is controlling offsite gas migration. Overall the methane quality and gas flow in the System have declined since the System was first activated. This may be attributable to the age of the landfill and the condition should continue to be monitored. 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

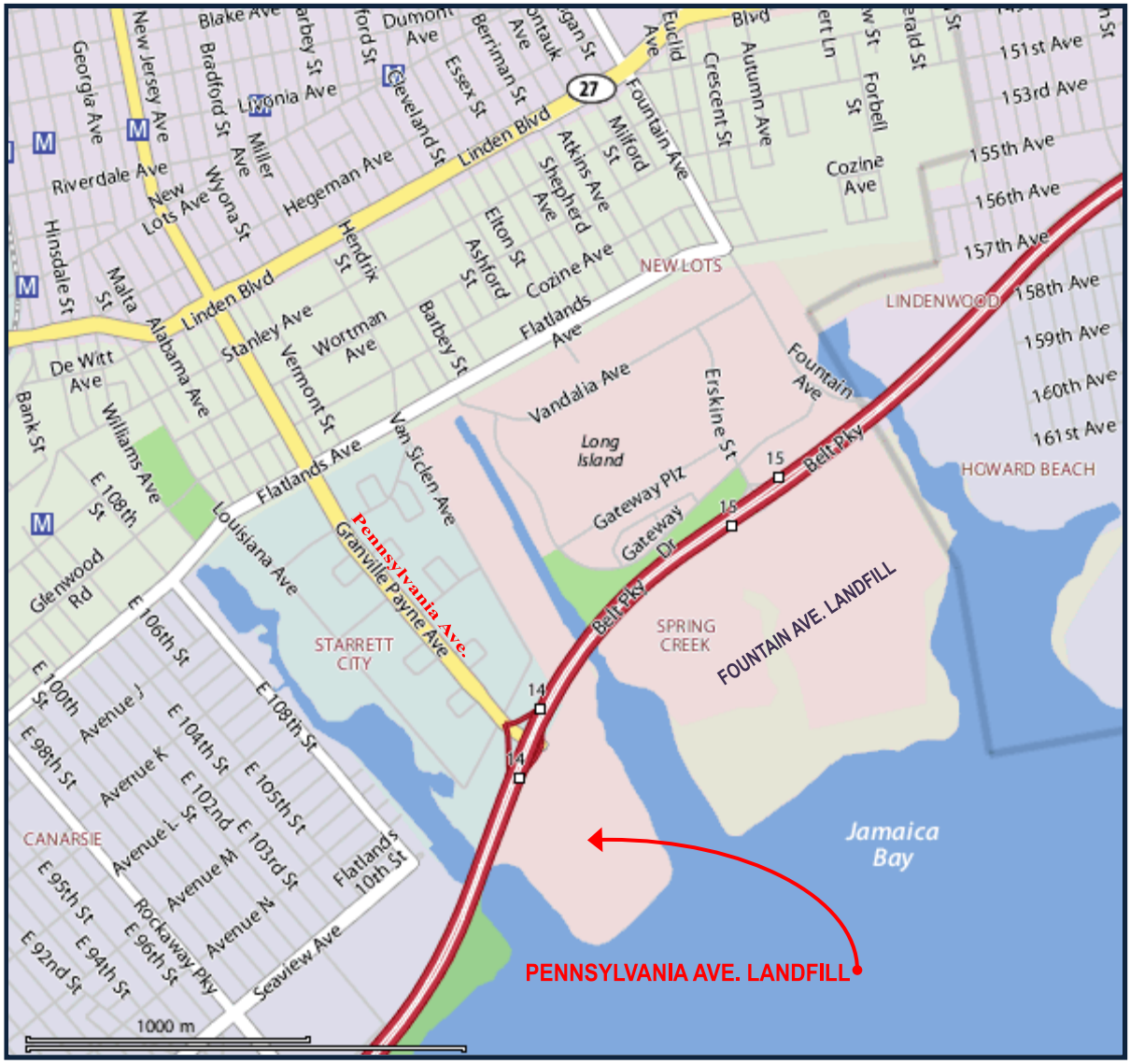




FIGURE 1
SITE LOCATION MAP

Figure 2 – Pre-treatment System Schematic

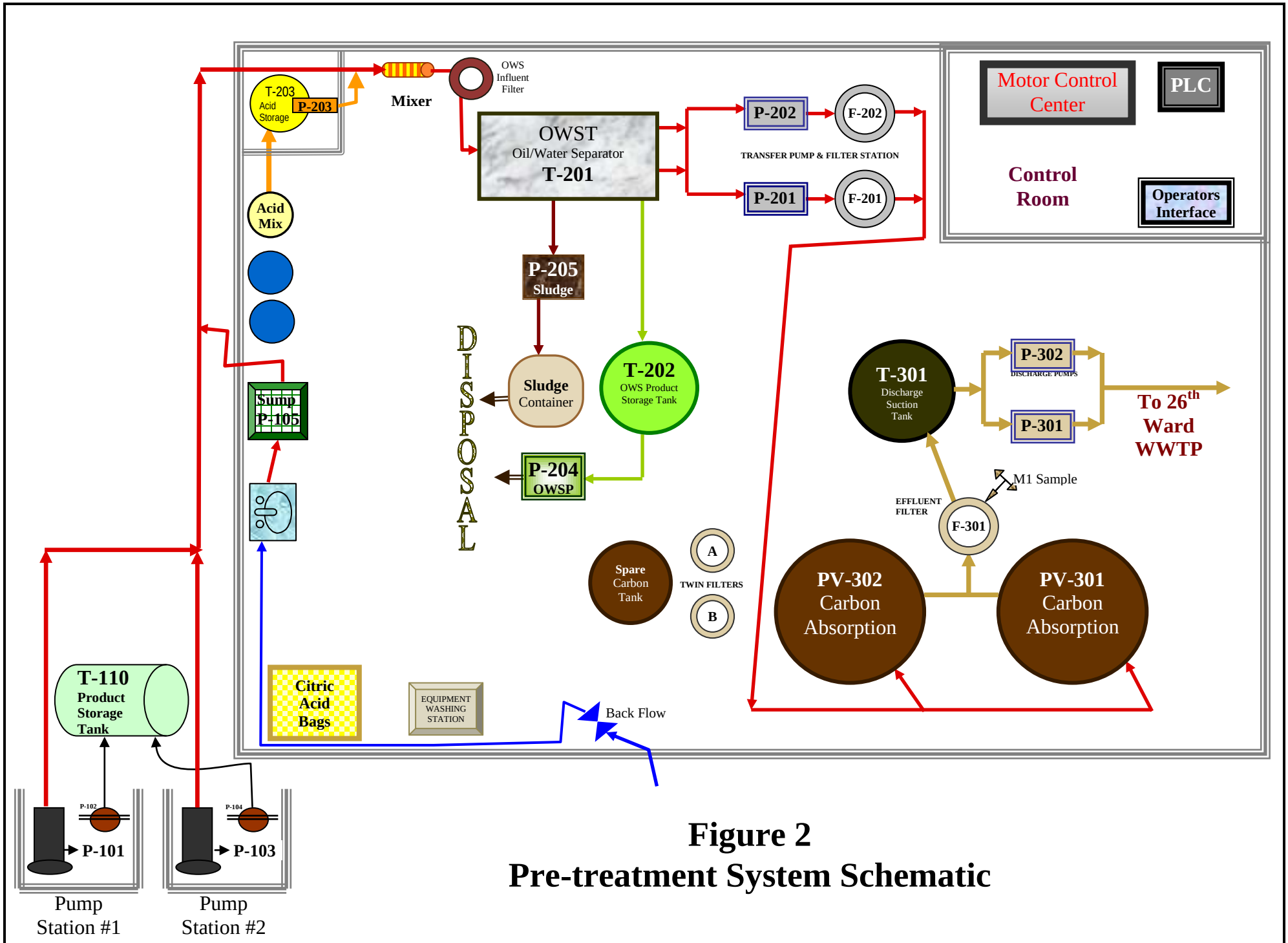


Figure 2
Pre-treatment System Schematic

Figure 3 – Gas System Schematic

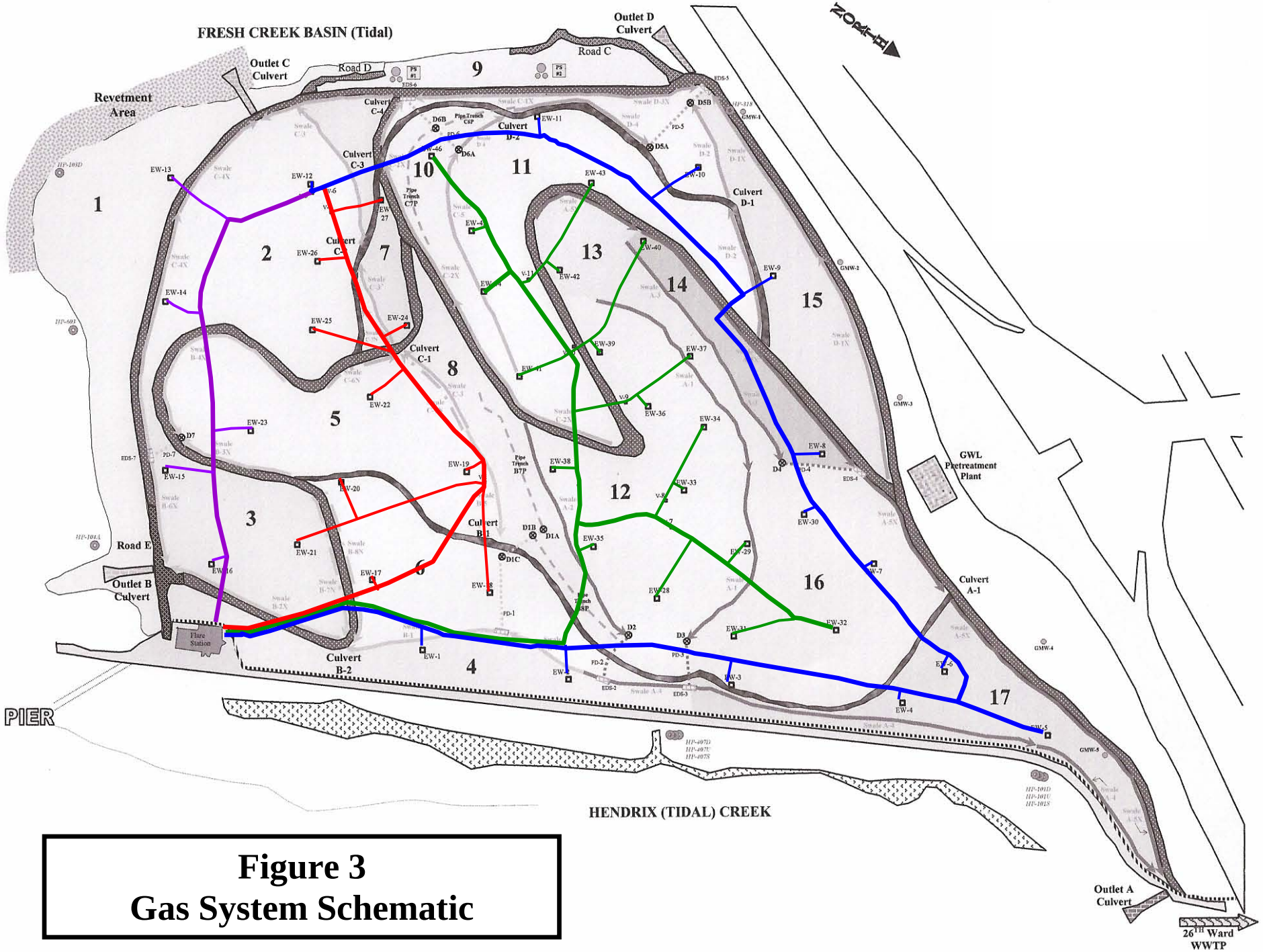


Figure 3
Gas System Schematic

Figure 4 – Landfill Cover Inspection Zones

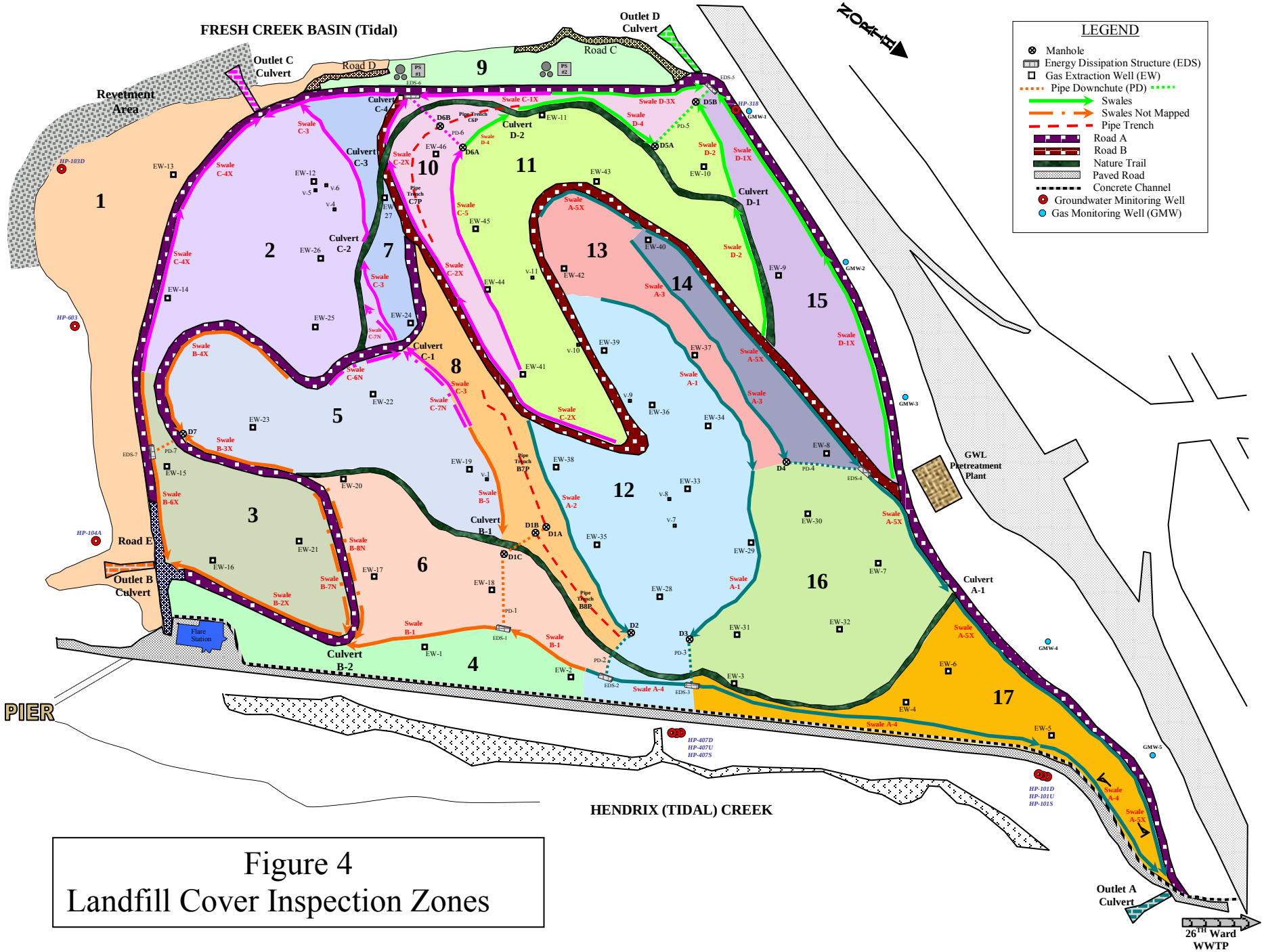


Figure 4
Landfill Cover Inspection Zones

Figure 5 – Groundwater Monitoring Wells

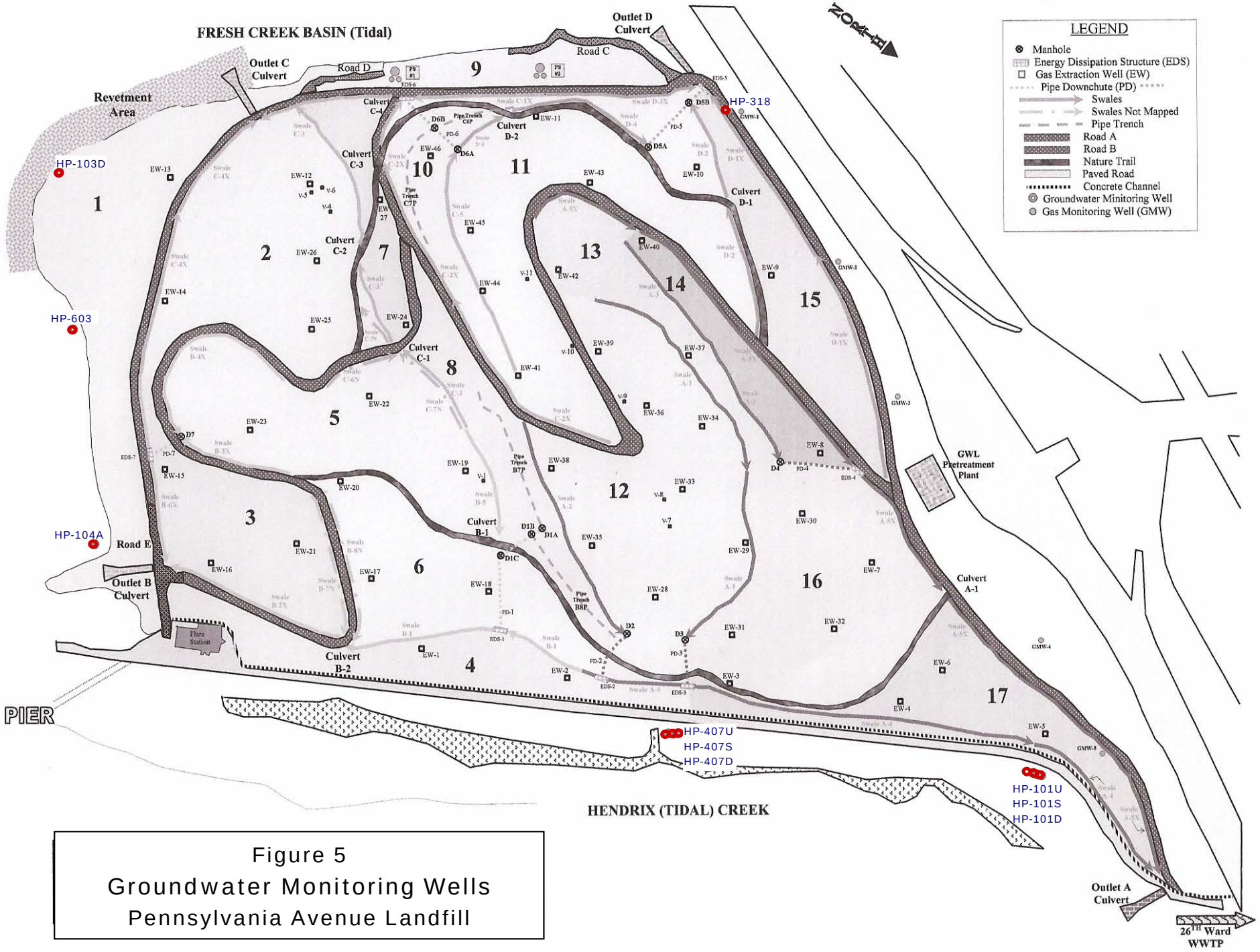


Figure 5
Groundwater Monitoring Wells
Pennsylvania Avenue Landfill

Figure 6 – Perimeter Gas Wells

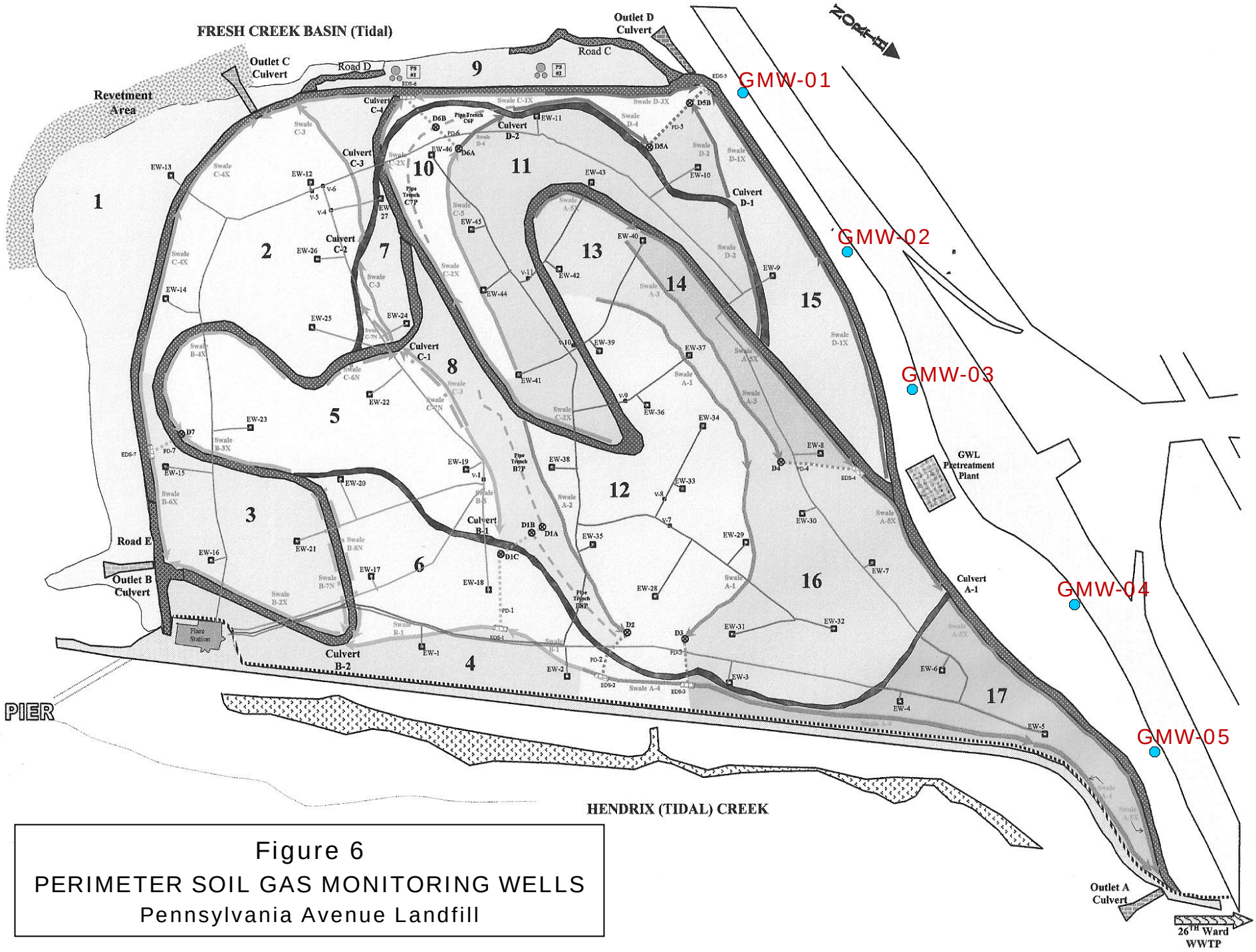


Figure 6

PERIMETER SOIL GAS MONITORING WELLS

Pennsylvania Avenue Landfill

Figure 7 – Landfill Surface Gas Readings Locations

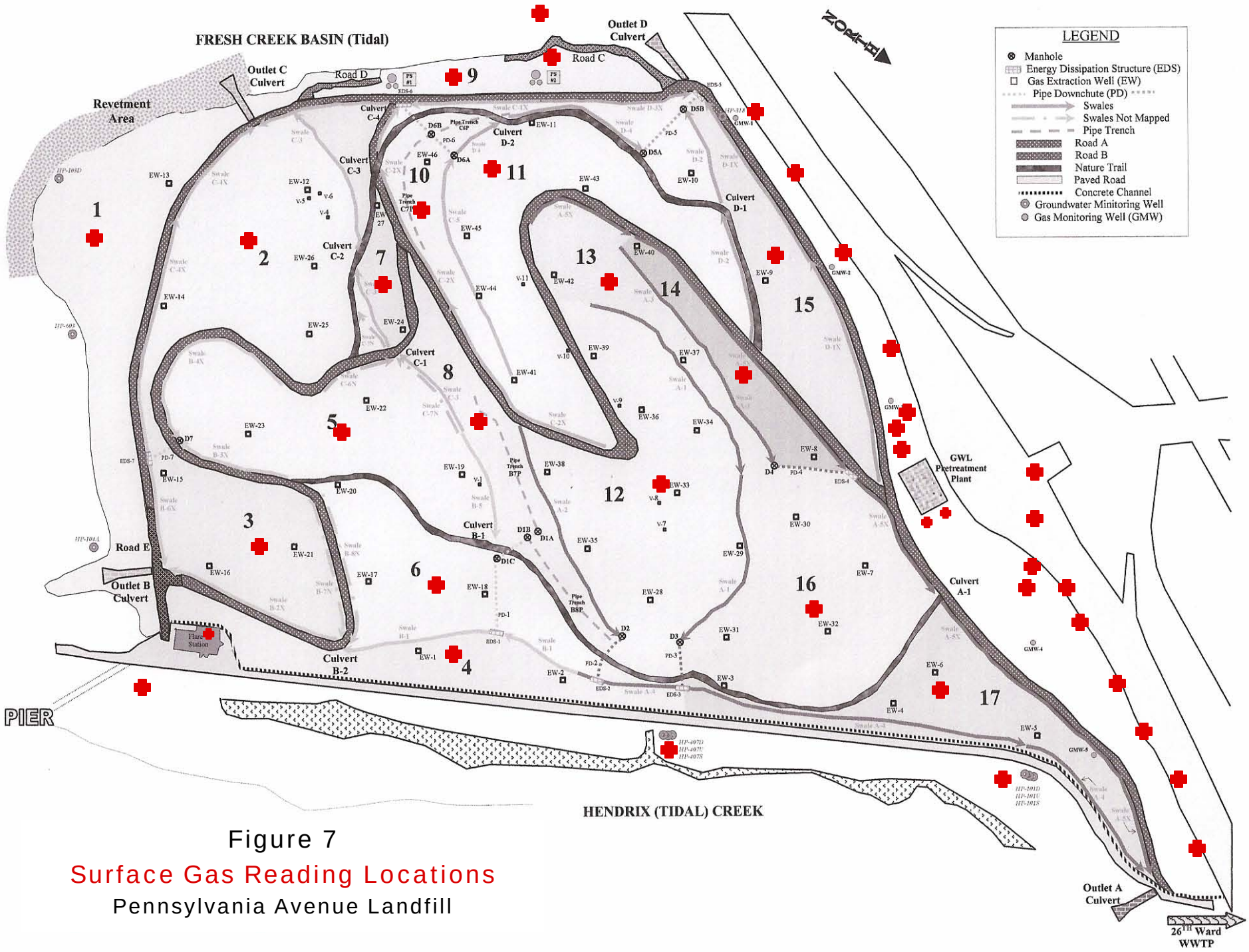


Figure 7

Surface Gas Reading Locations

Pennsylvania Avenue Landfill

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

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

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

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

Footnotes:

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

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

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

NA = not analyzed

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

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

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

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

Footnotes:

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

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

The second quarter 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	3Q10	2Q10	3Q10	2Q10	3Q10	2Q10	3Q10	2Q10	3Q10
Alkalinity	mg/L	**No Std.**	500	620	1,400	1,800	650	920	130	520	200	280
Ammonia	mg/L	**2**	**7.4**	**8.6**	**90**	**130**	**4.0**	**6.6**	**21**	**26**	**2.2**	**2.8**
BOD_5	mg/L	**No Std.**	NA	6	NA	16	NA	<2	NA	4.6	NA	<2
Bromide	mg/L	**2 (GV)**	NA	1.1	NA	**3.2**	NA	1.2	NA	1.3	NA	0.8
Chloride	mg/L	**250**	**1,100**	**1,000**	**370**	**420**	84	110	**430**	**930**	76	86
COD	mg/L	**No Std.**	NA	80	NA	330	NA	40	NA	160	NA	<40
Color	Color units	**15**	NA	**30**	NA	**150**	NA	**20**	NA	**20**	NA	10
Hardness	mg/L	**No Std.**	390	410	720	780	660	680	350	770	470	530
Nitrate	mg/L	**10**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Sulfate	mg/L	**250**	110	75	30	<10	63	38	20	9	**290**	**360**
Tot. Dissolved Solids	mg/L	**1,000**	**2,200**	**2,200**	**1,800**	**2,200**	930	**1,100**	**1,100**	**2,500**	800	**1,000**
Tot Organic Carbon	mg/L	**No Std.**	NA	5.7	NA	48	NA	10	NA	4.1	NA	5.1
Tot. Kjeldahl N.	mg/L	**No Std.**	8.4	10	94	130	5.4	7.8	22	28	2.8	3.8

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-103-D		HP-407-D	
			2Q10	3Q10	2Q10	3Q10	2Q10	3Q10	2Q10	3Q10	2Q10	3Q10
Alkalinity	mg/L	**No Std.**	840	1,000	800	560	730	1,000	210	1,100	240	260
Ammonia	mg/L	**2**	**4.6**	**4.8**	**10**	**12**	**15**	**24**	**5.4**	**67**	2.0	1.6
BOD_5	mg/L	**No Std.**	NA	2.1	NA	2.6	NA	7.3	NA	7.5	NA	3
Bromide	mg/L	**2 (GV)**	NA	**2.3**	NA	**22**	NA	**43**	NA	**13**	NA	**19**
Chloride	mg/L	**250**	**2,800**	**2,400**	**8,100**	**8,000**	**26,000**	**28,000**	**17,000**	**3,200**	**10,000**	**10,000**
COD	mg/L	**No Std.**	NA	220	NA	600	NA	2200	NA	300	NA	650
Color	Color units	**15**	NA	**50**	NA	**25**	NA	**50**	NA	**80**	NA	15
Hardness	mg/L	**No Std.**	560	590	2,500	2,600	2,300	1,500	4,700	1,200	3,000	3,100
Nitrate	mg/L	**10**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	15	<0.5	<0.5
Sulfate	mg/L	**250**	13	<10	**750**	**800**	**1,000**	**680**	**2,100**	**330**	**1,300**	**1,200**
Tot. Dissolved Solids	mg/L	**1,000**	**4,900**	**4,400**	**14,000**	**15,000**	**40,000**	**46,000**	**29,000**	**6,200**	**18,000**	**18,000**
Tot Organic Carbon	mg/L	**No Std.**	NA	4.8	NA	1.7	NA	3.8	NA	41	NA	<0.5
Tot. Kjeldahl N.	mg/L	**No Std.**	5.6	5.4	12	13	16	25	6.0	71	2.8	2.4

Footnotes:

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

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

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	3Q10	2Q10	3Q10	2Q10	3Q10	2Q10	3Q10	2Q10	3Q10
Aluminum	mg/L	**No Std.**	<0.05	<0.05	<0.05	0.06	<0.05	<0.05	<0.05	0.13	<0.05	<0.05
Antimony	mg/L	**0.003**	<0.05	<0.025	<0.05	<0.025	<0.05	<0.025	<0.05	<0.025	<0.05	<0.025
Arsenic	mg/L	**0.025**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Barium	mg/L	**1**	0.1	0.11	0.91	1	0.22	0.19	0.032	0.066	0.037	0.044
Boron	mg/L	**1**	NA	0.4	NA	**3.4**	NA	0.41	NA	0.68	NA	<0.23
Calcium	mg/L	**No Std.**	120	130	100	97	190	200	91	230	150	170
Chromium	mg/L	**0.05**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Cobalt	mg/L	**No Std.**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Copper	mg/L	**0.2**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Iron	mg/L	**0.3**	**24**	**24**	**1.4**	**1.1**	**2.0**	**14**	**5.6**	**15**	**6.3**	**6.5**
Lead	mg/L	**0.025**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Magnesium	mg/L	**35 (GV)**	23	22	**110**	**130**	**45**	**45**	29	**47**	24	26
Manganese	mg/L	**0.3**	**0.59**	**0.35**	**0.4**	**0.37**	**0.61**	**0.93**	0.18	**0.57**	**0.44**	**0.51**
Mercury	mg/L	**0.0007**	<0.001	<0.00025	<0.001	<0.00025	<0.001	<0.00025	<0.001	<0.00025	<0.001	<0.00025
Nickel	mg/L	**0.1**	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Potassium	mg/L	**No Std.**	20	21	61	100	16	21	29	40	9.5	9.3
Sodium	mg/L	**20**	**610**	**600**	**310**	**410**	**68**	**84**	**240**	**380**	**63**	**61**
Vanadium	mg/L	**No Std.**	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Zinc	mg/L	**2 (GV)**	0.14	<0.05	<0.05	0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

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

Footnotes:

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

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

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

Table 5 – Summary of Perimeter Gas Monitoring Well Results

Table 5
Summary of Perimeter Gas Monitoring Well Results

Pennsylvania Avenue Landfill, Brooklyn, NY

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

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

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

Pennsylvania Avenue Landfill
Brooklyn, NY

Leachate Treatment Building Methane (% by Volume)

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

Appendix A – GWL Inspection Forms

Groundwater Leachate Pretreatment

Flow Reports

(July, August and September, 2010)

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

MONTH:	JULY 2010				
	Time of Reading	10 Gallon Counter Readings	Flow (gallons)		Hrs. i/s
1	7:15	7,902,838	**23,840**		24
2	7:10	7,905,222	**22,069**	(1)(2)	22.3
3			**23,751**	(1)	24
4	9:00	7,909,804	**2,662**	(1)(3)	2
5	Holiday		**0**	(1)(3)	0
6			**22,628**	(3)	17
7	7:07	7,912,333	**27,560**		24
8	7:12	7,915,089	**25,010**		24
9	7:51	7,917,590	**23,315**	(1)	24
10			**16,515**	(1)(4)	17
11			**0**	(1)(4)	0
12	6:45	7,921,573	**26,840**	(4)	21
13	7:15	7,924,257	**28,340**		24
14	7:09	7,927,091	**24,930**		24
15	7:15	7,929,584	**23,350**		24
16	7:15	7,931,919	**23,119**	(1)(2)	22
17			**25,221**	(1)	24
18			**25,221**	(1)	24
19	7:05	7,939,275	**23,370**	(5)	23.8
20	7:00	7,941,612	**20,930**		24
21	7:00	7,943,705	**23,330**	(5)	23
22	7:05	7,946,038	**22,640**		24
23	7:02	7,948,302	**20,829**	(1)	22.5
24			**12,961**	(1)(6)	14
25			**0**	(1)(6)	0
26	7:00	7,951,681	**26,810**	(7)	20
27	7:26	7,954,362	**27,450**		24
28	7:06	7,957,107	**24,150**		24
29	7:17	7,959,522	**23,940**		22.2
30	7:07	7,961,916	**19,600**	(1)	24
31			**19,600**	(1)	24
2-Aug	7:00	7,967,796			

No. of Days in Operation
28

Total Flow (gallons)
629,980

Average Daily Flow (gallons)
22,499

Maximum Daily Flow (gallons)
28,340

Minimum Daily Flow (gallons)
0

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

(2) Plant out of service to backwash the carbon absorber

(3) Plant removed from service on 7/4/10 to drain carbon in preparation for change-out. The carbon change out operation was performed on 7/6/10. The carbon was oaked and backwashed and the plant was placed back in service at 2 PM on the 6th.

(4) Plant went out of service at around midnight on the 10th, apparently due to high differential pressure. Backwashed the carbon absorber, replaced the transfer filters and the twin filters (25 mc), and returned the plant to service at 9:50 AM

(5) Plant out of service due to high pressure during transfer filter replacement.

(6) Plant out of service on the evening of the 24th and the autodialer did not call out.

(7) Plant out of service for thorough cleaning and maintenance of the oil water separator and coalescers.

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

MONTH:	AUGUST 2010				
	Time of Reading	10 Gallon Counter Readings	Flow (gallons)		
30-Jul	7:07	7,961,916			
1			**19,600**	(1) (4)	12
2	7:00	7,967,796	**27,530**	(5)	21.5
3	6:55	7,970,549	**23,110**		24
4	7:06	7,972,860	**22,680**	(5)	23.7
5	7:10	7,975,128	**22,550**	(5)	22.6
6	7:14	7,977,383	**18,188**		24
7			**18,188**		24
8			**12,883**		17
9	7:00	7,982,309	**27,290**	(5)	22
10	7:09	7,985,038	**24,280**		24
11	7:08	7,987,466	**23,540**		24
12	7:12	7,989,820	**24,460**	(5)	22.3
13	7:14	7,992,266	**21,617**	(5)	21.5
14			**19,103**		19
15			**0**		0
16	7:00	7,996,338	**27,280**		22
17	7:01	7,999,066	**1,900**	(3)	2
18		7,999,256	**0**	(3)	0
19	7:00	7,999,256	**0**	(3)	0
20	7:00	7,999,256	**160**	(3) (2)	0
21			**0**	(3)	0
22			**0**	(3)	0
23	7:00	7,999,272	**0**	(3)	0
24	7:00	7,999,272	**0**	(3)	0
25	7:00	7,999,272	**0**	(3)	0
26	7:00	7,999,272	**300**	(3) (2)	0
27	7:00	7,999,302	**29,409**		20
28			**35,291**		24
29			**35,291**		24
30	7:22	8,009,301	**27,050**	(5)	23.8
31	7:05	8,012,006	**26,120**		24
1-Sep	7:25	8,014,618			

No. of Days in Operation
21

Total Flow (gallons)
487,820

Average Daily Flow (gallons)
23,230

Maximum Daily Flow (gallons)
35,291

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

(2) Not leachate

(3) System out of service for carbon absorber replacement.

(4) System out of service due to high differential pressure at the transfer filters

(5) Plant off line for required maintenance, filter replacement, oil water separator cleaning and desludging, and carbon absorber backwashing.

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

MONTH: September 2010

	Time of Reading	10 Gallon Counter Readings	Flow (gallons)		Hrs. i/s
1	7:25 AM	8,014,618	**24,220**		24
2	6:57 AM	8,017,040	**24,490**		24
3	7:19 AM	8,019,489	**24,796**	(1)	24
4			**24,796**	(1)	24
5			**9,298**	(1) (2)	9.0
6	HOLIDAY		**0**	(1) (2)	0
7	4:45 PM	8,025,378	**5,840**	(2)	23
8	7:46 AM	8,025,962	**37,110**		24
9	7:46 AM	8,029,673	**30,570**		24
10	9:00 AM	8,032,730	**11,488**	(1) (3)	9.5
11			**20,558**	(1) (3)	17.0
12			**29,023**	(1)	24
13	7:09 AM	8,038,837	**26,330**	(4)	22.5
14	7:00 AM	8,041,470	**23,980**		24
15	7:06 AM	8,043,868	**22,430**	(5)	20.0
16	7:04 AM	8,046,111	**23,030**		24
17	7:14 AM	8,048,414	**22,250**	(1)	24
18			**22,250**	(1)	24
19			**22,250**	(1)	24
20	7:16 AM	8,055,089	**22,820**	(6)	23.9
21	8:03 AM	8,057,371	**10,610**	(8)	13
22	7:21 AM	8,058,432	**27,660**	(8)	23
23	7:03 AM	8,061,198	**22,240**	(7)	23.3
24	7:18 AM	8,063,422	**21,379**	(1) (4)	22.3
25			**23,061**	(1)	24
26			**11,530**	(1)	12.0
27	7:00 AM	8,069,019	**25,940**	(8)	23.0
28	7:16 AM	8,071,613	**27,030**		24
29	7:07 AM	8,074,316	**24,650**		24
30	7:21 AM	8,076,781	**27,760**		24
1-Oct	7:34 AM	8,079,557			

No. of Days in Operation
29

Total Flow (gallons)
649,390

Average Daily Flow (gallons)
22,393

Maximum Daily Flow (gallons)
37,110

(1) Estimated flow for weekends and holidays (readings not taken).
(2) On the 5th at 4 PM, the system shut down due to transfer filter high differential pressure. It was reset at 8 AM on the 7th; however, the flow was low until the inspection at 16:45, when the OWS influent filter was replaced.
(3) System tripped out due to high differential pressure at the transfer filters. Field Tech on site on the 11th, replaced transfer filters and placed system back in service by 2 PM.
(4) Pumping to the pretreatment plant was suspended to backwash the carbon absorber.
(5) Flow paused for oil-water separator and coalescer desludging and maintenance.
(6) Plant tripped on high differential pressure during transfer filter replacement.
(7) Shutdown directed by 26th Ward WWTP during flow investigation; leachate was ruled out.
(8) System tripped out due to high differential pressure at the transfer filters.

Groundwater Leachate Pretreatment

Daily Operations Reports

(July, August and September, 2010)

PENNSYLVANIA AVENUE LANDFILL
GROUNDWATER LEACHATE DAILY OPERATIONS MONTHLY REPORT
Month: JULY 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	1-Jul	24	x		x		x		1			Added one batch of citric acid.
Friday	2-Jul	22.3	x		x		x			100 mc	X	Backwashed the carbon tank. Replaced one of the twin filter bags (25 mc) and the transfer filters.
Weekend	3-Jul	24										
	4-Jul	2										Holiday - Plant removed from service at 9:00 AM to drain absorber in preparation for carbon change-out.
Monday	5-Jul	0		x		x	x					
Tuesday	6-Jul	17		x		x	x			50 mc	X	The carbon was changed-out, allowed to soak for a couple of hours, and fines backwashed before returning the plant to service at 2:00 PM. Replaced the transfer filters
Wednesday	7-Jul	24	x		x		x		3			Added three batches of citric acid.
Thursday	8-Jul	24	x		x		x		1			Performed plant sump maintenance. Added one batch of citric acid.
Friday	9-Jul	24	x		x		x		1	100 mc		Reset Pump Station No. 2 pump. Added one batch of citric acid. Changed the transfer filter bags.
Weekend	10-Jul	17										Plant went out of service at around midnight on the 10th, apparently due to high differential pressure.
	11-Jul	0										
Monday	12-Jul	21		x		x	x		1	50 mc	X	Backwashed the carbon absorber, replaced the transfer filters and the twin filters (25 mc), and returned the plant to service by 10 AM. Added one batch of citric acid.
Tuesday	13-Jul	24	x		x		x		1			
Wednesday	14-Jul	24	x		x		x		1			
Thursday	15-Jul	24	x		x		x		1	50 mc		Performed plant sump maintenance.
Friday	16-Jul	22	x		x		x		1	100 mc	X	Backwashed the carbon absorber. Replaced the oil water separator inlet bag filter (300 mc), the twin filters (25 mc) and the transfer filters. Performed sump maintenance.

PENNSYLVANIA AVENUE LANDFILL
GROUNDWATER LEACHATE DAILY OPERATIONS MONTHLY REPORT
Month: JULY 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	17-Jul	24										
	18-Jul	24										
Monday	19-Jul	23.8	x		x		x		3	50 mc		Plant tripped due to high differential pressure at the transfer filters (HDP). M1 sample collection. Added three batches of citric acid.
Tuesday	20-Jul	24	x		x		x					Completed M1 sample collection and delivered them to the lab.
Wednesday	21-Jul	23		x		x	x		1	50 mc		Added one batch of citric acid. Replaced the transfer filters. Plant tripped out due to HDP; out for one hour.
Thursday	22-Jul	24	x		x		x		1			Added one batch of citric acid.
Friday	23-Jul	22.5	x		x		x		1	100 mc	X	Backwashed the carbon tank. Replaced the transfer filters. Added one batch of citric acid. Completed the GWL-2 and GWL-5 inspections.
Weekend	24-Jul	14										Plant tripped out during the evening and the autodialer did not call out.
	25-Jul	0										
Monday	26-Jul	20		x		x	x		1	50 mc		Performed thorough **cleaning and desludging of oil water separator and coalescers**, replaced filters and returned the plant to service. Checked the shutdown alarm and autodialer and repaired the telephone connection and call-out program. Received a citric acid delivery. Added one batch of citric acid.
Tuesday	27-Jul	24	x		x		x		1			Replaced the OWS inlet bag filter. Added one batch of citric acid.
Wednesday	28-Jul	24	x		x		x		1			Added one batch of citric acid.
Thursday	29-Jul	22.2	x		x		x		1	50 mc	X	Backwashed the carbon absorber. Replaced the twin filters (25 mc) and the transfer filters. Added one batch of citric acid.
Friday	30-Jul	24	x		x		x		1	100 mc		Added one batch of citric acid. Replaced the transfer filters.
Saturday	31-Jul	24										

GROUNDWATER LEACHATE DAILY OPERATIONS MONTHLY REPORT

Month: August 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				
Sunday	1-Aug	12										Plant went out of service at approximately 7 PM due to high transfer filter differential pressure.
Monday	2-Aug	21.5		x		x	x		**2**	50 mc	**X**	Replaced transfer filters, backwashed carbon absorber and returned plant to service by 9:25 AM. Replaced the OWS-Inlet bag filter (300 mc). Added two batches of citric acid.
Tuesday	3-Aug	24	x		x		x		**1**			Added one batch of citric acid.
Wednesday	4-Aug	23.7	x		x		x		**1**	50 mc		Replaced transfer filters and twin filters (25 mc). Plant out of service during filter replacement. Added one batch of citric acid.
Thursday	5-Aug	22.6		x	x		x			50 mc	**X**	Backwashed the carbon absorber and replaced the transfer filters again.
Friday	6-Aug	24	x		x		x		**1**	100 mc		Replaced transfer filters. Added one batch of citric acid. Cleaned sump pump check valves.
Weekend	7-Aug	24										
	8-Aug	17										Plant went out off service at around midnight due to HDP at the transfer filters.
Monday	9-Aug	22		x		x	x		**2**	50 mc	**X**	Backwashed the carbon absorber and replaced the transfer filters. Replaced twin filters (25 mc) and observed carbon accumulation in extracted twin filter bags. Plant returned to service at 9:05 AM. Added two batches of citric acid.
Tuesday	10-Aug	24	x		x		x		**1**			Added one batch of citric acid.
Wednesday	11-Aug	24	x		x		x			50 mc		Changed transfer filters. Cleaned Control Room.
Thursday	12-Aug	22.3		x	x		x		**1**	50 mc	**X**	Backwashed the carbon absorber. Plant off-line from 7:35 AM to 9:15 AM. Before site departure, observed high pressures at the twin filters, replaced the filter bags (25 mc) and found carbon buildup; suspect broken lateral or header leak. Replaced the transfer filters as well. Added one batch of citric acid.
Friday	13-Aug	21.5	x		x		x		**1**	100 mc		Added one batch of citric acid. Replaced transfer filters. Performed thorough **cleaning and desludging of the oil water separator and coalescers.** Plant off-line from 11 AM to 1:30 PM. Performed maintenance on sump pump, valves and pit.
Weekend	14-Aug	19										Plant went out of service at around 2 AM, on 8/15/10, due to HDP at the transfer filters. **Note:** Since records are from 7 to 7 AM, plant is recorded as off line for 5 hours on the 14th and all 24 hours on the 15th.
	15-Aug	0										
Monday	16-Aug	22		x		x		x	**2**	50 mc	**X**	Backwashed carbon absorber. Replaced transfer filters and OWS-Inlet filter (300 mc). Placed plant back in service at 9 AM. Cleaned sump pump and valves. Rebooted the operator's interface computer. Added one batch of citric acid. Carbonair equipment for carbon absorber replacement arrived on site.

GROUNDWATER LEACHATE DAILY OPERATIONS MONTHLY REPORT

Month: August 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	17-Aug	2	x		x		x		**1**			Added one batch of citric acid. **Carbonair started removing carbon from the 5,000 lb carbon absorbers.** The system had to be removed from service at around **9 AM**, earlier than planned, because one of the twin filters (used as effluent filters for the temporary carbon tank) sprang a leak. The plant will remain off-line until the carbon tank replacement is completed. Performed thorough maintenance of the sump pump, valves and pit.
Wednesday	18-Aug	0		x		x	x					Plant out of service. Carbonair finished removing carbon from absorbers and started disconnecting tanks for removal.
Thursday	19-Aug	0		x		x	x					Plant out of service. Carbonair removed the carbon absorbers.
Friday	20-Aug	0		x		x	x					Plant out of service. New Carbon Tanks were placed in building.
Weekend	21-Aug	0										Due to high humidity in Virginia, tanks may not have cured properly (high odor); therefore, they were allowed to sit empty for a few days to allow paint to cure.
	22-Aug	0										
Monday	23-Aug	0		x		x	x					Plant continues to be out of service. Performed sump maintenance.
Tuesday	24-Aug	0		x		x	x					Plant out of service. Carbonair on site, filled new absorbers with carbon, completed pipe hook-up and secured manways. Started reconnecting effluent filter F-301 to system.
Wednesday	25-Aug	0		x		x	x					Plant out of service. Filled absorbers with city water and allowed to soak over-night.
Thursday	26-Aug	0		x		x	x				**X**	Plant out of service. Completed installation of effluent filter F-301. Backwashed the absorbers for 25 minutes at the end of the day.
Friday	27-Aug	20		x		x	x			50 mc	**X**	Backwashed the absorbers (2 hours) to remove fines from virgin carbon. Replaced the transfer filters and the effluent filter F-301 (150 mc). **Placed the plant in service at 11 AM.**
Weekend	28-Aug	24										
	29-Aug	24										
Monday	30-Aug	23.8	x		x		x		**3**	50 mc		Citric acid feed off upon arrival due to low level. Added three batches of citric acid. Replaced transfer filters. Plant tripped due to HDP during filter change, out for 10 minutes. Started collecting the M1 effluent sample.
Tuesday	31-Aug	24	x		x		x		**1**			Added one batch of citric acid. Completed M1 sample collection. Pump Station No. 1 variable frequency drive problems without a fault. Had to power off to reset.

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

Date		Hours On Line	System		Tank Levels		Computer Control		Citric Acid Addition (50 Lb. batches)	Transfer Filter (F-201 & F-202) Change	Carbon Backwash	Remarks
			Normal	**Not** Normal	Normal	**Not** Normal	Normal	**Not** Normal				
Wednesday	1-Sep	24	x		x		x		1	50 mc		Added one batch of citric acid. Replaced the transfer filters (50 mc)
Thursday	2-Sep	24	x		x		x		1			Added one batch of citric acid.
Friday	3-Sep	24	x		x		x		1	100 mc		Added one batch of citric acid. Replaced the transfer filters (100mc)
Weekend	4-Sep	24										
	5-Sep	9.0										Plant went out of service at 4:00 PM
Monday	6-Sep	0										Holiday.
Tuesday	7-Sep	23	x			x	x		2	100 mc		System was down since 16:00 on the 5th, due to transfer filter high differential pressure. It was reset at 8 AM on the 7th. Replaced the transfer filters (100 mc). The flow was low until the inspection at 16:45, when the OWS influent filter was replaced (300 mc). The pH probe was malfunctioning and sending no signal; therefore system was not feeding. Set the system to manual and reduced the feed stroke to 30%. Added two batches of citric acid.
Wednesday	8-Sep	24	x		x		x					Collecting GWL pretreatment influent samples. Turned acid feed off at 19:00, could not reduce manual feed within range. Schedule repair of acid system for following week.
Thursday	9-Sep	24	x			x	x		1			Added one batch of citric acid. Turned acid feed back on at 7:45 on manual feed at 15% stroke. Completed influent sample collection and started M1 discharge sample collection.
Friday	10-Sep	9.5	x		x		x					Reduced acid feed pump stroke to 10%. Completed M1 discharge sample collection. Plant tripped on high transfer filter differential pressure at 16:00.
Weekend	11-Sep	17.0							2	100 mc		Field tech on site. Replaced the transfer filters (100 mc). System restart was difficult, and it was back on line by 14:00. Added two batches of citric acid.
	12-Sep	24										
Monday	13-Sep	22.5	x			x	x		3	50 mc 50 mc	X	Added three batches of citric acid. Replaced the transfer filters (50mc). Cleaned and performed maintenance on the sump and valves. Plant tripped off at 13:00, restarted it at 13:25, to discover that carbon system required backwashing. Set system back off to backwash and started flow at 14:30. Replaced transfer filters again (50 mc).
Tuesday	14-Sep	24	x			x	x		3			Added three batches of citric acid. Calibrated and reset pH probe and adjusted the acid feed from manual to auto and the pump stroke from 9 to 37% (checked pH within range at 6.1-6.2). Performed preventive maintenance and cleaned the check valve on transfer pump P-201.

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

Date		Hours On Line	System		Tank Levels		Computer Control		Citric Acid Addition (50 Lb. batches)	Transfer Filter (F-201 & F-202) Change	Carbon Backwash	Remarks
			Normal	**Not** Normal	Normal	**Not** Normal	Normal	**Not** Normal				
Wednesday	15-Sep	20.0	x		x		x		2	50 mc		Added two batches of citric acid. Plant tripped with HDP; replaced the transfer filters (50 mc). The Oil-Water Separator was desludged and washed, and the coalescers were removed and thoroughly cleaned. Performed preventive maintenance and cleaned the check valve on transfer pump P-202. Warehouse housekeeping.
Thursday	16-Sep	24	x		x		x		2			Added two batches of citric acid.
Friday	17-Sep	24	x		x		x		1	100 mc		Added one batch of citric acid. Replaced the transfer filters (100 mc). Completed the GWL-3 quarterly inspection.
Weekend	18-Sep	24										
	19-Sep	24										
Monday	20-Sep	23.9	x			x	x		3	50 mc		Added three batches of citric acid. Replaced the transfer filters (50 mc).
Tuesday	21-Sep	13	x		x		x		1			Added one batch of citric acid. Plant tripped out at 20:00 due to HDP at the transfer filters.
Wednesday	22-Sep	23		x		x	x		1	50 mc		Replaced the transfer filters (50 mc) and returned the plant to service at 7:55 am. Pump Station No. 2, P-103 tripped on overload, reset it and it was alright (pump station outage does not halt flow). Added one batch of citric acid. Received a citric acid delivery.
Thursday	23-Sep	23.3	x		x		x		2			Added two batches of citric acid. Flow to the plant was halted at 26th Ward WWTP's while a leak was investigated. Discharge was found to be potable water from an abandoned irrigation line and not leachate as suspected.
Friday	24-Sep	22.3	x		x		x		2	100 mc	X	Backwashed the carbon absorbers. Replaced the transfer filters (100 mc). Added two batches of citric acid.
Weekend	25-Sep	24										
	26-Sep	12.0										
Monday	27-Sep	23.0		x		x	x		3	50 mc		Added three batches of citric acid. Plant tripped on high differential pressure. Replaced the transfer filters (50 mc) and the filter at the influent to the Oil-Water Separator (300 mc). Pump Station No. 2, P-103 tripped on overload, it was reset. Prepared the twin filters to be taken in to weld and repair leaks.
Tuesday	28-Sep	24	x		x		x		2	50 mc		Added two batches of citric acid. Replaced the transfer filters (50 mc) and the effluent F-301 filter (150 mc). Installed missing bolts on carbon absorber base supports. Started preparation work to paint equipment and supports.
Wednesday	29-Sep	24	x		x		x		2			Added two batches of citric acid.
Thursday	30-Sep	24	x		x		x		1	50 mc		Added one batch of citric acid. Changed the transfer filters (50 mc)

Groundwater Leachate Pretreatment

GWL-1 Biweekly Inspections

(July, August and September, 2010)

GWL-1

Date: 7-1-10.
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: 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: 47.75.00 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 44 inches			

Note: When checking bulbs, check (v) 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: 7-1-10. Inspected by: E. McLaren

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 34"			
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: 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: 41.14.00 Hz			
10. In-Line Bag Filters			
A. Check and record DPT-201 reading 13.37 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: 7-1-10 / 12.40p	**Reading:**	7903393	
Date/time: 6-30-10 / 7.04a	**Previous Reading:**	7900404	
B. Record DPT-301 reading _____ psi	**Quantity:**	2989	
C. Replace filter F-301 Date: _____	D. Backwash Date: 6-30-10		
E. Arrangement: ☐ Series ☐ Parallel	F. Leading Absorber: ☐ F-201 ☐ F-202		
G. Pressure Gauge Local Readings:	* Carbon Absorbers Influent: 36 psi		
F-301 Filter Effluent: _____ psi	Carbon Absorbers Effluent: 10 psi		

* Temporary Carbon Absorber In Service.

GWL-1

Date: 7-7-10.
Time: 9.15a
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: 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 38.75 inches			

Note: When checking bulbs, check (v) 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: 7-7-10. Inspected by: G. 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 34"			
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: 0.00 .00 Hz			
Transfer Pump P-202			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 35.3600 Hz			
10. In-Line Bag Filters			
A. Check and record DPT-201 reading 6.08 psi			
B. Arrangement: ☐ Series ☑ Parallel	C. Leading Filter: ☐ F-201 ☐ F-202		
D. Replace Filters: Date: 7-6-10.	☐ 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: 7-7-10 / 9.47a	**Reading:**	7913733	
Date/time: 7-4-10 / 9:00a.	**Previous Reading:**	7909804	
B. Record DPT-301 reading _____ psi	**Quantity:**	3929	
C. Replace filter F-301 Date: 12-28-09	D. Backwash Date: 7-6-10		
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: 18 psi		

* Temporary Carbon Absorber In Service. (Carbon Change - 7-6-10).

GWL-1

Date: 7-9-10.
Time: 8.50a.
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: 48.99.00 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: 47.75.00 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 39.5 inches			

Note: When checking bulbs, check (v) 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: 7-9-10. 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 34"			
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: 23.93 .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 1.05 psi			
B. Arrangement: ☐ Series ☑ Parallel	C. Leading Filter: ☐ F-201 ☐ F-202		
D. Replace Filters: Date: 7-9-10.		☑ 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: 7-9-10 / 10.18a	**Reading:**	7917815	
Date/time: 7-8-10 / 7.12a	**Previous Reading:**	7915089	
B. Record DPT-301 reading _____ psi	**Quantity:**	2726	
C. Replace filter F-301 Date: 12-28-09	D. Backwash Date: 7-6-10		
E. Arrangement: ☐ Series ☐ Parallel	F. Leading Absorber: ☐ F-201 ☐ F-202		
G. Pressure Gauge Local Readings:	* Carbon Absorbers Influent: 8 psi		
F-301 Filter Effluent: _____ psi	Carbon Absorbers Effluent: 8 psi		

* Temporary Carbon Absorber In Service.

GWL-1

Date: 7-13-10.
Time: 8.45am
Inspected By: E. Mc Leay.

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: 50.44 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 35.25 inches			

Note: When checking bulbs, check (v) 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: 7-13-10. 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 34"			
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: 0.00 .00 Hz			
Transfer Pump P-202			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 35.89.00 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: 7-13-10. ☐ 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: 7-13-10 / 9.35a.m.	**Reading:**	7924540	
Date/time: 7-12-10 / 6.45a.m.	**Previous Reading:**	7921573	
B. Record DPT-301 reading _____ psi	**Quantity:**	2967	
C. Replace filter F-301 Date: 12-28-09	D. Backwash Date: 7-12-10		
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 psi		

* Temporary Carbon Absorber In Service.

GWL-1

Date: 7-15-10.
Time: 8:45a
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: 45.51.00 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 35.5 inches			

Note: When checking bulbs, check (v) 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: 7-15-10. 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 34"			
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: 24.03.00 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: 7-15-10.		☑ 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: 7-15-10 / 9.30am	**Reading:**	7929796	
Date/time: 7-14-10 / 9.00am	**Previous Reading:**	7927091	
B. Record DPT-301 reading _____ psi	**Quantity:**	2705	
C. Replace filter F-301 Date: _____	D. Backwash Date: 7-13-10.		
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: 7-20-10.
Time: 7:44a
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: 48.46.00 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	
2. Pump Stations #2			
A. Variable Frequency Drive		☑ On	☐ Off
Frequency: 39.56.00 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 34.5 inches			

Note: When checking bulbs, check (v) 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: 7-20-10. Inspected by: S. 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 34"			
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: 27.67.00 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 16.64 psi			
B. Arrangement: ☐ Series ☑ Parallel	C. Leading Filter: ☐ F-201 ☐ F-202		
D. Replace Filters: Date: 7-19-10.		☐ Yes	☑ No
11. Leachate Discharge Transfer Pumps P-301			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Red)	☑ Bulb	☐ On	☑ Off
Leachate Discharge Transfer Pumps P-302			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Red)	☑ Bulb	☐ On	☑ Off
12. Carbon Absorption System			
A. Record leachate flow through Carbon Absorber		10 Gallon Count	
Date/time: 7-20-10 / 8.18a	**Reading:**	7941739	
Date/time: 7-19-10 / 7.05a	**Previous Reading:**	7939275	
B. Record DPT-301 reading _____ psi	**Quantity:**	2464	
C. Replace filter F-301 Date: _____	D. Backwash Date: 7-16-10		
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 psi		

* Temporary Carbon Absorber In Service.

GWL-1

Date: 7-22-18
Time: 8:00am
Inspected By: E. McLeish

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: 41.03.00 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 (v) 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: 7-22-10. Inspected by: G. 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 34"			
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: 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: 37.97.00 Hz			
10. In-Line Bag Filters			
A. Check and record DPT-201 reading 8.34 psi			
B. Arrangement: ☐ Series ☑ Parallel	C. Leading Filter: ☐ F-201 ☐ F-202		
D. Replace Filters: Date: 7-21-10.		☐ Yes	☑ No
11. Leachate Discharge Transfer Pumps P-301			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Red)	☑ Bulb	☐ On	☑ Off
Leachate Discharge Transfer Pumps P-302			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Red)	☑ Bulb	☐ On	☑ Off
12. Carbon Absorption System			
A. Record leachate flow through Carbon Absorber		10 Gallon Count	
Date/time: 7-22-10 / 8.55a.m.	**Reading:**	7946315	
Date/time: 7-21-10 / 7.00a.m.	**Previous Reading:**	7943705	
B. Record DPT-301 reading _____ psi	**Quantity:**	2510	
C. Replace filter F-301 Date: 12-28-09	D. Backwash Date: 7-16-10		
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: 7 psi		

* Temporary Carbon Absorber In Service.

GWL-1

Date: 7-27-10.
Time: 10:30am
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: 48.99.00 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: 46.65.00 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 (v) 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: 7-27-10. Inspected by: E. McLean

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____ B. Tank Cleaning Date: 7-26-10.			
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: 7-26-10. D. Decant Tote Date: 7-26-10.			
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: 31.26 .00 Hz			
10. In-Line Bag Filters			
A. Check and record DPT-201 reading 4.74 psi			
B. Arrangement: ☐ Series ☑ Parallel C. Leading Filter: ☐ F-201 ☐ F-202			
D. Replace Filters: Date: 7-26-10. ☐ 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: 7-27-10 / 10.49a	**Reading:**	7954863	
Date/time: 7-26-10 / 7.00a	**Previous Reading:**	7951681	
B. Record DPT-301 reading _____ psi	**Quantity:**	3182	
C. Replace filter F-301 Date: 12-28-09 D. Backwash Date: 7-23-10			
E. Arrangement: ☐ Series ☐ Parallel F. Leading Absorber: ☐ F-201 ☐ F-202			
G. Pressure Gauge Local Readings: * Carbon Absorbers Influent: 16 psi			
F-301 Filter Effluent: _____ psi Carbon Absorbers Effluent: 10 psi			

* Temporary Carbon Absorber In Service.

GWL-1

Date: 7-29-10
Time: 7.45a
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: 18.06.00 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 39.75 inches			

Note: When checking bulbs, check (v) 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: 7-29-10 Inspected by: E.McLEAN

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____ B. Tank Cleaning Date: 7-26-10			
7. OWS Product Pump P-204			
A. Running Light (Red)	☑ Bulb	☐ On	☑ Off
8. Sludge Pump P-205			
A. Running Light (Red)	☑ Bulb	☐ On	☑ Off
B. Sludge Storage Tote Level 35"			
C. Sludge Transfer Date: 7-26-10	D. Decant Tote Date: 7-26-10		
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: 53.80 .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 29.84 psi			
B. Arrangement: ☐ Series ☑ Parallel	C. Leading Filter: ☐ F-201 ☐ F-202		
D. Replace Filters: Date: 7-26-10	☐ 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: 7-29-10 / 8.09 a.m.	**Reading:**	7959608	
Date/time: 7-28-10 / 7.06 a.m.	**Previous Reading:**	7957107	
B. Record DPT-301 reading _____ psi	**Quantity:**	2501	
C. Replace filter F-301 Date: 12-28-09	D. Backwash Date: 7-23-10		
E. Arrangement: ☐ Series ☐ Parallel	F. Leading Absorber: ☐ F-201 ☐ F-202		
G. Pressure Gauge Local Readings:	* Carbon Absorbers Influent: 38 psi		
F-301 Filter Effluent: _____ psi	Carbon Absorbers Effluent: 15 psi		

* TEMPERORY CARBON ABSORBER IN SERVICE.

GWL-1

Date: 8-3-10.
Time: 7:45a
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: 17.9300 Hz			
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
3. Pumping Stations #1 and #2 Manholes		**(ONCE WEEKLY)**	
A. Pump Station No.1 leak detection riser observation:			
Leak detected		☐ Yes	☑ No
B. Pump Station No. 2 leak detection riser observation:			
Leak detected		☐ Yes	☑ No
C. Leak Detection /Drain Manhole at Sta. B14+97.32 riser observation:			
Leak detected		☐ Yes	☑ No
D. Inspect Leachate Air/Vacuum release manhole			
Leak detected		☐ Yes	☑ No
E. Air/Vacuum release system function		☑ Normal	☐ Fail
4. Product Storage T-110		**(ONCE WEEKLY)**	
A. Record storage tank level _____			
B. Coordinate tanker schedule for product removal		☐ Yes	☐ No
C. Record total gallons removed _____ gallons			
D. Monitor tanker procedures		☐ Yes	☐ No
5. Acid Feed Pump P-203			
A. Running Light (Amber)		☑ On	☐ Off
B. Stroke Setting 70 %			
C. Acid Storage Tank Level 40.5 inches			

Note: When checking bulbs, check (v) 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: 8-3-10. Inspected by: E. McLoan

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____ B. Tank Cleaning Date: 7-26-10.			
7. OWS Product Pump P-204			
A. Running Light (Red)	☑ Bulb	☐ On	☑ Off
8. Sludge Pump P-205			
A. Running Light (Red)	☑ Bulb	☐ On	☑ Off
B. Sludge Storage Tote Level 35"			
C. Sludge Transfer Date: 7-26-10.	D. Decant Tote Date: 7-26-10.		
9. Transfer Pump P-201			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 31.06.00 Hz			
Transfer Pump P-202			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☐ On	☑ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 0.00 .00 Hz			
10. In-Line Bag Filters			
A. Check and record DPT-201 reading 3.34 psi			
B. Arrangement: ☐ Series ☑ Parallel	C. Leading Filter: ☐ F-201 ☐ F-202		
D. Replace Filters: Date: 8-3-10.	☐ 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: 8-3-10 / 8:30a	**Reading:**	7470704	
Date/time: 8-3-10 / 7:00a	**Previous Reading:**	7467796	
B. Record DPT-301 reading _____ psi	**Quantity:**	2908	
C. Replace filter F-301 Date: 12-28-09	D. Backwash Date: 8-3-10		
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: 10 psi		

* Temporarily Carbon Absorber In Service.

GWL-1

Date: 8-5-10.
Time: 9.30am.
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: 48.99.00 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: 17.85.00 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 34.5 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: 8-5-10. Inspected by: E. McLEAN

INSPECTION AND MAINTENANCE TASKS	ACTION

6. Oil Water Separator Tank

A. Skimming Date: _____ B. Tank Cleaning Date: 7-26-10.

7. OWS Product Pump P-204

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

8. Sludge Pump P-205

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

B. Sludge Storage Tote Level 35"

C. Sludge Transfer Date: 7-26-10. D. Decant Tote Date: 7-26-10.

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: 22.11 .00 Hz

10. In-Line Bag Filters

A. Check and record DPT-201 reading 1.32 psi

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

D. Replace Filters: Date: 8-5-10. ☑ 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: 8-5-10 / 10.13a.m. **Reading:** 7975449

Date/time: 8-4-10 / 7.06a.m. **Previous Reading:** 7972860

B. Record DPT-301 reading _____ psi **Quantity:** 2589

C. Replace filter F-301 Date: 12-28-09 D. Backwash Date: 8-5-10

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

G. Pressure Gauge Local Readings: *Carbon Absorbers Influent: 8 psi

F-301 Filter Effluent: _____ psi Carbon Absorbers Effluent: 7 psi

* Temporary Carbon Absorber In Service.

GWL-1

Date: 8-10-10.
Time: 8.00 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: 48.96.00 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: 43.60.00 Hz			
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
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: 8-10-10. Inspected by: E. McLean

INSPECTION AND MAINTENANCE TASKS	ACTION

6. Oil Water Separator Tank

A. Skimming Date: _____ B. Tank Cleaning Date: 7-26-10

7. OWS Product Pump P-204

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

8. Sludge Pump P-205

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

B. Sludge Storage Tote Level 35"

C. Sludge Transfer Date: 7-26-10. D. Decant Tote Date: 7-26-10.

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: 6.00 .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: 34.81 .00 Hz

10. In-Line Bag Filters

A. Check and record DPT-201 reading 8.12 psi

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

D. Replace Filters: Date: 8-9-10 ☐ 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: 8-10-10 / 9.45a.m. **Reading:** 7985215

Date/time: 8-9-10 / 9.00a.m. **Previous Reading:** ~~7982609~~ 7985309

B. Record DPT-301 reading _____ psi **Quantity:** 2906

C. Replace filter F-301 Date: 12-28-09. D. Backwash Date: 8-9-10.

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: 7 psi

* Temporary Carbon Absorber In Service.

GWL-1

Date: 8-13-10
Time: 10:15a
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: 48.89.00 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: 50.47.00 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: 8-12-10. Inspected by: E. McLean.

INSPECTION AND MAINTENANCE TASKS	ACTION

6. Oil Water Separator Tank

A. Skimming Date: _____ B. Tank Cleaning Date: 7-26-10.

7. OWS Product Pump P-204

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

8. Sludge Pump P-205

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

B. Sludge Storage Tote Level 35"

C. Sludge Transfer Date: 7-26-10. D. Decant Tote Date: 7-26-10.

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: 30.83.00 Hz

Transfer Pump P-202

A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☐ On	☑ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	

F. VFD Frequency: 0.00 .00 Hz

10. In-Line Bag Filters

A. Check and record DPT-201 reading 13.87 psi

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

D. Replace Filters: Date: 8-11-10. ☐ 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: 8-12-10 / 10.50a **Reading:** 7490197

Date/time: 8-11-10 / 7.08a **Previous Reading:** 7487466

B. Record DPT-301 reading _____ psi **Quantity:** 2731

C. Replace filter F-301 Date: 12-28-09. D. Backwash Date: 8-12-10.

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

G. Pressure Gauge Local Readings: * Carbon Absorbers Influent: 8 psi

F-301 Filter Effluent: _____ psi Carbon Absorbers Effluent: 7 psi

* Temporary Carbon Absorber In Service.

GWL-1

Date: 8-17-10.
Time: 7:35 am
Inspected By: E. McLeish.

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: 59.45.00 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 41 inches			

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

GWL-1 Date: 8-17-10. Inspected by: E.McLean.

INSPECTION AND MAINTENANCE TASKS	ACTION

6. Oil Water Separator Tank

A. Skimming Date: _____ B. Tank Cleaning Date: 8-13-10

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: 8-13-10 D. Decant Tote Date: 8-13-10

9. Transfer Pump P-201

A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	

F. VFD Frequency: 53.9700 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 7.57 psi

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

D. Replace Filters: Date: 8-17-10 ☐ 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: 8-17-10 / 8:22a **Reading:** 7999200

Date/time: 8-16-10 / 7:00a **Previous Reading:** 7996338

B. Record DPT-301 reading _____ psi **Quantity:** 2862

C. Replace filter F-301 Date: 12-28-09 D. Backwash Date: 8-16-10

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

G. Pressure Gauge Local Readings: *Carbon Absorbers Influent: 50 psi

F-301 Filter Effluent: _____ psi Carbon Absorbers Effluent: 10 psi

* Temporary Carbon Absorber In Service.

GWL-1

Date: 8-19-10.
Time: 1:00p
Inspected By: E. McLean.

LECHEATE SYSTEM O&M INSPECTION CHECKLIST
PENNSYLVANIA AVENUE LANDFILL

INSPECTION AND MAINTENANCE TASKS	ACTION		
1. Pump Stations #1			
A. Variable Frequency Drive	☑ On	☑ Off	
Frequency: 0.00 .00 Hz			
B. Running Light (Green)	☑ Bulb	☐ On	☑ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
2. Pump Stations #2			
A. Variable Frequency Drive		☑ On	☑ Off
Frequency: 0.00 .00 Hz			
B. Running Light (Green)	☑ Bulb	☐ On	☑ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
3. Pumping Stations #1 and #2 Manholes			**(ONCE WEEKLY)**
A. Pump Station No.1 leak detection riser observation:			
Leak detected		☐ Yes	☑ No
B. Pump Station No. 2 leak detection riser observation:			
Leak detected		☐ Yes	☑ No
C. Leak Detection /Drain Manhole at Sta. B14+97.32 riser observation:			
Leak detected		☐ Yes	☑ No
D. Inspect Leachate Air/Vacuum release manhole			
Leak detected		☐ Yes	☑ No
E. Air/Vacuum release system function		☑ Normal	☐ Fail
4. Product Storage T-110			**(ONCE WEEKLY)**
A. Record storage tank level _____			
B. Coordinate tanker schedule for product removal		☐ Yes	☐ No
C. Record total gallons removed _____ gallons			
D. Monitor tanker procedures		☐ Yes	☐ No
5. Acid Feed Pump P-203			
A. Running Light (Amber)		☐ On	☑ Off
B. Stroke Setting 70 %			
C. Acid Storage Tank Level 41 inches			

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

Plant Is Out of Service — Replacing Carbon Absorbers.

GWL-1 Date: 8-19-10. Inspected by: E. McLean.

INSPECTION AND MAINTENANCE TASKS	ACTION

6. Oil Water Separator Tank

A. Skimming Date: _____ B. Tank Cleaning Date: 8-13-10.

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: 8-13-10. D. Decant Tote Date: 8-13-10.

9. Transfer Pump P-201

A. Circuit Breaker Switch ☑ On ☐ Off

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

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

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

E. Selector Switch Position ☑ Auto ☐ Manual

F. VFD Frequency: 0.00 .00 Hz

Transfer Pump P-202

A. Circuit Breaker Switch ☑ On ☐ Off

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

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

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

E. Selector Switch Position ☑ Auto ☐ Manual

F. VFD Frequency: 0.00 .00 Hz

10. In-Line Bag Filters

A. Check and record DPT-201 reading 0.00 psi

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

D. Replace Filters: Date: 8-19-10 ☐ Yes ☑ No

11. Leachate Discharge Transfer Pumps P-301

A. Circuit Breaker Switch ☑ On ☐ Off

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

Leachate Discharge Transfer Pumps P-302

A. Circuit Breaker Switch ☑ On ☐ Off

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

12. Carbon Absorption System

A. Record leachate flow through Carbon Absorber 10 Gallon Count

Date/time: 8-19-10 / 7 a.m. **Reading:** 7999355

Date/time: 8-17-10 / 7 a.m. **Previous Reading:** 7999066

B. Record DPT-301 reading _____ psi **Quantity:** 189

C. Replace filter F-301 Date: _____ D. Backwash Date: 8-16-10.

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

G. Pressure Gauge Local Readings: Carbon Absorbers Influent: 0 psi

F-301 Filter Effluent: _____ psi Carbon Absorbers Effluent: 0 psi

GWL-1

Date: 8-24-10
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: 0.00 .00 Hz			
B. Running Light (Green)	☑ Bulb	☐ On	☑ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
2. Pump Stations #2			
A. Variable Frequency Drive		☑ On	☐ Off
Frequency: 0.00 .00 Hz			
B. Running Light (Green)	☑ Bulb	☐ On	☑ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
3. Pumping Stations #1 and #2 Manholes			**(ONCE WEEKLY)**
A. Pump Station No.1 leak detection riser observation:			
Leak detected		☐ Yes	☑ No
B. Pump Station No. 2 leak detection riser observation:			
Leak detected		☐ Yes	☑ No
C. Leak Detection /Drain Manhole at Sta. B14+97.32 riser observation:			
Leak detected		☐ Yes	☑ No
D. Inspect Leachate Air/Vacuum release manhole			
Leak detected		☐ Yes	☑ No
E. Air/Vacuum release system function		☑ Normal	☐ Fail
4. Product Storage T-110			**(ONCE WEEKLY)**
A. Record storage tank level _____			
B. Coordinate tanker schedule for product removal		☐ Yes	☐ No
C. Record total gallons removed _____ gallons			
D. Monitor tanker procedures		☐ Yes	☐ No
5. Acid Feed Pump P-203			
A. Running Light (Amber)		☐ On	☑ Off
B. Stroke Setting 70 %			
C. Acid Storage Tank Level 41 inches			

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

Plant Is Out Of Service — Replacing Carbon Absorbers.

GWL-1 Date: 8-24-10 Inspected by: McLean

INSPECTION AND MAINTENANCE TASKS	ACTION

6. Oil Water Separator Tank

A. Skimming Date: _____ B. Tank Cleaning Date: 8-13-10

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: 8-13-10 D. Decant Tote Date: 8-13-10

9. Transfer Pump P-201

A. Circuit Breaker Switch ☑ On ☐ Off

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

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

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

E. Selector Switch Position ☑ Auto ☐ Manual

F. VFD Frequency: 0.00 .00 Hz

Transfer Pump P-202

A. Circuit Breaker Switch ☑ On ☐ Off

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

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

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

E. Selector Switch Position ☑ Auto ☐ Manual

F. VFD Frequency: 0.00.00 Hz

10. In-Line Bag Filters

A. Check and record DPT-201 reading 0.0 psi

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

D. Replace Filters: Date: 8-19-10. ☐ Yes ☑ No

11. Leachate Discharge Transfer Pumps P-301

A. Circuit Breaker Switch ☑ On ☐ Off

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

Leachate Discharge Transfer Pumps P-302

A. Circuit Breaker Switch ☑ On ☐ Off

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

12. Carbon Absorption System

A. Record leachate flow through Carbon Absorber 10 Gallon Count

Date/time: 8-24-10 / 8.30a **Reading:** 7499272

Date/time: 8-23-10 / 7.00a **Previous Reading:** 9999272

B. Record DPT-301 reading _____ psi **Quantity:** 0

C. Replace filter F-301 Date: 12-28-09 D. Backwash Date: 8-16-10.

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

G. Pressure Gauge Local Readings:

F-301 Filter Effluent: _____ psi Carbon Absorbers Influent: 0 psi

Carbon Absorbers Effluent: 0 psi

GWL-1

Date: 8-26-10.
Time: 9:30a
Inspected By: E. McLean

LECHEATE SYSTEM O&M INSPECTION CHECKLIST
PENNSYLVANIA AVENUE LANDFILL

INSPECTION AND MAINTENANCE TASKS	ACTION		
1. Pump Stations #1			
A. Variable Frequency Drive	☑ On	☐ Off	
Frequency: 0.00 .00 Hz			
B. Running Light (Green)	☑ Bulb	☐ On	☑ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
2. Pump Stations #2			
A. Variable Frequency Drive		☑ On	☐ Off
Frequency: 0.00 .00 Hz			
B. Running Light (Green)	☑ Bulb	☐ On	☑ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
3. Pumping Stations #1 and #2 Manholes		**(ONCE WEEKLY)**	
A. Pump Station No.1 leak detection riser observation:			
Leak detected		☐ Yes	☑ No
B. Pump Station No. 2 leak detection riser observation:			
Leak detected		☐ Yes	☑ No
C. Leak Detection /Drain Manhole at Sta. B14+97.32 riser observation:			
Leak detected		☐ Yes	☑ No
D. Inspect Leachate Air/Vacuum release manhole			
Leak detected		☐ Yes	☑ No
E. Air/Vacuum release system function		☑ Normal	☐ Fail
4. Product Storage T-110		**(ONCE WEEKLY)**	
A. Record storage tank level _____			
B. Coordinate tanker schedule for product removal		☐ Yes	☐ No
C. Record total gallons removed _____ gallons			
D. Monitor tanker procedures		☐ Yes	☐ No
5. Acid Feed Pump P-203			
A. Running Light (Amber)		☐ On	☑ Off
B. Stroke Setting 70 %			
C. Acid Storage Tank Level 41 inches			

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

PLANT IS OUT OF SERVICE - REPLACING CARBON ABSORBERS.

GWL-1 Date: 8-25-10. Inspected by: E. McLean

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____ B. Tank Cleaning Date: 8-13-10.			
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: 8-13-10. D. Decant Tote Date: 8-13-10			
9. Transfer Pump P-201			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☐ On	☑ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 0.00 .00 Hz			
Transfer Pump P-202			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☐ On	☑ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 0.00 .00 Hz			
10. In-Line Bag Filters			
A. Check and record DPT-201 reading 0.0 psi			
B. Arrangement: ☐ Series ☑ Parallel C. Leading Filter: ☐ F-201 ☐ F-202			
D. Replace Filters: Date: 8-19-10.		☐ Yes	☑ No
11. Leachate Discharge Transfer Pumps P-301			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Red)	☑ Bulb	☐ On	☑ Off
Leachate Discharge Transfer Pumps P-302			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Red)	☑ Bulb	☐ On	☑ Off
12. Carbon Absorption System			
A. Record leachate flow through Carbon Absorber			10 Gallon Count
Date/time: 8-25-10/10.15a **Reading:**			7999372
Date/time: 8-24-10/7.00a **Previous Reading:**			7999372
B. Record DPT-301 reading _____ psi **Quantity:**			0
C. Replace filter F-301 Date: 13-38-09. D. Backwash Date: 8-16-10.			
E. Arrangement: ☐ Series ☐ Parallel F. Leading Absorber: ☐ F-201 ☐ F-202			
G. Pressure Gauge Local Readings: Carbon Absorbers Influent: 0 psi			
F-301 Filter Effluent: _____ psi Carbon Absorbers Effluent: 0 psi			

GWL-1

Date: 8-31-10.
Time: 9.00 a.m.
Inspected By: E.M. Leahy

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: ~~10.06~~ .00 Hz			
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
2. Pump Stations #2			
A. Variable Frequency Drive		☑ On	☐ Off
Frequency: ~~45.72~~ .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 39 inches			

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

GWL-1 Date: 8-31-10 Inspected by: E. McLean

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____	B. Tank Cleaning Date: 8-13-10		
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: 8-13-10	D. Decant Tote Date: 8-13-10		
9. Transfer Pump P-201			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: ~~36~~ 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 11.43 psi			
B. Arrangement: ☐ Series ☑ Parallel	C. Leading Filter: ☐ F-201 ☐ F-202		
D. Replace Filters: Date: 8-31-10		☐ 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: 8-31-10 / 9.45 a.m.	**Reading:**	8012291	
Date/time: 8-30-10 / 7.22 a.m.	**Previous Reading:**	8009301	
B. Record DPT-301 reading 0.35 psi	**Quantity:**		
C. Replace filter F-301 Date: 8-27-10.	D. Backwash Date: 8-27-10.		
E. Arrangement: ☐ Series ☑ Parallel	F. Leading Absorber: ☐ F-201 ☐ F-202		
G. Pressure Gauge Local Readings:	Carbon Absorbers Influent: 6 psi		
F-301 Filter Effluent: _____ psi	Carbon Absorbers Effluent: _____ psi		

New Carbon Absorbers F-201 And F-202 Were Put Into Service On 8-27-10.

GWL-1

Date: 9-3-10.
Time: 8:00am
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: 60.04 .00 Hz			
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
2. Pump Stations #2			
A. Variable Frequency Drive		☑ On	☐ Off
Frequency: 45.11 .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: 9-2-10. Inspected by: E. McLean

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____ B. Tank Cleaning Date: 8-13-10.			
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: 8-13-10. D. Decant Tote Date: 8-13-10.			
9. Transfer Pump P-201			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☐ On	☑ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 0.00 .00 Hz			
Transfer Pump P-202			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 27.82.00 Hz			
10. In-Line Bag Filters			
A. Check and record DPT-201 reading 13.24 psi			
B. Arrangement: ☐ Series ☑ Parallel C. Leading Filter: ☐ F-201 ☐ F-202			
D. Replace Filters: Date: 9-2-10		☐ 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: 9-2-10 / 9:00 a	**Reading:**	8017248	
Date/time: 9-1-10 / 7:35 a	**Previous Reading:**	8014618	
B. Record DPT-301 reading 0.11 psi	**Quantity:**	2630	
C. Replace filter F-301 Date: 8-27-10 D. Backwash Date: 8-27-10			
E. Arrangement: ☐ Series ☐ Parallel F. Leading Absorber: ☐ F-201 ☐ F-202			
G. Pressure Gauge Local Readings: Carbon Absorbers Influent: 7 psi			
F-301 Filter Effluent: _____ psi Carbon Absorbers Effluent: _____ psi			

GWL-1

Date: 9/7/10
Time: 8:00
Inspected By: NS

LECHEATE SYSTEM O&M INSPECTION CHECKLIST
PENNSYLVANIA AVENUE LANDFILL

INSPECTION AND MAINTENANCE TASKS	ACTION		
1. Pump Stations #1			
A. Variable Frequency Drive	☑ On	☐ Off	
Frequency: 0 .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 .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 3/4 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: 9/7/10 Inspected by: NS

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____ B. Tank Cleaning Date: _____			
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 Full			
C. Sludge Transfer Date: _____ D. Decant Tote Date: _____			
9. Transfer Pump P-201			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 28 .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 2.37 psi			
B. Arrangement: ☐ Series ☑ Parallel C. Leading Filter: ☐ F-201 ☐ F-202			
D. Replace Filters: Date: 9/7/10		☑ 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: 9-7-10	**Reading:**	8025378	
Date/time: 9-7-10	**Previous Reading:**	8019480	
B. Record DPT-301 reading 0.80 psi	**Quantity:**		
C. Replace filter F-301 Date: 8-27-10 D. Backwash Date: 8-27-10			
E. Arrangement: ☐ Series ☐ Parallel F. Leading Absorber: ☐ F-201 ☐ F-202			
G. Pressure Gauge Local Readings: Carbon Absorbers Influent: 8 psi			
F-301 Filter Effluent: 0 psi Carbon Absorbers Effluent: 4 psi			

GWL-1

Date: 9/9/10
Time: 8 AM
Inspected By: MOG

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: 7.00 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: 46.00 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 NOT INSPECTED			
Leak detected		☐ Yes	☐ No
E. Air/Vacuum release system function		☐ Normal	☐ Fail
4. Product Storage T-110			**(ONCE WEEKLY)**
A. Record storage tank level — TANK EMPTY			
B. Coordinate tanker schedule for product removal		☐ Yes	☒ No
C. Record total gallons removed _____ gallons		NOT NEEDED	
D. Monitor tanker procedures		☐ Yes	☐ No
5. Acid Feed Pump P-203			
A. Running Light (Amber)		☑ On	☐ Off
B. Stroke Setting 15 %			
C. Acid Storage Tank Level 31 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: 9/9/10 Inspected by: MDG

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: 9/9/10	B. Tank Cleaning Date:		
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: 8/13/10	D. Decant Tote Date: 8/13/10		
9. Transfer Pump P-201			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 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 9.25 psi			
B. Arrangement: ☐ Series ☑ Parallel	C. Leading Filter: ☐ F-201 ☐ F-202		
D. Replace Filters: Date: 9/7/10		☐ 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: 9/9/10 / 7:46	**Reading:**	8029673	
Date/time: 9/8/10 / 7:46	**Previous Reading:**	8025962	
B. Record DPT-301 reading 1.0 psi	**Quantity:**	3711	
C. Replace filter F-301 Date: 8/27/10	D. Backwash Date: 8/27/10		
E. Arrangement: ☐ Series ☑ Parallel	F. Leading Absorber: ☐ F-201 ☐ F-202		
G. Pressure Gauge Local Readings:	Carbon Absorbers Influent: 50 psi		
F-301 Filter Effluent: 1.0 psi	Carbon Absorbers Effluent: 1.5 psi		

GWL-1

Date: 9-14-10.
Time: 8:35a.
Inspected By: E. McLean.

LECHEATE SYSTEM O&M INSPECTION CHECKLIST
PENNSYLVANIA AVENUE LANDFILL

INSPECTION AND MAINTENANCE TASKS	ACTION		
1. Pump Stations #1			
A. Variable Frequency Drive	☑ On	☐ Off	
Frequency: 60.00 Hz			
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
2. Pump Stations #2			
A. Variable Frequency Drive		☑ On	☐ Off
Frequency: 45.43.00 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 9 %			
C. Acid Storage Tank Level 38.35 inches			

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

GWL-1 Date: 9-14-10. Inspected by: E. McLEAN.

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____	B. Tank Cleaning Date: 8-13-10		
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 11"			
C. Sludge Transfer Date: 8-13-10	D. Decant Tote Date: 9-13-10.		
9. Transfer Pump P-201			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☐ On	☑ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 0.00 .00 Hz			
Transfer Pump P-202			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: ~~24.64~~00 Hz			
10. In-Line Bag Filters			
A. Check and record DPT-201 reading 3.56 psi			
B. Arrangement: ☐ Series ☑ Parallel	C. Leading Filter: ☐ F-201 ☐ F-202		
D. Replace Filters: Date: 9-13-10		☐ 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: 9-14-10 / 8:59 a	**Reading:**	8041669	
Date/time: 9-13-10 / 7:09 a	**Previous Reading:**	8038837	
B. Record DPT-301 reading 0.33 psi	**Quantity:**	3832	
C. Replace filter F-301 Date: 8-27-10.	D. Backwash Date: 9-13-10.		
E. Arrangement: ☐ Series ☑ Parallel	F. Leading Absorber: ☐ F-201 ☐ F-202		
G. Pressure Gauge Local Readings:	Carbon Absorbers Influent: 5.5 psi		
F-301 Filter Effluent: _____ psi	Carbon Absorbers Effluent: 4 psi		

GWL-1

Date: 9-16-10.
Time: 8.00 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: 60.04.00 Hz			
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
2. Pump Stations #2			
A. Variable Frequency Drive		☑ On	☐ Off
Frequency: 45.58.00 Hz			
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
3. Pumping Stations #1 and #2 Manholes		**(ONCE WEEKLY)**	
A. Pump Station No.1 leak detection riser observation:			
Leak detected		☐ Yes	☑ No
B. Pump Station No. 2 leak detection riser observation:			
Leak detected		☐ Yes	☑ No
C. Leak Detection /Drain Manhole at Sta. B14+97.32 riser observation:			
Leak detected		☐ Yes	☑ No
D. Inspect Leachate Air/Vacuum release manhole			
Leak detected		☐ Yes	☑ No
E. Air/Vacuum release system function		☑ Normal	☐ Fail
4. Product Storage T-110		**(ONCE WEEKLY)**	
A. Record storage tank level _____			
B. Coordinate tanker schedule for product removal		☐ Yes	☐ No
C. Record total gallons removed _____ gallons			
D. Monitor tanker procedures		☐ Yes	☐ No
5. Acid Feed Pump P-203			
A. Running Light (Amber)		☑ On	☐ Off
B. Stroke Setting 37 %			
C. Acid Storage Tank Level 43 inches			

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

GWL-1 Date: 9-16-10. Inspected by: B McLEAN

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____	B. Tank Cleaning Date: 9-15-10		
7. OWS Product Pump P-204			
A. Running Light (Red)	☑ Bulb	☐ On	☑ Off
8. Sludge Pump P-205			
A. Running Light (Red)	☑ Bulb	☐ On	☑ Off
B. Sludge Storage Tote Level 31"			
C. Sludge Transfer Date: 9-15-10	D. Decant Tote Date: 9-13-10.		
9. Transfer Pump P-201			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 25.5300 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 7.87 psi			
B. Arrangement: ☐ Series ☑ Parallel	C. Leading Filter: ☐ F-201 ☐ F-202		
D. Replace Filters: Date: 9-15-10		☐ 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: 9-16-10 / 8.52a	**Reading:**	8046285	
Date/time: 9-15-10 / 7.06a	**Previous Reading:**	8043868	
B. Record DPT-301 reading 0.29 psi	**Quantity:**	2417	
C. Replace filter F-301 Date: 8-27-10.	D. Backwash Date: 9-13-10		
E. Arrangement: ☐ Series ☑ Parallel	F. Leading Absorber: ☐ F-201 ☐ F-202		
G. Pressure Gauge Local Readings:	Carbon Absorbers Influent: 7 psi		
F-301 Filter Effluent: _____ psi	Carbon Absorbers Effluent: 4 psi		

GWL-1

Date: 9-21-10
Time: 8:30
Inspected By: E. McLEAN

LECHEATE SYSTEM O&M INSPECTION CHECKLIST
PENNSYLVANIA AVENUE LANDFILL

INSPECTION AND MAINTENANCE TASKS		ACTION	
1. Pump Stations #1			
A. Variable Frequency Drive	☑ On	☐ Off	
Frequency: 0.06.00 Hz			
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
2. Pump Stations #2			
A. Variable Frequency Drive		☑ On	☐ Off
Frequency: 45.14.00 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 37 %			
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: 9-21-10. Inspected by: E. McLean.

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____ B. Tank Cleaning Date: 9-15-10.			
7. OWS Product Pump P-204			
A. Running Light (Red)	☑ Bulb	☐ On	☑ Off
8. Sludge Pump P-205			
A. Running Light (Red)	☑ Bulb	☐ On	☑ Off
B. Sludge Storage Tote Level 30"			
C. Sludge Transfer Date: 9-15-10 D. Decant Tote Date: 9-13-10			
9. Transfer Pump P-201			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 59.22.00 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 10.97 psi			
B. Arrangement: ☐ Series ☑ Parallel C. Leading Filter: ☐ F-201 ☐ F-202			
D. Replace Filters: Date: 9-21-10.		☐ Yes	☑ No
11. Leachate Discharge Transfer Pumps P-301			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Red)	☑ Bulb	☐ On	☑ Off
Leachate Discharge Transfer Pumps P-302			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Red)	☑ Bulb	☐ On	☑ Off
12. Carbon Absorption System			
A. Record leachate flow through Carbon Absorber		10 Gallon Count	
Date/time: 9-21-10 / 9.04 a.m.	**Reading:**	8057466	
Date/time: 9-20-10 / 7.16 a.m.	**Previous Reading:**	8055089	
B. Record DPT-301 reading 0.13 psi	**Quantity:**	2377	
C. Replace filter F-301 Date: 8-27-10. D. Backwash Date: 9-13-10.			
E. Arrangement: ☐ Series ☑ Parallel F. Leading Absorber: ☐ F-201 ☐ F-202			
G. Pressure Gauge Local Readings: Carbon Absorbers Influent: 8 psi			
F-301 Filter Effluent: _____ psi Carbon Absorbers Effluent: 4 psi			

GWL-1

Date: 9-23-10.
Time: 8:00 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: 60.00 Hz			
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
2. Pump Stations #2			
A. Variable Frequency Drive		☑ On	☐ Off
Frequency: 60.00 Hz			
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
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 39 %			
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: 9-23-10. Inspected by: E. McLEAN,

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____ B. Tank Cleaning Date: 9-15-10.			
7. OWS Product Pump P-204			
A. Running Light (Red)	☑ Bulb	☐ On	☑ Off
8. Sludge Pump P-205			
A. Running Light (Red)	☑ Bulb	☐ On	☑ Off
B. Sludge Storage Tote Level 30"			
C. Sludge Transfer Date: 9-15-10. D. Decant Tote Date: 9-13-10			
9. Transfer Pump P-201			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☐ On	☑ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 0.00 .00 Hz			
Transfer Pump P-202			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 38.18 .00 Hz			
10. In-Line Bag Filters			
A. Check and record DPT-201 reading 8.48 psi			
B. Arrangement: ☐ Series ☑ Parallel C. Leading Filter: ☐ F-201 ☐ F-202			
D. Replace Filters: Date: 9-23-10.		☐ 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: 9-23-10 / 8:30 am	**Reading:**	8061339	
Date/time: 9-22-10 / 7:31 am	**Previous Reading:**	8058432	
B. Record DPT-301 reading 0.16 psi	**Quantity:**	2897	
C. Replace filter F-301 Date: 8-27-10 D. Backwash Date: 9-13-10			
E. Arrangement: ☐ Series ☑ Parallel F. Leading Absorber: ☐ F-201 ☐ F-202			
G. Pressure Gauge Local Readings:	Carbon Absorbers Influent: 9 psi		
F-301 Filter Effluent: _____ psi	Carbon Absorbers Effluent: 4 psi		

GWL-1

Date: 9-28-10.
Time: 10:15
Inspected By: E McLEAN.

LECHEATE SYSTEM O&M INSPECTION CHECKLIST
PENNSYLVANIA AVENUE LANDFILL

INSPECTION AND MAINTENANCE TASKS	ACTION		
1. Pump Stations #1			
A. Variable Frequency Drive	☑ On	☐ Off	
Frequency: 0.06.00 Hz			
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
2. Pump Stations #2			
A. Variable Frequency Drive		☑ On	☐ Off
Frequency: 45.55.00 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 37 %			
C. Acid Storage Tank Level 39 inches			

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

GWL-1 Date: 9-28-10 Inspected by: E. McLean

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____	B. Tank Cleaning Date: 9-15-10		
7. OWS Product Pump P-204			
A. Running Light (Red)	☑ Bulb	☐ On	☑ Off
8. Sludge Pump P-205			
A. Running Light (Red)	☑ Bulb	☐ On	☑ Off
B. Sludge Storage Tote Level 30"			
C. Sludge Transfer Date: 9-15-10.	D. Decant Tote Date: 9-13-10.		
9. Transfer Pump P-201			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☐ On	☑ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 0.00 .00 Hz			
Transfer Pump P-202			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: ~~24.94~~.00 Hz			
10. In-Line Bag Filters			
A. Check and record DPT-201 reading 0.72 psi			
B. Arrangement: ☐ Series ☑ Parallel	C. Leading Filter: ☐ F-201 ☐ F-202		
D. Replace Filters: Date: 9-28-10		☑ 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: 9-28-10 / 10:43a	**Reading:**	8072085	
Date/time: 9-27-10 / 7:00a	**Previous Reading:**	8069019	
B. Record DPT-301 reading 0.56 psi	**Quantity:**	3066	
C. Replace filter F-301 Date: 9-28-10	D. Backwash Date: 9-24-10.		
E. Arrangement: ☐ Series ☑ Parallel	F. Leading Absorber: ☐ F-201 ☐ F-202		
G. Pressure Gauge Local Readings:	Carbon Absorbers Influent: 7 psi		
F-301 Filter Effluent: _____ psi	Carbon Absorbers Effluent: 3 psi		

GWL-1

Date: 9-30-10.
Time: 9:30a.m.
Inspected By: E. McLEAN.

LECHEATE SYSTEM O&M INSPECTION CHECKLIST
PENNSYLVANIA AVENUE LANDFILL

INSPECTION AND MAINTENANCE TASKS	ACTION		
1. Pump Stations #1			
A. Variable Frequency Drive	☑ On	☐ Off	
Frequency: 0.06 .00 Hz			
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
2. Pump Stations #2			
A. Variable Frequency Drive		☑ On	☐ Off
Frequency: 48.5500 Hz			
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-pass
E. Selector Switch Position	☑ Auto	☐ Manual	
3. Pumping Stations #1 and #2 Manholes		**(ONCE WEEKLY)**	
A. Pump Station No.1 leak detection riser observation:			
Leak detected		☐ Yes	☑ No
B. Pump Station No. 2 leak detection riser observation:			
Leak detected		☐ Yes	☑ No
C. Leak Detection /Drain Manhole at Sta. B14+97.32 riser observation:			
Leak detected		☐ Yes	☑ No
D. Inspect Leachate Air/Vacuum release manhole			
Leak detected		☐ Yes	☑ No
E. Air/Vacuum release system function		☑ Normal	☐ Fail
4. Product Storage T-110		**(ONCE WEEKLY)**	
A. Record storage tank level _____			
B. Coordinate tanker schedule for product removal		☐ Yes	☐ No
C. Record total gallons removed _____ gallons			
D. Monitor tanker procedures		☐ Yes	☐ No
5. Acid Feed Pump P-203			
A. Running Light (Amber)		☑ On	☐ Off
B. Stroke Setting 37 %			
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: 9-30-10 Inspected by: E. McLean

INSPECTION AND MAINTENANCE TASKS	ACTION		
6. Oil Water Separator Tank			
A. Skimming Date: _____ B. Tank Cleaning Date: 9-15-10			
7. OWS Product Pump P-204			
A. Running Light (Red)	☑ Bulb	☐ On	☑ Off
8. Sludge Pump P-205			
A. Running Light (Red)	☑ Bulb	☐ On	☑ Off
B. Sludge Storage Tote Level 30"			
C. Sludge Transfer Date: 9-15-10 D. Decant Tote Date: 9-13-10			
9. Transfer Pump P-201			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☑ On	☐ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 35.36.00 Hz			
Transfer Pump P-202			
A. Circuit Breaker Switch		☑ On	☐ Off
B. Running Light (Green)	☑ Bulb	☐ On	☑ Off
C. By-Pass Light (White)	☑ Bulb	☐ On	☑ Off
D. Selector Switch Position	☑ Drive	☐ Off	☐ By-Pass
E. Selector Switch Position	☑ Auto	☐ Manual	
F. VFD Frequency: 0.00 .00 Hz			
10. In-Line Bag Filters			
A. Check and record DPT-201 reading 0.93 psi			
B. Arrangement: ☐ Series ☑ Parallel C. Leading Filter: ☐ F-201 ☐ F-202			
D. Replace Filters: Date: 9-30-10		☑ 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: 9-30-10 / 10.00 a.m.	**Reading:**	8077074	
Date/time: 9-29-10 / 7.07 a.m.	**Previous Reading:**	8074316	
B. Record DPT-301 reading 1.55 psi	**Quantity:**	2758	
C. Replace filter F-301 Date: 9-28-10 D. Backwash Date: 9-24-10			
E. Arrangement: ☐ Series ☑ Parallel F. Leading Absorber: ☐ F-201 ☐ F-202			
G. Pressure Gauge Local Readings: Carbon Absorbers Influent: 9 psi			
F-301 Filter Effluent: _____ psi Carbon Absorbers Effluent: 3 psi			

Groundwater Leachate Pretreatment

GWL-2 Monthly Inspections

(July, August and September, 2010)

GWL-2

Date: 7/23/10
Time: am
Inspected By: Ray Kenney

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: 7/23/10 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: 7/23/10 Inspected by: Ray 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

Form DP-1

DESCRIPTION OF DEFICIENCIES AND PROBLEMS

LEACHATE PRETREATMENT SYSTEM

FRESH CREEK BASIN REMEDIATION

PENNSYLVANIA AVENUE LANDFILL

Date	Location	Description	Corrective Action Taken
7/23/10	T301 Discharge Tank	Sensor not working	w/o 111

Date: 7/23/10 **Inspected by:** Ray Kenna

Signature Ray K

GWL-2

Date: 8-30-2010.
Time: 9:30a
Inspected By: E. McLEAN.

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

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

* VERY LITTLE CONDENSATE IN TANK.

PENNSYLVANIA AVENUE LANDFILL

GWL-2 Monthly O&M Inspection

Date: 8-30-10. **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: 8-30-10 **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
8-30-10	~~Carbon Absorption System~~	Level Transmitter LT-301	Awaiting Part To Be
	Discharge Suction Tank		Ordered.

Date: 8-30-10. **Inspected by:** E. McLean

Signature E. McLean

GWL-2

Date: 4-29-10.
Time: 2.30 p.
Inspected By: E. McLeod.

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

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

PENNSYLVANIA AVENUE LANDFILL

GWL-2 Monthly O&M Inspection

Date: 9-29-10. 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: 9-29-10 **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
9-24-10.	~~Carbon Adsorption System~~ DISCHARGE SUCTION TANK	LEVEL TRANSMITTER LT-301	ADDITIONAL PART TO BE ORDERED.

Date: 9-24-10.

Inspected by: E. McLEAN.

Signature

Groundwater Leachate Pretreatment

GWL-3 Quarterly Inspection

GWL-3
Quarterly

Date: 9-17-10.
Time: 2 pm
Inspected By: E. McLean.

LECHEATE SYSTEM O&M INSPECTION CHECKLIST
PENNSYLVANIA AVENUE LANDFILL

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

Form DP-1

DESCRIPTION OF DEFICIENCIES AND PROBLEMS

LEACHATE PRETREATMENT SYSTEM

FRESH CREEK BASIN REMEDIATION

PENNSYLVANIA AVENUE LANDFILL

Date	Location	Description	Corrective Action Taken
9-17-10.	Discharge Suction Tank	Level Control - Malfunction.	To Be Scheduled for Fall.

Date: 9-17-10.

Inspected by: E. McLean.

Signature

Groundwater Leachate Pretreatment

GWL-5 Annual Inspection

Form GWL-5

Date: 7/23/10

Time: am

Inspected By: Ray Kenney

ANNUALLY AND EVERY 3 YEARS O&M INSPECTION CHECKLIST
LECHEATE PRETREATMENT & MANAGEMENT SYSTEM
PENNSYLVANIA AVENUE LANDFILL

INSPECTION AND MAINTENANCE TASKS	ACTION	
1. Pump Stations #1 and # 2		
Annually		
A. Inspect Pump for Corrective Maintenance		
Pump Station #1	☑ Normal	☐ Abnormal
Pump Station #2	☑ Normal	☐ Abnormal
Every 3 Years		
A. Inspect Pump for Corrective Maintenance		
Pump Station #1	☐ Scheduled	☐ Completed
Pump Station #2	☐ Scheduled	☐ Completed
2. Pretreatment Building Sump Pump P-105		
Annually		
A. Check Sump Pump for Maintenance and Corrosion	☑ Normal	☐ Abnormal
Every 3 Years		
A. Remove Sump Pump and Schedule Overhaul	☐ Completed	☐ Incomplete
3. Product Storage Tank T-110		
Annually		
A. Drain and Flush Tank	☐ Yes	☑ No
4. Discharge Suction Tank T-301		
Annually		
A. Drain and Flush Tank	☑ Yes	☐ No

Appendix B – M-1 Self Monitoring Report and Analyses

Industrial Wastewater Discharge Permit No. 07-P3145-2

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

October 25, 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 July through September, 2010 (Third Quarter) Self Monitoring Report for the NYCDEP Pennsylvania Avenue Landfill Leachate Treatment Plant. The report consists of the quarterly self monitoring report form, the July, August and September, 2010 monthly flow reports, the summary of the analytical data, and July, August and September, 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 September 8, 2010.

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

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

Sincerely,

Mildred Olson Gonos
Project Manager

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

INDUSTRIAL USER SELF MONITORING REPORT

1	♦ Establishment Information ♦					
A	Name:	**New York City Department of Environmental Protection, Fresh Creek Basin Remediation, Pennsylvania Avenue Landfill**				
B	Address:	**1750 Pennsylvania Avenue, Brooklyn, New York 11239**				
C	Industrial Category:	**Miscellaneous Landfill**				
D	Contact Official:	**Rupak Raha**				
F	Reporting Period			G	Date Sampled	
	Start	End			Start	End
	1-Jul-10	**30-Sep-10**			**19-Jul-10**	**9-Sep-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	**22,656**	**37,110**
B	Regulated Flow, gal/day	**22,656**	**37,110**
C	Method of Flow Measurement	**Flow Meter / Electronic PCS**	

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

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

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

6	♦ Ph Monitoring ♦								
(Four Samples Per Day - One Hour Apart - Once a Month)									
Date:	**19-Jul-10**			**30 &31-Aug-10**			**9-Sep-10**		
	Time	pH In-situ	pH Lab	Time	pH In-situ	pH Lab	Time	pH In-situ	pH Lab
	9:15	**6.43**	**6.5**	**8/30 @ 14:35**	**6.66**	**7.4**	**9:45**	**6.49**	**6.5**
	11:00	**6.41**	**6.5**	**8/31 @ 7:10**	**6.33**	**6.5**	**11:00**	**6.34**	**6.4**
	13:00	**6.43**	**6.5**	**8/31 @ 8:45**	**6.28**	**6.4**	**12:45**	**6.26**	**6.3**
	14:30	**6.43**	**6.5**	**8/31 @ 10:30**	**6.32**	**6.5**	**15:10**	**6.30**	**6.1**

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 Olson Gonos

Name (Print) — Signature

Project Manager — 10/25/2010 — (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 Olson Gonos	
Name (Print)		Signature
Project Manager	10/25/2010	(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 Olson Gonos	
Name (Print)		Signature
Project Manager	10/25/2010	(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	10/25/2010	(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**

Groundwater Leachate Pretreatment

Flow Reports

(July, August and September, 2010)

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

MONTH:	JULY 2010				
	Time of Reading	10 Gallon Counter Readings	Flow (gallons)		Hrs. i/s
1	7:15	7,902,838	**23,840**		24
2	7:10	7,905,222	**22,069**	(1)(2)	22.3
3			**23,751**	(1)	24
4	9:00	7,909,804	**2,662**	(1)(3)	2
5	Holiday		**0**	(1)(3)	0
6			**22,628**	(3)	17
7	7:07	7,912,333	**27,560**		24
8	7:12	7,915,089	**25,010**		24
9	7:51	7,917,590	**23,315**	(1)	24
10			**16,515**	(1)(4)	17
11			**0**	(1)(4)	0
12	6:45	7,921,573	**26,840**	(4)	21
13	7:15	7,924,257	**28,340**		24
14	7:09	7,927,091	**24,930**		24
15	7:15	7,929,584	**23,350**		24
16	7:15	7,931,919	**23,119**	(1)(2)	22
17			**25,221**	(1)	24
18			**25,221**	(1)	24
19	7:05	7,939,275	**23,370**	(5)	23.8
20	7:00	7,941,612	**20,930**		24
21	7:00	7,943,705	**23,330**	(5)	23
22	7:05	7,946,038	**22,640**		24
23	7:02	7,948,302	**20,829**	(1)	22.5
24			**12,961**	(1)(6)	14
25			**0**	(1)(6)	0
26	7:00	7,951,681	**26,810**	(7)	20
27	7:26	7,954,362	**27,450**		24
28	7:06	7,957,107	**24,150**		24
29	7:17	7,959,522	**23,940**		22.2
30	7:07	7,961,916	**19,600**	(1)	24
31			**19,600**	(1)	24
2-Aug	7:00	7,967,796			

No. of Days in Operation
28

Total Flow (gallons)
629,980

Average Daily Flow (gallons)
22,499

Maximum Daily Flow (gallons)
28,340

Minimum Daily Flow (gallons)
0

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

(2) Plant out of service to backwash the carbon absorber

(3) Plant removed from service on 7/4/10 to drain carbon in preparation for change-out. The carbon change out operation was performed on 7/6/10. The carbon was oaked and backwashed and the plant was placed back in service at 2 PM on the 6th.

(4) Plant went out of service at around midnight on the 10th, apparently due to high differential pressure. Backwashed the carbon absorber, replaced the transfer filters and the twin filters (25 mc), and returned the plant to service at 9:50 AM

(5) Plant out of service due to high pressure during transfer filter replacement.

(6) Plant out of service on the evening of the 24th and the autodialer did not call out.

(7) Plant out of service for thorough cleaning and maintenance of the oil water separator and coalescers.

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

MONTH:	AUGUST 2010				
	Time of Reading	10 Gallon Counter Readings	Flow (gallons)		
30-Jul	7:07	7,961,916			
1			19,600	(1) (4)	12
2	7:00	7,967,796	27,530	(5)	21.5
3	6:55	7,970,549	23,110		24
4	7:06	7,972,860	22,680	(5)	23.7
5	7:10	7,975,128	22,550	(5)	22.6
6	7:14	7,977,383	18,188		24
7			18,188		24
8			12,883		17
9	7:00	7,982,309	27,290	(5)	22
10	7:09	7,985,038	24,280		24
11	7:08	7,987,466	23,540		24
12	7:12	7,989,820	24,460	(5)	22.3
13	7:14	7,992,266	21,617	(5)	21.5
14			19,103		19
15			0		0
16	7:00	7,996,338	27,280		22
17	7:01	7,999,066	1,900	(3)	2
18		7,999,256	0	(3)	0
19	7:00	7,999,256	0	(3)	0
20	7:00	7,999,256	160	(3) (2)	0
21			0	(3)	0
22			0	(3)	0
23	7:00	7,999,272	0	(3)	0
24	7:00	7,999,272	0	(3)	0
25	7:00	7,999,272	0	(3)	0
26	7:00	7,999,272	300	(3) (2)	0
27	7:00	7,999,302	29,409		20
28			35,291		24
29			35,291		24
30	7:22	8,009,301	27,050	(5)	23.8
31	7:05	8,012,006	26,120		24
1-Sep	7:25	8,014,618			

No. of Days in Operation
21

Total Flow (gallons)
487,820

Average Daily Flow (gallons)
23,230

Maximum Daily Flow (gallons)
35,291

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

(2) Not leachate

(3) System out of service for carbon absorber replacement.

(4) System out of service due to high differential pressure at the transfer filters

(5) Plant off line for required maintenance, filter replacement, oil water separator cleaning and desludging, and carbon absorber backwashing.

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

MONTH: September 2010

	Time of Reading	10 Gallon Counter Readings	Flow (gallons)		Hrs. i/s
1	7:25 AM	8,014,618	**24,220**		24
2	6:57 AM	8,017,040	**24,490**		24
3	7:19 AM	8,019,489	**24,796**	(1)	24
4			**24,796**	(1)	24
5			**9,298**	(1)	9.0
6	HOLIDAY		**0**	(1)	0
7	4:45 PM	8,025,378	**5,840**	(2)	23
8	7:46 AM	8,025,962	**37,110**		24
9	7:46 AM	8,029,673	**30,570**		24
10	9:00 AM	8,032,730	**11,488**	(1) (3)	9.5
11			**20,558**	(1) (3)	17.0
12			**29,023**	(1)	24
13	7:09 AM	8,038,837	**26,330**	(4)	22.5
14	7:00 AM	8,041,470	**23,980**		24
15	7:06 AM	8,043,868	**22,430**	(5)	20.0
16	7:04 AM	8,046,111	**23,030**		24
17	7:14 AM	8,048,414	**22,250**	(1)	24
18			**22,250**	(1)	24
19			**22,250**	(1)	24
20	7:16 AM	8,055,089	**22,820**	(6)	23.9
21	8:03 AM	8,057,371	**10,610**	(8)	13
22	7:21 AM	8,058,432	**27,660**	(8)	23
23	7:03 AM	8,061,198	**22,240**	(7)	23.3
24	7:18 AM	8,063,422	**21,379**	(1) (4)	22.3
25			**23,061**	(1)	24
26			**11,530**	(1)	12.0
27	7:00 AM	8,069,019	**25,940**	(8)	23.0
28	7:16 AM	8,071,613	**27,030**		24
29	7:07 AM	8,074,316	**24,650**		24
30	7:21 AM	8,076,781	**27,760**		24
1-Oct	7:34 AM	8,079,557			

No. of Days in Operation
29

Total Flow (gallons)
649,390

Average Daily Flow (gallons)
22,393

Maximum Daily Flow (gallons)
37,110

(1) Estimated flow for weekends and holidays (readings not taken).
(2) On the 5th at 4 PM, the system shut down due to transfer filter high differential pressure. It was reset at 8 AM on the 7th; however, the flow was low until the inspection at 16:45, when the OWS influent filter was replaced.
(3) System tripped out due to high differential pressure at the transfer filters. Field Tech on site on the 11th, replaced transfer filters and placed system back in service by 2 PM.
(4) Pumping to the pretreatment plant was suspended to backwash the carbon absorber.
(5) Flow paused for oil-water separator and coalescer desludging and maintenance.
(6) Plant tripped on high differential pressure during transfer filter replacement.
(7) Shutdown directed by 26th Ward WWTP during flow investigation; leachate was ruled out.
(8) System tripped out due to high differential pressure at the transfer filters.

Groundwater Leachate Pretreatment
Laboratory Analysis Summary

July-September 2010 - Penn Av Landfill GWL - M1 - Lab Summary

		Permit			07/19/10		8/30&31/10		09/09/10		*09/08/10*	
Analyte	**Unit**	**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	<	*0.025*
Chromium as Cr	mg/L					0.007		0.014	<	0.005	<	*0.025*
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		*0.47*
Lead as Pb	mg/L	2.0			<	0.005	<	0.005	<	0.005	<	*0.025*
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	<	*0.025*
Nickel as Ni	mg/L	3.0			<	0.01		0.05	<	0.01		*0.14*
Silver as Ag	mg/L				<	0.005	<	0.005	<	0.005	<	*0.025*
Zinc as Zn	mg/L	5.0				0.02		0.17		0.05		*0.19*
Carbonaceous BOD5	mg/L					120		81		180	<	*15*
Chloride as Cl	mg/L					4900		6100		7900		*4700*
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		1.7
Nitrogen, total as N	mg/L					37		48		60		57
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				21		5		31		*5*
Tot Suspended Solids (grab 2)	mg/L	↓				11		7		32		*6*
Tot Suspended Solids (grab 3)	mg/L	↓				12		7		31		*8*
Tot Suspended Solids (grab 4)	mg/L	↓				14		7		14		*7*
Tot. Kjeldahl N.	mg/L					37		48		60		55
pH												
Grab 1 (Field/Lab)	SU					6.43 / 6.5		6.66 / 7.4		6.49 / 6.5		*6.99 / 6.9*
Grab 2 (Field/Lab)	SU	5.0 - 11.0				6.41 / 6.5		6.33 / 6.5		6.34 / 6.4		*7.01 / 7*
Grab 3 (Field/Lab)	SU	Standard Units				6.43 / 6.5		6.28 / 6.4		6.26 / 6.3		*6.94 / 7.1*
Grab 4 (Field/Lab)	SU					6.43 / 6.5		6.32 / 6.5		6.30 / 6.1		*6.97 / 7.1*
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		*1*
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	<	5	<	5	<	*1*
Carbon Tetrachloride	ug/L				<	5	<	5	<	5	<	*1*

July-September 2010 - Penn Av Landfill GWL - M1 - Lab Summary

		Permit			07/19/10		8/30&31/10		09/09/10		*09/08/10*	
Analyte	**Unit**	**Max. Conc.**	**Daily Limit**	**Monthly Limit**		**Results**		**Results**		**Results**		***IPP Plant INFLUENT***
Chlorobenzene	ug/L				<	5	<	5	<	5		*18*
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	<	*1*
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					5		1.6		5.6	<	*6.5* (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*

July-September 2010 - Penn Av Landfill GWL - M1 - Lab Summary

		Permit			07/19/10		8/30&31/10		09/09/10		*09/08/10*	
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**						
					Jul-10	**Aug-10**	**Sep-10**
		Average Flow (GPD)			**22,499**	**23,230**	**22,393**
		Maximum Flow (GPD)			**28,340**	**35,291**	**37,110**

Leachate Treatment Building Methane (% by Volume)					**Third Quarter 2010**	
	19-Jul	31-Aug	8-Sep	9-Sep	**Average Flow (GPD)**	**22,656**
Inside Building	0.0	0.0	0.0	0.0	**Maximum Flow (GPD)**	**37,110**
On top of the Oil Water Separator	0.0	0.0	0.1	0.1	**Average GPM:**	**17.6**

Groundwater Leachate Pretreatment

M1 Effluent Analysis Laboratory Reports and Chain of Custody Records

(July, August and September, 2010)

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

LAB NO.103235.01 07/28/10

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

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:07/20/10 RECEIVED:07/20/10
TIME COL'D:*
MATRIX:Water SAMPLE: M1-24 Hour Composite

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/L	< 1		072310	1	EPA625
1,3 Dichlorobenzene(sv)	ug/L	< 1		072310	1	EPA625
1,4 Dichlorobenzene(sv)	ug/L	< 1		072310	1	EPA625
Carbazole	ug/L	< 1		072310	1	EPA625
1,2 Dichlorobenzene(sv)	ug/L	< 1		072310	1	EPA625
Bis(2-chloroisopropyl)ether	ug/L	< 1		072310	1	EPA625
N-Nitrosodi-n-propylamine	ug/L	< 1		072310	1	EPA625
Hexachloroethane	ug/L	< 1		072310	1	EPA625
Nitrobenzene	ug/L	< 1		072310	1	EPA625
Isophorone	ug/L	< 1		072310	1	EPA625
Bis(2-chloroethoxy)methane	ug/L	< 1		072310	1	EPA625
124-Trichlorobenzene (sv)	ug/L	< 1		072310	1	EPA625
Naphthalene(sv)	ug/L	< 1		072310	1	EPA625
4-Chloroaniline	ug/L	< 1		072310	1	EPA625
Hexachlorobutadiene	ug/L	< 1		072310	1	EPA625
2-Methylnaphthalene	ug/L	< 1		072310	1	EPA625
Hexachlorocyclopentadiene	ug/L	< 10		072310	10	EPA625
2-Chloronaphthalene	ug/L	< 1		072310	1	EPA625
2-Nitroaniline	ug/L	< 1		072310	1	EPA625
Dimethyl Phthalate	ug/L	< 1		072310	1	EPA625
Acenaphthylene	ug/L	< 1		072310	1	EPA625
2,6-Dinitrotoluene	ug/L	< 1		072310	1	EPA625
3-Nitroaniline	ug/L	< 1		072310	1	EPA625
Acenaphthene	ug/L	< 1		072310	1	EPA625
Dibenzofuran	ug/L	< 1		072310	1	EPA625

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 7/19/10 @ 09:00 and 7/20/10 @ 08:00.

DIRECTOR

rn = 18548 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.103235.01 07/28/10

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

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:07/20/10 RECEIVED:07/20/10
TIME COL'D:*
MATRIX:Water SAMPLE: M1-24 Hour Composite

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/L	< 1		072310	1	EPA625
Diethyl Phthalate	ug/L	< 1		072310	1	EPA625
4-Chlorophenyl phenyl ether	ug/L	< 1		072310	1	EPA625
Fluorene	ug/L	< 1		072310	1	EPA625
4-Nitroaniline	ug/L	< 1		072310	1	EPA625
N-Nitrosodiphenylamine	ug/L	< 1		072310	1	EPA625
4-Bromophenyl phenyl ether	ug/L	< 1		072310	1	EPA625
Hexachlorobenzene	ug/L	< 1		072310	1	EPA625
Phenanthrene	ug/L	< 1		072310	1	EPA625
Anthracene	ug/L	< 1		072310	1	EPA625
Di-n-Butyl Phthalate	ug/L	< 1		072310	1	EPA625
Fluoranthene	ug/L	< 1		072310	1	EPA625
Pyrene	ug/L	< 1		072310	1	EPA625
BenzylButylPhthalate	ug/L	< 1		072310	1	EPA625
3,3'-Dichlorobenzidine	ug/L	< 10		072310	10	EPA625
Benzo(a)anthracene	ug/L	< 1		072310	1	EPA625

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 7/19/10 @ 09:00 and 7/20/10 @ 08:00.

DIRECTOR

rn = 18549 NYSDOH ID # 10320

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

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

LAB NO.103235.01 07/28/10

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

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:07/20/10 RECEIVED:07/20/10
TIME COL'D:*
MATRIX:Water SAMPLE: M1-24 Hour Composite

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/L	< 1		072310	1	EPA625
Bis(2-ethylhexyl)phthalate	ug/L	5.0	1	072310	1	EPA625
Di-n-octyl Phthalate	ug/L	< 1		072310	1	EPA625
Benzo(b)fluoranthene	ug/L	< 1		072310	1	EPA625
Benzo(k)fluoranthene	ug/L	< 1		072310	1	EPA625
Benzo(a)pyrene	ug/L	< 1		072310	1	EPA625
Indeno(1,2,3-cd)pyrene	ug/L	< 1		072310	1	EPA625
Dibenzo(a,h)anthracene	ug/L	< 1		072310	1	EPA625
Benzo(ghi)perylene	ug/L	< 1		072310	1	EPA625

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 7/19/10 @ 09:00 and 7/20/10 @ 08:00.
1-Detected 1.78 ug/L in method blank.

DIRECTOR

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

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LAB NO.103235.01 07/28/10

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

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:07/20/10 RECEIVED:07/20/10
TIME COL'D:*
MATRIX:Water SAMPLE: M1-24 Hour Composite

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/L	< 1		072310	1	EPA625
2-Chlorophenol	ug/L	< 1		072310	1	EPA625
2-Methylphenol (o-cresol)	ug/L	< 1		072310	1	EPA625
4-Methylphenol (p-cresol)	ug/L	< 1		072310	1	EPA625
2-Nitrophenol	ug/L	< 1		072310	1	EPA625
2,4-Dimethylphenol	ug/L	< 1		072310	1	EPA625
2,4-Dichlorophenol	ug/L	< 1		072310	1	EPA625
4-Chloro-3-methylphenol	ug/L	< 1		072310	1	EPA625
2,4,6-Trichlorophenol	ug/L	< 1		072310	1	EPA625
2,4,5-Trichlorophenol	ug/L	< 1		072310	1	EPA625
2,4-Dinitrophenol	ug/L	< 10		072310	10	EPA625
4-Nitrophenol	ug/L	< 10		072310	10	EPA625
2-Methyl-4,6-dinitrophenol	ug/L	< 10		072310	10	EPA625
Pentachlorophenol (ms)	ug/L	< 10		072310	10	EPA625

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 7/19/10 @ 09:00 and 7/20/10 @ 08:00.

DIRECTOR

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

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LAB NO.103235.01 07/28/10

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

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:07/20/10 RECEIVED:07/20/10
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		072310	0.065	EPA608
Aroclor 1221	ug/L	< 0.065		072310	0.065	EPA608
Aroclor 1232	ug/L	< 0.065		072310	0.065	EPA608
Aroclor 1242	ug/L	< 0.065		072310	0.065	EPA608
Aroclor 1248	ug/L	< 0.065		072310	0.065	EPA608
Aroclor 1254	ug/L	< 0.065		072310	0.065	EPA608
Aroclor 1260	ug/L	< 0.065		072310	0.065	EPA608
Cadmium as Cd	mg/L	< 0.005		072210	0.005	EPA200.7
Chromium as Cr	mg/L	0.007		072210	0.005	EPA200.7
Copper as Cu	mg/L	0.01		072210	0.01	EPA200.7
Lead as Pb	mg/L	< 0.005		072210	0.005	EPA200.7
Mercury as Hg	mg/L	< 0.00025		072210	0.000	EPA245.2
Molybdenum as Mo	mg/L	< 0.005		072210	0.005	EPA200.7
Nickel as Ni	mg/L	< 0.01		072210	0.01	EPA200.7
Silver as Ag	mg/L	< 0.005		072210	0.005	EPA200.7
Zinc as Zn	mg/L	0.02		072210	0.01	EPA200.7
Chromium hex as Cr	mg/L	< 0.02		072110 1630	0.02	S203500CrB
Carbonaceous BOD5	mg/L	120		072110 1500	50	5210B
Tot. Kjeldahl N.	mg/L	37		072310	0.2	S204500NORG
Nitrate as N	mg/L	< 0.5		072710	0.5	EPA353.2
Nitrogen, total as N	mg/L	37		072710	0.2	EPA351,353
Chloride as Cl	mg/L	4900		072210	100	S184500C1B

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 7/19/10 @ 09:00 and 7/20/10 @ 08:00.

DIRECTOR

rn = 18552 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.103235.02 07/28/10

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

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:07/19/10 RECEIVED:07/20/10
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		072210	5	EPA624
Bromomethane	ug/L	< 5		072210	5	EPA624
Vinyl Chloride	ug/L	< 5		072210	5	EPA624
Chloroethane	ug/L	< 5		072210	5	EPA624
Methylene Chloride	ug/L	< 5		072210	5	EPA624
Acetone	ug/L	< 50		072210	50	EPA624
Carbon disulfide	ug/L	< 5		072210	5	EPA624
1,1 Dichloroethene	ug/L	< 5		072210	5	EPA624
1,1 Dichloroethane	ug/L	< 5		072210	5	EPA624
1,2 Dichloroethene	ug/L	< 10		072210	10	EPA624
Chloroform	ug/L	< 5		072210	5	EPA624
1,2 Dichloroethane	ug/L	< 5		072210	5	EPA624
2-Butanone	ug/L	< 50		072210	50	EPA624
111 Trichloroethane	ug/L	< 5		072210	5	EPA624
Carbon Tetrachloride	ug/L	< 5		072210	5	EPA624
Bromodichloromethane	ug/L	< 5		072210	5	EPA624
1,2 Dichloropropane	ug/L	< 5		072210	5	EPA624
c-1,3Dichloropropene	ug/L	< 5		072210	5	EPA624
Trichloroethene	ug/L	< 5		072210	5	EPA624
Chlorodibromomethane	ug/L	< 5		072210	5	EPA624
112 Trichloroethane	ug/L	< 5		072210	5	EPA624
Benzene	ug/L	< 5		072210	5	EPA624
t-1,3Dichloropropene	ug/L	< 5		072210	5	EPA624
Bromoform	ug/L	< 5		072210	5	EPA624
4-Methyl-2-Pentanone	ug/L	< 50		072210	10	EPA624

cc:

LRL=Laboratory Reporting Limit

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

DIRECTOR

rn = 18553 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.103235.02 07/28/10

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

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:07/19/10 RECEIVED:07/20/10
TIME COL'D:*
MATRIX:Water SAMPLE: M1-4 Grab Composite

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2-Hexanone	ug/L	< 50		072210	50	EPA624
Tetrachloroethene	ug/L	< 5		072210	5	EPA624
Toluene	ug/L	< 5		072210	5	EPA624
1122Tetrachloroethane	ug/L	< 5		072210	5	EPA624
Chlorobenzene	ug/L	< 5		072210	5	EPA624
Ethyl Benzene	ug/L	< 5		072210	5	EPA624
Styrene	ug/L	< 5		072210	5	EPA624
o Xylene	ug/L	< 5		072210	5	EPA624
m + p Xylene	ug/L	< 10		072210	10	EPA624
Xylene	ug/L	< 15		072210	15	EPA624
ter.ButylMethylEther	ug/L	< 5		072210	5	EPA624
Cyanide as CN	mg/L	< 0.02		072310	0.02	EPA335.4
CN amen.to chlorin.	mg/L	< 0.02		072310	0.02	EPA335.4

cc:

LRL=Laboratory Reporting Limit

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

DIRECTOR

rn = 18554 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.103235.03 07/28/10

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

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:07/19/10 RECEIVED:07/20/10
TIME COL'D:0915
MATRIX:Water SAMPLE: M1-09:15-Grab #1

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
pH@lab units		6.5		072010 1658	0.1	S184500HB
Tot Suspended Solids	mg/L	21		072310	2.5	S182540D
Non-polar Material	mg/L	< 5		072610	5	OPA1664

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 18555 NYSDOH ID # 10320

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

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

LAB NO.103235.04 07/28/10

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

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:07/19/10 RECEIVED:07/20/10
TIME COL'D:1100
MATRIX:Water SAMPLE: M1-11:00-Grab #2

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
pH@lab units		6.5		072010 1701	0.1	S184500HB
Tot Suspended Solids	mg/L	11		072310	2.5	S182540D
Non-polar Material	mg/L	< 5		072610	5	OPA1664

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 18556 NYSDOH ID # 10320

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

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LAB NO.103235.05 07/28/10

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

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:07/19/10 RECEIVED:07/20/10
TIME COL'D:1300
MATRIX:Water SAMPLE: M1-13:00-Grab #3

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
pH@lab units		6.5		072010 1703	0.1	S184500HB
Tot Suspended Solids	mg/L	12		072310	2.5	S182540D
Non-polar Material	mg/L	< 5		072610	5	OPA1664

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 18557 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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LAB NO.103235.06 07/28/10

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

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:07/19/10 RECEIVED:07/20/10
TIME COL'D:1430
MATRIX:Water SAMPLE: M1-14:30-Grab #4

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
pH@lab units		6.5		072010 1705	0.1	S184500HB
Tot Suspended Solids	mg/L	14		072310	2.5	S182540D
Non-polar Material	mg/L	< 5		072610	5	OPA1664

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 18558 NYSDOH ID # 10320

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

103235 24

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

M1

7/19/10

MATRIX (Water, Soil, etc.)	COLLECTED DATE	COLLECTED TIME	SAMPLE IDENTIFICATION	TOTAL NUMBER OF CONTAINERS	TYPE AND NUMBER OF CONTAINERS: VOC VIALS [HCl]	32 OZ AMBER GLASS [H2SO4] - NON POLAR MATERIAL	32 OZ PLASTIC - NON METLAS - TSS & pH	8 OZ PLASTIC [NaOH] - CN		32 OZ AMBER GLASS PEST. & PCBs	32 OZ AMBER GLASS BASE NEUTRAL EXTRACTABLES	32 AMBER GLASS ACID EXTRACTABLES	32 OZ PLASTIC - NON METALS	16 OZ PLASTIC [H2SO4] - N & COD	8 OZ PLASTIC [HNO3] - METALS			REMARKS – TESTS REQUIRED
Water	7/19/10	9:15	M1 - 9:15 - Grab #1	5	2	1	1	1										TSS, pH, HEM-NPM, CBOD, Chloride,
Water	7/19/10	11:00	M1 - 11:00 - Grab #2	5	2	1	1	1										Cyanide (Total & Amenable), Nitrogen,
Water	7/19/10	13:00	M1 - 13:00 - Grab #3	5	2	1	1	1										VOCs & SVOCs, Benzene, Ethylbenzene,
Water	7/19/10	14:30	M1 - 14:30 - Grab #4	5	2	1	1	1										Xylenes, MTBE, Tetrachloroethylene,
																		Toluene, Naphthalene, Phenols, PCBs
Water			**M1** - 24 Hour Composite	7						2	1	1	1	1	1			Metals (Cu, Pb, Hg, Mo, Ni, Ag, Zn)
Start:	7/19/10	9:00																Cadmium, Chromium (Total & Hex),
End:	7/20/10	8:00																
																		(EPA 40 CFR Part 136 approved methods)
																		Temp = 1.3°C

Relinquished by: (Signature)	Date: 7-20-10 / Time: 1.05p	SEAL INTACT? YES NO NA	Received by: (Signature)	Relinquished by: (Signature)	Date: 7/20/10 / Time: 14:51	SEAL INTACT? YES NO NA	Received by: (Signature)
Representing: Stratis			Representing: Stratis	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:

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.104019.01 09/08/10

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:08/31/10 RECEIVED:08/31/10
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		090310	1	EPA625
1,3 Dichlorobenzene(sv)	ug/L	< 1		090310	1	EPA625
1,4 Dichlorobenzene(sv)	ug/L	< 1		090310	1	EPA625
Carbazole	ug/L	< 1		090310	1	EPA625
1,2 Dichlorobenzene(sv)	ug/L	< 1		090310	1	EPA625
Bis(2-chloroisopropyl)ether	ug/L	< 1		090310	1	EPA625
N-Nitrosodi-n-propylamine	ug/L	< 1		090310	1	EPA625
Hexachloroethane	ug/L	< 1		090310	1	EPA625
Nitrobenzene	ug/L	< 1		090310	1	EPA625
Isophorone	ug/L	< 1		090310	1	EPA625
Bis(2-chloroethoxy)methane	ug/L	< 1		090310	1	EPA625
124-Trichlorobenzene (sv)	ug/L	< 1		090310	1	EPA625
Naphthalene(sv)	ug/L	< 1		090310	1	EPA625
4-Chloroaniline	ug/L	< 1		090310	1	EPA625
Hexachlorobutadiene	ug/L	< 1		090310	1	EPA625
2-Methylnaphthalene	ug/L	< 1		090310	1	EPA625
Hexachlorocyclopentadiene	ug/L	< 10		090310	10	EPA625
2-Chloronaphthalene	ug/L	< 1		090310	1	EPA625
2-Nitroaniline	ug/L	< 1		090310	1	EPA625
Dimethyl Phthalate	ug/L	< 1		090310	1	EPA625
Acenaphthylene	ug/L	< 1		090310	1	EPA625
2,6-Dinitrotoluene	ug/L	< 1		090310	1	EPA625
3-Nitroaniline	ug/L	< 1		090310	1	EPA625
Acenaphthene	ug/L	< 1		090310	1	EPA625
Dibenzofuran	ug/L	< 1		090310	1	EPA625

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 8/30/10 @ 12:00 and 8/31/10 @ 11:00.
All values are within NY State and Federal limits for potable water.

DIRECTOR

rn = 22702 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.104019.01 09/08/10

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:08/31/10 RECEIVED:08/31/10
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		090310	1	EPA625
Diethyl Phthalate	ug/L	< 1		090310	1	EPA625
4-Chlorophenyl phenyl ether	ug/L	< 1		090310	1	EPA625
Fluorene	ug/L	< 1		090310	1	EPA625
4-Nitroaniline	ug/L	< 1		090310	1	EPA625
N-Nitrosodiphenylamine	ug/L	< 1		090310	1	EPA625
4-Bromophenyl phenyl ether	ug/L	< 1		090310	1	EPA625
Hexachlorobenzene	ug/L	< 1		090310	1	EPA625
Phenanthrene	ug/L	< 1		090310	1	EPA625
Anthracene	ug/L	< 1		090310	1	EPA625
Di-n-Butyl Phthalate	ug/L	< 1		090310	1	EPA625
Fluoranthene	ug/L	< 1		090310	1	EPA625
Pyrene	ug/L	< 1		090310	1	EPA625
BenzylButylPhthalate	ug/L	< 1		090310	1	EPA625
3,3'-Dichlorobenzidine	ug/L	< 10		090310	10	EPA625
Benzo(a)anthracene	ug/L	< 1		090310	1	EPA625

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 8/30/10 @ 12:00 and 8/31/10 @ 11:00.

DIRECTOR

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

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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LAB NO.104019.01 09/08/10

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:08/31/10 RECEIVED:08/31/10
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		090310	1	EPA625
Bis(2-ethylhexyl)phthalate	ug/L	1.6	#	090310	1	EPA625
Di-n-octyl Phthalate	ug/L	< 1		090310	1	EPA625
Benzo(b)fluoranthene	ug/L	< 1		090310	1	EPA625
Benzo(k)fluoranthene	ug/L	< 1		090310	1	EPA625
Benzo(a)pyrene	ug/L	< 1		090310	1	EPA625
Indeno(1,2,3-cd)pyrene	ug/L	< 1		090310	1	EPA625
Dibenzo(a,h)anthracene	ug/L	< 1		090310	1	EPA625
Benzo(ghi)perylene	ug/L	< 1		090310	1	EPA625

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 8/30/10 @ 12:00 and 8/31/10 @ 11:00.
#Method blank contains 1.2 ug/L of Bis(2-ethylhexyl) phthalate.

DIRECTOR

rn = 22704 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.104019.01 09/08/10

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:08/31/10 RECEIVED:08/31/10
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		090310	1	EPA625
2-Chlorophenol	ug/L	< 1		090310	1	EPA625
2-Methylphenol (o-cresol)	ug/L	< 1		090310	1	EPA625
4-Methylphenol (p-cresol)	ug/L	< 1		090310	1	EPA625
2-Nitrophenol	ug/L	< 1		090310	1	EPA625
2,4-Dimethylphenol	ug/L	< 1		090310	1	EPA625
2,4-Dichlorophenol	ug/L	< 1		090310	1	EPA625
4-Chloro-3-methylphenol	ug/L	< 1		090310	1	EPA625
2,4,6-Trichlorophenol	ug/L	< 1		090310	1	EPA625
2,4,5-Trichlorophenol	ug/L	< 1		090310	1	EPA625
2,4-Dinitrophenol	ug/L	< 10		090310	10	EPA625
4-Nitrophenol	ug/L	< 10		090310	10	EPA625
2-Methyl-4,6-dinitrophenol	ug/L	< 10		090310	10	EPA625
Pentachlorophenol (ms)	ug/L	< 10		090310	10	EPA625

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 8/30/10 @ 12:00 and 8/31/10 @ 11:00.

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.104019.01 09/08/10

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:08/31/10 RECEIVED:08/31/10
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		090410	0.065	EPA608
Aroclor 1221	ug/L	< 0.065		090410	0.065	EPA608
Aroclor 1232	ug/L	< 0.065		090410	0.065	EPA608
Aroclor 1242	ug/L	< 0.065		090410	0.065	EPA608
Aroclor 1248	ug/L	< 0.065		090410	0.065	EPA608
Aroclor 1254	ug/L	< 0.065		090410	0.065	EPA608
Aroclor 1260	ug/L	< 0.065		090410	0.065	EPA608
Cadmium as Cd	mg/L	< 0.005		090210	0.005	EPA200.7
Chromium as Cr	mg/L	0.014		090210	0.005	EPA200.7
Copper as Cu	mg/L	< 0.01		090210	0.01	EPA200.7
Lead as Pb	mg/L	< 0.005		090210	0.005	EPA200.7
Mercury as Hg	mg/L	< 0.00025		090310	0.0002	EPA245.2
Molybdenum as Mo	mg/L	< 0.005		090210	0.005	EPA200.7
Nickel as Ni	mg/L	0.05		090210	0.01	EPA200.7
Silver as Ag	mg/L	< 0.005		090210	0.005	EPA200.7
Zinc as Zn	mg/L	0.17		090210	0.01	EPA200.7
Chromium hex as Cr	mg/L	< 0.02		090110 1300	0.02	S203500CrB
Carbonaceous BOD5	mg/L	81		090110 1500	10	5210B
Tot. Kjeldahl N.	mg/L	48		090310	0.2	S204500NORB
Nitrate as N	mg/L	< 0.5		090310	0.5	EPA353.2
Nitrogen, total as N	mg/L	48		090310	0.2	EPA351,353
Chloride as Cl	mg/L	6100		090110	100	S184500ClB

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 8/30/10 @ 12:00 and 8/31/10 @ 11:00.

DIRECTOR

rn = 22706 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.104019.02 09/08/10

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:08/31/10 RECEIVED:08/31/10
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		090110	5	EPA624
Bromomethane	ug/L	< 5		090110	5	EPA624
Vinyl Chloride	ug/L	< 5		090110	5	EPA624
Chloroethane	ug/L	< 5		090110	5	EPA624
Methylene Chloride	ug/L	< 5		090110	5	EPA624
Acetone	ug/L	< 50		090110	50	EPA624
Carbon disulfide	ug/L	< 5		090110	5	EPA624
1,1 Dichloroethene	ug/L	< 5		090110	5	EPA624
1,1 Dichloroethane	ug/L	< 5		090110	5	EPA624
1,2 Dichloroethene	ug/L	< 10		090110	10	EPA624
Chloroform	ug/L	< 5		090110	5	EPA624
1,2 Dichloroethane	ug/L	< 5		090110	5	EPA624
2-Butanone	ug/L	< 50		090110	50	EPA624
111 Trichloroethane	ug/L	< 5		090110	5	EPA624
Carbon Tetrachloride	ug/L	< 5		090110	5	EPA624
Bromodichloromethane	ug/L	< 5		090110	5	EPA624
1,2 Dichloropropane	ug/L	< 5		090110	5	EPA624
c-1,3Dichloropropene	ug/L	< 5		090110	5	EPA624
Trichloroethene	ug/L	< 5		090110	5	EPA624
Chlorodibromomethane	ug/L	< 5		090110	5	EPA624
112 Trichloroethane	ug/L	< 5		090110	5	EPA624
Benzene	ug/L	< 5		090110	5	EPA624
t-1,3Dichloropropene	ug/L	< 5		090110	5	EPA624
Bromoform	ug/L	< 5		090110	5	EPA624
4-Methyl-2-Pentanone	ug/L	< 50		090110	50	EPA624

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by EcoTest Labs.
* Collected at 14:35 on 8/30/10 and 07:10, 08:45, 10:30 on 8/31/10.

DIRECTOR

rn = 22707 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.104019.02 09/08/10

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:08/31/10 RECEIVED:08/31/10
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		090110	50	EPA624
Tetrachloroethene	ug/L	< 5		090110	5	EPA624
Toluene	ug/L	< 5		090110	5	EPA624
1122Tetrachloroethane	ug/L	< 5		090110	5	EPA624
Chlorobenzene	ug/L	< 5		090110	5	EPA624
Ethyl Benzene	ug/L	< 5		090110	5	EPA624
Styrene	ug/L	< 5		090110	5	EPA624
o Xylene	ug/L	< 5		090110	5	EPA624
m + p Xylene	ug/L	< 10		090110	10	EPA624
Xylene	ug/L	< 15		090110	15	EPA624
ter.ButylMethylEther	ug/L	< 5		090110	5	EPA624
Cyanide as CN	mg/L	< 0.02		090110	0.02	EPA335.4
CN amen.to chlorin.	mg/L	< 0.02		090110	0.02	EPA335.4

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by EcoTest Labs.
* Collected at 14:35 on 8/30/10 and 07:10, 08:45, 10:30 on 8/31/10.

DIRECTOR

rn = 22708 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.104019.03 09/08/10

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:08/30/10 RECEIVED:08/31/10
TIME COL'D:1435
MATRIX:Water SAMPLE: M1-14:35-Grab #1

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
pH@lab units		7.4		090110 1038	0.1	S184500HB
Tot Suspended Solids	mg/L	5		090110	2.5	S182540D
Non-polar Material	mg/L	< 5		090110	5	EPA1664

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 22709 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.104019.04 09/08/10

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:08/31/10 RECEIVED:08/31/10
TIME COL'D:0710
MATRIX:Water SAMPLE: M1-7:10-Grab #2

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
pH@lab units		6.5		090110 1039	0.1	S184500HB
Tot Suspended Solids	mg/L	7		090110	2.5	S182540D
Non-polar Material	mg/L	< 5		090110	5	EPA1664

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 22710 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.104019.05 09/08/10

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:08/31/10 RECEIVED:08/31/10
TIME COL'D:0845
MATRIX:Water SAMPLE: M1-8:45-Grab #3

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
pH@lab units		6.4		090110 1040	0.1	S184500HB
Tot Suspended Solids	mg/L	7		090110	2.5	S182540D
Non-polar Material	mg/L	< 5		090110	5	EPA1664

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR_____

rn = 22711 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.104019.06 09/08/10

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:08/31/10 RECEIVED:08/31/10
TIME COL'D:1030
MATRIX:Water SAMPLE: M1-10:30-Grab #4

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
pH@lab units		6.5		090110 1041	0.1	S184500HB
Tot Suspended Solids	mg/L	7		090110	2.5	S182540D
Non-polar Material	mg/L	< 5		090110	5	EPA1664

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 22712 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

104019 30

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

M1

8/31/10

MATRIX (Water, Soil, etc.)	COLLECTED DATE	COLLECTED TIME	SAMPLE IDENTIFICATION	TOTAL NUMBER OF CONTAINERS	TYPE AND NUMBER OF CONTAINERS: VOC VIALS [HCl]	32 OZ AMBER GLASS [H2SO4] - NON POLAR MATERIAL	32 OZ PLASTIC - NON METLAS - TSS & pH	8 OZ PLASTIC [NaOH] - CN		32 OZ AMBER GLASS PEST. & PCBs	32 OZ AMBER GLASS BASE NEUTRAL EXTRACTABLES	32 AMBER GLASS ACID EXTRACTABLES	32 OZ PLASTIC - NON METALS	16 OZ PLASTIC [H2SO4] - N & COD	8 OZ PLASTIC [HNO3] - METALS			REMARKS – TESTS REQUIRED
Water	8/30/10	14:35	M1 - 14:35 - Grab #1	5	2	1	1	1										TSS, pH, HEM-NPM, CBOD, Chloride,
Water	8/31/10	7:10	M1 - 7:10 - Grab #2	5	2	1	1	1										Cyanide (Total & Amenable), Nitrogen,
Water	8/31/10	8:45	M1 - 8:45 - Grab #3	5	2	1	1	1										VOCs & SVOCs, Benzene, Ethylbenzene,
Water	8/31/10	10:30	M1 - 10:30 - Grab #4	5	2	1	1	1										Xylenes, MTBE, Tetrachloroethylene,
																		Toluene, Naphthalene, Phenols, PCBs
Water			**M1** - 24 Hour Composite	7						2	1	1	1	1	1			Metals (Cu, Pb, Hg, Mo, Ni, Ag, Zn)
Start:	8/30/10	12:00																Cadmium, Chromium (Total & Hex),
End:	8/31/10	11:00																
																		(EPA 40 CFR Part 136 approved methods)
																		Temp = 0.8°C

Relinquished by: (Signature) / Representing:	Date: 8-31-10 / Time: 1:30 p	SEAL INTACT? YES NO NA	Received by: (Signature) / Representing:	Relinquished by: (Signature) / Representing:	Date: 8/31/10 / Time: 15:35	SEAL INTACT? YES NO NA	Received by: (Signature) / Representing:
Relinquished by: (Signature) / Representing:	Date: / Time:	SEAL INTACT? YES NO NA	Received by: (Signature) / Representing:	Relinquished by: (Signature) / Representing:	Date: / Time:	SEAL INTACT? YES NO NA	Received by: (Signature) / Representing:

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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

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

LAB NO.104207.01 09/22/10

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:09/10/10 RECEIVED:09/10/10
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		091410	1	EPA625
1,3 Dichlorobenzene(sv)	ug/L	< 1		091410	1	EPA625
1,4 Dichlorobenzene(sv)	ug/L	< 1		091410	1	EPA625
Carbazole	ug/L	< 1		091410	1	EPA625
1,2 Dichlorobenzene(sv)	ug/L	< 1		091410	1	EPA625
Bis(2-chloroisopropyl)ether	ug/L	< 1		091410	1	EPA625
N-Nitrosodi-n-propylamine	ug/L	< 1		091410	1	EPA625
Hexachloroethane	ug/L	< 1		091410	1	EPA625
Nitrobenzene	ug/L	< 1		091410	1	EPA625
Isophorone	ug/L	< 1		091410	1	EPA625
Bis(2-chloroethoxy)methane	ug/L	< 1		091410	1	EPA625
124-Trichlorobenzene (sv)	ug/L	< 1		091410	1	EPA625
Naphthalene(sv)	ug/L	< 1		091410	1	EPA625
4-Chloroaniline	ug/L	< 1		091410	1	EPA625
Hexachlorobutadiene	ug/L	< 1		091410	1	EPA625
2-Methylnaphthalene	ug/L	< 1		091410	1	EPA625
Hexachlorocyclopentadiene	ug/L	< 10		091410	10	EPA625
2-Chloronaphthalene	ug/L	< 1		091410	1	EPA625
2-Nitroaniline	ug/L	< 1		091410	1	EPA625
Dimethyl Phthalate	ug/L	< 1		091410	1	EPA625
Acenaphthylene	ug/L	< 1		091410	1	EPA625
2,6-Dinitrotoluene	ug/L	< 1		091410	1	EPA625
3-Nitroaniline	ug/L	< 1		091410	1	EPA625
Acenaphthene	ug/L	< 1		091410	1	EPA625
Dibenzofuran	ug/L	< 1		091410	1	EPA625

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 9/09/10 @ 09:20 and 9/10/10 @ 08:20.

DIRECTOR

rn = 23960 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.104207.01 09/22/10

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:09/10/10 RECEIVED:09/10/10
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		091410	1	EPA625
Diethyl Phthalate	ug/L	< 1		091410	1	EPA625
4-Chlorophenyl phenyl ether	ug/L	< 1		091410	1	EPA625
Fluorene	ug/L	< 1		091410	1	EPA625
4-Nitroaniline	ug/L	< 1		091410	1	EPA625
N-Nitrosodiphenylamine	ug/L	< 1		091410	1	EPA625
4-Bromophenyl phenyl ether	ug/L	< 1		091410	1	EPA625
Hexachlorobenzene	ug/L	< 1		091410	1	EPA625
Phenanthrene	ug/L	< 1		091410	1	EPA625
Anthracene	ug/L	< 1		091410	1	EPA625
Di-n-Butyl Phthalate	ug/L	< 1		091410	1	EPA625
Fluoranthene	ug/L	< 1		091410	1	EPA625
Pyrene	ug/L	< 1		091410	1	EPA625
BenzylButylPhthalate	ug/L	< 1		091410	1	EPA625
3,3'-Dichlorobenzidine	ug/L	< 10		091410	10	EPA625
Benzo(a)anthracene	ug/L	< 1		091410	1	EPA625

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 9/09/10 @ 09:20 and 9/10/10 @ 08:20.

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.104207.01 09/22/10

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:09/10/10 RECEIVED:09/10/10
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		091410	1	EPA625
Bis(2-ethylhexyl)phthalate	ug/L	5.6	#	091410	1	EPA625
Di-n-octyl Phthalate	ug/L	< 1		091410	1	EPA625
Benzo(b)fluoranthene	ug/L	< 1		091410	1	EPA625
Benzo(k)fluoranthene	ug/L	< 1		091410	1	EPA625
Benzo(a)pyrene	ug/L	< 1		091410	1	EPA625
Indeno(1,2,3-cd)pyrene	ug/L	< 1		091410	1	EPA625
Dibenzo(a,h)anthracene	ug/L	< 1		091410	1	EPA625
Benzo(ghi)perylene	ug/L	< 1		091410	1	EPA625

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 9/09/10 @ 09:20 and 9/10/10 @ 08:20.
#Method blank contains 2.1 ug/L of Bis(2-ethylhexyl) phthalate.

DIRECTOR

rn = 23962 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.104207.01 09/22/10

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:09/10/10 RECEIVED:09/10/10
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		091410	1	EPA625
2-Chlorophenol	ug/L	< 1		091410	1	EPA625
2-Methylphenol (o-cresol)	ug/L	< 1		091410	1	EPA625
4-Methylphenol (p-cresol)	ug/L	< 1		091410	1	EPA625
2-Nitrophenol	ug/L	< 1		091410	1	EPA625
2,4-Dimethylphenol	ug/L	< 1		091410	1	EPA625
2,4-Dichlorophenol	ug/L	< 1		091410	1	EPA625
4-Chloro-3-methylphenol	ug/L	< 1		091410	1	EPA625
2,4,6-Trichlorophenol	ug/L	< 1		091410	1	EPA625
2,4,5-Trichlorophenol	ug/L	< 1		091410	1	EPA625
2,4-Dinitrophenol	ug/L	< 10		091410	10	EPA625
4-Nitrophenol	ug/L	< 10		091410	10	EPA625
2-Methyl-4,6-dinitrophenol	ug/L	< 10		091410	10	EPA625
Pentachlorophenol (ms)	ug/L	< 10		091410	10	EPA625

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 9/09/10 @ 09:20 and 9/10/10 @ 08:20.

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.104207.01 09/22/10

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:09/10/10 RECEIVED:09/10/10
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		091510	0.065	EPA608
Aroclor 1221	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1232	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1242	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1248	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1254	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1260	ug/L	< 0.065		091510	0.065	EPA608
Cadmium as Cd	mg/L	< 0.005		092010	0.005	EPA200.7
Chromium as Cr	mg/L	< 0.005		092010	0.005	EPA200.7
Copper as Cu	mg/L	< 0.01		092010	0.01	EPA200.7
Lead as Pb	mg/L	< 0.005		092010	0.005	EPA200.7
Mercury as Hg	mg/L	< 0.00025		091410	0.0002	EPA245.2
Molybdenum as Mo	mg/L	< 0.005		092010	0.005	EPA200.7
Nickel as Ni	mg/L	< 0.01		092010	0.01	EPA200.7
Silver as Ag	mg/L	< 0.005		092010	0.005	EPA200.7
Zinc as Zn	mg/L	0.05		092010	0.01	EPA200.7
Chromium hex as Cr	mg/L	< 0.02		091010 1700	0.02	S203500CrB
Carbonaceous BOD5	mg/L	180		090910 1645	60	5210B
Tot. Kjeldahl N.	mg/L	60		091510	0.4	S204500NORB
Nitrate as N	mg/L	< 0.5		091410	0.5	EPA353.2
Nitrogen, total as N	mg/L	60		091510	0.4	EPA351,353
Chloride as Cl	mg/L	7900		091310	100	S184500C1B

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 9/09/10 @ 09:20 and 9/10/10 @ 08:20.

DIRECTOR

rn = 23964 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.104207.02 09/22/10

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:09/09/10 RECEIVED:09/10/10
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		091410	5	EPA624
Bromomethane	ug/L	< 5		091410	5	EPA624
Vinyl Chloride	ug/L	< 5		091410	5	EPA624
Chloroethane	ug/L	< 5		091410	5	EPA624
Methylene Chloride	ug/L	< 5		091410	5	EPA624
Acetone	ug/L	< 50		091410	50	EPA624
Carbon disulfide	ug/L	< 5		091410	5	EPA624
1,1 Dichloroethene	ug/L	< 5		091410	5	EPA624
1,1 Dichloroethane	ug/L	< 5		091410	5	EPA624
1,2 Dichloroethene	ug/L	< 10		091410	10	EPA624
Chloroform	ug/L	< 5		091410	5	EPA624
1,2 Dichloroethane	ug/L	< 5		091410	5	EPA624
2-Butanone	ug/L	< 50		091410	50	EPA624
111 Trichloroethane	ug/L	< 5		091410	5	EPA624
Carbon Tetrachloride	ug/L	< 5		091410	5	EPA624
Bromodichloromethane	ug/L	< 5		091410	5	EPA624
1,2 Dichloropropane	ug/L	< 5		091410	5	EPA624
c-1,3Dichloropropene	ug/L	< 5		091410	5	EPA624
Trichloroethene	ug/L	< 5		091410	5	EPA624
Chlorodibromomethane	ug/L	< 5		091410	5	EPA624
112 Trichloroethane	ug/L	< 5		091410	5	EPA624
Benzene	ug/L	< 5		091410	5	EPA624
t-1,3Dichloropropene	ug/L	< 5		091410	5	EPA624
Bromoform	ug/L	< 5		091410	5	EPA624
4-Methyl-2-Pentanone	ug/L	< 50		091410	50	EPA624

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by EcoTest Labs.
* Collected at 09:45, 11:00, 12:45, and 15:10.

DIRECTOR_____

rn = 23965 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.104207.02 09/22/10

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:09/09/10 RECEIVED:09/10/10
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		091410	50	EPA624
Tetrachloroethene	ug/L	< 5		091410	5	EPA624
Toluene	ug/L	< 5		091410	5	EPA624
1122Tetrachloroethane	ug/L	< 5		091410	5	EPA624
Chlorobenzene	ug/L	< 5		091410	5	EPA624
Ethyl Benzene	ug/L	< 5		091410	5	EPA624
Styrene	ug/L	< 5		091410	5	EPA624
o Xylene	ug/L	< 5		091410	5	EPA624
m + p Xylene	ug/L	< 10		091410	10	EPA624
Xylene	ug/L	< 15		091410	15	EPA624
ter.ButylMethylEther	ug/L	< 5		091410	5	EPA624
Cyanide as CN	mg/L	< 0.02		091310	0.02	EPA335.4
CN amen.to chlorin.	mg/L	< 0.02		091310	0.02	EPA335.4

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by EcoTest Labs.
* Collected at 09:45, 11:00, 12:45, and 15:10.

DIRECTOR

rn = 23966 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.104207.03 09/22/10

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:09/09/10 RECEIVED:09/10/10
TIME COL'D:0945
MATRIX:Water SAMPLE: M1-09:45-Grab #1

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
pH@lab units		6.5		091010 1732	0.1	S184500HB
Tot Suspended Solids	mg/L	31		091310	5	S182540D
Non-polar Material	mg/L	< 5		091510	5	EPA1664

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 23967 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.104207.04 09/22/10

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:09/09/10 RECEIVED:09/10/10
TIME COL'D:1100
MATRIX:Water SAMPLE: M1-11:00-Grab #2

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
pH@lab units		6.4		091010 1729	0.1	S184500HB
Tot Suspended Solids	mg/L	32		091310	5	S182540D
Non-polar Material	mg/L	< 5		091510	5	EPA1664

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 23968 NYSDOH ID # 10320

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

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LAB NO.104207.05 09/22/10

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:09/09/10 RECEIVED:09/10/10
TIME COL'D:1245
MATRIX:Water SAMPLE: M1-12:45-Grab #3

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
pH@lab units		6.3		091010 1734	0.1	S184500HB
Tot Suspended Solids	mg/L	31		091310	5	S182540D
Non-polar Material	mg/L	< 5		091510	5	EPA1664

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 23969 NYSDOH ID # 10320

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

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

LAB NO.104207.06 09/22/10

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:09/09/10 RECEIVED:09/10/10
TIME COL'D:1510
MATRIX:Water SAMPLE: M1-15;10-Grab #4

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
pH@lab units		6.1		091010 1736	0.1	S184500HB
Tot Suspended Solids	mg/L	14		091310	2.5	S182540D
Non-polar Material	mg/L	< 5		091510	5	EPA1664

cc:

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 23970 NYSDOH ID # 10320

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

CHAIN OF CUSTODY RECORD

104207 17

1 COOLER

M1

9/9/10

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**
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	9/9/10	9:45	M1 - 9:45 - Grab #1	5	2	1	1	1										TSS, pH, HEM-NPM, CBOD, Chloride,
Water	9/9/10	11:00	M1 - 11:00 - Grab #2	5	2	1	1	1										Cyanide (Total & Amenable), Nitrogen,
Water	9/9/10	12:45	M1 - 12:45 - Grab #3	5	2	1	1	1										VOCs & SVOCs, Benzene, Ethylbenzene,
Water	9/9/10	15:10	M1 - 15:10 - 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:	9/9/10	9:20																Cadmium, Chromium (Total & Hex),
End:	9/10/10	8:20																TEMP=1.8°C
																		(EPA 40 CFR Part 136 approved methods)

Relinquished by: (Signature)	Date: 9/10/10	SEAL INTACT? YES NO NA	Received by: (Signature)	Relinquished by: (Signature)	Date: 9/10/10	SEAL INTACT? YES NO NA	Received by: (Signature)
Representing: STRATIS	Time: 11:30		Representing:	Representing:	Time: 16:08		Representing:
Relinquished by: (Signature)	Date:	SEAL INTACT? YES NO NA	Received by: (Signature)	Relinquished by: (Signature)	Date:	SEAL INTACT? YES NO NA	Received by: (Signature)
Representing:	Time:		Representing:	Representing:	Time:		Representing:

Groundwater Leachate Pretreatment

Influent Analysis Laboratory Reports and Chain of Custody Records

(July, August and September, 2010)

Note: the September 2010 GWL Influent data was validated with this quarter's groundwater data)

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

LAB NO.104190.01 10/01/10

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:09/09/10 RECEIVED:09/09/10
TIME COL'D:*
MATRIX:Water SAMPLE: M1-24 Hour Composite, GWL Influent

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/L	< 1		091410	1	EPA625
1,3 Dichlorobenzene(sv)	ug/L	< 1		091410	1	EPA625
1,4 Dichlorobenzene(sv)	ug/L	< 1		091410	1	EPA625
Carbazole	ug/L	< 1		091410	1	EPA625
1,2 Dichlorobenzene(sv)	ug/L	< 1		091410	1	EPA625
Bis(2-chloroisopropyl)ether	ug/L	< 1		091410	1	EPA625
N-Nitrosodi-n-propylamine	ug/L	< 1		091410	1	EPA625
Hexachloroethane	ug/L	< 1		091410	1	EPA625
Nitrobenzene	ug/L	< 1		091410	1	EPA625
Isophorone	ug/L	< 1		091410	1	EPA625
Bis(2-chloroethoxy)methane	ug/L	< 1		091410	1	EPA625
124-Trichlorobenzene (sv)	ug/L	< 1		091410	1	EPA625
Naphthalene(sv)	ug/L	< 1		091410	1	EPA625
4-Chloroaniline	ug/L	< 1		091410	1	EPA625
Hexachlorobutadiene	ug/L	< 1		091410	1	EPA625
2-Methylnaphthalene	ug/L	< 1		091410	1	EPA625
Hexachlorocyclopentadiene	ug/L	< 10		091410	10	EPA625
2-Chloronaphthalene	ug/L	< 1		091410	1	EPA625
2-Nitroaniline	ug/L	< 1		091410	1	EPA625
Dimethyl Phthalate	ug/L	< 1		091410	1	EPA625
Acenaphthylene	ug/L	< 1		091410	1	EPA625
2,6-Dinitrotoluene	ug/L	< 1		091410	1	EPA625
3-Nitroaniline	ug/L	< 1		091410	1	EPA625
Acenaphthene	ug/L	< 1		091410	1	EPA625
Dibenzofuran	ug/L	< 1		091410	1	EPA625

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 9/08/10 @ 08:40 and 9/09/10 @ 07:40.

KD
11/29/10 DIRECTOR

rn = 23803 NYSDOH ID # 10320 Page 1 of 5

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
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LAB NO.104190.01 10/01/10

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:09/09/10 RECEIVED:09/09/10
TIME COL'D:*
MATRIX:Water SAMPLE: M1-24 Hour Composite, GWL Influent

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/L	< 1		091410	1	EPA625
Diethyl Phthalate	ug/L	< 1		091410	1	EPA625
4-Chlorophenyl phenyl ether	ug/L	< 1		091410	1	EPA625
Fluorene	ug/L	< 1		091410	1	EPA625
4-Nitroaniline	ug/L	< 1		091410	1	EPA625
N-Nitrosodiphenylamine	ug/L	< 1		091410	1	EPA625
4-Bromophenyl phenyl ether	ug/L	< 1		091410	1	EPA625
Hexachlorobenzene	ug/L	< 1		091410	1	EPA625
Phenanthrene	ug/L	< 1		091410	1	EPA625
Anthracene	ug/L	< 1		091410	1	EPA625
Di-n-Butyl Phthalate	ug/L	< 1		091410	1	EPA625
Fluoranthene	ug/L	< 1		091410	1	EPA625
Pyrene	ug/L	< 1		091410	1	EPA625
BenzylButylPhthalate	ug/L	< 1		091410	1	EPA625
3,3'-Dichlorobenzidine	ug/L	< 10		091410	10	EPA625
Benzo(a)anthracene	ug/L	< 1		091410	1	EPA625

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 9/08/10 @ 08:40 and 9/09/10 @ 07:40.

11/29/10 DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTIN(*

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LAB NO.104190.01 10/01/10

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:09/09/10 RECEIVED:09/09/10
TIME COL'D:*
MATRIX:Water SAMPLE: M1-24 Hour Composite, GWL Influent

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/L	< 1		091410	1	EPA625
Bis(2-ethylhexyl)phthalate	ug/L	6.5 4	#	091410	1	EPA625
Di-n-octyl Phthalate	ug/L	< 1		091410	1	EPA625
Benzo(b)fluoranthene	ug/L	< 1		091410	1	EPA625
Benzo(k)fluoranthene	ug/L	< 1		091410	1	EPA625
Benzo(a)pyrene	ug/L	< 1		091410	1	EPA625
Indeno(1,2,3-cd)pyrene	ug/L	< 1		091410	1	EPA625
Dibenzo(a,h)anthracene	ug/L	< 1		091410	1	EPA625
Benzo(ghi)perylene	ug/L	< 1		091410	1	EPA625

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 9/08/10 @ 08:40 and 9/09/10 @ 07:40.
#Method blank contains 2.1 ug/L of Bis(2-ethylhexyl) phthalate.

KW
11/29/10 DIRECTOR

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LAB NO.104190.01 10/01/10

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:09/09/10 RECEIVED:09/09/10
TIME COL'D:*
MATRIX:Water SAMPLE: M1-24 Hour Composite, GWL Influent

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/L	< 1		091410	1	EPA625
2-Chlorophenol	ug/L	< 1		091410	1	EPA625
2-Methylphenol (o-cresol)	ug/L	< 1		091410	1	EPA625
4-Methylphenol (p-cresol)	ug/L	< 1		091410	1	EPA625
2-Nitrophenol	ug/L	< 1		091410	1	EPA625
2,4-Dimethylphenol	ug/L	< 1		091410	1	EPA625
2,4-Dichlorophenol	ug/L	< 1		091410	1	EPA625
4-Chloro-3-methylphenol	ug/L	< 1		091410	1	EPA625
2,4,6-Trichlorophenol	ug/L	< 1		091410	1	EPA625
2,4,5-Trichlorophenol	ug/L	< 1		091410	1	EPA625
2,4-Dinitrophenol	ug/L	< 10		091410	10	EPA625
4-Nitrophenol	ug/L	< 10		091410	10	EPA625
2-Methyl-4,6-dinitrophenol	ug/L	< 10		091410	10	EPA625
Pentachlorophenol (ms)	ug/L	< 10		091410	10	EPA625

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 9/08/10 @ 08:40 and 9/09/10 @ 07:40.

DW
11/29/10 DIRECTOR

rn = 23806 NYSDOH ID # 10320 Page 4 of 5

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTIN(*

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

LAB NO.104190.01 10/01/10

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:09/09/10 RECEIVED:09/09/10
TIME COL'D:*
MATRIX:Water SAMPLE: M1-24 Hour Composite, GWL Influent

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aroclor 1016	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1221	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1232	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1242	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1248	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1254	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1260	ug/L	< 0.065		091510	0.065	EPA608
Cadmium as Cd	mg/L	< 0.025		092010	0.025	EPA200.7
Chromium as Cr	mg/L	< 0.025		092010	0.025	EPA200.7
Copper as Cu	mg/L	0.47		092010	0.05	EPA200.7
Lead as Pb	mg/L	< 0.025		092010	0.025	EPA200.7
Mercury as Hg	mg/L	< 0.00025		091410	0.0002	EPA245.2
Molybdenum as Mo	mg/L	< 0.025		092010	0.025	EPA200.7
Nickel as Ni	mg/L	0.14		092010	0.05	EPA200.7
Silver as Ag	mg/L	< 0.025		092010	0.025	EPA200.7
Zinc as Zn	mg/L	0.19		092010	0.05	EPA200.7
Chromium hex as Cr	mg/L	< 0.02		091010 1200	0.02	S203500CrB
Carbonaceous BOD5	mg/L	< 15	**	090910 1500	15	5210B
Tot. Kjeldahl N.	mg/L	55		091510	0.4	S204500NORB
Nitrate as N	mg/L	1.7		091310	0.5	EPA353.2
Nitrogen, total as N	mg/L	57		091510	0.4	EPA351,353
Chloride as Cl	mg/L	4700		091310	100	S184500C1B

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by Client.
* Collected between 9/08/10 @ 08:40 and 9/09/10 @ 07:40.
**elevated LRL; value was below expected CBOD range.

RW
11/29/10 DIRECTOR

rn = 23807 NYSDOH ID # 10320 Page 5 of 5

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.104190.02 10/01/10

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:09/08/10 RECEIVED:09/09/10
TIME COL'D:*
MATRIX:Water SAMPLE: M1-4 Grab Composite, GWL Influent

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chloromethane	ug/L	< 1		091510	1	EPA624
Bromomethane	ug/L	< 1		091510	1	EPA624
Vinyl Chloride	ug/L	< 1		091510	1	EPA624
Chloroethane	ug/L	< 1		091510	1	EPA624
Methylene Chloride	ug/L	< 1		091510	1	EPA624
Acetone	ug/L	< 10		091510	10	EPA624
Carbon disulfide	ug/L	< 1		091510	1	EPA624
1,1 Dichloroethene	ug/L	< 1		091510	1	EPA624
1,1 Dichloroethane	ug/L	< 1		091510	1	EPA624
1,2 Dichloroethene	ug/L	< 2		091510	2	EPA624
Chloroform	ug/L	< 1		091510	1	EPA624
1,2 Dichloroethane	ug/L	< 1		091510	1	EPA624
2-Butanone	ug/L	< 10		091510	10	EPA624
111 Trichloroethane	ug/L	< 1		091510	1	EPA624
Carbon Tetrachloride	ug/L	< 1		091510	1	EPA624
Bromodichloromethane	ug/L	< 1		091510	1	EPA624
1,2 Dichloropropane	ug/L	< 1		091510	1	EPA624
c-1,3Dichloropropene	ug/L	< 1		091510	1	EPA624
Trichloroethene	ug/L	< 1		091510	1	EPA624
Chlorodibromomethane	ug/L	< 1		091510	1	EPA624
112 Trichloroethane	ug/L	< 1		091510	1	EPA624
Benzene	ug/L	1		091510	1	EPA624
t-1,3Dichloropropene	ug/L	< 1		091510	1	EPA624
Bromoform	ug/L	< 1		091510	1	EPA624
4-Methyl-2-Pentanone	ug/L	< 10		091510	10	EPA624

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by EcoTest Labs.
* Collected at 08:30, 10:30, 12:00, and 14:00.

NW
4/29/10 DIRECTOR

rn = 23808 NYSDOH ID # 10320 Page 1 of 2

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

LAB NO.104190.02 10/01/10

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:09/08/10 RECEIVED:09/09/10
TIME COL'D:*
MATRIX:Water SAMPLE: M1-4 Grab Composite, GWL Influent

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2-Hexanone	ug/L	< 10		091510	10	EPA624
Tetrachloroethene	ug/L	< 1		091510	1	EPA624
Toluene	ug/L	< 1		091510	1	EPA624
1122Tetrachloroethane	ug/L	< 1		091510	1	EPA624
Chlorobenzene	ug/L	18		091510	1	EPA624
Ethyl Benzene	ug/L	< 1		091510	1	EPA624
Styrene	ug/L	< 1		091510	1	EPA624
o Xylene	ug/L	< 1		091510	1	EPA624
m + p Xylene	ug/L	< 2		091510	2	EPA624
Xylene	ug/L	< 3		091510	3	EPA624
ter.ButylMethylEther	ug/L	< 1		091510	1	EPA624
Cyanide as CN	mg/L	< 0.02		091310	0.02	EPA335.4
CN amen.to chlorin.	mg/L	< 0.02		091310	0.02	EPA335.4

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was composited by EcoTest Labs.
* Collected at 08:30, 10:30, 12:00, and 14:00.

MW
11/29/10 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.104190.03 10/01/10

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:09/08/10 RECEIVED:09/09/10
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		6.9		091010 1305	0.1	S184500HB
Tot Suspended Solids	mg/L	5		091310	2.5	S182540D
Non-polar Material	mg/L	< 5		091510	5	EPA1664

cc:

LRL=Laboratory Reporting Limit

REMARKS:

11/29/10 DIRECTOR

rn = 23810 NYSDOH ID # 10320 Page 1 of 1

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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.104190.04 10/01/10

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:09/08/10 RECEIVED:09/09/10
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		7.0		091010 1308	0.1	S184500HB
Tot Suspended Solids	mg/L	6		091310	2.5	S182540D
Non-polar Material	mg/L	< 5		091510	5	EPA1664

cc:

LRL=Laboratory Reporting Limit

REMARKS:

11/29/10 DIRECTORY

rn = 23811 NYSDOH ID # 10320 Page 1 of 1

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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

LAB NO.104190.05 10/01/10

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:09/08/10 RECEIVED:09/09/10
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		7.1		091010 1310	0.1	S184500HB
Tot Suspended Solids	mg/L	8		091310	2.5	S182540D
Non-polar Material	mg/L	< 5		091510	5	EPA1664

cc:

LRL=Laboratory Reporting Limit

REMARKS:

MS
11/29/10 DIRECTOR

rn = 23812 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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

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

LAB NO.104190.06 10/01/10

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:09/08/10 RECEIVED:09/09/10
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		7.1		091010 1319	0.1	S184500HB
Tot Suspended Solids	mg/L	7		091310	2.5	S182540D
Non-polar Material	mg/L	< 5		091510	5	EPA1664

cc:

LRL=Laboratory Reporting Limit

REMARKS:

11/29/10 DIRECTOR

rn = 23813 NYSDOH ID # 10320 Page 1 of 1

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

1 cooler

NY QA/QC

GWL INFLUENT

9/8/10

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	9/8/10	8:30	M1 - 8:30 - Grab #1	5	2	1	1	1										TSS, pH, HEM-NPM, CBOD, Chloride,
Water	9/8/10	10:30	M1 - 10:30 - Grab #2	5	2	1	1	1										Cyanide (Total & Amenable), Nitrogen,
Water	9/8/10	12:00	M1 - 12:00 - Grab #3	5	2	1	1	1										VOCs & SVOCs, Benzene, Ethylbenzene,
Water	9/8/10	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:	9/8/10	8:40																Cadmium, Chromium (Total & Hex),
End:	9/9/10	7:40																
																		(EPA 40 CFR Part 136 approved methods)
																		Temp = 1.2°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)
Representing: STRATIS	Date: 9/9/10 Time: 3:30 PM	YES	Representing:	Representing:	Date: 9/9/10 Time: 17:01	YES	Representing:
Relinquished by: (Signature) Representing:	Date: Time:	SEAL INTACT? YES NO NA	Received by: (Signature) Representing:	Relinquished by: (Signature) Representing:	Date: Time:	SEAL INTACT? YES NO NA	Received by: (Signature) Representing:

Appendix C – LFG Inspections

Landfill Gas Management System

LFG-1 Daily Inspections

(July, August and September, 2010)

PENNSYLVANIA AVENUE LANDFILL						Month: **July**					Year: **2010**			**LFG-1**	
		WEATHER				**FLARE TEMPERATURE**							**FLARE STATION**		
DATE	TIME	Weather	Ambient Temp (ºF)	Wind Speed/Direction	Barometric Pressure (in Hg)	Top Flare Temp. (ºF)	Middle Flare Temp. (ºF)	Bottom Flare Temp. (ºF)	Controlling Thermo-couple	Louver Position (% Closed)	Control Temp. (SP)	Control Mode	Flare Inlet Pressure (in WC)	Flame Arrestor Differential Pressure (in WC)	Aux Fuel Pressure (in WC) Natural Gas
1	9:45	Partly Cloudy	70	14/NNW	30.17	1296	0	1341	Bottom	100	1500	Manual	0.25	0.1	0
2	8:29	Sunny	75	16/N	30.24	1354	0	1436	Bottom	100	1500	Manual	0.25	0.1	0
3															
4															
5		Holiday													
6	14:20	Hazy	95	14/S	29.98	1354	1491	1487	Bottom	100	1500	Auto	0.45	0	0
7	10:25	Hazy	96	16/NNE	30.01	1326	0	1408	Bottom	100	1500	Manual	0.57	0	0
8	12:10	Overcast	84	8/S	30.05	1352	1494	1476	Bottom	100	1500	Auto	0.23	0	0
9	9:25	Mostly Cloudy	78	8/SE	30.02	1363	1483	1466	Bottom	100	1500	Manual	0.25	0.1	0
10															
11															
12	7:23	Partly Cloudy	74	7/WSW	29.90	1235	0	1427	Bottom	100	1500	Manual	0.33	0.1	0
13	7:30	Mostly Cloudy	79	8/SE	29.95	1228	0	1387	Bottom	100	1500	Manual	0.29	0	0
14	8:30	Overcast	76	6/E	29.87	1365	1498	1500	Bottom	94	1500	Auto	0.26	0	0
15	7:45	Overcast	73	calm	29.99	1235	0	1352	Bottom	100	1500	Manual	0.26	0	0
16	8:00	Partly Cloudy	75	10/WSW	30.01	1384	1580	1547	Bottom	97	1500	Auto	0.29	0	0
17															
18															
19	8:00	Overcast	82	12/SW	29.85	1463	1544	1489	Bottom	89	1500	Auto	0.47	0	0
20	8:10	Partly Cloudy	76	6/NNW	29.90	1447	0	1511	Bottom	88	1500	Auto	0.29	0	0
21	10:18	Sunny	90	13/SW	29.95	1447	1550	1499	Bottom	89	1500	Auto	0.37	0	0
22	7:55	Sunny	77	10/NW	29.93	1442	0	1477	Bottom	93	1500	Auto	0.40	0	0
23	7:20	Partly Cloudy	75	10/SSE	30.02	1458	0	1500	Bottom	92	1500	Auto	0.39	0	0
24															
25															
26	8:30	Sunny	74	10/NW	30.02	1436	0	1482	Bottom	93	1500	Auto	0.25	0	0
27	9:05	Sunny	77	7/NW	30.11	1436	1554	1555	Bottom	90	1500	Auto	0.25	0	0
28	8:10	Hazy	72	10/SSW	30.06	1468	1581	1518	Bottom	89	1500	Auto	0.33	0	0
29	8:25	Rain	79	10/W	29.89	1481	1572	1483	Bottom	90	1500	Auto	0.36	0	0
30	7:30	Sunny	69	10/N	29.94	1457	1548	1526	Bottom	85	1500	Auto	0.35	0	0
31															

Notes:

PENNSYLVANIA AVENUE LANDFILL		Month: **July**									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	9:45	-8.3	86	0	5.0	1301	0	1341	1	1	0	84	43,729	186,070,558	118,220
2	8:29	-8.2	85	0	5.2	1352	0	1440	2	2	0	82	36,717	186,182,367	118,821
3															119,321
4															118,813
5															117,425
6	14:20	-7.1	77	0	4.9	1351	1480	1486	1	1	1	82	65,502	186,683,636	116,925
7	10:25	-7.4	83	0	4.9	1321	0	1486	1	1	1	82	46,583	186,781,438	116,721
8	12:10	-8.0	81	0	4.8	1344	1489	1476	2	2	2	81	55,717	186,907,449	116,797
9	9:25	-7.8	70	0	5.0	1362	1488	1465	2	2	2	69	35,468	186,994,094	106,974
10															101,491
11															101,572
12	7:23	-8.7	73	0	5.0	1231	0	1427	2	2	1	71	27,349	187,290,984	101,946
13	7:30	-13.7	57	0	4.8	1225	0	1390	2	2	2	55	2,521	187,322,843	56,687
14	8:30	-13.8	72	0	4.9	1370	1513	1502	2	2	2	72	32,164	187,425,817	73,331
15	7:45	-14.2	68	0	4.9	1234	0	1351	2	2	2	66	533	187,458,391	64,205
16	8:00	-15.0	64	0	4.9	1392	1595	1551	2	2	2	62	22,582	187,528,082	47,642
17															84,378
18															91,465
19	8:00	-12.7	62	0	4.9	1462	1542	1488	2	2	2	63	27,620	187,800,828	91,865
20	8:10	-13.0	66	0	4.9	1448	0	1510	2	2	1	64	27,625	187,893,202	92,369
21	10:18	-12.4	66	0	4.9	1440	1558	1501	1	1	1	67	35,912	187,940,690	92,500
22	7:55	-12.0	65	0	5.0	1441	0	1478	2	2	1	68	26,968	188,078,699	93,574
23	7:20	-12.1	62	0	5.0	1457	0	1499	2	2	2	65	24,759	188,169,818	93,328
24															94,402
25															94,418
26	8:30	-11.9	66	0	5.0	1435	0	1483	2	2	1	64	29,561	188,457,664	94,224
27	9:05	-11.2	68	0	5.0	1441	1572	1562	1	1	1	69	32,162	188,554,828	94,563
28	8:10	-11.3	68	0	5.0	1461	1574	1518	2	2	2	67	28,832	188,646,832	95,334
29	8:25	-10.2	68	0	4.9	1479	1570	1482	2	2	2	67	29,756	188,743,712	95,956
30	7:30	-11.3	67	0	5.1	1458	1550	1523	2	2	2	68	25,442	188,835,177	95,779
31															95,342
														1-Aug	95,754
														July 2010 Total Flow:	**2,973,922**

PENNSYLVANIA AVENUE LANDFILL		Month: **July**											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	9:45	302	19.7	18.8	0.0	61.5	-8.8	10	0.1	700	30	86	126	0.0	15075	5.0	15588
2	8:29	302	19.9	19.6	0.0	60.5	-8.7	10	0.1	700	30	84	124	0.0	15075	5.2	15611
3																	
4																	
5																	
6	14:20	302	20.4	18.2	0.0	61.4	-7.4	10	0.1	750	30	98	140	0.0	15075	4.9	15713
7	10:25	302	20.6	18.8	0.0	60.6	-7.4			700	35	96	138	0.0	15075	4.8	15733
8	12:10	302	20.3	19.1	0.0	60.6	-7.7	10	0	750	30	95	138	0.0	15075	4.8	15759
9	9:25	301	20.1	19.4	0.0	60.5	-7.7	10	0	600	30	91	136	5.0	15096	0.0	15759
10																	
11																	
12	7:23	301	20.9	19.6	0.3	59.2	-7.9	10	0	600	30	90	139	5.0	15166	0.0	15759
13	7:30	302	21.1	17.7	0.5	60.7	-14.4	10	0	500	30	104	98	0.0	15173	4.8	15759
14	8:30	302	15.2	14.0	0.1	70.7	-15.0	10	0	500	30	92	135	0.0	15173	4.9	15784
15	7:45	302	14.8	13.7	0.5	71.0	-14.2	10	0	500	30	98	100	0.0	15173	4.9	15791
16	8:00	301	15.0	13.5	0.4	71.1	-13.8	10	0	400	30	102	104	4.9	15173	0.0	15807
17																	
18																	
19	8:00	301	16.1	14.2	0.6	69.1	-12.8	10	0	400	30	94	136	4.9	15245	0.0	15807
20	8:10	301	15.1	14.9	0.7	69.3	-13.2	10	0	400	30	94	140	4.9	15269	0.0	15807
21	10:18	301	15.7	14.3	0.9	69.1	-12.1	10	0	400	30	93	138	4.9	15295	0.0	15807
22	7:55	301	14.4	13.8	1.6	70.2	-12.4	10	0	400	30	92	136	5.0	15316	0.0	15807
23	7:20	301	12.8	12.5	3.9	70.8	-12.2	10	0	400	30	93	140	5.0	15340	0.0	15807
24																	
25																	
26	8:30	301	13.9	14.7	1.3	70.1	-11.8	10	0	400	30	90	140	5.0	15413	0.0	15807
27	9:05	301	15.1	15.0	0.8	69.1	-11.7	10	0	400	30	92	142	5.0	15438	0.0	15807
28	8:10	301	14.9	14.5	1.5	69.1	-11.4	10	0	400	30	91	136	5.0	15461	0.0	15807
29	8:25	301	16.9	15.2	0.7	67.2	-11.5	10	0	400	30	92	135	4.9	15485	0.0	15807
30	7:30	301	14.7	14.6	1.0	69.7	-11.5	10	0	400	30	88	130	5.1	15508	0.0	15807
31																	

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

Date		Landfill Gas System			Landfill - Cover & Stormwater Systems, Roads, etc.
		Hours On Line	Flare	LFG Collection - Extraction Wells	
Thursday	1-Jul	24	The flare processed 2,996,388 cubic feet of landfill gas during this month.	Continued extraction well water intrusion investigation and started sounding the wells.	Mowed swales and weed-wacked culverts and outlets. Started cutting and removing invasive species trees.
Friday	2-Jul	24			
Weekend	3-Jul	24			
	4-Jul	24	Due to the low methane content of the landfill gas approximately 300,000 cubic feet of supplemental natural gas were burned during the month.		Repairs to the roads and nature trails were completed.
Monday	5-Jul	24		All 46 extraction wells were monitored and inspected.	
Tuesday	6-Jul	24			
Wednesday	7-Jul	24			
Thursday	8-Jul	24			
Friday	9-Jul	24			
Weekend	10-Jul	24			
	11-Jul	24			
Monday	12-Jul	24			
Tuesday	13-Jul	24			
Wednesday	14-Jul	24			
Thursday	15-Jul	24			
Friday	16-Jul	24			
Weekend	17-Jul	24			
	18-Jul	24			
Monday	19-Jul	24			
Tuesday	20-Jul	24			
Wednesday	21-Jul	24			
Thursday	22-Jul	24			
Friday	23-Jul	24			
Weekend	24-Jul	24			
	25-Jul	24			
Monday	26-Jul	24			
Tuesday	27-Jul	24			
Wednesday	28-Jul	24			
Thursday	29-Jul	24			
Friday	30-Jul	24			
Saturday	31-Jul	24			

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

Date	7/1/10	**Time**	9:45 AM
Technician	MOG	Wind Speed/Direction	14 NNW (20 Gusts)
Ambient Temperature (°F)	70	Barometric Pressure (in Hg)	
Weather	MOSTLY SUNNY & BREEZY	**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)	19.7		Nitrogen Pressure (psi)	700
Carbon Dioxide (% Vol)	18.8		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.0		Blower Inlet Temp. (°F)	86
Balance Gas (% Vol)			Blower Discharge Temp. (°F)	126
Inlet Vacuum (in WC)	-8.8			

FLARE STATION		CH_4 / CO_2 / O_2
Flare Inlet Pressure (in WC)	+0.25	20.1 / 19.1 / 0.0
Flame Arrestor Differential Pressure (in WC)	~~0.07~~	0.1
Aux Fuel Pressure (in WC) - Natural Gas	0	(VALVE CLOSED

FLAME IS CLEAR WITH NO VISIBLE EMISSIONS

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	-8.3	Top Flare Temp. (°F)	1296
Flow Rate (SCFM)	86	Middle Flare Temp. (°F)	—
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1341
Blower Current (Amps)	5.0	Controlling Thermocouple	BOTTOM
Flare Top Temp. (°F)	1301	Louver Position (% Closed)	100
Flare Middle Temp. (°F)	—	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1341	Control Mode	MANUAL
Area LEL (%)	1	(AUTO) → DUE TO SWITCH IN T.C. control	

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0	Current Flow (SCFM)	84
Blower **301** Current **(Hours)**	15075	Today's Total Flow (SCF)	43729
Blower **302** Current **(Amps)**	155885	Total Flow (SCF)	186070558
Blower **302** Current **(Hours)**	5.0		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	118220	Resettable Total Flow (SCF)	75386364
2 Days Ago Flow (SCF)	115724	Reset Time	11:33:03
3 Days Ago Flow (SCF)	115266	Reset Date	11/21/08
4 Days Ago Flow (SCF)	116668		
5 Days Ago Flow (SCF)	117488	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	117310	Area #**1** LEL	1
7 Days Ago Flow (SCF)	116481	Area #**2** LEL	0

Date And Time			
Date	1-July-2010	Time	9:49:15

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	7/2/10	**Time**	8:29
Technician	Tony	Wind Speed/Direction	
Ambient Temperature (°F)	75	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)	19.9		Nitrogen Pressure (psi)	700
Carbon Dioxide (% Vol)	19.6		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	6		Blower Inlet Temp. (°F)	84
Balance Gas (% Vol)	60.5		Blower Discharge Temp. (°F)	124
Inlet Vacuum (in WC)	-8.7			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.25	
Flame Arrestor Differential Pressure (in WC)	0.1	
Aux Fuel Pressure (in WC) - Natural Gas	0	
Flame Clear with No Visible Emissions		

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	8.2	Top Flare Temp. (°F)	1354
Flow Rate (SCFM)	85	Middle Flare Temp. (°F)	-
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1436
Blower Current (Amps)	5.2	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1352	Louver Position (% Closed)	100
Flare Middle Temp. (°F)	-	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1440	Control Mode	MAN
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)	36717
Blower **302** Current **(Amps)**	5.2	Total Flow (SCF)	1861 82567
Blower **302** Current **(Hours)**	15611		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	118821	Resettable Total Flow (SCF)	2754882534
2 Days Ago Flow (SCF)	118220	Reset Time	11 33 3
3 Days Ago Flow (SCF)	115724	Reset Date	11 21 08
4 Days Ago Flow (SCF)	115266		
5 Days Ago Flow (SCF)	116668	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	117488	Area #1 LEL	2
7 Days Ago Flow (SCF)	117310	Area #2 LEL	0

Date And Time			
Date	2 July 10	Time	7 22 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	7/6/10	**Time**	2:20 PM
Technician	MOG	Wind Speed/Direction	
Ambient Temperature (°F)		Barometric Pressure (in Hg)	
Weather	HAZY & HOT	**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)	750
Carbon Dioxide (% Vol)	18.2		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.0		Blower Inlet Temp. (°F)	98
Balance Gas (% Vol)			Blower Discharge Temp. (°F)	140
Inlet Vacuum (in WC)	-7.42			

FLARE STATION		
Flare Inlet Pressure (in WC)	+0.45	20.6 / 18.4 / 0.0
Flame Arrestor Differential Pressure (in WC)	0	2
Aux Fuel Pressure (in WC) - Natural Gas	0	
Flame clear - no visible emissions or smoke.		

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	7.1	Top Flare Temp. (°F)	1354
Flow Rate (SCFM)	77	Middle Flare Temp. (°F)	1491
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1487
Blower Current (Amps)	4.9	Controlling Thermocouple	BOTTOM
Flare Top Temp. (°F)	1357	Louver Position (% Closed)	100
Flare Middle Temp. (°F)	1480	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1486	Control Mode	AUTO
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)	65502
Blower **302** Current **(Amps)**	4.9	Total Flow (SCF)	186836 36
Blower **302** Current **(Hours)**	1571.3		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	116925	Resettable Total Flow (SCF)	75999520
2 Days Ago Flow (SCF)	117425	Reset Time	11:33:03
3 Days Ago Flow (SCF)	118813	Reset Date	11/21/08
4 Days Ago Flow (SCF)	119321		
5 Days Ago Flow (SCF)	118821	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	118220	Area #**1** LEL	1
7 Days Ago Flow (SCF)	115724	Area #**2** LEL	1

Date And Time			
Date	6-July-10	Time	13:28:19

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	7-7-10.	**Time**	10:25a
Technician	E. McLEAN.	Wind Speed/Direction	
Ambient Temperature (°F)		Barometric Pressure (in Hg)	
Weather	HAZY, HOT, HUMID.	**GEM I.D.**	

BLOWER STATION				
Blowers Status **301** (circle)	On	Off	Demister Inlet Valve Position (% Open)	
Blowers Status **302** (circle)	(On)	Off	Demister Differential Pressure (in WC)	
Methane (% Vol)	20.6		Nitrogen Pressure (psi)	700
Carbon Dioxide (% Vol)	18.8		Blower Inlet Valve (% Open)	35
Oxygen (% Vol)	0.0		Blower Inlet Temp. (°F)	96
Balance Gas (% Vol)	60.5		Blower Discharge Temp. (°F)	138
Inlet Vacuum (in WC)	-7.40			

FLARE STATION		
Flare Inlet Pressure (in WC)	+0.57	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	7.4	Top Flare Temp. (°F)	1326
Flow Rate (SCFM)	83	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0.0	Bottom Flare Temp. (°F)	1408
Blower Current (Amps)	4.4	Controlling Thermocouple	BOTTOM
Flare Top Temp. (°F)	1321	Louver Position (% Closed)	100
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1486	Control Mode	MANUAL
Area LEL (%)	1		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0.0	Current Flow (SCFM)	83
Blower **301** Current **(Hours)**	15075	Today's Total Flow (SCF)	46583
Blower **302** Current **(Amps)**	4.8	Total Flow (SCF)	186781438
Blower **302** Current **(Hours)**	15733		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	116721	Resettable Total Flow (SCF)	76097330
2 Days Ago Flow (SCF)	116925	Reset Time	11-33-3
3 Days Ago Flow (SCF)	117425	Reset Date	11-21-08
4 Days Ago Flow (SCF)	118813		
5 Days Ago Flow (SCF)	119321	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	118831	Area **#1** LEL	i
7 Days Ago Flow (SCF)	118220	Area **#2** LEL	1

Date And Time			
Date	7-Jul. 10.	Time	9:37:01 (10:37:01)

KEY

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

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

Date	7/8/10	**Time**	12:10 PM
Technician		Wind Speed/Direction	
Ambient Temperature (°F)		Barometric Pressure (in Hg)	
Weather	M.Cloudy / Hot / Humid (overcast)	**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)	NA *
Methane (% Vol)	20.3		Nitrogen Pressure (psi)	750
Carbon Dioxide (% Vol)	19.1		Blower Inlet Valve (% Open)	30%
Oxygen (% Vol)	0.0		Blower Inlet Temp. (°F)	95
Balance Gas (% Vol)	60.6		Blower Discharge Temp. (°F)	138
Inlet Vacuum (in WC)	-7.73		* LOST CONDENSATE PRINTOUT *	

FLARE STATION		CH_4 / CO_2 / O_2
Flare Inlet Pressure (in WC)	+0.226	20.5 / 19.1 / 0.0
Flame Arrestor Differential Pressure (in WC)	*	NA
Aux Fuel Pressure (in WC) - Natural Gas	0	

85°F

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	8.0	Top Flare Temp. (°F)	1352
Flow Rate (SCFM)	81	Middle Flare Temp. (°F)	1494
LFG Oxygen (%)	0.0	Bottom Flare Temp. (°F)	1476
Blower Current (Amps)	4.8	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1344	Louver Position (% Closed)	100
Flare Middle Temp. (°F)	1489	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1476	Control Mode	Auto
Area LEL (%)	2		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0.0	Current Flow (SCFM)	81
Blower **301** Current **(Hours)**	15075	Today's Total Flow (SCF)	55717
Blower **302** Current **(Amps)**	4.8	Total Flow (SCF)	186907449
Blower **302** Current **(Hours)**	15759		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	116797	Resettable Total Flow (SCF)	76223257
2 Days Ago Flow (SCF)	116721	Reset Time	11:33:03
3 Days Ago Flow (SCF)	116925	Reset Date	11/21/08
4 Days Ago Flow (SCF)	117425		
5 Days Ago Flow (SCF)	118813	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	119321	Area #**1** LEL	2
7 Days Ago Flow (SCF)	118821	Area #**2** LEL	2

Date And Time			
Date	8-Jul-10	Time	11:23:25 (12:23)

* Could not get reading

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	7/9/10	**Time**	9:25
Technician	NS	Wind Speed/Direction	8/SE
Ambient Temperature (°F)	78	Barometric Pressure (in Hg)	30.02
Weather	Mostly 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)	NA
Methane (% Vol)	20.1		Nitrogen Pressure (psi)	~~200~~ 600
Carbon Dioxide (% Vol)	19.4		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0		Blower Inlet Temp. (°F)	91
Balance Gas (% Vol)	60.4		Blower Discharge Temp. (°F)	136
Inlet Vacuum (in WC)	-7.749			

FLARE STATION		
Flare Inlet Pressure (in WC)	+0.245	
Flame Arrestor Differential Pressure (in WC)	0.1	
Aux Fuel Pressure (in WC) - Natural Gas		

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	-7.8	Top Flare Temp. (°F)	1363
Flow Rate (SCFM)	70	Middle Flare Temp. (°F)	1483
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1466
Blower Current (Amps)	5.0	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1362	Louver Position (% Closed)	100
Flare Middle Temp. (°F)	1488	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1465	Control Mode	Manual
Area LEL (%)	2		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	~~0~~ 5.0	Current Flow (SCFM)	69
Blower **301** Current **(Hours)**	15096	Today's Total Flow (SCF)	35468
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	186994094
Blower **302** Current **(Hours)**	15259		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	106974	Resettable Total Flow (SCF)	76309819
2 Days Ago Flow (SCF)	116797	Reset Time	11:33:3
3 Days Ago Flow (SCF)	116721	Reset Date	11/21/08
4 Days Ago Flow (SCF)	110925		
5 Days Ago Flow (SCF)	117425	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	118813	Area #1 LEL	2
7 Days Ago Flow (SCF)	119321	Area #2 LEL	2

Date And Time			
Date	09-JUL-10	Time	9:23:07

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	7/12/10	**Time**	7:23
Technician	NS	Wind Speed/Direction	7 WSW
Ambient Temperature (°F)	74	Barometric Pressure (in Hg)	29.90
Weather	Partly cloudy	**GEM I.D.**	GM090887

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)	600
Carbon Dioxide (% Vol)	19.6		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.3		Blower Inlet Temp. (°F)	90
Balance Gas (% Vol)	59.2		Blower Discharge Temp. (°F)	139
Inlet Vacuum (in WC)	-7.900			

FLARE STATION		
Flare Inlet Pressure (in WC)	2.330	
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)	1235
Flow Rate (SCFM)	73	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1427
Blower Current (Amps)	5.0	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1231	Louver Position (% Closed)	100
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1427	Control Mode	Manual
Area LEL (%)	2		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.0	Current Flow (SCFM)	71
Blower **301** Current **(Hours)**	15166	Today's Total Flow (SCF)	27349
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	187290984
Blower **302** Current **(Hours)**	15759		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	101946	Resettable Total Flow (SCF)	76606850
2 Days Ago Flow (SCF)	101572	Reset Time	11133:3
3 Days Ago Flow (SCF)	101491	Reset Date	11/21/08
4 Days Ago Flow (SCF)	106974		
5 Days Ago Flow (SCF)	116797	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	116721	Area #**1** LEL	2
7 Days Ago Flow (SCF)	116925	Area #**2** LEL	1

Date And Time			
Date	12-JUL-10	Time	7:24:41

KEY

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

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

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

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

Date	7/13/10	**Time**	7:30
Technician	NS	Wind Speed/Direction	9 SE
Ambient Temperature (°F)	79	Barometric Pressure (in Hg)	29.95
Weather	Mostly cloudy / Rain	**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)	21.1		Nitrogen Pressure (psi)	500
Carbon Dioxide (% Vol)	17.7		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.5		Blower Inlet Temp. (°F)	104
Balance Gas (% Vol)	62.2		Blower Discharge Temp. (°F)	98
Inlet Vacuum (in WC)	-14.425			
Flare shut down 7/12/10 at 13:15				

FLARE STATION		
Flare Inlet Pressure (in WC)	0.289	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	-13.7	Top Flare Temp. (°F)	1228
Flow Rate (SCFM)	57	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1387
Blower Current (Amps)	4.8	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1225	Louver Position (% Closed)	100
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1390	Control Mode	Manual
Area LEL (%)	2		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	~~4.8~~ 0	Current Flow (SCFM)	55
Blower **301** Current **(Hours)**	15173	Today's Total Flow (SCF)	2521
Blower **302** Current **(Amps)**	4.8	Total Flow (SCF)	187322843
Blower **302** Current **(Hours)**	15759		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	56687	Resettable Total Flow (SCF)	76638568
2 Days Ago Flow (SCF)	101946	Reset Time	11:33:3
3 Days Ago Flow (SCF)	101572	Reset Date	11/21/08
4 Days Ago Flow (SCF)	101491		
5 Days Ago Flow (SCF)	106974	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	116797	Area #**1** LEL	2
7 Days Ago Flow (SCF)	116721	Area #**2** LEL	2

Date And Time			
Date	13-JUL-10	Time	7:30:11

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	7/14/10	**Time**	7:30
Technician	NS	Wind Speed/Direction	6 E
Ambient Temperature (°F)	76	Barometric Pressure (in Hg)	29.87
Weather	Overcast/Rain	**GEM I.D.**	GM0880 87

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)	15.2		Nitrogen Pressure (psi)	500
Carbon Dioxide (% Vol)	14.0		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.1		Blower Inlet Temp. (°F)	92
Balance Gas (% Vol)	70.5		Blower Discharge Temp. (°F)	135
Inlet Vacuum (in WC)	-15.021			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.264	
Flame Arrestor Differential Pressure (in WC)	0.0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	13.8	Top Flare Temp. (°F)	1365
Flow Rate (SCFM)	72	Middle Flare Temp. (°F)	1498
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1500
Blower Current (Amps)	4.9	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1370	Louver Position (% Closed)	94
Flare Middle Temp. (°F)	1513	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1502	Control Mode	Auto
Area LEL (%)	2		

Blower Data		**Flow & Totalizer**	
Blower **301** Current (**Amps**)	0	Current Flow (SCFM)	72
Blower **301** Current (**Hours**)	15173	Today's Total Flow (SCF)	32164
Blower **302** Current (**Amps**)	4.9	Total Flow (SCF)	187425817
Blower **302** Current (**Hours**)	15784		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	73331	Resettable Total Flow (SCF)	7674154
2 Days Ago Flow (SCF)	56687	Reset Time	11:33:3
3 Days Ago Flow (SCF)	101946	Reset Date	11/21/08
4 Days Ago Flow (SCF)	101572		
5 Days Ago Flow (SCF)	101491	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	106974	Area #**1** LEL	2
7 Days Ago Flow (SCF)	116797	Area #**2** LEL	2

Date And Time			
Date	14-JUL-10	Time	7:32:05

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	7/15/10	**Time**	7145
Technician	NS	Wind Speed/Direction	
Ambient Temperature (°F)	73	Barometric Pressure (in Hg)	29.99
Weather	overcast	**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)	14.8		Nitrogen Pressure (psi)	500
Carbon Dioxide (% Vol)	13.7		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.5		Blower Inlet Temp. (°F)	98
Balance Gas (% Vol)	70.6		Blower Discharge Temp. (°F)	100
Inlet Vacuum (in WC)	-14.239			
Flare Flame Fail at 15:00 7/14/10				

FLARE STATION		
Flare Inlet Pressure (in WC)	0.255	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	14.2	Top Flare Temp. (°F)	1235
Flow Rate (SCFM)	68	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1352
Blower Current (Amps)	4.9	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1234	Louver Position (% Closed)	100
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1351	Control Mode	Manual
Area LEL (%)	2		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	0	Current Flow (SCFM)	66
Blower **301** Current **(Hours)**	15173	Today's Total Flow (SCF)	533
Blower **302** Current **(Amps)**	4.9	Total Flow (SCF)	187458391
Blower **302** Current **(Hours)**	15791		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	64205	Resettable Total Flow (SCF)	~~64205~~ 76774183
2 Days Ago Flow (SCF)	73331	Reset Time	11:33:3
3 Days Ago Flow (SCF)	56687	Reset Date	11/21/08
4 Days Ago Flow (SCF)	101946		
5 Days Ago Flow (SCF)	101572	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	101491	Area #**1** LEL	2
7 Days Ago Flow (SCF)	106974	Area #**2** LEL	2

Date And Time			
Date	15-JUL-10	Time	7:47:15

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	7/16/10	**Time**	8:00
Technician	NS	Wind Speed/Direction	10 WSW
Ambient Temperature (°F)	75	Barometric Pressure (in Hg)	30.01
Weather	Overcast -> partly cloudy	**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)	15.0		Nitrogen Pressure (psi)	400
Carbon Dioxide (% Vol)	13.5		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.4		Blower Inlet Temp. (°F)	102
Balance Gas (% Vol)	71.0		Blower Discharge Temp. (°F)	104
Inlet Vacuum (in WC)	-13.767			
High Temp Alarm - Flare shutdown at 5:58 am on 7/16/10				

FLARE STATION		
Flare Inlet Pressure (in WC)	0.288	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	15.0	Top Flare Temp. (°F)	1384
Flow Rate (SCFM)	64	Middle Flare Temp. (°F)	1580
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1547
Blower Current (Amps)	4.9	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1392	Louver Position (% Closed)	97
Flare Middle Temp. (°F)	1595	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1551	Control Mode	Auto
Area LEL (%)	2		

Blower Data		**Flow & Totalizer**	
Blower **301** Current (**Amps**)	~~3~~ 4.9	Current Flow (SCFM)	62
Blower **301** Current (**Hours**)	15173	Today's Total Flow (SCF)	22582
Blower **302** Current (**Amps**)	0	Total Flow (SCF)	18752 8082
Blower **302** Current (**Hours**)	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	47642	Resettable Total Flow (SCF)	76843867
2 Days Ago Flow (SCF)	64205	Reset Time	11:33:3
3 Days Ago Flow (SCF)	73331	Reset Date	11/21/08
4 Days Ago Flow (SCF)	56687		
5 Days Ago Flow (SCF)	101946	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	101572	Area #1 LEL	2
7 Days Ago Flow (SCF)	101491	Area #2 LEL	2

Date And Time			
Date	16-JUL-10	Time	8:39:41

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

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

Date	7/19/10	**Time**	800
Technician	Ray	Wind Speed/Direction	
Ambient Temperature (°F)	88	Barometric Pressure (in Hg)	
Weather	OVERCAST	**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)	16.1		Nitrogen Pressure (psi)	400
Carbon Dioxide (% Vol)	14.2		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.6		Blower Inlet Temp. (°F)	94
Balance Gas (% Vol)	68.8		Blower Discharge Temp. (°F)	136
Inlet Vacuum (in WC)	-12.8			

FLARE STATION		
Flare Inlet Pressure (in WC)	.467	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	12.7	Top Flare Temp. (°F)	1463
Flow Rate (SCFM)	62	Middle Flare Temp. (°F)	1544
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1487
Blower Current (Amps)	4.9	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1462	Louver Position (% Closed)	89
Flare Middle Temp. (°F)	1542	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1488	Control Mode	AUTO
Area LEL (%)	2		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	4.9	Current Flow (SCFM)	63
Blower **301** Current **(Hours)**	15245	Today's Total Flow (SCF)	27620
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	1878000+28
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	91865	Resettable Total Flow (SCF)	7711668+2
2 Days Ago Flow (SCF)	91465	Reset Time	11 33 3
3 Days Ago Flow (SCF)	84378	Reset Date	11 21 08
4 Days Ago Flow (SCF)	47642		
5 Days Ago Flow (SCF)	64205	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	73331	Area #1 LEL	2
7 Days Ago Flow (SCF)	56687	Area #2 LEL	2

Date And Time			
Date	19 July 10	Time	7:12:56

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	7/20/10	**Time**	8:10
Technician	NS	Wind Speed/Direction	6 NNW
Ambient Temperature (°F)	76	Barometric Pressure (in Hg)	29.9
Weather	Partly cloudy	**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)	15.1		Nitrogen Pressure (psi)	400
Carbon Dioxide (% Vol)	14.4		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.7		Blower Inlet Temp. (°F)	94
Balance Gas (% Vol)	69.6		Blower Discharge Temp. (°F)	140
Inlet Vacuum (in WC)	-13.240			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.293	
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)	13.0	Top Flare Temp. (°F)	1447
Flow Rate (SCFM)	66	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1511
Blower Current (Amps)	4.9	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1448	Louver Position (% Closed)	88
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1510	Control Mode	Auto
Area LEL (%)	2		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	4.9	Current Flow (SCFM)	64
Blower **301** Current **(Hours)**	15269	Today's Total Flow (SCF)	27625
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	18789300
Blower **302** Current **(Hours)**	13807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	92369	Resettable Total Flow (SCF)	77208991
2 Days Ago Flow (SCF)	91865	Reset Time	11:33:5
3 Days Ago Flow (SCF)	91465	Reset Date	11/21/08
4 Days Ago Flow (SCF)	84378		
5 Days Ago Flow (SCF)	47642	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	64205	Area #1 LEL	2
7 Days Ago Flow (SCF)	73331	Area #2 LEL	1

Date And Time			
Date	20-JUL-10	Time	8:11:15

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	7/21/10	**Time**	10 15
Technician	Ray	Wind Speed/Direction	
Ambient Temperature (°F)	90	Barometric Pressure (in Hg)	
Weather	Sunny	**GEM I.D.**	

BLOWER STATION				
Blowers Status **301** (circle)	(On)	Off	Demister Inlet Valve Position (% Open)	10
Blowers Status **302** (circle)	On	(Off)	Demister Differential Pressure (in WC)	0
Methane (% Vol)	55.7		Nitrogen Pressure (psi)	400
Carbon Dioxide (% Vol)	14.3		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.9		Blower Inlet Temp. (°F)	93
Balance Gas (% Vol)	69.0		Blower Discharge Temp. (°F)	138
Inlet Vacuum (in WC)	-12.141			

FLARE STATION		
Flare Inlet Pressure (in WC)	-3.701	
Flame Arrestor Differential Pressure (in WC)	0.1	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	12.4	Top Flare Temp. (°F)	1447
Flow Rate (SCFM)	66	Middle Flare Temp. (°F)	1550
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1499
Blower Current (Amps)	4.9	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1440	Louver Position (% Closed)	45
Flare Middle Temp. (°F)	1558	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1501	Control Mode	Auto
Area LEL (%)	1		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	4.9	Current Flow (SCFM)	67
Blower **301** Current **(Hours)**	15295	Today's Total Flow (SCF)	35812
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	1879069
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	92500	Resettable Total Flow (SCF)	7730927
2 Days Ago Flow (SCF)	92369	Reset Time	11 33
3 Days Ago Flow (SCF)	91865	Reset Date	11 21 08
4 Days Ago Flow (SCF)	91465		
5 Days Ago Flow (SCF)	84378	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	47642	Area #1 LEL	1
7 Days Ago Flow (SCF)	64205	Area #2 LEL	1

Date And Time			
Date	7/21/10	Time	9 14 42

KEY

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

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

Date	7/22/10	**Time**	7:55am
Technician	NS	Wind Speed/Direction	10 NW
Ambient Temperature (°F)	77	Barometric Pressure (in Hg)	29.93
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)	14.4		Nitrogen Pressure (psi)	400
Carbon Dioxide (% Vol)	13.8		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	1.6		Blower Inlet Temp. (°F)	92
Balance Gas (% Vol)	69.8		Blower Discharge Temp. (°F)	136
Inlet Vacuum (in WC)	-12.447			

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

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	-12.0	Top Flare Temp. (°F)	1442
Flow Rate (SCFM)	65	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1477
Blower Current (Amps)	5.0	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1441	Louver Position (% Closed)	93
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1478	Control Mode	Auto
Area LEL (%)	2		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.0	Current Flow (SCFM)	68
Blower **301** Current **(Hours)**	15316	Today's Total Flow (SCF)	~~29~~ 26968
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	1880278699
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	93574	Resettable Total Flow (SCF)	77394492
2 Days Ago Flow (SCF)	92580	Reset Time	11:33:3
3 Days Ago Flow (SCF)	92369	Reset Date	11/21/08
4 Days Ago Flow (SCF)	91865		
5 Days Ago Flow (SCF)	91465	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	84378	Area #1 LEL	2
7 Days Ago Flow (SCF)	47642	Area #2 LEL	1

Date And Time			
Date	22-JUL-10	Time	7:57:52

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	7/23/10	**Time**	7:20
Technician	NS	Wind Speed/Direction	10 SSE
Ambient Temperature (°F)	75	Barometric Pressure (in Hg)	30.02
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)	12.8		Nitrogen Pressure (psi)	400
Carbon Dioxide (% Vol)	12.5		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	3.9		Blower Inlet Temp. (°F)	93
Balance Gas (% Vol)	70.6		Blower Discharge Temp. (°F)	140
Inlet Vacuum (in WC)	-12.198			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.385	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	12.1	Top Flare Temp. (°F)	1458
Flow Rate (SCFM)	62	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	9	Bottom Flare Temp. (°F)	1500
Blower Current (Amps)	5.0	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1457	Louver Position (% Closed)	92
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1499	Control Mode	Auto
Area LEL (%)	2		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.0	Current Flow (SCFM)	65
Blower **301** Current **(Hours)**	15340	Today's Total Flow (SCF)	94759
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	188169818
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	93328	Resettable Total Flow (SCF)	77485609
2 Days Ago Flow (SCF)	93574	Reset Time	11:33:3
3 Days Ago Flow (SCF)	92580	Reset Date	11/21/08
4 Days Ago Flow (SCF)	92369		
5 Days Ago Flow (SCF)	91865	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	91465	Area #**1** LEL	2
7 Days Ago Flow (SCF)	84378	Area #**2** LEL	2

Date And Time			
Date	23-JUL-10	Time	7:19:31

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	7/26/10	**Time**	8:30
Technician	NS	Wind Speed/Direction	10 NW
Ambient Temperature (°F)	74	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)	13.9		Nitrogen Pressure (psi)	400
Carbon Dioxide (% Vol)	14.7		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	1.3		Blower Inlet Temp. (°F)	90
Balance Gas (% Vol)	69.8		Blower Discharge Temp. (°F)	140
Inlet Vacuum (in WC)	-11.81			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.248	
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)	-11.9	Top Flare Temp. (°F)	1436
Flow Rate (SCFM)	66	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1482
Blower Current (Amps)	5.0	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1435	Louver Position (% Closed)	93
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1483	Control Mode	Auto
Area LEL (%)	2		

Blower Data		**Flow & Totalizer**	
Blower **301** Current (**Amps**)	5.0	Current Flow (SCFM)	64
Blower **301** Current (**Hours**)	14413	Today's Total Flow (SCF)	29561
Blower **302** Current (**Amps**)	0	Total Flow (SCF)	188457664
Blower **302** Current (**Hours**)	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	94224	Resettable Total Flow (SCF)	77773456
2 Days Ago Flow (SCF)	94418	Reset Time	11:33:03
3 Days Ago Flow (SCF)	94402	Reset Date	11/21/08
4 Days Ago Flow (SCF)	93328		
5 Days Ago Flow (SCF)	93574	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	92580	Area #**1** LEL	2
7 Days Ago Flow (SCF)	92369	Area #**2** LEL	1

Date And Time			
Date	~~26~~ 26-JUL-10	Time	8:30:14

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	7/27/10	**Time**	9:05
Technician	NS	Wind Speed/Direction	7 NW
Ambient Temperature (°F)	77	Barometric Pressure (in Hg)	30.11
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)	15.1		Nitrogen Pressure (psi)	400
Carbon Dioxide (% Vol)	15.0		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.8		Blower Inlet Temp. (°F)	92
Balance Gas (% Vol)	69.1		Blower Discharge Temp. (°F)	142
Inlet Vacuum (in WC)	-11.717			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.251	
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)	-11.2	Top Flare Temp. (°F)	1436
Flow Rate (SCFM)	68	Middle Flare Temp. (°F)	1554
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1555
Blower Current (Amps)	5.0	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1441	Louver Position (% Closed)	90
Flare Middle Temp. (°F)	1572	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1562	Control Mode	Auto
Area LEL (%)	1		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.0	Current Flow (SCFM)	69
Blower **301** Current **(Hours)**	15438	Today's Total Flow (SCF)	32162
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	188554828
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	94563	Resettable Total Flow (SCF)	77870621
2 Days Ago Flow (SCF)	94224	Reset Time	11:35:3
3 Days Ago Flow (SCF)	94418	Reset Date	
4 Days Ago Flow (SCF)	94402		
5 Days Ago Flow (SCF)	95328	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	93574	Area #**1** LEL	1
7 Days Ago Flow (SCF)	92580	Area #**2** LEL	1

Date And Time			
Date	27-JUL-10	Time	9:07:19

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	7/28/10	**Time**	8:10
Technician	NS	Wind Speed/Direction	10 SSW
Ambient Temperature (°F)	72	Barometric Pressure (in Hg)	30.06
Weather	Hot/Hazy	**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)	14.9		Nitrogen Pressure (psi)	400
Carbon Dioxide (% Vol)	14.5		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	1.5		Blower Inlet Temp. (°F)	91
Balance Gas (% Vol)	68.8		Blower Discharge Temp. (°F)	136
Inlet Vacuum (in WC)	-11.418			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.327	
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)	11.3	Top Flare Temp. (°F)	1468
Flow Rate (SCFM)	68	Middle Flare Temp. (°F)	1581
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1518
Blower Current (Amps)	5.0	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1461	Louver Position (% Closed)	89
Flare Middle Temp. (°F)	1574	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1518	Control Mode	Auto
Area LEL (%)	2		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.0	Current Flow (SCFM)	67
Blower **301** Current **(Hours)**	15461	Today's Total Flow (SCF)	28832
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	188646832
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	95334	Resettable Total Flow (SCF)	7796257
2 Days Ago Flow (SCF)	94563	Reset Time	11:33:3
3 Days Ago Flow (SCF)	94274	Reset Date	11/21/08
4 Days Ago Flow (SCF)	94418		
5 Days Ago Flow (SCF)	94402	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	93328	Area #**1** LEL	2
7 Days Ago Flow (SCF)	93574	Area #**2** LEL	2

Date And Time			
Date	28-JUL-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	7/29/10	**Time**	8:25
Technician	NS	Wind Speed/Direction	10 W
Ambient Temperature (°F)	79	Barometric Pressure (in Hg)	29.89
Weather	Overcast/Rain	**GEM I.D.**	GM09087

BLOWER STATION				
Blowers Status **301** (circle)	(On)	Off	Demister Inlet Valve Position (% Open)	10
Blowers Status **302** (circle)	On	(Off)	Demister Differential Pressure (in WC)	0
Methane (% Vol)	16.9		Nitrogen Pressure (psi)	400
Carbon Dioxide (% Vol)	15.2		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.7		Blower Inlet Temp. (°F)	92
Balance Gas (% Vol)	67.0		Blower Discharge Temp. (°F)	135*
Inlet Vacuum (in WC)	-11.478			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.360	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	10.2	Top Flare Temp. (°F)	1481
Flow Rate (SCFM)	68	Middle Flare Temp. (°F)	1572
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1483
Blower Current (Amps)	4.9	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1479	Louver Position (% Closed)	90
Flare Middle Temp. (°F)	1570	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1482	Control Mode	Auto
Area LEL (%)	2		

Blower Data		**Flow & Totalizer**	
Blower **301** Current (**Amps**)	4.9	Current Flow (SCFM)	67
Blower **301** Current (**Hours**)	15485	Today's Total Flow (SCF)	29856
Blower **302** Current (**Amps**)	0	Total Flow (SCF)	188743712
Blower **302** Current (**Hours**)	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	95956	Resettable Total Flow (SCF)	78059437
2 Days Ago Flow (SCF)	95334	Reset Time	15:33:3
3 Days Ago Flow (SCF)	94563	Reset Date	11/21/08
4 Days Ago Flow (SCF)	94224		
5 Days Ago Flow (SCF)	94418	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	94402	Area #**1** LEL	2
7 Days Ago Flow (SCF)	93328	Area #**2** LEL	2

Date And Time			
Date	29-JUL-10	Time	8:25:35

KEY

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

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

Date	7/30/10	**Time**	7:30
Technician	NS	Wind Speed/Direction	10 N
Ambient Temperature (°F)	69	Barometric Pressure (in Hg)	29.94
Weather	Sunny	**GEM I.D.**	GM

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)	14.7		Nitrogen Pressure (psi)	400
Carbon Dioxide (% Vol)	14.6		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	1.0		Blower Inlet Temp. (°F)	88
Balance Gas (% Vol)	69.7		Blower Discharge Temp. (°F)	130
Inlet Vacuum (in WC)	-11.474			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.354	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	11.3	Top Flare Temp. (°F)	1457
Flow Rate (SCFM)	67	Middle Flare Temp. (°F)	1548
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1506
Blower Current (Amps)	5.1	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1458	Louver Position (% Closed)	85
Flare Middle Temp. (°F)	1550	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1523	Control Mode	Auto
Area LEL (%)	2		

Blower Data		**Flow & Totalizer**	
Blower **301** Current (**Amps**)	5.1	Current Flow (SCFM)	68
Blower **301** Current (**Hours**)	15508	Today's Total Flow (SCF)	25442
Blower **302** Current (**Amps**)	0	Total Flow (SCF)	188835127
Blower **302** Current (**Hours**)	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	95779	Resettable Total Flow (SCF)	78150968
2 Days Ago Flow (SCF)	95956	Reset Time	11:33:3
3 Days Ago Flow (SCF)	95334	Reset Date	11/21/08
4 Days Ago Flow (SCF)	94563		
5 Days Ago Flow (SCF)	94224	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	94418	Area #**1** LEL	2
7 Days Ago Flow (SCF)	94402	Area #**2** LEL	2

Date And Time			
Date	30-JUL-10	Time	7:27:03

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

REME .AVE
175 AVE.
BRUUKLYN NY
GAS CONDENSATE TANK

07/01/2010 9:42 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1040.4 GAL

NN.AVE
A AVE.
BROOKLYN NY
GAS CONDENSATE TANK

07/02/2010 8:42 AM

PRODUCT INUNTORY SUMMARY

(GROSS VOLUME)

PROD 1 1040.4 GAL

AVE
BROOKLYN NY
GAS CONDENSATE TANK

07/06/2010 2:26 PM

TANK INUENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1040.3 GAL

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

07/07/2010 10:41 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1040.4 GAL

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

07/09/2010 9:23 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1040.5 GAL

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

07/12/2010 7:25 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1040.6 GAL

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

07/13/2010 7:26 AM

TANK INUENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1040.6 GAL

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

07/14/2010 8:33 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1040.7 GAL

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

07/15/2010 7:43 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1040.8 GAL

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

07/16/2010 8:05 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1040.8 GAL

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

07/19/2010 8:17 AM

PRODUCT INUNTORY SUMMARY

(GROSS VOLUME)

PROD 1 1040.9 GAL

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

07/20/2010 8:12 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1040.9 GAL

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

07/21/2010 10:19 AM

PRODUCT INUNTORY SUMMARY

(GROSS VOLUME)

PROD 1 1041.0 GAL

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

07/22/2010 7:58 AM

TANK INUENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1041.0 GAL

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

07/23/2010 7:21 AM

TANK INUENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1041.0 GAL

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

07/26/2010 8:33 AM

TANK INUENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1041.0 GAL

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

07/27/2010 9:08 AM

TANK INUENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1041.1 GAL

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

07/28/2010 8:10 AM

TANK INUENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1041.1 GAL

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

07/29/2010 8:27 AM

TANK INUENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1041.1 GAL

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

07/30/2010 7:28 AM

TANK INUENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1041.1 GAL

PENNSYLVANIA AVENUE LANDFILL						Month: **August**					Year: **2010**			**LFG-1**	
		WEATHER				**FLARE TEMPERATURE**							**FLARE STATION**		
DATE	TIME	Weather	Ambient Temp (ºF)	Wind Speed/Direction	Barometric Pressure (in Hg)	Top Flare Temp. (ºF)	Middle Flare Temp. (ºF)	Bottom Flare Temp. (ºF)	Controlling Thermo-couple	Louver Position (% Closed)	Control Temp. (SP)	Control Mode	Flare Inlet Pressure (in WC)	Flame Arrestor Differential Pressure (in WC)	Aux Fuel Pressure (in WC) Natural Gas
1															
2	7:50	Partly Cloudy	71	5/SE	30.15	1430	1594	1589	Bottom	91	1500	Auto	0.34	0	0
3	7:50	Mostly Cloudy	72	10/SW	30.14	1475	1538	1476	Bottom	100	1500	Manual	0.25	0	0
4	7:25	Mostly Cloudy	75	10/SW	29.93	1488	1570	1500	Bottom	88	1500	Auto	0.29	0	0
5	7:35	Cloudy/Hazy	76	10/WSW	29.70	1475	1586	1514	Bottom	86	1500	Auto	0.29	0	0
6	7:55	Sunny	79	10//WNW	29.66	1474	0	1493	Bottom	88	1500	Auto	0.41	0	0
7															
8															
9	8:25	Mostly Cloudy	73	10/SW	30.03	1474	0	1489	Bottom	92	1500	Auto	0.27	0	0
10	8:05	Mostly Cloudy	77	7/SW	29.92	1466	0	1479	Bottom	89	1500	Auto	0.32	0	0
11	7:40	Partly Cloudy	78	5/NE	29.85	1462	1521	1503	Bottom	86	1500	Auto	0.42	0	0
12	7:15	Overcast	73	10/E	29.88	1494	1594	1501	Bottom	89	1500	Auto	0.36	0	0
13	7:35	Mostly Cloudy	70	10/E	30.03	1474	1576	1506	Bottom	90	1500	Auto	0.34	0	0
14															
15															
16	7:40	Overcast	73	5/S	29.97	1484	0	1500	Bottom	90	1500	Auto	0.35	0	0
17	7:30	Partly Cloudy	73	5/W	29.99	1432	0	1477	Bottom	92	1500	Auto	0.40	0	0
18	9:00	Mostly Cloudy	72	7/E	30.07	1479	1568	1495	Bottom	88	1500	Auto	0.41	0	0
19	10:25	Sunny	78	10/W	29.94	1473	1542	1497	Bottom	87	1500	Auto	0.29	0	0
20	9:25	Sunny	84	8/N	29.91	1431	1535	1499	Bottom	87	1500	Auto	0.47	0	0
21															
22															
23	10:50	Overcast	70	10/NNE	29.82	1336	0	1449	Bottom	100	1500	Manual	0.34	0	0
24	7:50	Overcast	65	10/NNE	29.98	1389	1485	1471	Bottom	100	1500	Manual	0.29	0	0
25	7:45	Rain	65	7/NNW	29.84	1435	0	1508	Bottom	87	1500	Auto	0.33	0	0
26	7:20	Sunny	68	10/WNW	29.93	1366	1534	1504	Bottom	91	1500	Auto	0.43	0	0
27	7:55	Sunny	65	5/NW	30.12	1454	1548	1510	Bottom	91	1500	Auto	0.47	0	0
28															
29															
30	7:30	Sunny	85	7/NNW	30.22	1323	0	1497	Bottom	92	1500	Auto	0.51	0	0
31	7:30	Sunny	75	5/NW	30.16	1456	1563	1498	Bottom	92	1500	Auto	0.27	0	0

Notes:

PENNSYLVANIA AVENUE LANDFILL		Month: **August**									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															95,754
2	7:50	-10.7	67	0	5.0	1427	1598	1593	2	2	2	67	27,422	189,124,290	96,037
3	7:50	-10.7	64	0	5.0	1476	1543	1478	2	2	2	65	27,609	189,221,084	96,607
4	7:25	-10.6	65	0	5.0	1488	1569	1499	2	2	2	65	26,232	189,316,775	97,068
5	7:35	-10.7	68	0	5.0	1484	1590	1514	2	2	2	66	27,175	189,414,988	97,270
6	7:55	-9.8	69	0	5.0	1472	0	1494	2	2	2	67	27,923	189,512,532	96,729
7															96,127
8															96,475
9	8:25	-10.0	69	0	5.0	1475	0	1489	2	2	2	69	30,459	189,805,246	97,643
10	8:05	-9.3	66	0	5.0	1465	0	1482	2	2	2	67	29,130	189,902,095	98,109
11	7:40	-9.5	67	0	5.0	1464	1529	1505	2	2	2	67	27,234	189,998,325	98,195
12	7:15	-9.0	68	0	5.0	1491	1590	1501	3	3	3	68	25,452	190,094,306	97,693
13	7:35	-9.4	68	0	5.1	1473	1573	1506	3	3	3	67	27,013	190,193,233	97,436
14															97,706
15															98,482
16	7:40	-9.2	70	0	5.0	1482	0	1497	3	3	3	69	27,619	190,488,941	98,914
17	7:30	-10.5	70	0	5.1	1431	0	1477	2	2	2	68	26,172	190,585,975	98,411
18	9:00	-8.9	69	0	5.0	1477	1577	1497	2	2	2	68	33,035	190,691,231	98,463
19	10:25	-8.8	70	0	5.0	1474	1538	1498	2	2	2	70	39,118	190,794,437	97,123
20	9:25	-9.0	69	0	5.0	1430	1548	1511	2	2	1	69	34,841	190,889,215	98,988
21															46,463
22															0
23	10:50	-8.2	62	0	5.1	1338	1455	1452	3	3	3	63	2,313	190,903,083	0
24	7:50	-9.5	68	0	5.1	1383	1490	1468	3	3	3	68	28,092	190,987,466	58,604
25	7:45	-9.8	67	0	5.2	1436	0	1506	3	3	3	69	27,720	191,085,749	98,584
26	7:20	-10.5	67	0	5.1	1357	0	1504	2	2	2	68	26,633	191,184,185	99,594
27	7:55	-10.2	68	0	5.1	1455	1555	1509	2	2	2	68	28,841	191,285,611	99,218
28															99,763
29															99,914
30	7:30	-10.2	70	0	5.1	1325	0	1496	2	2	2	72	27,295	191,584,309	100,500
31	7:30	-9.7	70	0	5.1	1456	1563	1494	2	2	2	68	27,796	191,685,145	100,402
														1-Sep	100,430
														Aug. 2010 Total Flow:	**2,756,948**

PENNSYLVANIA AVENUE LANDFILL		Month: **August**												**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	7:50	301	14.4	14.7	0.9	70.0	-11.1	10	0	400	30	90	137	5.0	15580	0	15807
3	7:50	301	15.2	15.0	1.4	68.4	-10.9	10	0	400	30	90	130	5.0	15604	0	15807
4	7:25	301	16.2	15.4	1.6	66.8	-10.4	10	0	400	30	90	134	5.0	15628	0	15807
5	7:35	301	17.3	16.1	0.9	65.7	-10.1	10	0	400	30	92	138	5.0	15652	0	15807
6	7:55	301	15.8	16.0	0.9	67.3	-9.9	10	0	400	30	94	140	5.0	15676	0	15807
7																	
8																	
9	8:25	301	14.7	15.9	1.1	68.3	-9.3	10	0	400	30	91	136	5.0	15749	0	15807
10	8:05	301	15.3	16.0	1.1	67.6	-9.1	10	0	400	30	93	140	5.0	15773	0	15807
11	7:40	301	14.6	15.1	1.7	68.6	-9.2	10	0	400	30	94	140	5.0	15796	0	15807
12	7:15	301	14.5	15.2	2.3	68.0	-9.4	10	0	400	30	92	134	5.0	15820	0	15807
13	7:35	301	14.4	16.0	1.6	68.0	-9.7	10	0	400	30	88	130	5.1	15844	0	15807
14																	
15																	
16	7:40	301	16.0	16.7	0.8	66.5	-9.3	10	0	400	30	89	134	5.0	15916	0	15807
17	7:30	301	15.1	16.5	1.2	67.2	-9.5	10	0	400	30	90	140	5.1	15940	0	15807
18	9:00	301	14.5	16.1	1.3	68.1	-9.4	10	0	400	30	91	139	5.0	15966	0	15807
19	10:25	301	15.6	16.6	1.5	66.3	-9.3	10	0	350	30	92	140	5.0	15990	0	15807
20	9:25	301	15.0	16.4	0.5	68.1	-6.7	10	0	350	30	93	144	5.1	16013	0	15807
21																	
22																	
23	10:50	301	20.2	18.1	0.0	61.7	-9.4	10	0	2000	30	94	101	5.1	16017	0	15807
24	7:50	301	16.8	17.2	0.5	65.5	-9.9	10	0	2000	30	84	120	5.1	16037	0	15807
25	7:45	301	17.6	17.8	0.5	64.1	-9.8	10	0	2000	30	82	116	5.2	16061	0	15807
26	7:20	301	16.3	17.8	0.0	65.9	-9.8	10	0	1900	30	85	135	5.1	16085	0	15807
27	7:55	301	14.3	16.4	2.0	67.3	-10.0	10	0	1900	30	85	132	5.1	16109	0	15807
28																	
29																	
30	7:30	301	16.3	17.8	1.0	64.9	-10.4	10	0	1900	30	88	142	5.1	16181	0	15807
31	7:30	301	16.6	17.3	1.1	65.0	-10.4	10	0	1920	30	90	140	5.1	16205	0	15807

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

Date		Landfill Gas System			Landfill - Cover & Stormwater Systems, Roads, etc.
		Hours On Line	Flare	LFG Collection - Extraction Wells	
Sunday	1-Aug	24	The flare ran for 90.7% of the month of August, processing 2,756,948 SCF of landfill gas, supplemented by approximately 400,000 SCF of natural gas.	All 46 extraction wells were monitored.	
Monday	2-Aug	24			**August 2, 3, 9 and 10** Landscaping stormwater system.
Tuesday	3-Aug	24			
Wednesday	4-Aug	24		**8/30/10** mowed access to extraction wells	**8/6/10** Graded the contractor parking lot, set up storage container and washed equipment.
Thursday	5-Aug	24			
Friday	6-Aug	24	**8/18/10** PCS performing flare fire alarm programming and autodialer repairs.		
Weekend	7-Aug	24			**8/11/10** Completed removal of vegetative growth from stormwater system and cutting down cottonwood and locust trees from swales.
	8-Aug	24			
Monday	9-Aug	24			
Tuesday	10-Aug	24	**8/19/10** Pre-inspection alarm and shutdown test with DEP and LKB		
Wednesday	11-Aug	24			**8/27/10** Erosion in Zones 2, 16 and 17 by the nature trails, and East and West nature trail repairs were completed.
Thursday	12-Aug	24			
Friday	13-Aug	24	**8/20/10** FDNY inspection of the fire alarm system and emergency shutdown. All elements passed. Flare remained out of service since 1 PM when system was disarmed for the inspection, failed to reset it, and did not receive call to alert.		
Weekend	14-Aug	24			**8/30/10** Swale erosion repairs: Swale D-2 (Zone 15 by EW-10) and extended the riprap in Zone 15, near culvert D-1.
	15-Aug	24			
Monday	16-Aug	24			
Tuesday	17-Aug	24			
Wednesday	18-Aug	23.5			**8/31/10** Cover erosion repairs: Zone 17 (between Swales A-4 and A-5X, south of Outlet A) placed rip-rap. Zone 8 (by nature trail and manhole D-1A) filled and seeded. Zone 11 (by manhole D-5A) filled and seeded.
Thursday	19-Aug	23			
Friday	20-Aug	6	**8/23/10**, had trouble restarting flare. Malfunctioning middle thermocouple temp shooting up to 2000. Adjusted supplemental gas valve. Blower trying to turn over and actuator valve failed to open all the way. Checked and reset the actuator valve switch cams. Changed set point timers: blower start after flow detection from 1 to 3 sec. and actuator valve open from 3 to 1 sec. Flare was running by 9 AM.		
Weekend	21-Aug	0			
	22-Aug	0			
Monday	23-Aug	22			
Tuesday	24-Aug	24			
Wednesday	25-Aug	24			
Thursday	26-Aug	24			
Friday	27-Aug	24			
Weekend	28-Aug	24			
	29-Aug	24			
Monday	30-Aug	24			
Tuesday	31-Aug	24			

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

Date	8/2/10	**Time**	7:50
Technician	NS	Wind Speed/Direction	5 SE
Ambient Temperature (°F)	71	Barometric Pressure (in Hg)	30.15
Weather	Partly Cloudy	**GEM I.D.**	GM 12389

BLOWER STATION				
Blowers Status **301** (circle)	(On)	Off	Demister Inlet Valve Position (% Open)	10
Blowers Status **302** (circle)	On	(Off)	Demister Differential Pressure (in WC)	0
Methane (% Vol)	14.4		Nitrogen Pressure (psi)	400
Carbon Dioxide (% Vol)	14.7		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.9		Blower Inlet Temp. (°F)	90
Balance Gas (% Vol)	70.0		Blower Discharge Temp. (°F)	137
Inlet Vacuum (in WC)	11.070			

FLARE STATION		
Flare Inlet Pressure (in WC)	9.344	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	-10.7	Top Flare Temp. (°F)	1430
Flow Rate (SCFM)	67	Middle Flare Temp. (°F)	1594
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1589
Blower Current (Amps)	5.0	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1427	Louver Position (% Closed)	91
Flare Middle Temp. (°F)	1598	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1593	Control Mode	Auto
Area LEL (%)	2		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.0	Current Flow (SCFM)	67
Blower **301** Current **(Hours)**	15580	Today's Total Flow (SCF)	27422
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	189124290
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	96037	Resettable Total Flow (SCF)	78440083
2 Days Ago Flow (SCF)	95754	Reset Time	11:33:3
3 Days Ago Flow (SCF)	95342	Reset Date	11/21/08
4 Days Ago Flow (SCF)	95279		
5 Days Ago Flow (SCF)	95456	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	95334	Area #1 LEL	2
7 Days Ago Flow (SCF)	94563	Area #2 LEL	2

Date And Time			
Date	02 - August - 10	Time	7:47:15

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	8/3/10	**Time**	7:50
Technician	NS	Wind Speed/Direction	10 SW
Ambient Temperature (°F)	72	Barometric Pressure (in Hg)	30.14
Weather	Mostly Cloudy	**GEM I.D.**	GM 08097

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)	15.2		Nitrogen Pressure (psi)	400
Carbon Dioxide (% Vol)	15.0		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	1.4		Blower Inlet Temp. (°F)	90
Balance Gas (% Vol)	68.3		Blower Discharge Temp. (°F)	130
Inlet Vacuum (in WC)	-10.898			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.252	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	10.7	Top Flare Temp. (°F)	1475
Flow Rate (SCFM)	64	Middle Flare Temp. (°F)	1538
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1476
Blower Current (Amps)	5.0	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1476	Louver Position (% Closed)	100
Flare Middle Temp. (°F)	1543	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1478	Control Mode	Manual
Area LEL (%)	2		

Blower Data		**Flow & Totalizer**	
Blower **301** Current (**Amps**)	5.0	Current Flow (SCFM)	65
Blower **301** Current (**Hours**)	15604	Today's Total Flow (SCF)	27609
Blower **302** Current (**Amps**)	0	Total Flow (SCF)	189221084
Blower **302** Current (**Hours**)	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	96607	Resettable Total Flow (SCF)	78536809
2 Days Ago Flow (SCF)	96037	Reset Time	11:33:3
3 Days Ago Flow (SCF)	95754	Reset Date	11/21/08
4 Days Ago Flow (SCF)	95342		
5 Days Ago Flow (SCF)	95779	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	95956	Area #1 LEL	2
7 Days Ago Flow (SCF)	95334	Area #2 LEL	2

Date And Time			
Date	03 - AUG - 10	Time	7:49:02

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	8/4/10	**Time**	7:25
Technician	NS	Wind Speed/Direction	10 SW
Ambient Temperature (°F)	75	Barometric Pressure (in Hg)	29.93
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)	16.2		Nitrogen Pressure (psi)	400
Carbon Dioxide (% Vol)	15.4		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	1.6		Blower Inlet Temp. (°F)	90
Balance Gas (% Vol)	66.8		Blower Discharge Temp. (°F)	134
Inlet Vacuum (in WC)	-10.376			

FLARE STATION		
Flare Inlet Pressure (in WC)	9.287	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	10.6	Top Flare Temp. (°F)	1488
Flow Rate (SCFM)	65	Middle Flare Temp. (°F)	1570
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1500
Blower Current (Amps)	5.0	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1488	Louver Position (% Closed)	88
Flare Middle Temp. (°F)	1569	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1499	Control Mode	Auto
Area LEL (%)	2		

Blower Data		**Flow & Totalizer**	
Blower **301** Current (**Amps**)	5.0	Current Flow (SCFM)	65
Blower **301** Current (**Hours**)	15618	Today's Total Flow (SCF)	26232
Blower **302** Current (**Amps**)	0	Total Flow (SCF)	189316775
Blower **302** Current (**Hours**)	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	97068	Resettable Total Flow (SCF)	78632500
2 Days Ago Flow (SCF)	96607	Reset Time	11:33:3
3 Days Ago Flow (SCF)	96037	Reset Date	11/21/08
4 Days Ago Flow (SCF)	95754		
5 Days Ago Flow (SCF)	95342	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	95779	Area #1 LEL	2
7 Days Ago Flow (SCF)	95956	Area #2 LEL	2

Date And Time			
Date	04-AUG-10	Time	7:27:40

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	8/5/10	**Time**	7:35
Technician	NS	Wind Speed/Direction	10 WSW
Ambient Temperature (°F)	76	Barometric Pressure (in Hg)	29.70
Weather	Cloudy/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)	17.3		Nitrogen Pressure (psi)	400
Carbon Dioxide (% Vol)	16.1		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.9		Blower Inlet Temp. (°F)	92
Balance Gas (% Vol)	65.9		Blower Discharge Temp. (°F)	138
Inlet Vacuum (in WC)	-10.050			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.293	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	10.7	Top Flare Temp. (°F)	1475
Flow Rate (SCFM)	68	Middle Flare Temp. (°F)	1586
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1514
Blower Current (Amps)	5.0	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1484	Louver Position (% Closed)	86
Flare Middle Temp. (°F)	1590	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1514	Control Mode	Auto
Area LEL (%)	2		

Blower Data		**Flow & Totalizer**	
Blower **301** Current (**Amps**)	5.0	Current Flow (SCFM)	66
Blower **301** Current (**Hours**)	15652	Today's Total Flow (SCF)	27175
Blower **302** Current (**Amps**)	0	Total Flow (SCF)	18941488
Blower **302** Current (**Hours**)	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	97270	Resettable Total Flow (SCF)	78230713
2 Days Ago Flow (SCF)	97068	Reset Time	11:33:5
3 Days Ago Flow (SCF)	96607	Reset Date	11/21/08
4 Days Ago Flow (SCF)	96037		
5 Days Ago Flow (SCF)	95754	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	95342	Area #1 LEL	2
7 Days Ago Flow (SCF)	95779	Area #2 LEL	2

Date And Time			
Date	05-AUG-10	Time	7:42:13

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	8/6/10	**Time**	7:55
Technician	NS	Wind Speed/Direction	10 WNW
Ambient Temperature (°F)	79	Barometric Pressure (in Hg)	29.66
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)	15.8		Nitrogen Pressure (psi)	400
Carbon Dioxide (% Vol)	16.0		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.9		Blower Inlet Temp. (°F)	94
Balance Gas (% Vol)	67.1		Blower Discharge Temp. (°F)	140
Inlet Vacuum (in WC)	-9.922			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.411	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	9.8	Top Flare Temp. (°F)	1474
Flow Rate (SCFM)	69	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1493
Blower Current (Amps)	5.0	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1472	Louver Position (% Closed)	88
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1494	Control Mode	Auto
Area LEL (%)	2		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.0	Current Flow (SCFM)	67
Blower **301** Current **(Hours)**	15676	Today's Total Flow (SCF)	27923
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	1895/2532
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	96729	Resettable Total Flow (SCF)	78828257
2 Days Ago Flow (SCF)	97270	Reset Time	11:33:3
3 Days Ago Flow (SCF)	97068	Reset Date	11/21/08
4 Days Ago Flow (SCF)	96607		
5 Days Ago Flow (SCF)	96037	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	95754	Area #1 LEL	2
7 Days Ago Flow (SCF)	95342	Area #2 LEL	2

Date And Time			
Date	06-Aug-10	Time	7:56:17

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	8/9/10	**Time**	8:25
Technician	NS	Wind Speed/Direction	10 SW
Ambient Temperature (°F)	73	Barometric Pressure (in Hg)	30.03
Weather	Mostly cloudy	**GEM I.D.**	GM08087

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)	14.7		Nitrogen Pressure (psi)	400
Carbon Dioxide (% Vol)	15.9		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	1.1		Blower Inlet Temp. (°F)	91
Balance Gas (% Vol)	68.2		Blower Discharge Temp. (°F)	136
Inlet Vacuum (in WC)	-9.299			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.273	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	10.0	Top Flare Temp. (°F)	1474
Flow Rate (SCFM)	69	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1489
Blower Current (Amps)	5.0	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1475	Louver Position (% Closed)	92
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1489	Control Mode	Auto
Area LEL (%)	2		

Blower Data		**Flow & Totalizer**	
Blower **301** Current (**Amps**)	5.0	Current Flow (SCFM)	69
Blower **301** Current (**Hours**)	15749	Today's Total Flow (SCF)	30459
Blower **302** Current (**Amps**)	0	Total Flow (SCF)	189805246
Blower **302** Current (**Hours**)	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	97643	Resettable Total Flow (SCF)	7912039
2 Days Ago Flow (SCF)	96475	Reset Time	11:33:3
3 Days Ago Flow (SCF)	96187	Reset Date	11/21/08
4 Days Ago Flow (SCF)	96729		
5 Days Ago Flow (SCF)	97270	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	97968	Area #1 LEL	2
7 Days Ago Flow (SCF)	96607	Area #2 LEL	2

Date And Time			
Date	09-AUG-10	Time	8:26:33

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	8/10/10	**Time**	8:05
Technician	NS	Wind Speed/Direction	7 SW
Ambient Temperature (°F)	77	Barometric Pressure (in Hg)	29.92
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)	15.3		Nitrogen Pressure (psi)	400
Carbon Dioxide (% Vol)	16.0		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	1.1		Blower Inlet Temp. (°F)	93
Balance Gas (% Vol)	67.4		Blower Discharge Temp. (°F)	140
Inlet Vacuum (in WC)	-9.056			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.324	
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)	9.3	Top Flare Temp. (°F)	1466
Flow Rate (SCFM)	66	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1479
Blower Current (Amps)	5.0	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1465	Louver Position (% Closed)	89
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1482	Control Mode	Auto
Area LEL (%)	2		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	50	Current Flow (SCFM)	67
Blower **301** Current **(Hours)**	15723	Today's Total Flow (SCF)	29130
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	189902095
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	98109	Resettable Total Flow (SCF)	79217820
2 Days Ago Flow (SCF)	96643	Reset Time	11:33:3
3 Days Ago Flow (SCF)	96475	Reset Date	11/21/08
4 Days Ago Flow (SCF)	96127		
5 Days Ago Flow (SCF)	96729	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	97270	Area #1 LEL	2
7 Days Ago Flow (SCF)	97068	Area #2 LEL	2

Date And Time			
Date	10-AUG-10	Time	8:07:29

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	8/11/10	**Time**	7:40
Technician	NS	Wind Speed/Direction	5-10 NE
Ambient Temperature (°F)	78	Barometric Pressure (in Hg)	29.85
Weather	Partly cloudy	**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)	14.6		Nitrogen Pressure (psi)	400
Carbon Dioxide (% Vol)	15.1		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	1.7		Blower Inlet Temp. (°F)	94
Balance Gas (% Vol)	68.3		Blower Discharge Temp. (°F)	140
Inlet Vacuum (in WC)	-9.249			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.419	
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)	9.5	Top Flare Temp. (°F)	1462
Flow Rate (SCFM)	67	Middle Flare Temp. (°F)	1521
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1503
Blower Current (Amps)	5.0	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1464	Louver Position (% Closed)	86
Flare Middle Temp. (°F)	1519	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1505	Control Mode	Auto
Area LEL (%)	2		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.0	Current Flow (SCFM)	67
Blower **301** Current **(Hours)**	15796	Today's Total Flow (SCF)	27234
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	189998325
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	98195	Resettable Total Flow (SCF)	79314050
2 Days Ago Flow (SCF)	98109	Reset Time	11:33:3
3 Days Ago Flow (SCF)	96643	Reset Date	11/21/08
4 Days Ago Flow (SCF)	96475		
5 Days Ago Flow (SCF)	96127	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	96729	Area #1 LEL	2
7 Days Ago Flow (SCF)	97270	Area #2 LEL	2

Date And Time			
Date	11-AUG-10	Time	7:39:49

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	8/12/12	**Time**	7:15
Technician	NS	Wind Speed/Direction	10-20 E
Ambient Temperature (°F)	73	Barometric Pressure (in Hg)	29.88
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)	14.5		Nitrogen Pressure (psi)	400
Carbon Dioxide (% Vol)	15.2		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	2.3		Blower Inlet Temp. (°F)	92
Balance Gas (% Vol)	67.9		Blower Discharge Temp. (°F)	134
Inlet Vacuum (in WC)	-9.411			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.363	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	9.0	Top Flare Temp. (°F)	1494
Flow Rate (SCFM)	68	Middle Flare Temp. (°F)	1594
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1501
Blower Current (Amps)	5.0	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1491	Louver Position (% Closed)	89
Flare Middle Temp. (°F)	1580	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1501	Control Mode	Auto
Area LEL (%)	3		

Blower Data		**Flow & Totalizer**	
Blower **301** Current (**Amps**)	5.0	Current Flow (SCFM)	68
Blower **301** Current (**Hours**)	15820	Today's Total Flow (SCF)	25452
Blower **302** Current (**Amps**)	0	Total Flow (SCF)	1900994306
Blower **302** Current (**Hours**)	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	97693	Resettable Total Flow (SCF)	79410031
2 Days Ago Flow (SCF)	98195	Reset Time	11:33:3
3 Days Ago Flow (SCF)	98109	Reset Date	11/21/08
4 Days Ago Flow (SCF)	96643		
5 Days Ago Flow (SCF)	96475	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	96127	Area #1 LEL	3
7 Days Ago Flow (SCF)	96729	Area #2 LEL	3

Date And Time			
Date	12-AUG-12	Time	7:15:05

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	8/13/10	**Time**	7:35
Technician	NS	Wind Speed/Direction	10-15 E
Ambient Temperature (°F)	70	Barometric Pressure (in Hg)	30.03
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)	14.4		Nitrogen Pressure (psi)	400
Carbon Dioxide (% Vol)	16.0		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	1.6		Blower Inlet Temp. (°F)	88
Balance Gas (% Vol)	67.9		Blower Discharge Temp. (°F)	130
Inlet Vacuum (in WC)	-9.662			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.337	
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)	1474
Flow Rate (SCFM)	68	Middle Flare Temp. (°F)	1576
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1506
Blower Current (Amps)	5.1	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1473	Louver Position (% Closed)	90
Flare Middle Temp. (°F)	1573	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1506	Control Mode	Auto
Area LEL (%)	3		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.1	Current Flow (SCFM)	67
Blower **301** Current **(Hours)**	15844	Today's Total Flow (SCF)	22013
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	190193233
Blower **302** Current **(Hours)**	15805		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	97436	Resettable Total Flow (SCF)	7950905
2 Days Ago Flow (SCF)	97693	Reset Time	11:33:3
3 Days Ago Flow (SCF)	98195	Reset Date	11/21/08
4 Days Ago Flow (SCF)	98109		
5 Days Ago Flow (SCF)	97643	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	96475	Area #1 LEL	3
7 Days Ago Flow (SCF)	96127	Area #2 LEL	3

Date And Time			
Date	13-AUG-10	Time	7:39:17

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	8/16/10	**Time**	7:40
Technician	NS	Wind Speed/Direction	5-10 S
Ambient Temperature (°F)	73	Barometric Pressure (in Hg)	29.97
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)	16.0		Nitrogen Pressure (psi)	400
Carbon Dioxide (% Vol)	16.7		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.8		Blower Inlet Temp. (°F)	89
Balance Gas (% Vol)	66.5		Blower Discharge Temp. (°F)	134
Inlet Vacuum (in WC)	-9.253			

FLARE STATION		
Flare Inlet Pressure (in WC)	9.352	
Flame Arrestor Differential Pressure (in WC)	9	
Aux Fuel Pressure (in WC) - Natural Gas	9	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	-9.2	Top Flare Temp. (°F)	1484
Flow Rate (SCFM)	70	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1500
Blower Current (Amps)	5.0	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1482	Louver Position (% Closed)	90
Flare Middle Temp. (°F)	9	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1497	Control Mode	Auto
Area LEL (%)	3		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.0	Current Flow (SCFM)	69
Blower **301** Current **(Hours)**	15916	Today's Total Flow (SCF)	27619
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	190488941
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	98914	Resettable Total Flow (SCF)	79804735
2 Days Ago Flow (SCF)	98482	Reset Time	11:33:5
3 Days Ago Flow (SCF)	97706	Reset Date	11/21/08
4 Days Ago Flow (SCF)	97436		
5 Days Ago Flow (SCF)	97693	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	98195	Area #**1** LEL	3
7 Days Ago Flow (SCF)	98109	Area #**2** LEL	3

Date And Time			
Date	16-AUG-10	Time	7:43:52

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	8/17/19	**Time**	7:30
Technician	NS	Wind Speed/Direction	5-10 W
Ambient Temperature (°F)	73	Barometric Pressure (in Hg)	29.99
Weather	Partly Cloudy	**GEM I.D.**	GM09087

BLOWER STATION				
Blowers Status **301** (circle)	(On)	Off	Demister Inlet Valve Position (% Open)	10
Blowers Status **302** (circle)	On	(Off)	Demister Differential Pressure (in WC)	0
Methane (% Vol)	15.1		Nitrogen Pressure (psi)	400
Carbon Dioxide (% Vol)	16.5		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	1.2		Blower Inlet Temp. (°F)	90
Balance Gas (% Vol)	67.2		Blower Discharge Temp. (°F)	140
Inlet Vacuum (in WC)	-9.497			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.404	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	10.5	Top Flare Temp. (°F)	1432
Flow Rate (SCFM)	70	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1477
Blower Current (Amps)	5.1	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1431	Louver Position (% Closed)	95
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1477	Control Mode	Auto
Area LEL (%)	2		

Blower Data		**Flow & Totalizer**	
Blower **301** Current (**Amps**)	5.1	Current Flow (SCFM)	68
Blower **301** Current (**Hours**)	15940	Today's Total Flow (SCF)	26172
Blower **302** Current (**Amps**)	0	Total Flow (SCF)	190585975
Blower **302** Current (**Hours**)	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	98411	Resettable Total Flow (SCF)	7990700
2 Days Ago Flow (SCF)	98914	Reset Time	11:33:3
3 Days Ago Flow (SCF)	98482	Reset Date	11/21/08
4 Days Ago Flow (SCF)	97706		
5 Days Ago Flow (SCF)	97436	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	97693	Area #1 LEL	2
7 Days Ago Flow (SCF)	98195	Area #2 LEL	2

Date And Time			
Date	17-AUG-19	Time	7:23:53

KEY

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

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

Date	8/18/NS	**Time**	9:00
Technician	NS	Wind Speed/Direction	7 E
Ambient Temperature (°F)	72	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)	14.5		Nitrogen Pressure (psi)	400
Carbon Dioxide (% Vol)	16.1		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	1.3		Blower Inlet Temp. (°F)	91
Balance Gas (% Vol)	67.9		Blower Discharge Temp. (°F)	139
Inlet Vacuum (in WC)	-9.417			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.407	
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)	-8.9	Top Flare Temp. (°F)	1479
Flow Rate (SCFM)	69	Middle Flare Temp. (°F)	1568
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1495
Blower Current (Amps)	5.0	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1477	Louver Position (% Closed)	88
Flare Middle Temp. (°F)	1577	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1497	Control Mode	Auto
Area LEL (%)	2		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.0	Current Flow (SCFM)	68
Blower **301** Current **(Hours)**	15966	Today's Total Flow (SCF)	33035
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	190691231
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	98463	Resettable Total Flow (SCF)	80007025
2 Days Ago Flow (SCF)	98411	Reset Time	11:53:3
3 Days Ago Flow (SCF)	98914	Reset Date	11/21/08
4 Days Ago Flow (SCF)	98482		
5 Days Ago Flow (SCF)	97706	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	97436	Area #1 LEL	2
7 Days Ago Flow (SCF)	97693	Area #2 LEL	2

Date And Time			
Date	8/18/10	Time	9:08:13

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

Back up Batteries for Silent Knight Alarm tested ok - replace 6/2011

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

Date	8/19/10	**Time**	10:25
Technician	NS	Wind Speed/Direction	10 W
Ambient Temperature (°F)	78	Barometric Pressure (in Hg)	29.94
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)	15.6		Nitrogen Pressure (psi)	~~450~~ 350
Carbon Dioxide (% Vol)	16.6		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	1.5		Blower Inlet Temp. (°F)	92
Balance Gas (% Vol)	66.4		Blower Discharge Temp. (°F)	140
Inlet Vacuum (in WC)	-9.346			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.293	
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)	8.8	Top Flare Temp. (°F)	1473
Flow Rate (SCFM)	70	Middle Flare Temp. (°F)	1542
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1497
Blower Current (Amps)	5.0	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1474	Louver Position (% Closed)	87
Flare Middle Temp. (°F)	1538	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1498	Control Mode	Auto
Area LEL (%)	2		

Blower Data		**Flow & Totalizer**	
Blower **301** Current (**Amps**)	5.0	Current Flow (SCFM)	70
Blower **301** Current (**Hours**)	15990	Today's Total Flow (SCF)	39118
Blower **302** Current (**Amps**)	0	Total Flow (SCF)	190794437
Blower **302** Current (**Hours**)	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	97123	Resettable Total Flow (SCF)	80110219
2 Days Ago Flow (SCF)	98463	Reset Time	11:33:3
3 Days Ago Flow (SCF)	98411	Reset Date	11/21/08
4 Days Ago Flow (SCF)	98914		
5 Days Ago Flow (SCF)	98482	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	97706	Area #1 LEL	2
7 Days Ago Flow (SCF)	97436	Area #2 LEL	2

Date And Time			
Date	19-AUG-10	Time	10:26:57

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	8/20/10	**Time**	9:25 AM
Technician	MOG	Wind Speed/Direction	8 NORTH
Ambient Temperature (°F)	84	Barometric Pressure (in Hg)	29.91
Weather	CLEAR	**GEM I.D.**	

BLOWER STATION				
Blowers Status **301** (circle)	(On)	Off	Demister Inlet Valve Position (% Open)	10
Blowers Status **302** (circle)	On	(Off)	Demister Differential Pressure (in WC)	0.05
Methane (% Vol)	15.0		Nitrogen Pressure (psi)	350
Carbon Dioxide (% Vol)	16.4		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.5		Blower Inlet Temp. (°F)	93
Balance Gas (% Vol)	68.1		Blower Discharge Temp. (°F)	144
Inlet Vacuum (in WC)	-6.74			

FLARE STATION	CH_4 / CO_2 / O_2	
Flare Inlet Pressure (in WC)	+0.47	14.9 / 16.6 / 0.2
Flame Arrestor Differential Pressure (in WC)	0.2	
Aux Fuel Pressure (in WC) - Natural Gas	0	341831 / 348469

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	9.0	Top Flare Temp. (°F)	1431
Flow Rate (SCFM)	69	Middle Flare Temp. (°F)	1535
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1499
Blower Current (Amps)	5.0	Controlling Thermocouple	BOTTOM
Flare Top Temp. (°F)	1430	Louver Position (% Closed)	87
Flare Middle Temp. (°F)	1548	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1511	Control Mode	AUTO
Area LEL (%)	2		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.1	Current Flow (SCFM)	69
Blower **301** Current **(Hours)**	16013	Today's Total Flow (SCF)	34841
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	190889215
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	98988	Resettable Total Flow (SCF)	80205009
2 Days Ago Flow (SCF)	97123	Reset Time	11:33:03
3 Days Ago Flow (SCF)	98463	Reset Date	11/21/08
4 Days Ago Flow (SCF)	98411		
5 Days Ago Flow (SCF)	98914	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	98482	Area #**1** LEL	2
7 Days Ago Flow (SCF)	97706	Area #**2** LEL	1

Date And Time			
Date	20-AUG-10	Time	9:30:32

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	8/23/10	**Time**	10:50
Technician	NS	Wind Speed/Direction	10-20 NNE
Ambient Temperature (°F)	70	Barometric Pressure (in Hg)	29.82
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)	20.2		Nitrogen Pressure (psi)	~~2~~ 2000
Carbon Dioxide (% Vol)	18.1		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0		Blower Inlet Temp. (°F)	94
Balance Gas (% Vol)	61.9		Blower Discharge Temp. (°F)	101
Inlet Vacuum (in WC)	-9.4			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.340	
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)	8.2	Top Flare Temp. (°F)	1336
Flow Rate (SCFM)	62	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1449
Blower Current (Amps)	5.1	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1388	Louver Position (% Closed)	100
Flare Middle Temp. (°F)	1455	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1452	Control Mode	Manual
Area LEL (%)	3		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.1	Current Flow (SCFM)	63
Blower **301** Current **(Hours)**	16017	Today's Total Flow (SCF)	2313
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	190903983
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	0	Resettable Total Flow (SCF)	90218870
2 Days Ago Flow (SCF)	0	Reset Time	11:33:3
3 Days Ago Flow (SCF)	46463	Reset Date	11/21/08
4 Days Ago Flow (SCF)	98988		
5 Days Ago Flow (SCF)	97125	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	98463	Area #1 LEL	3
7 Days Ago Flow (SCF)	98411	Area #2 LEL	3

Date And Time			
Date	23-AUG-10	Time	10:54:27

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	8/24/10	**Time**	7:50
Technician	NS	Wind Speed/Direction	10 - 20 NNE
Ambient Temperature (°F)	65	Barometric Pressure (in Hg)	29.98
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)	16.8		Nitrogen Pressure (psi)	2000
Carbon Dioxide (% Vol)	17.2		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.5		Blower Inlet Temp. (°F)	84
Balance Gas (% Vol)	65.4		Blower Discharge Temp. (°F)	120
Inlet Vacuum (in WC)	-9.89			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.289	
Flame Arrestor Differential Pressure (in WC)		
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)	1389
Flow Rate (SCFM)	68	Middle Flare Temp. (°F)	1485
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1471
Blower Current (Amps)	5.1	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1383	Louver Position (% Closed)	100
Flare Middle Temp. (°F)	1490	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1468	Control Mode	Manual
Area LEL (%)	3		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.1	Current Flow (SCFM)	68
Blower **301** Current **(Hours)**	16037	Today's Total Flow (SCF)	28092
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	190987466
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	58604	Resettable Total Flow (SCF)	8033260
2 Days Ago Flow (SCF)	0	Reset Time	11:33:3
3 Days Ago Flow (SCF)	0	Reset Date	11/21/08
4 Days Ago Flow (SCF)	46463		
5 Days Ago Flow (SCF)	98988	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	97123	Area #1 LEL	3
7 Days Ago Flow (SCF)	98463	Area #2 LEL	3

Date And Time			
Date	24-AUG-10	Time	7:47:53

KEY

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

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

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

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

Date	8/25/10	**Time**	7:45
Technician	NS	Wind Speed/Direction	5-10 NNW
Ambient Temperature (°F)	65	Barometric Pressure (in Hg)	29.84
Weather	Overcast / Rain	**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)	17.6		Nitrogen Pressure (psi)	2000
Carbon Dioxide (% Vol)	17.8		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.5		Blower Inlet Temp. (°F)	82
Balance Gas (% Vol)	64.1		Blower Discharge Temp. (°F)	116
Inlet Vacuum (in WC)	-9.771			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.329	
Flame Arrestor Differential Pressure (in WC)	7	
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)	1435
Flow Rate (SCFM)	67	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1508
Blower Current (Amps)	5.2	Controlling Thermocouple	~~87~~ Bottom
Flare Top Temp. (°F)	1436	Louver Position (% Closed)	87%
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1506	Control Mode	Auto
Area LEL (%)	3		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.2	Current Flow (SCFM)	69
Blower **301** Current **(Hours)**	16061	Today's Total Flow (SCF)	27720
Blower **302** Current **(Amps)**	0.0	Total Flow (SCF)	191085749
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	98584	Resettable Total Flow (SCF)	80401545
2 Days Ago Flow (SCF)	58604	Reset Time	11:33:3
3 Days Ago Flow (SCF)	0	Reset Date	11/21/08
4 Days Ago Flow (SCF)	0		
5 Days Ago Flow (SCF)	46463	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	98988	Area #**1** LEL	3
7 Days Ago Flow (SCF)	97123	Area #**2** LEL	3

Date And Time			
Date	8/25/10	Time	07:42:41

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

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

Date	8/26/10	**Time**	7:20
Technician	NS	Wind Speed/Direction	10-20 WNW
Ambient Temperature (°F)	68	Barometric Pressure (in Hg)	29.93
Weather	Sunny/Clear	**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)	16.3		Nitrogen Pressure (psi)	~~2000~~ 1900
Carbon Dioxide (% Vol)	17.8		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0		Blower Inlet Temp. (°F)	85
Balance Gas (% Vol)	65.9		Blower Discharge Temp. (°F)	135
Inlet Vacuum (in WC)	-9.789			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.429	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	10.5	Top Flare Temp. (°F)	1366
Flow Rate (SCFM)	67	Middle Flare Temp. (°F)	1534
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1504
Blower Current (Amps)	5.1	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1357	Louver Position (% Closed)	91
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1504	Control Mode	Auto
Area LEL (%)	2		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.1	Current Flow (SCFM)	68
Blower **301** Current **(Hours)**	16085	Today's Total Flow (SCF)	26633
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	191184185
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	99594	Resettable Total Flow (SCF)	8074999??
2 Days Ago Flow (SCF)	98584	Reset Time	11:33:3
3 Days Ago Flow (SCF)	58604	Reset Date	11/21/08
4 Days Ago Flow (SCF)	0		
5 Days Ago Flow (SCF)	0	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	46463	Area #1 LEL	2
7 Days Ago Flow (SCF)	98988	Area #2 LEL	2

Date And Time			
Date	26-AUG-10	Time	7:26:07

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	8/27/10	**Time**	7:55
Technician	NS	Wind Speed/Direction	5-10 NW
Ambient Temperature (°F)	65	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)	14.3		Nitrogen Pressure (psi)	1900
Carbon Dioxide (% Vol)	16.4		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	2.0		Blower Inlet Temp. (°F)	85
Balance Gas (% Vol)	67.3		Blower Discharge Temp. (°F)	132
Inlet Vacuum (in WC)	-10.019			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.474	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	10.2	Top Flare Temp. (°F)	1454
Flow Rate (SCFM)	68	Middle Flare Temp. (°F)	1548
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1510
Blower Current (Amps)	5.1	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1455	Louver Position (% Closed)	91
Flare Middle Temp. (°F)	1555	Control Temperature (SP)	1509
Flare Bottom Temp. (°F)	1509	Control Mode	Auto
Area LEL (%)	2		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.1	Current Flow (SCFM)	68
Blower **301** Current **(Hours)**	16109	Today's Total Flow (SCF)	28841
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	191285611
Blower **302** Current **(Hours)**	15897		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	99218	Resettable Total Flow (SCF)	80601403
2 Days Ago Flow (SCF)	99594	Reset Time	11:33:3
3 Days Ago Flow (SCF)	98584	Reset Date	11/21/08
4 Days Ago Flow (SCF)	58604		
5 Days Ago Flow (SCF)	0	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	0	Area #1 LEL	2
7 Days Ago Flow (SCF)	46463	Area #2 LEL	2

Date And Time			
Date	27-AUG-10	Time	7:55:49

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	8/30/10	**Time**	7:30 AM
Technician	Conor OBrien	Wind Speed/Direction	5-10 NNW
Ambient Temperature (°F)	85	Barometric Pressure (in Hg)	30.22
Weather	Sunny	**GEM I.D.**	

BLOWER STATION				
Blowers Status **301** (circle)	On	Off	Demister Inlet Valve Position (% Open)	10%
Blowers Status **302** (circle)	On	Off	Demister Differential Pressure (in WC)	0
Methane (% Vol)	16.3		Nitrogen Pressure (psi)	1900
Carbon Dioxide (% Vol)	17.8		Blower Inlet Valve (% Open)	30%
Oxygen (% Vol)	1.0		Blower Inlet Temp. (°F)	88
Balance Gas (% Vol)	0		Blower Discharge Temp. (°F)	142
Inlet Vacuum (in WC)	-10.36			

FLARE STATION		
Flare Inlet Pressure (in WC)	.507	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	-10.2	Top Flare Temp. (°F)	1323
Flow Rate (SCFM)	70	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0.0	Bottom Flare Temp. (°F)	1497
Blower Current (Amps)	5.1	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1325	Louver Position (% Closed)	92
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1496	Control Mode	Auto
Area LEL (%)	2		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.1	Current Flow (SCFM)	72
Blower **301** Current **(Hours)**	16181	Today's Total Flow (SCF)	27295
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	191584309
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	100500	Resettable Total Flow (SCF)	80902138
2 Days Ago Flow (SCF)	99914	Reset Time	11:33:3
3 Days Ago Flow (SCF)	99763	Reset Date	11/21/08
4 Days Ago Flow (SCF)	99218		
5 Days Ago Flow (SCF)	99594	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	98584	Area #1 LEL	2
7 Days Ago Flow (SCF)	58609	Area #2 LEL	2

Date And Time			
Date	8/30/10	Time	7:34

KEY

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

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

Date	8/31/10	**Time**	7:30
Technician	C OBrien	Wind Speed/Direction	5-10 NW
Ambient Temperature (°F)	75°	Barometric Pressure (in Hg)	30.16
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)	16.6		Nitrogen Pressure (psi)	1920
Carbon Dioxide (% Vol)	17.3		Blower Inlet Valve (% Open)	30%
Oxygen (% Vol)	1.1		Blower Inlet Temp. (°F)	90
Balance Gas (% Vol)	64.3		Blower Discharge Temp. (°F)	140
Inlet Vacuum (in WC)	-10.36			

FLARE STATION		
Flare Inlet Pressure (in WC)	.27	
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)	-9.7	Top Flare Temp. (°F)	1456
Flow Rate (SCFM)	70	Middle Flare Temp. (°F)	1563
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1498
Blower Current (Amps)	5.1	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1456	Louver Position (% Closed)	92
Flare Middle Temp. (°F)	1563	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1494	Control Mode	Auto
Area LEL (%)	2		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.1	Current Flow (SCFM)	68
Blower **301** Current **(Hours)**	16205	Today's Total Flow (SCF)	27796
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	191685145
Blower **302** Current **(Hours)**	16807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	100402	Resettable Total Flow (SCF)	81000939
2 Days Ago Flow (SCF)	100500	Reset Time	11:33:3
3 Days Ago Flow (SCF)	99914	Reset Date	1/12/08
4 Days Ago Flow (SCF)	99763		
5 Days Ago Flow (SCF)	99218	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	99594	Area #1 LEL	2
7 Days Ago Flow (SCF)	98584	Area #2 LEL	2

Date And Time			
Date	8/31/10	Time	7:40

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

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

08/02/2010 7:50 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1041.0 GAL

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

08/03/2010 7:52 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1041.0 GAL

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

08/04/2010 7:29 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1041.0 GAL

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

08/05/2010 7:43 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1041.0 GAL

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

08/06/2010 7:59 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1041.0 GAL

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

08/09/2010 8:28 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1041.0 GAL

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

08/10/2010 8:09 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1041.0 GAL

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

08/11/2010 7:41 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1041.0 GAL

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

08/12/2010 7:18 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1041.0 GAL

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

08/13/2010 7:40 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1041.0 GAL

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

08/16/2010 7:45 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1041.0 GAL

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

08/17/2010 7:28 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1041.0 GAL

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

08/18/2010 9:08 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1041.0 GAL

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

08/19/2010 10:27 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1041.0 GAL

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

08/20/2010 9:35 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1041.0 GAL

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

08/23/2010 10:56 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1041.0 GAL

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

08/24/2010 7:53 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1041.0 GAL

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

08/25/2010 7:50 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1041.0 GAL

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

08/26/2010 7:28 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1041.0 GAL

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

08/27/2010 7:59 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1040.9 GAL

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

08/30/2010 7:38 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1040.8 GAL

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

08/31/2010 7:48 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1040.8 GAL

PENNSYLVANIA AVENUE LANDFILL						Month:	**September**			Year:	**2010**			**LFG-1**	
		WEATHER				**FLARE TEMPERATURE**							**FLARE STATION**		
DATE	TIME	Weather	Ambient Temp (ºF)	Wind Speed/Direction	Barometric Pressure (in Hg)	Top Flare Temp. (ºF)	Middle Flare Temp. (ºF)	Bottom Flare Temp. (ºF)	Controlling Thermo-couple	Louver Position (% Closed)	Control Temp. (SP)	Control Mode	Flare Inlet Pressure (in WC)	Flame Arrestor Differential Pressure (in WC)	Aux Fuel Pressure (in WC) Natural Gas
1	7:40	Sunny	75	Calm	30.08	1340	0	1525	Bottom	90	1500	Auto	0.46	0	0
2	11:15	Sunny	83	9/SSW	30.01	1470	1550	1500	Bottom	88	1500	Auto	0.41	0	0
3	8:20	Partly Sunny	79	8/NNE	29.81	1464	0	1498	Bottom	87	1500	Auto	0.32	0	0
4															
5															
6															
7	7:45	Sunny	68	8/SW	30.20	1384	1485	1491	Bottom	100	1500	Auto	0.33	0	0
8	7:50	Partly Sunny	76	15/WSW	29.81	1427	1641	1579	Bottom	96	1500	Auto	0.32	0	0
9	7:20	Partly cloudy	64	10/NW	29.79	1462	1563	1506	Bottom	93	1500	Auto	0.46	0	0
10	8:00	Partly cloudy		10/NW	29.83	1450	1575	1513	Bottom	93	1500	Auto	0.38	0	0
11															
12															
13	8:45	Overcast	64	5/WSW	30.02	1452	0	1496	Bottom	88	1500	Auto	0.39	0	0
14	9:00	Sunny	68	10/WNW	29.91	1412	1544	1494	Bottom	100	1500	Auto	0.32	0	0
15	9:00	Sunny	60	10/WNW	30.08	1315	1470	1394	Bottom	100	1500	Auto	0.39	0	0
16	8:30	Sunny	60	10/SE	30.16	1490	1573	1515	Bottom	89	1500	Auto	0.37	0	0
17	8:45	Overcast	68	5/NW	29.84	1446	1541	1491	Bottom	93	1500	Auto	0.42	0	0
18															
19															
20	8:50	Sunny	62	10/NW	29.98	1461	1596	1561	Bottom	97	1500	Auto	0.41	0	0
21	8:35	Sunny	60	10/S	30.22	1393	1503	1486	Bottom	94	1500	Auto	0.40	0	0
22	8:00	Sunny	65	10/SW	30.09	1194	1728	1420	Bottom	100	1500	Auto	0.32	0	0
23	9:15	Partly cloudy	68	5/ENE	30.15	1434	1554	1512	Bottom	94	1500	Auto	0.41	0	0
24	7:45	Overcast	68	10/S	30.13	1490	1583	1522	Bottom	91	1500	Auto	0.37	0	0
25															
26															
27	9:00	Overcast	63	10/ESE	30.06	1450	1548	1507	Bottom	90	1500	Auto	0.34	0	0
28	8:10	Overcast	72	15/S	29.78	1470	0	1503	Bottom	89	1500	Auto	0.28	0	0
29	12:30	Partly cloudy	75	7/SSW	29.97	1427	0	1476	Bottom	94	1500	Auto	0.39	0	0
30	9:45	Overcast	72	25/SE	29.82	1423	1483	1502	Bottom	90	1500	Auto	0.31	0	0

PENNSYLVANIA AVENUE LANDFILL		Month: **September**									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	7:40	-10.1	69	0	5	1342	0	1525	2	2	2	72	27,662	191,785,509	100,430
2	11:15	-8.9	72	0	4.9	1473	1554	1500	3	3	3	70	42,488	191,900,365	100,098
3	8:20	-10.1	71	0	5	1462	0	1498	3	2	3	72	30,930	191,988,527	99,720
4															52,964
5															0
6															0
7	7:45	-9.9	67	0	5.2	1393	1498	1501	3	2	3	65	382	192,010,943	0
8	7:50	-8.6	71	0	5	1423	1655	1575	3	2	3	74	26,424	192,107,807	70,822
9	7:20	-9.5	70	0	5.1	1461	1560	1505	3	3	3	71	26,343	192,204,815	97,089
10	8:00	-9.6	69	0	5.1	1448	1564	1510	3	2	3	69	29,432	192,307,181	99,209
11															97,606
12															99,598
13	8:45	-10.1	72	0	5.1	1452	0	1495	3	3	3	71	32,407	192,607,381	100,089
14	9:00	-10.3	72	0	5.1	1407	1537	1494	3	2	3	69	33,787	192,681,155	72,394
15	9:00	-9.5	68	0	5.1	1309	1460	1388	3	2	3	65	31,931	192,777,749	98,383
16	8:30	-10.1	72	0	5.1	1491	1577	1514	3	3	3	69	31,401	192,867,847	90,625
17	8:45	-7.5	69	0	5	1449	1544	1491	3	3	3	69	33,146	192,962,358	92,765
18															99,981
19															100,620
20	8:50	-9.4	69	0	5.1	1457	1608	1557	3	3	3	71	33,517	193,264,699	101,440
21	8:35	-10.1	69	0	5.1	1405	1505	1487	2	2	2	69	31,926	193,363,584	100,476
22	8:00	-11.4	71	0	5	1170	0	1376	3	3	3	69	463	193,368,860	36,739
23	9:15	-10.5	71	0	5.1	1434	1553	1512	3	2	3	70	34,683	193,470,217	67,137
24	7:45	-9.4	69	0	5.1	1490	1581	1521	4	3	4	72	28,722	193,564,539	100,283
25															100,326
26															100,375
27	9:00	-10.2	71	0	5.2	1448	1541	1506	4	3	4	71	33,806	193,871,125	99,801
28	8:10	-11.9	70	0	5.1	1468	0	1501	4	3	4	70	30,266	193,968,683	101,028
29	12:30	-8.2	72	0	5.1	1427	0	1475	3	2	3	70	48,593	194,088,221	101,281
30	9:45	-11.8	67	0	5.1	1425	1510	1503	4	3	4	69	37,081	194,177,186	100,477
														1-Oct	101,100
														Sept. 2010 Total Flow:	**2,482,426**

PENNSYLVANIA AVENUE LANDFILL		Month: **September**		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	7:40	301	17.2	17.8	1.1	63.9	-10.5	10	0	1950	30	92	143	5.0	16229	0	15807
2	11:15	301	16.7	16.0	1.6	65.7	-9.5	10	0	1950	30	90	140	4.9	16256	0	15807
3	8:20	301	18.1	18.1	0.7	63.1	-9.7	10	0	1950	30	92	140	5.0	16278	0	15807
4																	
5																	
6																	
7	7:45	301	19.0	18.3	0.4	62.3	-9.4	10	0	1950	30	97	90	5.2	16283	0	15807
8	7:50	301	19.5	18.1	0.6	61.8	-9.5	10	0	1900	30	90	114	5.0	16306	0	15807
9	7:20	301	18.1	18.2	0.9	62.8	-9.7	10	0	1850	30	84	126	5.1	16330	0	15807
10	8:00	301	17.7	17.8	1.3	63.2	-9.5	10	0	1850	30	84	128	5.1	16355	0	15807
11																	
12																	
13	8:45	301	18.1	18.4	1.0	62.5	-9.8	10	0	1800	30	82	126	5.1	16427	0	15807
14	9:00	301	18.3	18.5	0.8	62.4	-9.5	10	0	1800	30	84	128	5.1	16445	0	15807
15	9:00	301	15.9	17.5	1.3	65.3	-9.6	10	0	1600	30	85	116	5.1	16467	0	15807
16	8:30	301	17.2	17.5	1.4	63.9	-9.7	10	0	1500	30	83	126	5.1	16489	0	15807
17	8:45	301	18.1	18.0	0.6	63.3	-9.8	10	0	1500	30	84	138	5.0	16511	0	15807
18																	
19																	
20	8:50	301	17.6	17.7	1.2	63.5	-9.8	10	0	1500	30	82	120	5.1	16584	0	15807
21	8:35	301	16.0	17.3	1.6	65.1	-10.0	10	0	1500	30	81	130	5.1	16607	0	15807
22	8:00	301	29.1	20.6	0.0	50.3	-9.2	10	0	1300	30	94	84	5.0	16608	0	15807
23	9:15	301	16.3	17.1	1.6	65.0	-9.6	10	0	1250	30	85	131	5.1	16633	0	15807
24	7:45	301	17.5	17.7	1.3	63.5	-9.6	10	0	1250	30	84	138	5.1	16655	0	15807
25																	
26																	
27	9:00	301	17.7	18.0	1.0	63.3	-10.0	10	0	1250	30	80	113	5.2	16729	0	15807
28	8:10	301	19.9	18.7	0.5	60.9	-9.8	10	0	1250	30	82	114	5.1	16752	0	15807
29	12:30	301	17.2	17.7	0.0	65.1	-9.6	10	0	1250	30	88	134	5.0	16780	0	15807
30	9:45	301	19.8	18.7	0.0	61.5	-9.8	10	0	1250	30	83	118	5.1	16801	0	15807

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

Date		Landfill Gas System			Landfill - Cover & Stormwater Systems, Roads, etc.
		Hours On Line	Flare	LFG Collection - Extraction Wells	
Wednesday	1-Sep	23.5	During the month of September, 2,482,426 SCF of landfill gas was processed, and 278,700 SCF of natural gas was consumed to supplement the landfill gas.	All 46 landfill gas extraction wells were monitored this month.	9/2 - Mowed access to the groundwater monitoring wells and installed the groundwater monitoring pumps.
Thursday	2-Sep	24			
Friday	3-Sep	14			9/3 - the perimeter soil gas monitoring well readings were taken.
Weekend	4-Sep	0			
	5-Sep	0			
Monday	6-Sep	0	On the 1st and the 3rd the flare tripped out due to high temperature. On the first it was reset within 1/2 hour. On the 3rd, the autodialer malfunctioned and the outage was not discovered until after the holiday, and the flare was not reset until the 7th.		The quarterly groundwater monitoring event took place this month. On the 7th, the synoptic groundwater elevation readings were taken, and wells HP-104A and HP-603 were sampled. On the 8th, HP-103D and HP-407S were sampled. On the 9th, HP-407D, HP-407U and HP-101S. On September 10th, sampling was completed with wells HP-101U, HP-101D and HP-318.
Tuesday	7-Sep	15.5			
Wednesday	8-Sep	23.8			
Thursday	9-Sep	24			
Friday	10-Sep	23.8			
Weekend	11-Sep	24			
	12-Sep	24	On the 10th, false UV sensor alarm tripped the flare and FDNY responded.		
Monday	13-Sep	17			9/24 - Executed the semi-annual landfill surface gas readings. There were no hits throughout the landfill.
Tuesday	14-Sep	23.7	On the 13th, FDNY responded to a false UV sensor alarm. Flare continued to trip out on false alarms and high temp, and did not remain on until 4:30 pm.		
Wednesday	15-Sep	21			
Thursday	16-Sep	21.5			
Friday	17-Sep	24			
Weekend	18-Sep	24	On the 14th and 15th, FDNY response to false UV sensor alarm		
	19-Sep	24			
Monday	20-Sep	24	On the 15th, fire alarm engineer on site to repair UV sensors. Cleaned and reset; however, sensors need to be replaced.		
Tuesday	21-Sep	9			
Wednesday	22-Sep	22.7			
Thursday	23-Sep	24	On the 16, FDNY responded to a false alarm, and the UV sensors tripped the flare a few more times without required FDNY response.		
Friday	24-Sep	24			
Weekend	25-Sep	24			
	26-Sep	24	On the 21st, again FDNY responded to a false alarm. One UV sensor was removed and sent to Det-Tronics for testing and repair.		
Monday	27-Sep	24			
Tuesday	28-Sep	24			
Wednesday	29-Sep	24	On the 22nd, flare down for 2.5 hours due to flame failure.		
Thursday	30-Sep	24			

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

Date	9/1/10	**Time**	7:40
Technician	NS	Wind Speed/Direction	Calm
Ambient Temperature (°F)	75°	Barometric Pressure (in Hg)	30.08
Weather	Sunny	**GEM I.D.**	GM09087

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)	17.2		Nitrogen Pressure (psi)	1950	
Carbon Dioxide (% Vol)	17.8		Blower Inlet Valve (% Open)	30	
Oxygen (% Vol)	1.1		Blower Inlet Temp. (°F)	92	
Balance Gas (% Vol)	64.5		Blower Discharge Temp. (°F)	143	
Inlet Vacuum (in WC)	-10.52				

FLARE STATION		
Flare Inlet Pressure (in WC)	.458	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	-10.1	Top Flare Temp. (°F)	1340
Flow Rate (SCFM)	69	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1525
Blower Current (Amps)	5	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1342	Louver Position (% Closed)	90
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1525	Control Mode	Auto
Area LEL (%)	2		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5	Current Flow (SCFM)	72
Blower **301** Current **(Hours)**	16229	Today's Total Flow (SCF)	27662
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	191785509
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	100430	Resettable Total Flow (SCF)	81101234
2 Days Ago Flow (SCF)	100402	Reset Time	11:3313
3 Days Ago Flow (SCF)	100500	Reset Date	11/21/08
4 Days Ago Flow (SCF)	99941		
5 Days Ago Flow (SCF)	99763	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	99218	Area #1 LEL	2
7 Days Ago Flow (SCF)	99594	Area #2 LEL	2

Date And Time			
Date	9/1/10	Time	7:45

KEY

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

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

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

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

Date	9/2/10	**Time**	11:15
Technician	NS	Wind Speed/Direction	9 SSW
Ambient Temperature (°F)	83	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)	16.7		Nitrogen Pressure (psi)	1950
Carbon Dioxide (% Vol)	16.0		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	1.6		Blower Inlet Temp. (°F)	90
Balance Gas (% Vol)	65.5		Blower Discharge Temp. (°F)	140
Inlet Vacuum (in WC)	-9.475			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.410	
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)	8.9	Top Flare Temp. (°F)	1470
Flow Rate (SCFM)	72	Middle Flare Temp. (°F)	1550
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1500
Blower Current (Amps)	4.9	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1473	Louver Position (% Closed)	88
Flare Middle Temp. (°F)	1554	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1500	Control Mode	Auto
Area LEL (%)	3		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	4.9	Current Flow (SCFM)	70
Blower **301** Current **(Hours)**	16256	Today's Total Flow (SCF)	43488
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	191900365
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	100098	Resettable Total Flow (SCF)	8121657
2 Days Ago Flow (SCF)	100430	Reset Time	11:33:3
3 Days Ago Flow (SCF)	100402	Reset Date	11/2/108
4 Days Ago Flow (SCF)	100500		
5 Days Ago Flow (SCF)	99914	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	99763	Area #**1** LEL	3
7 Days Ago Flow (SCF)	99218	Area #**2** LEL	3

Date And Time			
Date	9A-SEP-10	Time	11:14:56

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	9/3/10	**Time**	8:20
Technician	NS	Wind Speed/Direction	8 NNE
Ambient Temperature (°F)	79	Barometric Pressure (in Hg)	29.81
Weather	Partly 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)	18.1		Nitrogen Pressure (psi)	1950
Carbon Dioxide (% Vol)	18.1		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.7		Blower Inlet Temp. (°F)	92
Balance Gas (% Vol)	63.0		Blower Discharge Temp. (°F)	140
Inlet Vacuum (in WC)	-9.671			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.323	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	10.1	Top Flare Temp. (°F)	1464
Flow Rate (SCFM)	71	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1498
Blower Current (Amps)	5.0	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1462	Louver Position (% Closed)	87
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1498	Control Mode	Auto
Area LEL (%)	3		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.0	Current Flow (SCFM)	72
Blower **301** Current **(Hours)**	16278	Today's Total Flow (SCF)	30930
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	191928527
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	99720	Resettable Total Flow (SCF)	81304322
2 Days Ago Flow (SCF)	100098	Reset Time	11:33:3
3 Days Ago Flow (SCF)	100430	Reset Date	11/21/08
4 Days Ago Flow (SCF)	100402		
5 Days Ago Flow (SCF)	100500	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	99914	Area #**1** LEL	2
7 Days Ago Flow (SCF)	99763	Area #**2** LEL	3

Date And Time			
Date	03-SEP-10	Time	8:24:34

KEY

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

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

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

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

Date	9/7/10	**Time**	7:45
Technician	NS	Wind Speed/Direction	8 SW
Ambient Temperature (°F)	70	Barometric Pressure (in Hg)	30.20
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)	19.0		Nitrogen Pressure (psi)	1950
Carbon Dioxide (% Vol)	18.3		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.4		Blower Inlet Temp. (°F)	97
Balance Gas (% Vol)	62.4		Blower Discharge Temp. (°F)	90
Inlet Vacuum (in WC)	-9.354			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.33	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	9.9	Top Flare Temp. (°F)	1384
Flow Rate (SCFM)	67	Middle Flare Temp. (°F)	1485
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1491
Blower Current (Amps)	5.2	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1393	Louver Position (% Closed)	100
Flare Middle Temp. (°F)	1498	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1501	Control Mode	Manual
Area LEL (%)	3		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.2	Current Flow (SCFM)	65
Blower **301** Current **(Hours)**	16283	Today's Total Flow (SCF)	382
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	1920109 43
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	0	Resettable Total Flow (SCF)	81326734
2 Days Ago Flow (SCF)	0	Reset Time	11:33:3
3 Days Ago Flow (SCF)	0	Reset Date	11/21/08
4 Days Ago Flow (SCF)	52964		
5 Days Ago Flow (SCF)	99720	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	100098	Area #**1** LEL	2
7 Days Ago Flow (SCF)	100430	Area #**2** LEL	3

Date And Time			
Date	07 SEP 10	Time	7:49:15

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	9/8/10	**Time**	7:50
Technician	NS	Wind Speed/Direction	15 WSW
Ambient Temperature (°F)	76	Barometric Pressure (in Hg)	29.81
Weather	Partly 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)	19.5		Nitrogen Pressure (psi)	1900
Carbon Dioxide (% Vol)	18.1		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.6		Blower Inlet Temp. (°F)	90
Balance Gas (% Vol)	61.6		Blower Discharge Temp. (°F)	114
Inlet Vacuum (in WC)	-9.520			

FLARE STATION

Flare Inlet Pressure (in WC)	0.322	
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)	8.6	Top Flare Temp. (°F)	1427
Flow Rate (SCFM)	71	Middle Flare Temp. (°F)	1641
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1579
Blower Current (Amps)	5.0	Controlling Thermocouple	~~Top~~ Bottom
Flare Top Temp. (°F)	1423	Louver Position (% Closed)	96
Flare Middle Temp. (°F)	1655	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1573	Control Mode	Auto
Area LEL (%)	3		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.0	Current Flow (SCFM)	74
Blower **301** Current **(Hours)**	16306	Today's Total Flow (SCF)	26424
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	192107807
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	70822	Resettable Total Flow (SCF)	81423532
2 Days Ago Flow (SCF)	0	Reset Time	11:33:3
3 Days Ago Flow (SCF)	0	Reset Date	11/21/08
4 Days Ago Flow (SCF)	0		
5 Days Ago Flow (SCF)	52964	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	99220	Area #**1** LEL	2
7 Days Ago Flow (SCF)	100098	Area #**2** LEL	3

Date And Time			
Date	08-SEP-10	Time	8:00:09

7:15 Flare Restart at 7:48 am - 4' temp Shut down at

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	9/9/10	**Time**	7:20
Technician	NS	Wind Speed/Direction	10 NW
Ambient Temperature (°F)	64	Barometric Pressure (in Hg)	29.79
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)	18.1		Nitrogen Pressure (psi)	1850
Carbon Dioxide (% Vol)	18.2		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.9		Blower Inlet Temp. (°F)	84
Balance Gas (% Vol)	62.5		Blower Discharge Temp. (°F)	126
Inlet Vacuum (in WC)	-9.678			

FLARE STATION		
Flare Inlet Pressure (in WC)	9.961	
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)	9.5	Top Flare Temp. (°F)	1462
Flow Rate (SCFM)	79	Middle Flare Temp. (°F)	1563
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1506
Blower Current (Amps)	5.1	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1461	Louver Position (% Closed)	93
Flare Middle Temp. (°F)	1560	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1505	Control Mode	Auto
Area LEL (%)	3		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.1	Current Flow (SCFM)	71
Blower **301** Current **(Hours)**	16330	Today's Total Flow (SCF)	26343
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	19220485
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	97089	Resettable Total Flow (SCF)	81520611
2 Days Ago Flow (SCF)	70822	Reset Time	11:33:3
3 Days Ago Flow (SCF)	0	Reset Date	11/21/08
4 Days Ago Flow (SCF)	0		
5 Days Ago Flow (SCF)	0	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	52964	Area #**1** LEL	3
7 Days Ago Flow (SCF)	99720	Area #**2** LEL	3

Date And Time			
Date	09-SEP-10	Time	7:23:29

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	9/10/10	**Time**	8:00
Technician	NS	Wind Speed/Direction	10 NW
Ambient Temperature (°F)		Barometric Pressure (in Hg)	29.85
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)	17.7		Nitrogen Pressure (psi)	1850
Carbon Dioxide (% Vol)	17.8		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	1.3		Blower Inlet Temp. (°F)	84
Balance Gas (% Vol)	62.9		Blower Discharge Temp. (°F)	128
Inlet Vacuum (in WC)	-9.512			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.379	
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)	9.6	Top Flare Temp. (°F)	1450
Flow Rate (SCFM)	69	Middle Flare Temp. (°F)	1575
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1513
Blower Current (Amps)	5.1	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1448	Louver Position (% Closed)	93
Flare Middle Temp. (°F)	1564	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1510	Control Mode	Auto
Area LEL (%)	3		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.1	Current Flow (SCFM)	69
Blower **301** Current **(Hours)**	16355	Today's Total Flow (SCF)	29432
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	1 923071 851
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	99209	Resettable Total Flow (SCF)	81622906
2 Days Ago Flow (SCF)	97089	Reset Time	11:33:3
3 Days Ago Flow (SCF)	70822	Reset Date	11/21/08
4 Days Ago Flow (SCF)	0		
5 Days Ago Flow (SCF)	0	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	0	Area #**1** LEL	2
7 Days Ago Flow (SCF)	52964	Area #**2** LEL	3

Date And Time			
Date	10-SEP-10	Time	8:07:37

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	9/13/10	**Time**	8:45
Technician	NS	Wind Speed/Direction	5-10 WSW
Ambient Temperature (°F)	64	Barometric Pressure (in Hg)	30.02
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)	18.1		Nitrogen Pressure (psi)	1800
Carbon Dioxide (% Vol)	18.4		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	1.0		Blower Inlet Temp. (°F)	82
Balance Gas (% Vol)	62.4		Blower Discharge Temp. (°F)	126
Inlet Vacuum (in WC)	-9.767			

FLARE STATION	
Flare Inlet Pressure (in WC)	~~-9.767~~ .387
Flame Arrestor Differential Pressure (in WC)	0
Aux Fuel Pressure (in WC) - Natural Gas	0

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	10.1	Top Flare Temp. (°F)	1452
Flow Rate (SCFM)	72	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1496
Blower Current (Amps)	5.1	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1452	Louver Position (% Closed)	88
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1495	Control Mode	Auto
Area LEL (%)	3		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.1	Current Flow (SCFM)	71
Blower **301** Current **(Hours)**	16927	Today's Total Flow (SCF)	33407
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	1926073871
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	100089	Resettable Total Flow (SCF)	81923179
2 Days Ago Flow (SCF)	99598	Reset Time	11:33:3
3 Days Ago Flow (SCF)	97606	Reset Date	11/21/08
4 Days Ago Flow (SCF)	99209		
5 Days Ago Flow (SCF)	97089	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	70822	Area #**1** LEL	3
7 Days Ago Flow (SCF)	0	Area #**2** LEL	3

Date And Time			
Date	13-SEP-10	Time	8:44:20

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

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

Date	9/14/10	**Time**	9:00
Technician	NS	Wind Speed/Direction	10 WNW
Ambient Temperature (°F)	68	Barometric Pressure (in Hg)	29.91
Weather	Sunny	**GEM I.D.**	GM090P7

BLOWER STATION			
Blowers Status **301** (circle)	(On) Off	Demister Inlet Valve Position (% Open)	30
Blowers Status **302** (circle)	On (Off)	Demister Differential Pressure (in WC)	0
Methane (% Vol)	18.3	Nitrogen Pressure (psi)	1800
Carbon Dioxide (% Vol)	18.5	Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.8	Blower Inlet Temp. (°F)	84
Balance Gas (% Vol)	62.2	Blower Discharge Temp. (°F)	128
Inlet Vacuum (in WC)	-9.511		

FLARE STATION		
Flare Inlet Pressure (in WC)	0.317	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	10.3	Top Flare Temp. (°F)	1412
Flow Rate (SCFM)	72	Middle Flare Temp. (°F)	1544
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1494
Blower Current (Amps)	5.1	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1407	Louver Position (% Closed)	100
Flare Middle Temp. (°F)	1537	Control Temperature (SP)	~~1~~ 1500
Flare Bottom Temp. (°F)	1494	Control Mode	Auto
Area LEL (%)	3		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.1	Current Flow (SCFM)	69
Blower **301** Current **(Hours)**	16445	Today's Total Flow (SCF)	33787
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	192681155
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	72394	Resettable Total Flow (SCF)	6 8199688o
2 Days Ago Flow (SCF)	100089	Reset Time	11:33:3
3 Days Ago Flow (SCF)	99598	Reset Date	11/21/08
4 Days Ago Flow (SCF)	97606		
5 Days Ago Flow (SCF)	99209	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	97089	Area #1 LEL	2
7 Days Ago Flow (SCF)	70822	Area #2 LEL	3

Date And Time			
Date	14-SEP-10	Time	9:04:13

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	9/15/10	**Time**	9:00
Technician	NS	Wind Speed/Direction	10 WNW
Ambient Temperature (°F)	60	Barometric Pressure (in Hg)	30.08
Weather	Sunny	**GEM I.D.**	GM 99087

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)	15.9		Nitrogen Pressure (psi)	1600
Carbon Dioxide (% Vol)	17.5		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	1.3		Blower Inlet Temp. (°F)	85
Balance Gas (% Vol)	65.2		Blower Discharge Temp. (°F)	116
Inlet Vacuum (in WC)	-9.587			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.385	
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)	9.5	Top Flare Temp. (°F)	1315
Flow Rate (SCFM)	68	Middle Flare Temp. (°F)	1470
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1394
Blower Current (Amps)	5.1	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1309	Louver Position (% Closed)	100
Flare Middle Temp. (°F)	1460	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1388	Control Mode	Manual
Area LEL (%)	3		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.1	Current Flow (SCFM)	65
Blower **301** Current **(Hours)**	16467	Today's Total Flow (SCF)	31931
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	1927 7749
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	98383	Resettable Total Flow (SCF)	8209 3474
2 Days Ago Flow (SCF)	72394	Reset Time	11:33:3
3 Days Ago Flow (SCF)	100089	Reset Date	11/21/08
4 Days Ago Flow (SCF)	99598		
5 Days Ago Flow (SCF)	97606	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	99209	Area **#1** LEL	2
7 Days Ago Flow (SCF)	97089	Area **#2** LEL	3

7:53
9/15/10

Date And Time			
Date	15-SEP-10	Time	

KEY

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

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

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

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

Date	9/16/10	**Time**	8:50
Technician	NS	Wind Speed/Direction	10 SE
Ambient Temperature (°F)	60	Barometric Pressure (in Hg)	30.16
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)	17.2		Nitrogen Pressure (psi)	1500
Carbon Dioxide (% Vol)	17.5		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	1.4		Blower Inlet Temp. (°F)	83
Balance Gas (% Vol)	63.7		Blower Discharge Temp. (°F)	126
Inlet Vacuum (in WC)	-9.660			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.369	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	10.1	Top Flare Temp. (°F)	1490
Flow Rate (SCFM)	72	Middle Flare Temp. (°F)	1573
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1515
Blower Current (Amps)	5.1	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1491	Louver Position (% Closed)	89
Flare Middle Temp. (°F)	1577	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1514	Control Mode	Auto
Area LEL (%)	3		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.1	Current Flow (SCFM)	69
Blower **301** Current **(Hours)**	16489	Today's Total Flow (SCF)	31401
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	192867847
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	90625	Resettable Total Flow (SCF)	82183572
2 Days Ago Flow (SCF)	98383	Reset Time	8
3 Days Ago Flow (SCF)	72394	Reset Date	9
4 Days Ago Flow (SCF)	100089		
5 Days Ago Flow (SCF)	99598	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	97606	Area **#1** LEL	3
7 Days Ago Flow (SCF)	99209	Area **#2** LEL	3

Date And Time			
Date	16-SEP-10	Time	8:29:15

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	9/17/10	**Time**	8:45
Technician	NS	Wind Speed/Direction	5-10 NW
Ambient Temperature (°F)	68	Barometric Pressure (in Hg)	29.84
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)	18.1		Nitrogen Pressure (psi)	1500
Carbon Dioxide (% Vol)	18.0		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.6		Blower Inlet Temp. (°F)	84
Balance Gas (% Vol)	63.2		Blower Discharge Temp. (°F)	138
Inlet Vacuum (in WC)	-9.763			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.416	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	7.5	Top Flare Temp. (°F)	1446
Flow Rate (SCFM)	69	Middle Flare Temp. (°F)	1541
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1491
Blower Current (Amps)	5.0	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1449	Louver Position (% Closed)	93
Flare Middle Temp. (°F)	1544	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1491	Control Mode	Auto
Area LEL (%)	3		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.0	Current Flow (SCFM)	69
Blower **301** Current **(Hours)**	16511	Today's Total Flow (SCF)	33146
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	192962358
Blower **302** Current **(Hours)**	15087		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	92765	Resettable Total Flow (SCF)	
2 Days Ago Flow (SCF)	90655	Reset Time	11:33:3
3 Days Ago Flow (SCF)	98383	Reset Date	11/21/08
4 Days Ago Flow (SCF)	72394		
5 Days Ago Flow (SCF)	100089	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	99598	Area #**1** LEL	3
7 Days Ago Flow (SCF)	97606	Area #**2** LEL	3

Date And Time			
Date	17-SEP-10	Time	8:52:53

KEY

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

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

Date	9/20/10	**Time**	8:50
Technician	NS	Wind Speed/Direction	10-20 N
Ambient Temperature (°F)	62	Barometric Pressure (in Hg)	29.98
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)	17.6		Nitrogen Pressure (psi)	1500
Carbon Dioxide (% Vol)	17.7		Blower Inlet Valve (% Open)	39
Oxygen (% Vol)	1.2		Blower Inlet Temp. (°F)	82
Balance Gas (% Vol)	63.3		Blower Discharge Temp. (°F)	120
Inlet Vacuum (in WC)	-9.251			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.410	
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)	1461
Flow Rate (SCFM)	69	Middle Flare Temp. (°F)	1596
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1561
Blower Current (Amps)	5.1	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1457	Louver Position (% Closed)	97
Flare Middle Temp. (°F)	1608	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1557	Control Mode	Auto
Area LEL (%)	3		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.1	Current Flow (SCFM)	71
Blower **301** Current **(Hours)**	16584	Today's Total Flow (SCF)	33517
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	193264699
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	101440	Resettable Total Flow (SCF)	82580492
2 Days Ago Flow (SCF)	100620	Reset Time	11:33:5
3 Days Ago Flow (SCF)	99981	Reset Date	11/21/08
4 Days Ago Flow (SCF)	92765		
5 Days Ago Flow (SCF)	90625	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	98383	Area #**1** LEL	3
7 Days Ago Flow (SCF)	72394	Area #**2** LEL	3

Date And Time			
Date	20-SEP-10	Time	8:53:17

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	9/21/10	**Time**	8:35
Technician	NS	Wind Speed/Direction	10-15 S
Ambient Temperature (°F)	60	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)	16.0	Nitrogen Pressure (psi)	1500
Carbon Dioxide (% Vol)	17.3	Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	1.6	Blower Inlet Temp. (°F)	81
Balance Gas (% Vol)	65.1	Blower Discharge Temp. (°F)	130
Inlet Vacuum (in WC)	-10.000		

FLARE STATION

Flare Inlet Pressure (in WC)	0.395	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	10.1	Top Flare Temp. (°F)	1393
Flow Rate (SCFM)	69	Middle Flare Temp. (°F)	1503
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1486
Blower Current (Amps)	5.1	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1405	Louver Position (% Closed)	94
Flare Middle Temp. (°F)	1505	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1487	Control Mode	Auto
Area LEL (%)	2		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.1	Current Flow (SCFM)	69
Blower **301** Current **(Hours)**	16609	Today's Total Flow (SCF)	31926
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	193363584
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	100476	Resettable Total Flow (SCF)	8267 9375
2 Days Ago Flow (SCF)	101440	Reset Time	11:33:3
3 Days Ago Flow (SCF)	100620	Reset Date	11/21/08
4 Days Ago Flow (SCF)	99981		
5 Days Ago Flow (SCF)	92765	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	90625	Area #1 LEL	2
7 Days Ago Flow (SCF)	98383	Area #2 LEL	2

Date And Time			
Date		Time	8:38:17

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	9/22/10	**Time**	8:00
Technician	NS	Wind Speed/Direction	10-15 SW
Ambient Temperature (°F)	65	Barometric Pressure (in Hg)	30.09
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)	29.1		Nitrogen Pressure (psi)	1300
Carbon Dioxide (% Vol)	20.6		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0		Blower Inlet Temp. (°F)	94
Balance Gas (% Vol)	50.2		Blower Discharge Temp. (°F)	89
Inlet Vacuum (in WC)	-9.188			

FLARE STATION		
Flare Inlet Pressure (in WC)	9.319	
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)	-11.4	Top Flare Temp. (°F)	1194
Flow Rate (SCFM)	71	Middle Flare Temp. (°F)	1728
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1420
Blower Current (Amps)	5.0	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1170	Louver Position (% Closed)	100
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1376	Control Mode	Manual
Area LEL (%)	3		

Blower Data		**Flow & Totalizer**	
Blower **301** Current (**Amps**)	5.0	Current Flow (SCFM)	69
Blower **301** Current (**Hours**)	16608	Today's Total Flow (SCF)	463
Blower **302** Current (**Amps**)	0	Total Flow (SCF)	193368860
Blower **302** Current (**Hours**)	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	36739	Resettable Total Flow (SCF)	86845 85
2 Days Ago Flow (SCF)	100476	Reset Time	11:33:5
3 Days Ago Flow (SCF)	101440	Reset Date	11/21/08
4 Days Ago Flow (SCF)	100620		
5 Days Ago Flow (SCF)	99981	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	92765	Area #**1** LEL	3
7 Days Ago Flow (SCF)	98383	Area #**2** LEL	3

Date And Time			
Date		Time	

KEY

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

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

Date	9/23/10	**Time**	9:15
Technician	NS	Wind Speed/Direction	5-10 ENE
Ambient Temperature (°F)	68	Barometric Pressure (in Hg)	30.15
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)	16.3	Nitrogen Pressure (psi)	1250
Carbon Dioxide (% Vol)	17.1	Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	1.6	Blower Inlet Temp. (°F)	85
Balance Gas (% Vol)	64.9	Blower Discharge Temp. (°F)	131
Inlet Vacuum (in WC)	-9.606		

FLARE STATION		
Flare Inlet Pressure (in WC)	0.410	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	10.5	Top Flare Temp. (°F)	1434
Flow Rate (SCFM)	71	Middle Flare Temp. (°F)	1554
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1512
Blower Current (Amps)	5.1	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1434	Louver Position (% Closed)	94
Flare Middle Temp. (°F)	1553	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1512	Control Mode	Auto
Area LEL (%)	3		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.1	Current Flow (SCFM)	70
Blower **301** Current **(Hours)**	16633	Today's Total Flow (SCF)	34683
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	1934702 1
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	67137	Resettable Total Flow (SCF)	8278592
2 Days Ago Flow (SCF)	36739	Reset Time	11:33:3
3 Days Ago Flow (SCF)	100476	Reset Date	11/21/08
4 Days Ago Flow (SCF)	101440		
5 Days Ago Flow (SCF)	100620	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	99981	Area #**1** LEL	2
7 Days Ago Flow (SCF)	92765	Area #**2** LEL	3

Date And Time			
Date	23-SEP-10	Time	9:18:51

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	9/24/10	**Time**	7:45
Technician	NS	Wind Speed/Direction	10-15 S
Ambient Temperature (°F)	68	Barometric Pressure (in Hg)	30.13
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)	17.5		Nitrogen Pressure (psi)	1250
Carbon Dioxide (% Vol)	17.7		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	1.3		Blower Inlet Temp. (°F)	84
Balance Gas (% Vol)	63.4		Blower Discharge Temp. (°F)	138
Inlet Vacuum (in WC)	-9.555			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.368	
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)	1490
Flow Rate (SCFM)	69	Middle Flare Temp. (°F)	1583
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1522
Blower Current (Amps)	5.1	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1490	Louver Position (% Closed)	91
Flare Middle Temp. (°F)	1581	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1521	Control Mode	Auto
Area LEL (%)	4		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.1	Current Flow (SCFM)	72
Blower **301** Current **(Hours)**	16655	Today's Total Flow (SCF)	28722
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	193564539
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	100283	Resettable Total Flow (SCF)	82880d64
2 Days Ago Flow (SCF)	67157	Reset Time	11:33:3
3 Days Ago Flow (SCF)	36739	Reset Date	11/21/08
4 Days Ago Flow (SCF)	100476		
5 Days Ago Flow (SCF)	101440	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	100620	Area #**1** LEL	3
7 Days Ago Flow (SCF)	99981	Area #**2** LEL	4

Date And Time			
Date	24-SEP-10	Time	7:48:40

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	9/27/10	**Time**	9:00
Technician	NS	Wind Speed/Direction	10-20 ESE
Ambient Temperature (°F)	63	Barometric Pressure (in Hg)	30.06
Weather	Overcast/Rain	**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)	17.7		Nitrogen Pressure (psi)	1250
Carbon Dioxide (% Vol)	18.0		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	1.0		Blower Inlet Temp. (°F)	89
Balance Gas (% Vol)	63.3		Blower Discharge Temp. (°F)	113
Inlet Vacuum (in WC)	-10.021			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.337	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	10.2	Top Flare Temp. (°F)	1450
Flow Rate (SCFM)	71	Middle Flare Temp. (°F)	1548
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1507
Blower Current (Amps)	5.2	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1448	Louver Position (% Closed)	90
Flare Middle Temp. (°F)	1541	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1506	Control Mode	Auto
Area LEL (%)	4		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.2	Current Flow (SCFM)	71
Blower **301** Current **(Hours)**	16729	Today's Total Flow (SCF)	33806
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	193871125
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	99801	Resettable Total Flow (SCF)	83186919
2 Days Ago Flow (SCF)	100375	Reset Time	11:33:3
3 Days Ago Flow (SCF)	100326	Reset Date	11/21/08
4 Days Ago Flow (SCF)	100283		
5 Days Ago Flow (SCF)	67137	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	36739	Area #**1** LEL	3
7 Days Ago Flow (SCF)	100476	Area #**2** LEL	4

Date And Time			
Date		Time	

KEY

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

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

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

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

Date	9/28/10	**Time**	8:19
Technician	NS	Wind Speed/Direction	15-25 S
Ambient Temperature (°F)	72	Barometric Pressure (in Hg)	29.78
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)	19.9		Nitrogen Pressure (psi)	1250
Carbon Dioxide (% Vol)	18.7		Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0.5		Blower Inlet Temp. (°F)	82
Balance Gas (% Vol)	60.7		Blower Discharge Temp. (°F)	114
Inlet Vacuum (in WC)	-9.810			

FLARE STATION		
Flare Inlet Pressure (in WC)	0.284	
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)	11.9	Top Flare Temp. (°F)	1470
Flow Rate (SCFM)	70	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1503
Blower Current (Amps)	5.1	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1468	Louver Position (% Closed)	89
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1501	Control Mode	Auto
Area LEL (%)	4		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.1	Current Flow (SCFM)	70
Blower **301** Current **(Hours)**	16752	Today's Total Flow (SCF)	30266
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	193968683
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	101028	Resettable Total Flow (SCF)	83284408
2 Days Ago Flow (SCF)	99801	Reset Time	11:33:3
3 Days Ago Flow (SCF)	100375	Reset Date	11/21/08
4 Days Ago Flow (SCF)	101326		
5 Days Ago Flow (SCF)	100283	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	67137	Area #1 LEL	3
7 Days Ago Flow (SCF)	36739	Area #2 LEL	4

Date And Time			
Date	28-SEP-10	Time	8:09:12

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	9/29/10	**Time**	12:30
Technician	NS	Wind Speed/Direction	7 SSW
Ambient Temperature (°F)	75	Barometric Pressure (in Hg)	29.97
Weather	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)	17.2	Nitrogen Pressure (psi)	1250
Carbon Dioxide (% Vol)	17.7	Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0	Blower Inlet Temp. (°F)	88
Balance Gas (% Vol)	65.1	Blower Discharge Temp. (°F)	134
Inlet Vacuum (in WC)	-9.619		

FLARE STATION		
Flare Inlet Pressure (in WC)	0.387	
Flame Arrestor Differential Pressure (in WC)	0	
Aux Fuel Pressure (in WC) - Natural Gas	0	

ANALOG DATA MENU

Process Overview (YIC-1 From Main Menu Screen)		**Flare Temperature**	
Landfill Vacuum (in WC)	8.2	Top Flare Temp. (°F)	1427
Flow Rate (SCFM)	72	Middle Flare Temp. (°F)	0
LFG Oxygen (%)	9	Bottom Flare Temp. (°F)	1476
Blower Current (Amps)	5.1	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1427	Louver Position (% Closed)	94
Flare Middle Temp. (°F)	0	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1475	Control Mode	Auto
Area LEL (%)	3		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.0	Current Flow (SCFM)	70
Blower **301** Current **(Hours)**	16780	Today's Total Flow (SCF)	48593
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	194088331
Blower **302** Current **(Hours)**	15807		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	101281	Resettable Total Flow (SCF)	83404015
2 Days Ago Flow (SCF)	101028	Reset Time	11:33:3
3 Days Ago Flow (SCF)	99801	Reset Date	11/21/08
4 Days Ago Flow (SCF)	100375		
5 Days Ago Flow (SCF)	101326	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	100283	Area #1 LEL	2
7 Days Ago Flow (SCF)	67137	Area #2 LEL	3

Date And Time			
Date	29-SEP-10	Time	12:38:47

KEY

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

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

Date	9/30/10	**Time**	9:45
Technician	NS	Wind Speed/Direction	25-35 SE
Ambient Temperature (°F)	72	Barometric Pressure (in Hg)	29.82
Weather	Overcast/Rain	**GEM I.D.**	GM12389

BLOWER STATION

Blowers Status **301** (circle)	(On) Off	Demister Inlet Valve Position (% Open)	10
Blowers Status **302** (circle)	On (Off)	Demister Differential Pressure (in WC)	0
Methane (% Vol)	19.8	Nitrogen Pressure (psi)	1250
Carbon Dioxide (% Vol)	18.7	Blower Inlet Valve (% Open)	30
Oxygen (% Vol)	0	Blower Inlet Temp. (°F)	83
Balance Gas (% Vol)	61.5	Blower Discharge Temp. (°F)	118
Inlet Vacuum (in WC)	-9.848		

FLARE STATION

Flare Inlet Pressure (in WC)	0.309	
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)	11.8	Top Flare Temp. (°F)	1403
Flow Rate (SCFM)	67	Middle Flare Temp. (°F)	1483
LFG Oxygen (%)	0	Bottom Flare Temp. (°F)	1502
Blower Current (Amps)	5.1	Controlling Thermocouple	Bottom
Flare Top Temp. (°F)	1425	Louver Position (% Closed)	90
Flare Middle Temp. (°F)	1510	Control Temperature (SP)	1500
Flare Bottom Temp. (°F)	1503	Control Mode	Auto
Area LEL (%)	4		

Blower Data		**Flow & Totalizer**	
Blower **301** Current **(Amps)**	5.1	Current Flow (SCFM)	69
Blower **301** Current **(Hours)**	16801	Today's Total Flow (SCF)	37081
Blower **302** Current **(Amps)**	0	Total Flow (SCF)	1'941'77186
Blower **302** Current **(Hours)**	15804		

7 Day Flow History		**Resettable Flow**	
Yesterday's Flow (SCF)	100477	Resettable Total Flow (SCF)	83492911
2 Days Ago Flow (SCF)	101281	Reset Time	11:33:3
3 Days Ago Flow (SCF)	101028	Reset Date	9/21/08
4 Days Ago Flow (SCF)	99801		
5 Days Ago Flow (SCF)	100375	**Area LEL** (Calibrated Detronics Methane Sensors)	
6 Days Ago Flow (SCF)	101326	Area #**1** LEL	3
7 Days Ago Flow (SCF)	100283	Area #**2** LEL	4

Date And Time			
Date	30-SEP-10	Time	9:48:11

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

Comp - 3809842 Non Comp - 0372886 43

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

09/01/2010 7:38 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1040.7 GAL

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

09/02/2010 11:15 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1040.8 GAL

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

09/03/2010 8:25 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1040.7 GAL

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

09/07/2010 7:46 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1040.4 GAL

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

09/08/2010 7:50 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1040.3 GAL

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

09/09/2010 7:25 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1040.2 GAL

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

09/10/2010 8:08 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1040.0 GAL

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

09/13/2010 8:45 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1039.7 GAL

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

09/14/2010 9:05 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1039.7 GAL

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

09/15/2010 9:01 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1039.7 GAL

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

09/16/2010 8:31 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1039.5 GAL

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

09/17/2010 8:54 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1039.4 GAL

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

09/20/2010 9:00 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1039.3 GAL

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

09/21/2010 8:40 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1039.1 GAL

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

09/22/2010 8:00 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1039.0 GAL

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

09/23/2010 9:22 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1038.9 GAL

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

09/24/2010 7:50 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1038.9 GAL

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

09/27/2010 9:05 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1038.7 GAL

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

09/28/2010 8:10 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1038.7 GAL

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

09/29/2010 12:38 PM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1038.7 GAL

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

09/30/2010 9:49 AM

TANK INVENTORY SUMMARY

(GROSS VOLUME)

TANK 1 1038.6 GAL

Landfill Gas Management System

LFG-2 Biweekly Inspections

(July, August and September, 2010)

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				MDG					
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

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

Date:		7/6/10					7/8/10				
Time:		2:30 PM					12:00 PM				
Technician:		MOG					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	✓					✓				
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: Condensate level sensor needs to be checked. Readings have not changed

*** SEE LOG FOR DETAILS OF SYSTEM SHUTDOWN AT 12:25 PM AFTER INSPECTIONS WERE COMPLETED

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

Date:		7/13/10				7/15/10					
Time:		7:30				7:45					
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:

Flare off at 13:15 7/12/10 - Reset at 7:30 7/13/10

Flare shut down at 15:00 7/14/10 - Reset at 7:37 7/15/10

Alarm - Flame fail

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

	Date:	7/20/10				7/22/10					
	Time:	8:10				7:55					
	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:	7/27/10				7/28/10					
	Time:	9:05									
	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:	8/3/10					8/5/10				
	Time:	7:45					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:	8/10/10					8/12/10				
	Time:	8:05									
	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:	8/17/10										8/19/10							
	Time:	7:30										10:25							
	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:	8/24/10					8/26/10						
	Time:	7:50					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:	8/31/10			9/2/10			
	Time:	7:40			11:15			
	Technician:	C. O'Brien			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:	9/7/10				9/9/10				
	Time:	7:45				7:25				
	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: Auto dialer not functioning properly

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

	Date:	9/14/10				9/16/10					
	Time:	9:00				8:30					
	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:	9/21/10					9/23/10				
	Time:	8:30					9:15				
	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										
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:	9/28/10					9/30/10			
	Time:	8:00					9:45			
	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:										

AUXILIARY / NATURAL GAS METER READINGS (X 100 = cubic feet)		
DATE	TEMPERATURE COMPENSATED (60 °F Base Temp)	NON-COMPENSATED
6/29/10	2829345	02770945
7/1/10	2829345	2770945

AUXILIARY / NATURAL GAS METER READINGS (X 100 = cubic feet)		
DATE	TEMPERATURE COMPENSATED (60 °F Base Temp)	NON-COMPENSATED
7/6/10	2829345	2770945
7/8/10	2829345	2790945

AUXILIARY / NATURAL GAS METER READINGS (X 100 = cubic feet)		
DATE	TEMPERATURE COMPENSATED (60 °F Base Temp)	NON-COMPENSATED
7/13/10	2829517	2771780
7/15/10	2844045	2785563

AUXILIARY / NATURAL GAS METER READINGS (X 100 = cubic feet)		
DATE	TEMPERATURE COMPENSATED (60 °F Base Temp)	NON-COMPENSATED
7/20/10	29199 91	02860132
7/22/10	2951443	02891167

AUXILIARY / NATURAL GAS METER READINGS (X 100 = cubic feet)		
DATE	TEMPERATURE COMPENSATED (60 °F Base Temp)	NON-COMPENSATED
7/27/10	30313 99	02969924
7/29/10	30628 13	03000860

AUXILIARY / NATURAL GAS METER READINGS (X 100 = cubic feet)		
DATE	TEMPERATURE COMPENSATED (60 °F Base Temp)	NON-COMPENSATED
8/3/10	3142503	03078637
8/5/10	31745 58	03110017

AUXILIARY / NATURAL GAS METER READINGS (X 100 = cubic feet)		
DATE	TEMPERATURE COMPENSATED (60 °F Base Temp)	NON-COMPENSATED
8/10/10	32551 62	03189203
8/12/10	32866 78	03220208

AUXILIARY / NATURAL GAS METER READINGS (X 100 = cubic feet)		
DATE	TEMPERATURE COMPENSATED (60 °F Base Temp)	NON-COMPENSATED
8/17/10	33679 40	03299116
8/19/10	34023 67	03332828

AUXILIARY / NATURAL GAS METER READINGS (X 100 = cubic feet)		
DATE	TEMPERATURE COMPENSATED (60 °F Base Temp)	NON-COMPENSATED
8/24/10	34270 92	03356979
8/26/10	34540 73	03382883

AUXILIARY / NATURAL GAS METER READINGS (X 100 = cubic feet)		
DATE	TEMPERATURE COMPENSATED (60 °F Base Temp)	NON-COMPENSATED
8/31/10	3522443	34499919
9/2/10	35516 79	03478907

AUXILIARY / NATURAL GAS METER READINGS (X 100 = cubic feet)		
DATE	TEMPERATURE COMPENSATED (60 °F Base Temp)	NON-COMPENSATED
8/31/10	3522443	3449919
9/2/10	35516 79	03478907

AUXILIARY / NATURAL GAS METER READINGS (X 100 = cubic feet)		
DATE	TEMPERATURE COMPENSATED (60 °F Base Temp)	NON-COMPENSATED
9/7/10	35668 96	034938 79
9/9/10	35944 10	03520747

AUXILIARY / NATURAL GAS METER READINGS (X 100 = cubic feet)		
DATE	TEMPERATURE COMPENSATED (60 °F Base Temp)	NON-COMPENSATED
9/14/10	36534 99	03577528
9/16/10	36730 86	03596360

AUXILIARY / NATURAL GAS METER READINGS (X 100 = cubic feet)		
DATE	TEMPERATURE COMPENSATED (60 °F Base Temp)	NON-COMPENSATED
9/21/10	37298 59	03651088
9/23/10	37394 44	03660399

AUXILIARY / NATURAL GAS METER READINGS (X 100 = cubic feet)		
DATE	TEMPERATURE COMPENSATED (60 °F Base Temp)	NON-COMPENSATED
9/28/10	37888 99	03708363
9/30/10	38098 42	03728643

DP-1

DESCRIPTION OF DEFICIENCIES AND PROBLEMS

LFG-2: Landfill Gas Flaring Station
Pennsylvania Avenue Landfill

September 2010

Inspected by: Nate Somerville

Date	Location	Description	Corrective Action	Status	Date Completed
9/10//10	Flare Station – UV flame detection	Det-Tronics UV flame detectors setting off false fire alarms	Tech serviced sensors and said that they needed replacement.	Sent one sensor to Det-Tronics for testing and repair.	

Landfill Gas Management System

LFG-3
Extraction Well Monitoring
Monthly Reports

(July, August and September, 2010)

Pennsylvania Avenue Landfill

Landfill Gas Extraction Well Report

July 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	7/29/10 11:36	7.9	19.7	0.0	72.4	0.013	80	Fully Closed	Top	
EW02	7/29/10 11:32	10.5	14.4	0.1	75.0	-0.035	70	Fully Closed	Over Valve	
EW03	7/29/10 11:27	21.1	19.3	0.0	59.6	-0.003	0	Fully Closed	Top	Temp. probe problems
EW04	7/30/10 14:11	12.2	4.2	0.0	83.6	-0.063	72	Fully Closed	Dry	
EW05	7/30/10 14:19	0.2	7.5	7.0	85.3	-0.058	61	Fully Closed	Dry	
EW06	7/30/10 14:26	6.2	6.2	0.0	87.6	-0.099	102	Throttled	Over Valve	
EW07	7/30/10 13:56	24.4	12.4	0.0	63.2	-0.008	65	Fully Closed	Top	
EW08	7/30/10 13:36	10.6	18.0	0.0	71.4	0.001	0	Fully Closed	Top	Temp. probe problems
EW09	7/30/10 10:23	15.7	19.3	0.0	65.0	-0.067	62	Fully Closed	Over Valve	
EW10	7/30/10 10:18	20.7	20.7	0.0	58.6	-0.036	70	Fully Closed	Top	
EW11	7/30/10 10:14	7.6	4.4	12.6	75.4	-0.097	66	Fully Closed	Under Valve	
EW12	7/29/10 13:41	9.3	13.4	0.0	77.3	0.101	52	Fully Closed	Under Valve	
EW13	7/30/10 9:58	20.6	24.6	0.1	54.7	-0.177	83	Fully Closed	Under Valve	
EW14	7/30/10 10:03	4.4	10.6	7.8	77.2	-0.200	63	Fully Closed	Under Valve	
EW15	7/29/10 12:09	1.7	15.7	0.0	82.6	>>>>	71	Fully Closed	Under Valve	
EW16	7/29/10 11:42	10.7	17.6	0.4	71.3	-0.125	71	Fully Closed	Under Valve	
EW17	7/29/10 11:47	37.2	27.5	1.3	34.0	-0.117	67	Fully Closed	Under Valve	
EW18	7/29/10 13:10	27.1	13.5	0.0	59.4	0.159	60	Fully Open	Over Valve	
EW19	7/29/10 13:18	9.7	1.5	14.2	74.6	0.145	71	Fully Open	Top	
EW20	7/29/10 11:56	15.7	15.9	3.3	65.1	-0.435	71	Fully Closed	Under Valve	
EW21	7/29/10 11:52	14.1	17.1	2.6	66.2	-0.023	70	Fully Closed	Under Valve	
EW22	7/29/10 13:25	10.6	16.9	0.0	72.5	0.071	95	Fully Closed	Over Valve	
EW23	7/29/10 12:01	5.1	9.8	5.2	79.9	-0.339	67	Fully Closed	Top	
EW24	7/30/10 9:52	21.6	19.7	0.0	58.7	-0.714	49	Throttled	Top	
EW25	7/29/10 13:30	15.1	14.9	2.4	67.6	0.171	63	Fully Closed	Under Valve	
EW26	7/29/10 13:37	24.6	14.2	0.0	61.2	<<<<	70	Fully Closed	Over Valve	
EW27	7/30/10 9:46	12.5	12.9	0.0	74.6	-0.214	60	Fully Closed	Over Valve	
EW28	7/30/10 13:12	28.9	15.3	0.0	55.8	0.028	65	Fully Open	Under Valve	
EW29	7/30/10 13:28	28.5	15.2	0.0	56.3	-0.753	90	Fully Open	Top	
EW30	7/30/10 13:32	22.9	18.9	0.0	58.2	-0.211	77	Fully Closed	Over Valve	
EW31	7/30/10 13:17	28.6	15.7	0.0	55.7	0.104	72	Throttled	Under Valve	
EW32	7/30/10 13:23	29.9	18.3	0.0	51.8	0.132	0	Throttled	Top	Temp probe problems
EW33	7/30/10 13:41	26.7	12.6	0.1	60.6	-1.388	80	Fully Open	Top	
EW34	7/30/10 11:21	27.1	14.2	0.0	58.7	-0.093	0	Fully Open	Top	Temp. probe problems
EW35	7/30/10 13:08	27.1	18.8	0.0	54.1	0.040	72	Fully Open	Top	
EW36	7/30/10 11:16	26.1	17.1	0.0	56.8	-3.613	67	Fully Open	Top	
EW37	7/30/10 11:29	29.4	16.5	0.0	54.1	0.165	0	Fully Open	Top	Temp probe problems
EW38	7/30/10 13:04	29.7	16.7	0.0	53.6	0.301	72	Fully Open	Top	
EW39	7/30/10 11:36	26.8	13.9	0.0	59.3	0.085	73	Fully Open	Top	
EW40	7/30/10 10:28	26.5	15.8	0.0	57.7	-0.027	0	Throttled	Top	Temp. probe problems
EW41	7/30/10 11:53	27.1	17.3	0.0	55.6	0.205	70	Throttled	Top	
EW42	7/30/10 11:39	26.5	14.4	0.0	59.1	0.112	68	Fully Open	Top	
EW43	7/30/10 10:50	22.8	11.0	3.8	62.4	-0.174	0	Fully Closed	Over Valve	Temp. probe problems
EW44	7/30/10 11:47	25.1	13.5	0.0	61.4	-0.043	90	Throttled	Top	
EW45	7/30/10 11:43	27.0	13.5	0.0	59.5	0.068	71	Throttled	Under Valve	
EW46	7/30/10 10:10	23.9	13.8	0.0	62.3	-0.126	65	Fully Closed	Top	

Pennsylvania Ave Landfill Gas Extraction Well Investigation **July 2010**

	Installed					Date	Valve		Well Sounding		Vault					Findings
	Elev.	Well Total Depth	Solid Pipe	Slotted pipe	Well Type		*Current Position*	Adjustment	Well Depth	Water Depth	Depth	Width	Length	Water Level	Vault Pump out?	
EW-01	22	20	10	10	B	22-Jul	Vault flooded. Pumped out. Full again before next rain event.									
EW-02	24	17.5	8.75	8.75	B	12-Jul	Closed	-		15	6	3	5	6	yes	
EW-03	29	12	7	5	B	15-Jul	Closed	-	12.1	11.8	5	3	5	5	yes	
EW-04	22	12	7	5	B	15-Jul	Closed		12.1	11.2					no	
EW-05	15	12	7	5	B	15-Jul	Closed	-	9.4	9.1	7	3	5		no	
EW-06	21	15	7.5	7.5	B											
EW-07	27	26	13	13	B											
EW-08	35	32	15	17	A											
EW-09	30	25	12.5	12.5	B											
EW-10	37	35	15	20	A											
EW-11	52	25	12.5	12.5	B											
EW-12	14	13	6.5	6.5	B	12-Jul	Closed	-	13.8	13.3	7	3	5	3	yes	
EW-13	12	12	7	5	B											
EW-14	21	15	7.5	7.5	B											
EW-15	21	16	8	8	B	15-Jul	Closed	-	12.5	12	7	3	5	1	yes	
EW-16	20	14	7	7	B	15-Jul	Closed	-	8.5	8.1	7	3	5	1	yes	
EW-17	24	22	11	11	B	15-Jul	Closed	-	20.4	19.2	7	3	5	2	yes	
EW-18	26	24	12	12	B						LFG and petroleum smell. Did not enter well.					
EW-19	38	25	12.5	12.5	B	12-Jul	Open	Closed	20.3	19.1	7	3	5	7	yes	
EW-20	31	28	14	14	B	12-Jul	Closed	-	24.8	24.7	7	3	5	2.5	yes	
EW-21	26	22	11	11	A	15-Jul	Closed	-	18	15.2	16.4	3	5	3	yes	
EW-22	34	32	15	17	A	12-Jul	Open	Closed	27.5	27.4	7	3	5	4	yes	
EW-23	32	31	15	16	A	12-Jul	Closed	-	25	24.5	7	3	5	7	yes	
EW-24	25	26	13	13	B	12-Jul	Closed	-	22.5	21.2	4.5	3	5	4.5	yes	
EW-25	32	28	14	14	B	12-Jul	Closed	-	23.8	23.5	7	3	5	3	yes	
EW-26	24	20	10	10	B	12-Jul	Closed	-	15.6	14.6	7	3	5	4	yes	
EW-27	28	19	9.5	9.5	B	12-Jul	Closed	-	16	15.6	7	3	5	3	yes	
EW-28	61	20	10	10	B	30-Jul	Open	-	16.7	16.5	8	3	7	8	yes	
EW-29	50	19	9.5	9.5	B	30-Jul	Open	-	16.35	16.1	5	3	7	5	yes	
EW-30	35	32.5	15	17.5	A											
EW-31	38	35	15	20	A	30-Jul	Open	-	27.5	27.3	8	3	7	8	yes	
EW-32	29	30	15	15	A											
EW-33	68	60	15	45	A	30-Jul	Open	-	55.7	-	5	3	7	5	yes	
EW-34	74	49	15	34	A	30-Jul	Open	-	47.1	46.1	5	3	7	5	yes	
EW-35	65	51	15	36	A	30-Jul	Open	-	41.7	41.5	5	3	7	5	yes	
EW-36	81	60	15	45	A	30-Jul	Open	-	57.2	56.2	5	3	7	5	yes	
EW-37	58	75	15	60	A											
EW-38	70	56	15	41	A											
EW-39	81	80	15	65	A	30-Jul			75.8	75.5	5	3	9	5	yes	Oil in well
EW-40	60	58	15	43	A											
EW-41	72	57	15	42	A											
EW-42	78	76	15	61	A											
EW-43	70	65	15	50	A											
EW-44	71	67	15	52	A											
EW-45	71	66	15	51	A											
EW-46	52	47.5	15	32.5	A											

Pennsylvania Avenue Landfill

Landfill Gas Extraction Well Report

August 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	8/9/10 10:27	8.5	20.5	0.0	71.0	0.014	84	Fully Closed	Under Valve	
EW02	8/9/10 10:19	11.3	15.0	0.1	73.6	-0.038	74	Fully Closed	Under Valve	
EW03	8/9/10 10:11	22.8	20.1	0.0	57.1	-0.003		Fully Closed	Under Valve	Temp. probe problems
EW04	8/9/10 9:48	13.2	4.4	0.0	82.5	-0.069	76	Fully Closed	Dry	
EW05	8/9/10 10:06	0.2	7.8	6.8	85.2	-0.063	64	Fully Closed	Dry	
EW06	8/9/10 10:00	6.7	6.4	0.0	86.9	-0.108	107	Throttled	Under Valve	
EW07	8/10/10 13:43	26.4	12.9	0.0	60.8	-0.009	68	Fully Closed	Under Valve	
EW08	8/10/10 13:23	11.4	18.7	0.0	69.8	0.001		Fully Closed	Under Valve	Temp. probe problems
EW09	8/10/10 10:10	17.0	20.1	0.0	63.0	-0.073	65	Fully Closed	Under Valve	
EW10	8/10/10 10:05	22.4	21.5	0.0	56.1	-0.039	74	Fully Closed	Dry	
EW11	8/10/10 10:01	8.2	4.6	12.2	75.0	-0.106	69	Fully Closed	Under Valve	
EW12	8/9/10 12:41	10.0	13.9	0.0	76.0	0.110	55	Fully Closed	Under Valve	
EW13	8/9/10 13:11	22.2	25.6	0.1	52.1	-0.193	87	Fully Closed	Under Valve	
EW14	8/9/10 13:19	4.8	11.0	7.6	76.7	-0.218	66	Fully Closed	Under Valve	
EW15	8/9/10 10:42	1.8	16.3	0.0	81.8		75	Fully Closed	Under Valve	Needs further inspection
EW16	8/9/10 10:32	11.6	18.3	0.4	69.8	-0.136	75	Fully Closed	Under Valve	
EW17	8/9/10 10:47	40.2	28.6	1.3	30.0	-0.128	70	Fully Closed	Under Valve	
EW18	8/9/10 10:56	29.3	14.0	0.0	56.7	0.173	63	Fully Open	Under Valve	
EW19	8/9/10 11:01	10.5	1.6	13.8	74.2	0.158	75	Fully Open	Under Valve	
EW20	8/9/10 10:52	17.0	16.5	3.2	63.3	-0.474	75	Fully Closed	Under Valve	
EW21	8/9/10 10:36	15.2	17.8	2.5	64.5	-0.025	74	Fully Closed	Under Valve	
EW22	8/9/10 12:10	11.4	17.6	0.0	71.0	0.077	100	Fully Closed	Under Valve	
EW23	8/9/10 11:09	5.5	10.2	5.0	79.3	-0.370	70	Fully Closed	Under Valve	
EW24	8/9/10 12:18	23.3	20.5	0.0	56.2	-0.778	51	Throttled	Under Valve	
EW25	8/9/10 12:25	16.3	15.5	2.3	65.9	0.186	66	Fully Closed	Under Valve	
EW26	8/9/10 12:36	26.6	14.8	0.0	58.7		74	Fully Closed	Under Valve	Needs further inspection
EW27	8/9/10 12:56	13.5	13.4	0.0	73.1	-0.233	63	Fully Closed	Under Valve	
EW28	8/10/10 12:07	31.2	15.9	0.0	52.9	0.031	68	Fully Open	Dry	
EW29	8/10/10 12:23	30.8	15.8	0.0	53.4	-0.821	95	Fully Open	Under Valve	Door tracks need to be cleaned
EW30	8/10/10 13:30	24.7	19.7	0.0	55.6	-0.230	81	Fully Closed	Under Valve	
EW31	8/10/10 12:13	30.9	16.3	0.0	52.8	0.113	76	Throttled	Under Valve	
EW32	8/10/10 12:19	32.3	19.0	0.0	48.7	0.144		Throttled	Under Valve	Temp probe problems
EW33	8/10/10 12:31	28.8	13.1	0.1	58.0	-1.513	84	Fully Open	Under Valve	
EW34	8/10/10 12:39	29.3	14.8	0.0	56.0	-0.101		Fully Open	Dry	Temp. probe problems
EW35	8/10/10 11:30	29.3	19.6	0.0	51.2	0.044	76	Fully Open	Under Valve	
EW36	8/10/10 10:44	28.2	17.8	0.0	54.0	-3.938	70	Fully Open	Under Valve	
EW37	8/10/10 11:15	31.8	17.2	0.0	51.1	0.180		Fully Open	Under Valve	Temp probe problems
EW38	8/10/10 11:21	32.1	17.4	0.0	50.6	0.328	76	Fully Open	Under Valve	
EW39	8/10/10 10:52	28.9	14.5	0.0	56.6	0.093	77	Fully Open	Under Valve	
EW40	8/10/10 11:09	28.6	16.4	0.0	54.9	-0.029		Throttled	Dry	Temp. probe problems
EW41	8/10/10 10:39	29.3	18.0	0.0	52.7	0.223	74	Throttled	Under Valve	
EW42	8/10/10 11:00	28.6	15.0	0.0	56.4	0.122	71	Fully Open	Under Valve	
EW43	8/10/10 10:18	24.6	11.4	3.7	60.3	-0.190		Fully Closed	Under Valve	Temp. probe problems
EW44	8/10/10 10:30	27.1	14.0	0.0	58.9	-0.047	95	Throttled	Under Valve	
EW45	8/10/10 10:23	29.2	14.0	0.0	56.8	0.074	75	Throttled	Under Valve	
EW46	8/9/10 13:26	25.8	14.4	0.0	59.8	-0.137	68	Fully Closed	Under Valve	

Pennsylvania Avenue Landfill

Landfill Gas Extraction Well Report

September 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	9/29/10 13:28	8.5	20.5	0.0	71.0	0.014	84	Fully Closed	Flooded	
EW02	9/29/10 13:22	11.8	13.2	1.3	73.7	-0.120	64	Fully Closed	Under Valve	
EW03	9/29/10 13:17	16.4	12.2	6.4	65.0	-0.179		Fully Closed	Under Valve	Temp. probe problems
EW04	9/29/10 13:11	10.2	3.7	1.4	84.7	-0.282	58	Fully Closed	Dry	
EW05	9/29/10 13:05	0.0	0.8	19.4	79.8	-0.206	62	Fully Closed	Under Valve	
EW06	9/29/10 12:59	9.9	16.1	0.9	73.1	-1.159	62	Throttled	Under Valve	
EW07	9/30/10 12:41	18.4	20.7	0.0	60.9	-0.174	60	Fully Closed	Under Valve	
EW08	9/30/10 12:32	21.1	19.3	0.0	59.6	-0.354		Fully Closed	To Top	Temp. probe problems
EW09	9/30/10 10:52	22.5	21.0	0.0	56.5	-0.004	70	Fully Closed	Under Valve	
EW10	9/30/10 10:56	26.1	20.9	0.0	53.0	0.144	69	Fully Closed	To Top	
EW11	9/30/10 11:02	21.0	13.0	1.4	64.6	0.138	71	Fully Closed	Under Valve	
EW12	9/30/10 11:09	16.3	15.2	0.0	68.5	-0.070	69	Fully Closed	Under Valve	
EW13	9/30/10 11:21	36.3	29.1	0.0	34.6	0.040	76	Fully Closed	Under Valve	
EW14	9/29/10 14:09	11.5	11.6	7.0	69.9	-0.087	52	Fully Closed	Under Valve	
EW15	9/30/10 11:27	1.8	16.3	0.0	81.8	>>>>	75	Fully Closed	Under Valve	Needs further inspection
EW16	9/29/10 13:44	21.7	15.9	4.9	57.5	-0.192	76	Fully Closed	Under Valve	
EW17	9/29/10 13:49	38.3	23.3	4.5	33.9	-0.103	56	Fully Closed	Under Valve	
EW18	9/29/10 13:27	30.4	13.2	0.2	56.2	-0.068	60	Fully Open	Under Valve	
EW19	9/29/10 13:32	8.9	1.4	17.5	72.2	-0.119	67	Fully Open	To Top	
EW20	9/29/10 13:38	19.6	11.4	9.2	59.8	0.010	59	Fully Closed	Under Valve	
EW21	9/29/10 13:53	10.8	6.0	13.7	69.5	-0.124	58	Fully Closed	Under Valve	
EW22	9/29/10 14:20	17.2	12.3	6.7	63.8	-0.061	57	Fully Closed	Under Valve	
EW23	9/29/10 14:03	4.0	3.6	14.2	78.2	5.202	56	Fully Closed	Under Valve	
EW24	9/29/10 14:24	26.5	16.9	3.2	53.4	-0.457	48	Throttled	Under Valve	
EW25	9/29/10 14:15	12.3	12.9	6.8	68.0	-0.084	57	Fully Closed	Under Valve	
EW26	9/29/10 14:28	33.1	15.3	0.0	51.6	>>>>	54	Fully Closed	Under Valve	Sample Port/Hose Problems. Missing cap
EW27	9/30/10 11:15	15.0	13.0	0.0	72.0	-0.025	70	Fully Closed	Under Valve	Replaced cap
EW28	9/30/10 12:57	30.8	16.8	0.0	52.4	0.241	70	Fully Open	Under Valve	Replaced cap
EW29	9/30/10 13:03	29.5	16.8	0.0	53.7	0.187		Fully Open	Under Valve	Temp. probe problems
EW30	9/30/10 12:37	22.6	17.0	0.0	60.4	0.083	64	Fully Closed	Under Valve	
EW31	9/30/10 12:51	30.2	15.5	0.0	54.3	0.134	67	Throttled	Under Valve	
EW32	9/30/10 12:45	29.0	15.2	0.1	55.7	0.072	63	Throttled	Under Valve	
EW33	9/30/10 13:08	29.4	17.0	0.0	53.6	-0.640	66	Fully Open	To Top	
EW34	9/30/10 13:10	28.9	17.0	0.0	54.1	-0.477	65	Fully Open	Under Valve	
EW35	9/30/10 13:42	24.2	13.2	5.6	57.0	-0.260	62	Fully Open	Under Valve	
EW36	9/30/10 13:15	30.6	17.5	0.0	51.9	-3.253	70	Fully Open	To Top	
EW37	9/30/10 12:26	30.2	17.2	0.0	52.6	0.123	77	Fully Open	Under Valve	
EW38	9/30/10 13:41	21.3	11.7	6.8	60.2	0.348	45	Fully Open	Under Valve	
EW39	9/30/10 13:16	25.6	15.5	12.2	46.7	-0.051	64	Fully Open	Under Valve	
EW40	9/30/10 12:20	33.7	19.0	0.0	47.3	0.253		Throttled	To Top	Temp. probe problems
EW41	9/30/10 13:36	30.8	15.6	0.0	53.6	0.322	67	Throttled	Under Valve	
EW42	9/30/10 13:21	30.4	16.8	0.0	52.8	0.296		Fully Open	Under Valve	Temp. probe problems
EW43	9/30/10 13:25	25.6	12.3	1.8	60.3	0.249		Fully Closed	Under Valve	Temp. probe problems
EW44	9/30/10 13:32	28.9	15.3	0.1	55.7	-0.192	63	Throttled	To Top	
EW45	9/30/10 13:29	29.5	15.2	0.0	55.3	0.258	66	Throttled	Under Valve	
EW46	9/30/10 11:28	22.0	11.6	2.7	63.7	0.048	69	Fully Closed	Under Valve	

Landfill Gas Management System

LFG-4 Quarterly O&M Inspections

(July, August and September, 2010)

Month: July 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: 7/22/10 **Technician:** [signature]

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: 7/22/10 **Technician:** [signature]

Appendix D –SWM, ANS, FCS Inspections

Landfill Inspections

STORMWATER MANAGEMENT SYSTEM
(SWM-1, SWM-2 & SWM-3)

FINAL COVER SYSTEM (FCS-1)

ANCILLARY SYSTEMS (ANS-1)

July 2010

FORM SWM-1

MONTHLY INSPECTION CHECKLIST

GEOCOMPOSITE DRAINS AND DRAINAGE SWALES

STORMWATER MANAGEMENT SYSTEM

PENNSYLVANIA AVENUE LANDFILL

Date: 7-14-10. **Inspected By:** E. MCLEAN.

	INSPECTION TASK	SWALE/DRAIN NUMBER						REMARKS
1	**Geocomposite Drains**	**I 1**	**I 2**	**P 1**	**P 2**	**P 3**	**P 4**	
	Standing Water	✓	✓	✓	✓	✓	✓	
	Sediments and Debris	✓	✓	✓	✓	✓	✓	
	Erosion/Washouts	✓	✓	✓	✓	✓	✓	
	Sinkholes	✓	✓	✓	✓	✓	✓	
	Cleanouts	✓	✓	NS	✓	✓	✓	
	Flow at Toe Drains	✓	✓	✓	✓	✓	✓	
	Flow at 6" Outlets	✓	✓	✓	✓	✓	✓	
	Damage at Drains/Outlets	✓	✓	✓	✓	✓	✓	
	Scheduled Flush of "P" Drain via Cleanouts							**Scheduled Annual Date:**

2	**"A" Swales**	**A1**	**A2**	**A3**	**A4**	**A5X**				
	Overgrown Vegetation	✓	✓	✓	✓	✓				
	Standing Water	✓	✓	✓	✓	✓				
	Sediments and Debris	✓	✓	✓	✓	✓				
	Erosion/Washouts	NS	✓	✓	✓					
	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: 7-14-10. **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: 7-14-10. **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: 7-14-10. **Inspected By:** E. McLEAN

	INSPECTION TASK	STRUCTURE NUMBER							REMARKS
1	**Downchutes**	1	2	3	4	5	6	7	
	Pipe/Fitting Damage (Cracking, etc)	✓	✓	✓	✓	✓	✓	✓	
	Debris/Sediment Blockage in Pipe	✓	✓	✓	✓	✓	✓	✓	
	Erosion Around Pipe	✓	✓	✓	✓	✓	✓	✓	
	Pipe Settlement	✓	✓	✓	✓	✓	✓	✓	
	Damaged Pipe Trench Connections	✓	✓	✓	✓	✓	✓	✓	
2	**Downchutes 1, 2, 3 & 4 Manholes**	**D1A**	**D1B**	**D1C**	**D2**	**D3**	**D4**		
	Manhole Damage (Cracking, etc)	NS	✓	✓	✓	✓	✓		
	Manhhole Trashrack Debris	✓	✓	✓	✓	✓	✓		
	Sediment Accumulation in Manhole	✓	✓	✓	✓	✓	✓		
	Damaged Pipe Connections	✓	✓	✓	✓	✓	✓		
	Erosion Around Manhole	✓	✓	✓	✓	✓	✓		
	Manhole Settlement	✓	✓	✓	✓	✓	✓		
	Access Ladder								
3	**Downchutes 5, 6 & 7 Manholes**	**D5A**	**D5B**	**D6A**	**D6B**	**D7**			
	Manhole Damage (Cracking, etc)	✓	✓	✓	✓	✓			
	Manhhole Trashrack Debris	✓	✓	✓	✓	✓			
	Sediment Accumulation in Manhole	✓	✓	✓	✓	✓			
	Damaged Pip0e Connections	✓	✓	✓	✓	✓			
	Erosion Around Manhole	✓	✓	✓	✓	✓			
	Manhole Settlement	✓	✓	✓	✓	✓			
	Access Ladder								
4	**Downchute Pipe Trenches**	**B7P**	**B8P**	**C6P**	**C7P**				
	Damaged Pipe Trench	✓	✓	✓	✓				
	Standing Water	✓	✓	✓	✓				
	Sediment Accumulation and Debris	✓	✓	✓	✓				
	Pipe Trench Settlement	✓	✓	✓	✓				
	Erosion Around Pipe Trench	✓	✓	✓	✓				
	Damaged Downchute Connections	✓	✓	✓	✓				
5	**Downchute Energy Dissipators**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	
	Damaged Gabion Baskets/Reno Mattresses	✓	✓	✓	✓	✓	✓	✓	
	Rip-Rap Displacement	✓	✓	✓	✓	✓	✓	✓	
	Vegetative Growth	✓	✓	✓	✓	✓	✓	✓	
	Standing Water	✓	✓	✓	✓	✓	✓	✓	
	Sediment Accumulation and Debris	✓	✓	✓	✓	✓	✓	✓	
	Erosion Around Structure	✓	✓	✓	✓	✓	✓	✓	
	Structure Settlement	✓	✓	✓	✓	✓	✓	✓	

FORM DP-1

STORMWATER SYSTEM: SWM-1, SWM-2 AND SWM-3

Month: July, 2010.

DESCRIPTION OF DEFICIENCIES AND PROBLEMS

PENNSYLVANIA AVENUE LANDFILL

Date	Location	Description	Corrective Action Taken
7-14-10	P.-6 Geocomposite Drains	Broken Cleanout Tubes	W/O - 89.
7-14-10	Swale A1.	Erosion between Gully and EW 34.	W/O - 107.
7-14-10	Swale C1X.	Overgrown Vegetation.	Mowed 7-23-10.
7-14-10	Swale C3X.	Overgrown Vegetation.	Mowed 7-23-10.
7-14-10	Swale D3X.	Overgrown Vegetation.	Mowed 7-23-10.
7-14-10	Manhole D1A.	Pad Shifted + Cracked	Being Monitored.

Date: 7-14-10 **Inspected By:** E. McLean.

Signature

FORM FCS-1

MONTHLY INSPECTION CHECKLIST

FINAL COVER SYSTEM

PENNSYLVANIA AVENUE LANDFILL

Date: 7-16-10. **Inspected By:** E. McLEAN.

INSPECTION TASK	INSPECTION ZONE NUMBER						REMARKS
	1	2	3	4	5	6	
Surface Cracks	✓	✓	✓	✓	✓	✓	
Vegetative Growth	✓	✓	✓	✓	✓	✓	
Vector Penetration	✓	✓	✓	✓	✓	✓	
Settlement	✓	✓	✓	✓	✓	✓	
Erosion	✓	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: July, 2010.

DESCRIPTION OF DEFICIENCIES AND PROBLEMS

PENNSYLVANIA AVENUE LANDFILL

Date	Location	Description	Corrective Action Taken
7-16-10	Zone - 3	Erosion By Nature Trail	W/O - 107.
7-16-10	Zone - 8	Erosion By Nature Trail	W/O - 99.
7-16-10	Zone - 11	Erosion By Manhole D5A	W/O - 100.
7-16-10	Zone - 13	Erosion By Manhole D3	W/O - 101.
7-16-10	Zone - 14	Erosion By Manhole D4	W/O - 103.
7-16-10	Zone - 15	Erosion By Culvert D1	W/O - 104.
7-16-10	Zone - 16	Erosion By Nature Trail	W/O - 105.
7-16-10	Zone - 17	Erosion By Nature Trail	W/O - 106.

Date: 7-16-10. **Inspected By:** E. McLoan

Signature E. McLoan

FORM ANS-1

MONTHLY INSPECTION CHECKLIST

ANCILLARY SYSTEMS

PENNSYLVANIA AVENUE LANDFILL

Date: 7-16-10. **Inspected By:** E. McLEAN

	INSPECTION TASK		REMARKS
1	**ROAD "A"**		
	Rutting	✓	
	Depression/Settlement	✓	
	Washout	✓	
	Roadway Stone Condition	✓	
2	**ROAD "B"**		
	Rutting	✓	
	Depression/Settlement	✓	
	Washout	✓	
	Roadway Stone Condition	✓	
3	**ROAD "C"**		
	Rutting	✓	
	Depression/Settlement	✓	
	Washout	✓	
	Roadway Stone Condition	✓	
4	**ROAD "D"**		
	Rutting	✓	
	Depression/Settlement	✓	
	Washout	✓	
	Roadway Stone Condition	✓	
5	**ROAD "E"**		
	Rutting	✓	
	Depression/Settlement	✓	
	Washout	✓	
	Roadway Stone Condition	✓	
6	**NATURE TRAIL - EAST**		
	Rutting	✓	
	Depression/Settlement	✓	
	Washout	✓	
	Roadway Stone Condition	✓	
7	**NATURE TRAIL - WEST**		
	Rutting	✓ABS	
	Depression/Settlement	ABS	
	Washout	ABS	
	Roadway Stone Condition	ABS	
8	**PERIMETER, FENCE, GATES & LOCKS**		
	Vandalism	ABS	
	Debris	✓	
	Fence Damage	ABS	
	Gate Alignment and Swing Action	✓	
	Lock Lubrication and Function	✓	

FORM DP-1

ANCILLARY SYSTEMS: ANS-1

Month: July, 2010.

DESCRIPTION OF DEFICIENCIES AND PROBLEMS

PENNSYLVANIA AVENUE LANDFILL

Date	Location	Description	Corrective Action Taken
7-16-10.	West Nature Trail	Needs Repair.	W/O – 93.
7-16-10	Perimeter Fence.	Holes In Fence.	
		Sections 15 & 17.	
7-16-10	Perimeter Fence.	Damage To Posts By	W/O – 94.
		Stratis Trailer.	
7-16-10.	Perimeter Fence.	Trees On Fence	W/O – 109.
		Section - 17.	

Date: 7-16-10. **Inspected By:** E. McLeay

Signature [signature]

Landfill Inspections

STORMWATER MANAGEMENT SYSTEM
(SWM-1, SWM-2 & SWM-3)

FINAL COVER SYSTEM (FCS-1)

ANCILLARY SYSTEMS (ANS-1)

August 2010

FORM SWM-1

MONTHLY INSPECTION CHECKLIST

GEOCOMPOSITE DRAINS AND DRAINAGE SWALES

STORMWATER MANAGEMENT SYSTEM

PENNSYLVANIA AVENUE LANDFILL

Date: 8-23-10, **Inspected By:** E. McLean.

	INSPECTION TASK	SWALE/DRAIN NUMBER								REMARKS
1	**Geocomposite Drains**	I 1	I 2	P 1	P 2	P 3	P 4			
	Standing Water	✓	✓	✓	✓	✓	✓			
	Sediments and Debris	✓	✓	✓	✓	✓	✓			
	Erosion/Washouts	✓	✓	✓	✓	✓	✓			
	Sinkholes	✓	✓	✓	✓	✓	✓			
	Cleanouts	✓	✓	NS.	✓	✓	✓			
	Flow at Toe Drains	✓	✓	✓	✓	✓	✓			
	Flow at 6" Outlets	✓	✓	✓	✓	✓	✓			
	Damage at Drains/Outlets	✓	✓	✓	✓	✓	✓			
	Scheduled Flush of "P" Drain via Cleanouts							**Scheduled Annual Date:**		
2	**"A" Swales**	**A1**	**A2**	**A3**	**A4**	**A5X**				
	Overgrown Vegetation	✓	✓	✓	✓	✓				
	Standing Water	✓	✓	✓	✓	✓				
	Sediments and Debris	✓	✓	✓	✓	✓				
	Erosion/Washouts	NS.	✓	✓	✓	✓				
	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: 8-23-10. **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: 8-23-10,	**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: 8-23-10 | **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: August, 2010.

DESCRIPTION OF DEFICIENCIES AND PROBLEMS

PENNSYLVANIA AVENUE LANDFILL

Date	Location	Description	Corrective Action Taken
8-23-10	P. Geocomposite Drains.	Broken Clean-out Tube.	W/O - 89
8-23-10	Swale A1	Erosion between	
		Sw. 29 and Sw. 34	W/O - 102.
8-23-10.	Manhole D11	Bed Shifted + Cracked.	Being Monitored.

Date: 8-23-10. **Inspected By:** E. McLean.

Signature E. McLean

FORM FCS-1

MONTHLY INSPECTION CHECKLIST

FINAL COVER SYSTEM

PENNSYLVANIA AVENUE LANDFILL

Date: 8-23-10. **Inspected By:** E. McLean

INSPECTION TASK	INSPECTION ZONE NUMBER						REMARKS
	1	2	3	4	5	6	
Surface Cracks	✓	✓	✓	✓	✓	✓	
Vegetative Growth	✓	✓	✓	✓	✓	✓	
Vector Penetration	✓	✓	✓	✓	✓	✓	
Settlement	✓	✓	✓	✓	✓	✓	
Erosion	✓	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: August, 2010.

DESCRIPTION OF DEFICIENCIES AND PROBLEMS

PENNSYLVANIA AVENUE LANDFILL

Date	Location	Description	Corrective Action Taken
8-23-10.	Zone - 8.	Erosion By Nature Trail	W/O -107.
8-23-10.	Zone - 8.	Erosion By Nature Trail	W/O - 99.
8-23-10.	Zone - 11.	Erosion By Manhole D5A	W/O - 100.
8-23-10.	Zone - 12.	Erosion By Manhole D2	W/O - 101.
8-23-10.	Zone - 14.	Erosion By Manhole D4.	W/O - 103.
8-23-10.	Zone - 15.	Erosion By Culvert D1	W/O - 104.
8-23-10.	Zone - 16.	Erosion By Nature Trail	W/O - 105.
8-23-10	Zone - 17	Erosion By Nature Trail	W/O - 106.

Date: 8-23-10. **Inspected By:** E. McLean

Signature [signature]

FORM ANS-1

MONTHLY INSPECTION CHECKLIST

ANCILLARY SYSTEMS

PENNSYLVANIA AVENUE LANDFILL

Date: 8-23-10. **Inspected By:** E. McLean.

	INSPECTION TASK		REMARKS
1	**ROAD "A"**		
	Rutting	✓	
	Depression/Settlement	✓	
	Washout	✓	
	Roadway Stone Condition	✓	
2	**ROAD "B"**	✓	
	Rutting	✓	
	Depression/Settlement	✓	
	Washout	✓	
	Roadway Stone Condition	✓	
3	**ROAD "C"**	✓	
	Rutting	✓	
	Depression/Settlement	✓	
	Washout	✓	
	Roadway Stone Condition	✓	
4	**ROAD "D"**	✓	
	Rutting	✓	
	Depression/Settlement	✓	
	Washout	✓	
	Roadway Stone Condition	✓	
5	**ROAD "E"**	✓	
	Rutting	✓	
	Depression/Settlement	✓	
	Washout	✓	
	Roadway Stone Condition	✓	
6	**NATURE TRAIL - EAST**		
	Rutting	✓	
	Depression/Settlement	✓	
	Washout	✓	
	Roadway Stone Condition	✓	
7	**NATURE TRAIL - WEST**		
	Rutting	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: August, 2010.

DESCRIPTION OF DEFICIENCIES AND PROBLEMS

PENNSYLVANIA AVENUE LANDFILL

Date	Location	Description	Corrective Action Taken
8-23-10.	West Nature Trail	Needs Repair.	W/O - 92.
8-23-10.	Perimeter Fence	Hole In Fence - Section M.	
8-23-10.	Perimeter Fence	Bent Posts Behind Straits Trailer.	W/O - 94.
8-23-10.	Perimeter Fence	Holes On Fence - Section M.	W/O - 104.
8-23-10.	Perimeter Fence	Hole In Fence - Section 15.	

Date: 8-23-10. **Inspected By:** E. McLean.

Signature E. McLean

Landfill Inspections

STORMWATER MANAGEMENT SYSTEM
(SWM-1, SWM-2 & SWM-3)

FINAL COVER SYSTEM (FCS-1)

ANCILLARY SYSTEMS (ANS-1)

September 2010

FORM SWM-1

MONTHLY INSPECTION CHECKLIST

GEOCOMPOSITE DRAINS AND DRAINAGE SWALES

STORMWATER MANAGEMENT SYSTEM

PENNSYLVANIA AVENUE LANDFILL

Date: 9-28-10. **Inspected By:** E. McLEAN.

	INSPECTION TASK	SWALE/DRAIN NUMBER								REMARKS
1	**Geocomposite Drains**	I 1	I 2	P 1	P 2	P 3	P 4			
	Standing Water	✓	✓	✓	✓	✓	✓			
	Sediments and Debris	✓	✓	✓	✓	✓	✓			
	Erosion/Washouts	✓	✓	✓	✓	✓	✓			
	Sinkholes	✓	✓	✓	✓	✓	✓			
	Cleanouts	✓	✓	N/S	✓	✓	✓			
	Flow at Toe Drains	✓	✓	✓	✓	✓	✓			
	Flow at 6" Outlets	✓	✓	✓	✓	✓	✓			
	Damage at Drains/Outlets	✓	✓	✓	✓	✓	✓			
	Scheduled Flush of "P" Drain via Cleanouts							Scheduled Annual Date:		
2	**"A" Swales**	**A1**	**A2**	**A3**	**A4**	**A5X**				
	Overgrown Vegetation	✓	✓	✓	✓	✓				
	Standing Water	✓	✓	✓	✓	✓				
	Sediments and Debris	✓	✓	✓	✓	✓				
	Erosion/Washouts		✓	✓	✓	✓				
	Settlement and Sinkholes	✓	✓	✓	✓	✓				
3	**"B" Swales**	**B1**	**B2X**	**B3X**	**B4X**	**B5**	**B6X**	**B7N**	**B8N**	
	Overgrown Vegetation	✓	✓	✓	✓	✓	✓	✓	✓	
	Standing Water	✓	✓	✓	✓	✓	✓	✓	✓	
	Sediments and Debris	✓	✓	✓	✓	✓	✓	✓	✓	
	Erosion/Washouts	✓	✓	✓	✓	✓	✓	✓	✓	
	Settlement and Sinkholes	✓	✓	✓	✓	✓	✓	✓	✓	
4	**"C" Swales**	**C1X**	**C2X**	**C3**	**C4X**	**C5**	**C6N**	**C7N**		
	Overgrown Vegetation	✓	✓	✓	✓	✓	✓	✓		
	Standing Water	✓	✓	✓	✓	✓	✓	✓		
	Sediments and Debris	✓	✓	✓	✓	✓	✓	✓		
	Erosion/Washouts	✓	✓	✓	✓	✓	✓	✓		
	Settlement and Sinkholes	✓	✓	✓	✓	✓	✓	✓		
	"D" Swales	**D1X**	**D2**	**D3X**	**D4**					
	Overgrown Vegetation	✓	✓	✓	✓					
	Standing Water	✓	✓	✓	✓					
	Sediments and Debris	✓	✓	✓	✓					
	Erosion/Washouts	✓	✓	✓	✓					
	Settlement and Sinkholes	✓	✓	✓	✓					

FORM SWM-2

MONTHLY INSPECTION CHECKLIST

OUTLETS, CULVERTS AND REVETMENT AREA

STORMWATER MANAGEMENT SYSTEM

PENNSYLVANIA AVENUE LANDFILL

Date: 9-28-10. **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: 9-28-10.

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: 9-28-10. **Inspected By:** E. McLEAN

	INSPECTION TASK	STRUCTURE NUMBER							REMARKS
1	**Downchutes**	1	2	3	4	5	6	7	
	Pipe/Fitting Damage (Cracking, etc)	✓	✓	✓	✓	✓	✓	✓	
	Debris/Sediment Blockage in Pipe	✓	✓	✓	✓	✓	✓	✓	
	Erosion Around Pipe	✓	✓	✓	✓	✓	✓	✓	
	Pipe Settlement	✓	✓	✓	✓	✓	✓	✓	
	Damaged Pipe Trench Connections	✓	✓	✓	✓	✓	✓	✓	
2	**Downchutes 1, 2, 3 & 4 Manholes**	D1A	D1B	D1C	D2	D3	D4		
	Manhole Damage (Cracking, etc)	NS	✓	✓	✓	✓	✓		
	Manhhole Trashrack Debris	✓	✓	✓	✓	✓	✓		
	Sediment Accumulation in Manhole	✓	✓	✓	✓	✓	✓		
	Damaged Pipe Connections	✓	✓	✓	✓	✓	✓		
	Erosion Around Manhole	✓	✓	✓	✓	✓	✓		
	Manhole Settlement	✓	✓	✓	✓	✓	✓		
	Access Ladder	✓	✓	✓	✓	✓	✓		
3	**Downchutes 5, 6 & 7 Manholes**	D5A	D5B	D6A	D6B	D7			
	Manhole Damage (Cracking, etc)	✓	✓	✓	✓	✓			
	Manhhole Trashrack Debris	✓	✓	✓	✓	✓			
	Sediment Accumulation in Manhole	✓	✓	✓	✓	✓			
	Damaged Pip0e Connections	✓	✓	✓	✓	✓			
	Erosion Around Manhole	✓	✓	✓	✓	✓			
	Manhole Settlement	✓	✓	✓	✓	✓			
	Access Ladder	✓	✓	✓	✓	✓			
4	**Downchute Pipe Trenches**	B7P	B8P	C6P	C7P				
	Damaged Pipe Trench	✓	✓	✓	✓				
	Standing Water	✓	✓	✓	✓				
	Sediment Accumulation and Debris	✓	✓	✓	✓				
	Pipe Trench Settlement	✓	✓	✓	✓				
	Erosion Around Pipe Trench	✓	✓	✓	✓				
	Damaged Downchute Connections	✓	✓	✓	✓				
5	**Downchute Energy Dissipators**	1	2	3	4	5	6	7	
	Damaged Gabion Baskets/Reno Mattresses	✓	✓	✓	✓	✓	✓	✓	
	Rip-Rap Displacement	✓	✓	✓	✓	✓	✓	✓	
	Vegetative Growth	✓	✓	✓	✓	✓	✓	✓	
	Standing Water	✓	✓	✓	✓	✓	✓	✓	
	Sediment Accumulation and Debris	✓	✓	✓	✓	✓	✓	✓	
	Erosion Around Structure	✓	✓	✓	✓	✓	✓	✓	
	Structure Settlement	✓	✓	✓	✓	✓	✓	✓	

FORM DP-1

STORMWATER SYSTEM: SWM-1, SWM-2 AND SWM-3

Month: SEPTEMBER, 2010.

DESCRIPTION OF DEFICIENCIES AND PROBLEMS

PENNSYLVANIA AVENUE LANDFILL

Date	Location	Description	Corrective Action Taken
9-28-10.	MANHOLE - D1A.	PAD SUBSIDED + CRACKED	BEING MONITORED.
9-28-10	R. GEOCOMPOSITE DRAINS.	BROKEN CLEAN-OUT TUBE.	W/O - 89.

Date: 9-28-10.

Inspected By: E. McLEAN.

Signature Edward McLean

FORM FCS-1

MONTHLY INSPECTION CHECKLIST

FINAL COVER SYSTEM

PENNSYLVANIA AVENUE LANDFILL

Date: 9-28-10. **Inspected By:** E. McLEAN

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

Comments:

FORM DP-1

FINAL COVER SYSTEM: FCS-1

Month: SEPTEMBER, 2010.

DESCRIPTION OF DEFICIENCIES AND PROBLEMS

PENNSYLVANIA AVENUE LANDFILL

Date	Location	Description	Corrective Action Taken
9-28-10.	ZONE-1B	EROSION BY MANHOLE D3	W/O-101.

Date: 9-28-10.

Inspected By: E. McLEAN.

Signature

FORM ANS-1

MONTHLY INSPECTION CHECKLIST

ANCILLARY SYSTEMS

PENNSYLVANIA AVENUE LANDFILL

Date: 9-28-10. **Inspected By:** E. McLEAN

	INSPECTION TASK		REMARKS
1	**ROAD "A"**		
	Rutting	✓	
	Depression/Settlement	✓	
	Washout	✓	
	Roadway Stone Condition	✓	
2	**ROAD "B"**		
	Rutting	✓	
	Depression/Settlement	✓	
	Washout	✓	
	Roadway Stone Condition	✓	
3	**ROAD "C"**		
	Rutting	✓	
	Depression/Settlement	✓	
	Washout	✓	
	Roadway Stone Condition	✓	
4	**ROAD "D"**		
	Rutting	✓	
	Depression/Settlement	✓	
	Washout	✓	
	Roadway Stone Condition	✓	
5	**ROAD "E"**		
	Rutting	✓	
	Depression/Settlement	✓	
	Washout	✓	
	Roadway Stone Condition	✓	
6	**NATURE TRAIL - EAST**		
	Rutting	✓	
	Depression/Settlement	✓	
	Washout	✓	
	Roadway Stone Condition	✓	
7	**NATURE TRAIL - WEST**		
	Rutting	✓	
	Depression/Settlement	✓	
	Washout	✓	
	Roadway Stone Condition	✓	
8	**PERIMETER, FENCE, GATES & LOCKS**		
	Vandalism	NS	
	Debris	✓	
	Fence Damage	NS	
	Gate Alignment and Swing Action	✓	
	Lock Lubrication and Function	✓	

FORM DP-1

ANCILLARY SYSTEMS: ANS-1

Month: SEPTEMBER, 2010.

DESCRIPTION OF DEFICIENCIES AND PROBLEMS

PENNSYLVANIA AVENUE LANDFILL

Date	Location	Description	Corrective Action Taken
9-28-10.	PERIMETER FENCES.	HOLE IN FENCE.	
		SECTION -17.	
9-28-10	PERIMETER FENCE.	HOLE IN FENCE.	
		SECTION-15.	
9-28-10	PERIMETER FENCE.	BENT POSTS BEHIND	W/O -9A.
		STRATIS TRAILER.	

Date: 9-28-10.

Inspected By: E. McLEAN.

Signature [signature]

Appendix E – Groundwater Monitoring

Synoptic Groundwater Elevations Report

PENNSYLVANIA AVENUE LANDFILL
SYNOPTIC
THIRD QUARTER - September 2010

Tech: Mildred Olson Gonos

Date: 9/7/10

High Tide: 7:51

Low Tide: 13:45

Weather: Partly sunny with scattered clouds, Ambient Temp: 72°F, Winds at 10 mph SW, Barometric Pressure at 30.20 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	8:10	7.85	**1.39**	16.01	**-6.77**
HP-101 S	11.22	8:08	10.34	**0.88**	42.29	**-31.07**
HP-101 D	9.70	8:05	12.29	**-2.60**	153.97	**-144.28**
HP-407 U	8.73	8:14	7.70	**1.03**	16.92	**-8.19**
HP-407 S	8.31	8:20	8.88	**-0.57**	39.01	**-30.70**
HP-407 D	8.84	8:17	8.46	**0.38**	78.74	**-69.91**
HP-104 A	7.97	8:26	11.62	**-3.65**	21.26	**-13.29**
HP-103 D	7.03	8:36	10.02	**-2.99**	155.03	**-148.00**
HP-603	9.01	8:30	9.71	**-0.70**	16.70	**-7.69**
HP-318	13.38	8:45	14.53	**-1.15**	21.90	**-8.52**

Elevations: Borough of Brooklyn Datum

Groundwater Sample Collection Field Logs

STRATIS

GROUNDWATER MONITORING WELL SAMPLING
PENNSYLVANIA AVE. LANDFILL

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

Date: 9/10/10 **Well ID:** HP-101-D **Sampler:** NS & JM

VOC (PID Rdng): 0 mg/L	Depth to Water (ft): 13.30	Pump Start Time: 10:24

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)
10:27	13.30	100	37	162	16.66	65.13	1.23	6.55	-82.7	3.76
10:37	13.35	100	23	261	16.81	64.88	0.95	6.57	-82.1	2.83
10:40	13.33	100	24	250	16.87	64.77	0.79	6.57	-87.5	1.66
10:44	13.31	100	24	250	16.88	64.74	0.64	6.56	-91.1	1.50
10:48	13.31	100	22	273	16.96	64.75	0.55	6.56	-95.4	0.91
10:52	13.30	100	23	261	16.77	64.55	0.48	6.57	-97.1	1.05
10:56	13.29	100	23	261	16.81	64.37	0.44	6.56	-105.8	0.88
11:00	13.28	100	24	250	16.76	64.26	0.40	6.57	-115.0	0.94
11:04	13.26	100	25	240	16.90	64.33	0.39	6.57	-116.6	0.72
11:08	13.27	100	24	250	16.96	64.41	0.37	6.58	-130.8	0.62
11:12	13.28	100	25	240	16.84	64.27	0.36	6.57	-140.8	0.76
11:15	13.27	100	24	250	16.87	64.21	0.34	6.57	-145.6	0.66

Sample Start Time: 11:17 **Sampling Pumping Rate:** 250 (Not to exceed 250 mL/min)

8 oz Plastic [HNO3] METALS X	32 oz Plastic NON METALS X	16 oz Plastic NON METALS X	8 oz Plastic NON METALS - BROMIDE X
16 oz Amber Glass [HNO3] PHENOL X	16 oz Plastic [H2SO4] N,COD X	8 oz Plastic [NaOH] CYANIDE X	8 oz Plastic [Zinc Acetate] SULFIDE X
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: 11:53	Depth to Water DTW (ft): 13.33	Volume Pumped (gallons): ~3.5	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: 9/9/10 **Well ID:** HP-101-S **Sampler:** NS & JM

VOC (PID Rdng): 0 mg/L	Depth to Water (ft): 11.03	Pump Start Time: 13:30

Time	DTW (ft)	Volume Pumped (mL)	Time to Fill (sec)	Flow Rate (mL/min.)	Temp. °C	SEC (µS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
13:31	11.04	100	22	273	17.58	8.446	3.03	6.64	-116.0	1.85
13:34	11.05	100	23	261	18.19	8.647	2.20	6.65	-152.6	1.14
13:37	11.08	100	23	261	18.52	8.719	1.64	6.68	-164.9	1.05
13:40	11.10	100	25	240	18.65	8.639	1.20	6.69	-173.3	0.83
13:44	11.10	100	23	261	18.61	8.318	0.84	6.70	-178.8	0.61
13:47	11.11	100	22	273	18.61	8.100	0.69	6.71	-182.7	0.45
13:51	11.15	100	25	240	18.48	7.935	0.60	6.72	-179.5	0.44
13:54	11.17	100	25	240	18.35	7.832	0.51	6.72	-184.5	0.44
13:57	11.19	100	24	250	18.44	7.770	0.45	6.72	-188.0	0.50
14:01	11.20	100	23	261	18.28	7.716	0.43	6.73	-181.7	0.42
14:04	11.22	100	23	261	18.23	7.648	0.39	6.73	-189.2	0.36
14:07	11.25	100	23	261	18.14	7.572	0.38	6.72	-192.1	0.30

Sample Start Time: 14:10 **Sampling Pumping Rate:** 250 (Not to exceed 250 mL/min)

8 oz Plastic [HNO3] METALS X	32 oz Plastic NON METALS X	16 oz Plastic NON METALS X	8 oz Plastic NON METALS - BROMIDE X
16 oz Amber Glass [HNO3] PHENOL X	16 oz Plastic [H2SO4] N,COD X	8 oz Plastic [NaOH] CYANIDE X	8 oz Plastic [Zinc Acetate] SULFIDE X
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: 14:55	Depth to Water DTW (ft): 11.54	Volume Pumped (gallons): ~3.5	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: 9/10/10 **Well ID:** HP-101-U **Sampler:** NS & JM

VOC (PID Rdng): 0 mg/L	Depth to Water (ft): 8.05	Pump Start Time: 9:00

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)
9:07	8.07	100	24	250	21.08	3.194	1.31	6.41	-60.4	2.02
9:11	8.05	100	25	240	21.46	3.220	0.97	6.43	-46.9	1.56
9:15	8.07	100	27	222	21.53	3.240	0.81	6.45	-47.8	1.07
9:19	8.07	100	28	214	21.62	3.262	0.71	6.46	-55.2	0.95
9:22	8.06	100	29	207	21.78	3.268	0.64	6.46	-57.5	0.83
9:29	8.07	100	23	261	21.81	3.300	0.56	6.48	-51.4	1.00
9:33	8.07	100	25	240	21.76	3.346	0.52	6.47	-45.9	0.90
9:36	8.07	100	25	240	21.76	3.390	0.50	6.48	-46.8	0.79
9:39	8.07	100	26	231	21.76	3.412	0.48	6.49	-53.4	0.78
9:42	8.07	100	26	231	21.79	3.445	0.48	6.48	-51.6	0.75

Sample Start Time: 9:45 **Sampling Pumping Rate:** 231 (Not to exceed 250 mL/min)

8 oz Plastic [HNO3] METALS X	32 oz Plastic NON METALS X	16 oz Plastic NON METALS X	8 oz Plastic NON METALS - BROMIDE X
16 oz Amber Glass [HNO3] PHENOL X	16 oz Plastic [H2SO4] N,COD X	8 oz Plastic [NaOH] CYANIDE X	8 oz Plastic [Zinc Acetate] SULFIDE X
Vials 2 VOC	32 oz Amber Glass ACID EXTRACTABLES X	32 oz Amber Glass BASE NEUTRAL EXTRACTABLES X	32 oz Amber Glass PEST. & PCBs 3

QA/QC SAMPLES:	MS ☐	MSD ☐	BLIND DUP. ☐	FIELD BLANKS ☐	TRIP ☐

Sample Finish Time: 10:25	Depth to Water DTW (ft): 8.07	Volume Pumped (gallons): 3	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: 9/8/10 **Well ID:** HP-103-D **Sampler:** NS & JM

VOC (PID Rdng): 0 mg/L	Depth to Water (ft): 10.12	Pump Start Time: 10:27 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)
10:30	11.01	100	22	273	17.19	9.139	2.27	6.86	199.7	4.21
10:39	11.66	100	31	194	19.65	9.243	0.90	6.95	199.0	2.71
10:49	12.15	100	32	188	20.49	9.415	1.49	7.01	196.8	3.02
10:57	13.14	100	17	353	18.52	9.111	2.61	7.01	200.5	3.33
11:02	14.45	100	22	273	20.24	9.338	0.64	7.00	202.2	3.26
11:11	14.62	100	26	231	19.82	9.210	0.47	7.01	200.6	2.51
11:18	15.18	100	25	240	20.79	9.468	0.43	7.06	199.1	2.94
11:22	15.33	100	25	240	20.79	9.451	0.34	7.07	199.0	4.42
11:30	15.77	100	28	214	20.80	9.846	0.54	7.05	198.2	3.17
11:33	15.92	100	27	222	20.89	9.471	0.37	7.04	197.3	4.65
11:47	16.34	100	23	261	20.54	9.497	0.50	6.99	189.5	4.66
11:53	16.71	100	23	261	20.44	9.480	0.32	6.99	188.7	5.76
11:59	16.97	100	25	240	20.19	9.460	0.27	6.97	186.3	3.37
12:04	17.13	100	23	261	20.45	9.570	0.24	6.96	182.8	3.12
12:10	17.31	100	24	250	20.26	9.635	0.21	6.95	177.9	2.69
12:16	17.43	100	25	240	20.21	9.696	0.20	6.92	173.4	2.71
12:55	17.33									

Sample Start Time: 12:20 PM **Sampling Pumping Rate:** 240 (Not to exceed 250 mL/min)

8 oz Plastic [HNO3] METALS	X	32 oz Plastic NON METALS	X	16 oz Plastic NON METALS	X	8 oz Plastic NON METALS - BROMIDE	X
16 oz Amber Glass [HNO3] PHENOL	X	16 oz Plastic [H2SO4] N,COD	X	8 oz Plastic [NaOH] CYANIDE	X	8 oz Plastic [Zinc Acetate] SULFIDE	X
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: 13:04 PM	Depth to Water DTW (ft): 17.59	Volume Pumped (gallons): ~7	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: 9/7/10 **Well ID:** HP-104-A **Sampler:** MOG & NS & JM

VOC (PID Rdng): 0 mg/L	Depth to Water (ft): 11.90	Pump Start Time: 10:30 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)
10:32	11.83	100	12.96	462	17.93	1.671	4.43	6.10	158.1	0.89
10:35	11.82	100	23	261	18.85	1.717	4.23	6.04	130.2	0.72
10:38	11.69	100	20	300	19.00	1.725	2.34	6.07	101.6	0.87
10:42	11.69	100	20	300	18.98	1.716	1.28	6.11	66.3	0.50
10:45	11.68	100	29	207	19.12	1.702	1.05	6.14	35.4	0.39
10:49	11.69	100	26	231	19.31	1.704	0.82	6.18	9.0	0.46
10:53	11.69	100	30	200	19.43	1.698	0.62	6.22	-13.5	0.60
10:56	11.70	100	34	176	19.59	1.693	0.48	6.28	-33.8	0.61
11:00	11.70	100	24	250	19.38	1.672	0.37	6.29	-61.2	0.54
11:04	11.70	100	24	250	19.58	1.674	0.35	6.31	-70.8	0.25
11:07	11.70	100	24	250	19.53	1.672	0.30	6.35	-77.9	0.32
11:22	11.71				19.83	1.660	0.25	6.42	-138.7	0.52
11:32					19.78	1.640	0.20	6.45	-155.7	
Sample looked very clear.										

Sample Start Time: 11:10 PM **Sampling Pumping Rate:** 250 (Not to exceed 250 mL/min)

8 oz Plastic [HNO3] METALS	X	32 oz Plastic NON METALS	X	16 oz Plastic NON METALS	X	8 oz Plastic NON METALS - BROMIDE	X
16 oz Amber Glass [HNO3] PHENOL	X	16 oz Plastic [H2SO4] N,COD	X	8 oz Plastic [NaOH] CYANIDE	X	8 oz Plastic [Zinc Acetate] SULFIDE	X
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: 11:38	Depth to Water DTW (ft): 11.61	Volume Pumped (gallons): ~5	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: 9/10/10 **Well ID:** HP-318 **Sampler:** NS & JM

VOC (PID Rdng): 0 mg/L	Depth to Water (ft): 15.72	Pump Start Time: 12:52

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)
12:54	15.84	100	29	207	21.96	3.847	2.49	6.68	-22.8	87.5
12:58	15.80	100	25	240	22.38	4.013	2.01	6.61	-22.1	82.7
13:01	15.81	100	27	222	22.64	4.140	1.67	6.60	-26.4	80.7
13:04	15.81	100	30	200	22.94	4.242	1.38	6.59	-35.0	79.4
13:08	15.82	100	28	214	22.93	4.249	1.14	6.59	-33.8	76.9
13:13	15.82	100	30	200	22.80	4.198	1.03	6.59	-35.8	72.5
13:18	15.82	100	25	240	22.94	4.026	1.38	6.63	-20.9	69.2
13:32	15.90	100	24	250	22.18	3.671	1.48	6.54	-16.9	57.4
13:43	15.85	100	26	231	22.60	3.851	4.36	6.55	-24.3	46.4
14:15	15.80	100	24	250	22.95	4.255	0.50	6.38	-43.9	8.64
14:18	15.80	100	27	222	23.26	4.251	0.51	6.41	-48.2	10.82
14:23	15.80	100	30	200	23.64	4.243	0.51	6.44	-43.9	1.35
14:27	15.82	100	23	261	23.45	4.159	0.48	6.44	-52.2	2.21
14:37	15.82	100	24	250	23.42	4.168	0.46	6.43	-52.1	2.43

Sample Start Time: 14:38 **Sampling Pumping Rate:** 250 (Not to exceed 250 mL/min)

8 oz Plastic [HNO3] METALS X	32 oz Plastic NON METALS X	16 oz Plastic NON METALS X	8 oz Plastic NON METALS - BROMIDE X
16 oz Amber Glass [HNO3] PHENOL X	16 oz Plastic [H2SO4] N,COD X	8 oz Plastic [NaOH] CYANIDE X	8 oz Plastic [Zinc Acetate] SULFIDE X
Vials 2 VOC	32 oz Amber Glass ACID EXTRACTABLES X	32 oz Amber Glass BASE NEUTRAL EXTRACTABLES X	32 oz Amber Glass PEST. & PCBs 3

QA/QC SAMPLES: MS ☐ MSD ☐ BLIND DUP. ☐ FIELD BLANKS ■ TRIP ☐

Sample Finish Time: 15:11	Depth to Water DTW (ft): 15.85	Volume Pumped (gallons): ~4	VOC - PID Rdng (mg/L): Well: 0 Tote: 0

STRATIS

GROUNDWATER MONITORING WELL SAMPLING

PENNSYLVANIA AVE. LANDFILL

Cloudy,
67°F, BP: 30.15,
Wind: 8 SE,

Date: 9/9/10 **Well ID:** HP-407-D **Sampler:** NS & JM

VOC (PID Rdng): 0 mg/L	Depth to Water (ft): 9.50	Pump Start Time: 8:05

Time	DTW (ft)	Volume Pumped (mL)	Time to Fill (sec)	Flow Rate (mL/min.)	Temp. °C	SEC (µS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
8:07	9.25	100	28	214	19.01	26.93	3.73	6.50	-3.8	5.37
8:10	9.22	100	26	231	19.20	27.27	2.07	6.47	-12.4	3.03
8:13	9.20	100	27	222	19.21	27.33	1.40	6.47	-13.0	3.12
8:16	9.18	100	27	222	19.21	27.34	1.04	6.48	-26.6	3.40
8:19	9.16	100	27	222	19.22	27.33	0.86	6.48	-31.0	2.98
8:23	9.15	100	27	222	19.24	27.31	0.68	6.48	-24.2	3.41
8:27	9.11	100	26	231	19.24	27.29	0.60	6.48	-36.9	3.15
8:31	9.09	100	26	231	19.20	27.25	0.51	6.48	-50.1	2.70
8:34	9.06	100	25	240	19.18	27.20	0.42	6.48	-53.1	2.16
8:37	9.04	100	26	231	19.17	27.16	0.38	6.48	-59.4	2.68
8:41	9.02	100	25	240	19.15	27.13	0.34	6.48	-54.3	2.77
8:44	9.02	100	25	240	19.15	27.09	0.32	6.48	-40.9	2.22
8:48	9.00	100	26	231	19.24	27.11	0.31	6.47	-46.4	1.92

Sample Start Time: 8:50 **Sampling Pumping Rate:** 231 (Not to exceed 250 mL/min)

8 oz Plastic [HNO3] METALS	X	32 oz Plastic NON METALS	X	16 oz Plastic NON METALS	X	8 oz Plastic NON METALS - BROMIDE	X
16 oz Amber Glass [HNO3] PHENOL	X	16 oz Plastic [H2SO4] N,COD	X	8 oz Plastic [NaOH] CYANIDE	X	8 oz Plastic [Zinc Acetate] SULFIDE	X
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: 10:30	Depth to Water DTW (ft): 8.85	Volume Pumped (gallons): ~3	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: 9/8/10 **Well ID:** HP-407-S **Sampler:** NS & JM

VOC (PID Rdng): 0 mg/L	Depth to Water (ft): 10.55	Pump Start Time: 16:05

Time	DTW (ft)	Volume Pumped (mL)	Time to Fill (sec)	Flow Rate (mL/min.)	Temp. °C	SEC (µS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)
16:12	10.50	100	16	375	18.92	22.59	2.02	6.47	-26.0	1.37
16:16	10.46	100	21	286	19.86	22.37	1.13	6.41	-39.1	0.76
16:20	10.45	100	21	286	19.66	22.38	0.88	6.42	-52.2	0.93
16:25	10.40	100	25	240	19.75	22.41	0.65	6.43	-63.3	0.70
16:34	10.33	100	22	273	19.75	22.41	0.43	6.46	-74.0	0.0
16:42	10.24	100	27	222	19.88	22.42	0.36	6.40	-81.1	0.17
16:49	10.18	100	26	231	19.92	22.48	0.31	6.49	-82.9	0.10
16:54	10.14	100	25	240	19.91	22.49	0.28	6.49	-85.1	0.12
17:05	10.05				19.86	22.49	0.23	6.51	-91.5	0.10

Sample Start Time: 17:00 **Sampling Pumping Rate:** 240 (Not to exceed 250 mL/min)

8 oz Plastic [HNO3] METALS	X	32 oz Plastic NON METALS	X	16 oz Plastic NON METALS	X	8 oz Plastic NON METALS - BROMIDE	X
16 oz Amber Glass [HNO3] PHENOL	X	16 oz Plastic [H2SO4] N,COD	X	8 oz Plastic [NaOH] CYANIDE	X	8 oz Plastic [Zinc Acetate] SULFIDE	X
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: 18:20	Depth to Water DTW (ft): 9.42	Volume Pumped (gallons): ~4	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: 9/9/10 **Well ID:** HP-407-U **Sampler:** NS & JM

VOC (PID Rdng): 0 mg/L	Depth to Water (ft): 7.73	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)
10:42	7.88	100	30	200	21.99	4.342	7.75	7.22	-84.6	3.57
10:55	7.80	100	24	250	21.92	4.648	0.52	7.07	-173.6	2.74
10:59	7.80	100	24	250	22.06	4.663	0.41	7.00	-174.9	2.54
11:04	7.77	100	23	261	22.02	4.661	0.33	6.97	-183.9	2.45
11:11	7.75	100	26	231	21.98	4.649	0.29	6.96	-194.3	2.77
11:14	7.75	100	26	231	22.06	4.648	0.27	6.96	-155.4	3.00
11:17	7.75	100	27	222	22.05	4.668	0.26	6.96	-150.1	2.61
11:21	7.75	100	27	222	22.17	4.677	0.24	6.95	-152.9	2.61
11:25	7.77	100	23	261	22.26	4.668	0.24	6.96	-200.8	2.48
11:31	7.78	100	26	231	22.27	4.598	0.23	6.97	-211.3	2.74
11:35	7.76	100	26	231	22.28	4.587	0.37	6.96	-200.4	2.34
11:40	7.76	100	27	222	22.33	4.567	0.26	6.97	-204.3	2.34

Sample Start Time: 11:45	Sampling Pumping Rate: 222 (Not to exceed 250 mL/min)

8 oz Plastic [HNO3] METALS X	32 oz Plastic NON METALS X	16 oz Plastic NON METALS X	8 oz Plastic NON METALS - BROMIDE X
16 oz Amber Glass [HNO3] PHENOL X	16 oz Plastic [H2SO4] N,COD X	8 oz Plastic [NaOH] CYANIDE X	8 oz Plastic [Zinc Acetate] SULFIDE X
Vials 2 VOC	32 oz Amber Glass ACID EXTRACTABLES X	32 oz Amber Glass BASE NEUTRAL EXTRACTABLES X	32 oz Amber Glass PEST. & PCBs 3

QA/QC SAMPLES:	MS ☐	MSD ☐	BLIND DUP. ☐	FIELD BLANKS ☐	TRIP ☐

Sample Finish Time: 12:34	Depth to Water DTW (ft): 7.89	Volume Pumped (gallons): ~5.5	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: 9/7/10 **Well ID:** HP-603 **Sampler:** MOG & NS & JM

VOC (PID Rdng): 0 mg/L	Depth to Water (ft): 9.75	Pump Start Time: 14:40

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)
14:43	9.75	100	13	462	17.51	1.488	2.33	5.78	73.0	66.0
14:46	9.75	100	21	286	18.65	1.556	1.88	5.83	50.0	55.1
14:49	9.75	100	27	222	19.19	1.683	1.22	5.94	23.5	42.7
14:52	9.75	100	27	222	19.42	1.714	0.85	6.08	10.7	37.0
14:55	9.75	100	27	222	19.37	1.703	0.74	6.15	3.6	33.6
14:58	9.74	100	26	231	19.32	1.683	0.69	6.19	0.4	28.3
15:02	9.75	100	26	231	19.30	1.635	0.60	6.27	-12.6	23.2
15:05	9.75	100	25	240	19.28	1.603	0.58	6.31	-17.4	18.9
15:08	9.74	100	25	240	19.28	1.540	0.54	6.37	-31.2	12.6
15:15	9.75	100	25	240	19.13	1.514	0.51	6.40	-35.2	11.5
15:18	9.75	100	27	222	19.12	1.480	0.45	6.43	-41.6	10.36
15:21	9.75	100	25	240	19.01	1.457	0.42	6.45	-43.3	9.35
15:26	9.75	100	25	240	19.01	1.427	0.38	6.47	-46.7	7.02
15:29	9.75	100	25	240	18.99	1.416	0.38	6.48	-47.4	6.67
15:32	9.75	100	25	240	19.08	1.410	0.33	6.49	-49.1	7.21
15:35	9.75	100	25	240	19.12	1.409	0.32	6.51	-51.8	6.25
15:38	9.75	100	25	240	19.08	1.389	0.33	6.53	-52.9	5.30
15:43					19.08	1.346	0.32	6.55	-53.6	4.53
15:46	9.74	100			19.05	1.342	0.31	6.56	-56.4	4.14
15:49	9.74	100			19.02	1.333	0.32	6.56	-57.0	4.15
16:05	9.78				18.98	1.294	0.23	6.60	-53.2	3.01
16:15	9.77				18.97	1.278	0.22	6.61	-51.9	2.24
16:23	9.78				18.97	1.281	0.21	6.2	-49.8	

Sample Start Time: 15:50 **Sampling Pumping Rate:** 240 (Not to exceed 250 mL/min)

8 oz Plastic [HNO3] METALS	X	32 oz Plastic NON METALS	X	16 oz Plastic NON METALS	X	8 oz Plastic NON METALS - BROMIDE	X
16 oz Amber Glass [HNO3] PHENOL	X	16 oz Plastic [H2SO4] N,COD	X	8 oz Plastic [NaOH] CYANIDE	X	8 oz Plastic [Zinc Acetate] SULFIDE	X
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: 16:30	Depth to Water DTW (ft): 9.74	Volume Pumped (gallons): ~5	VOC - PID Rdng (mg/L): Well: 0 Tote: 0

Groundwater Monitoring Laboratory Analytical Results Summary Report

GROUNDWATER MONITORING ANALYTICAL RESULTS SUMMARY TABLE

Wells Screened in the:		Saturated Zone Above the Tital Marsh Deposit									
Pennsylvania Avenue Landfill **#200903**		9/10/2010 104206.01		9/9/2010 104189.09		9/7/2010 104189.01		9/10/2010 104206.03		9/7/2010 104189.02	
ANALYTE	UNITS	HP-101-U		HP-407-U		HP-104-A		HP-318		HP-603	
Volatile Organic Carbons											
1,1 Dichloroethane	ug/L	<	1	<	1	<	1	<	1	<	1
1,1 Dichloroethene	ug/L	<	1	<	1	<	1	<	1	<	1
1,1-Dichloropropene	ug/L	<	1	<	1	<	1	<	1	<	1
1,2 Dibromoethane	ug/L	<	1	<	1	<	1	<	1	<	1
1,2 Dichlorobenzene (v)	ug/L	<	1	<	1	<	1	<	1	<	1
1,2 Dichloroethane	ug/L	<	1	<	1	<	1	<	1	<	1
1,2 Dichloropropane	ug/L	<	1	<	1	<	1	<	1	<	1
1,3 Dichlorobenzene (v)	ug/L	<	1	<	1	<	1	<	1	<	1
1,3-Dichloropropane	ug/L	<	1	<	1	<	1	<	1	<	1
1,4 Dichlorobenzene (v)	ug/L		3	<	1	<	1		1	<	1
111 Trichloroethane	ug/L	<	1	<	1	<	1	<	1	<	1
1112Tetrachloroethane	ug/L	<	1	<	1	<	1	<	1	<	1
112 Trichloroethane	ug/L	<	1	<	1	<	1	<	1	<	1
1122Tetrachloroethane	ug/L	<	1	<	1	<	1	<	1	<	1
123-Trichlorobenzene	ug/L	<	1	<	1	<	1	<	1	<	1
123-Trichloropropane	ug/L	<	1	<	1	<	1	<	1	<	1
124-Trichlorobenzene (v)	ug/L	<	1	<	1	<	1	<	1	<	1
124-Trimethylbenzene	ug/L	<	1	<	1	<	1	<	1	<	1
1245 Tetramethylbenz	ug/L	<	1	<	1	<	1		1	<	1
135-Trimethylbenzene	ug/L	<	1	<	1	<	1	<	1	<	1
2,2-Dichloropropane	ug/L	<	1	<	1	<	1	<	1	<	1
2-Chlorotoluene	ug/L	<	1	<	1	<	1	<	1	<	1
2-Hexanone	ug/L	<	10	<	10	<	10	<	10	<	10
4-Chlorotoluene	ug/L	<	1	<	1	<	1	<	1	<	1
Acetone	ug/L	<	10	<	10	<	10	<	10	<	10
Acrylonitrile	ug/L	<	5	<	5	<	5	<	5	<	5
Benzene	ug/L	<	1		2	<	1	<	1	<	1
Bromobenzene	ug/L	<	1	<	1	<	1	<	1	<	1
Bromochloromethane	ug/L	<	1	<	1	<	1	<	1	<	1
Bromodichloromethane	ug/L	<	1	<	1	<	1	<	1	<	1
Bromoform	ug/L	<	1	<	1	<	1	<	1	<	1
Bromomethane	ug/L	<	1	<	1	<	1	<	1	<	1
c-1,2-Dichloroethene	ug/L	<	1	<	1	<	1	<	1	<	1
c-1,3Dichloropropene	ug/L	<	1	<	1	<	1	<	1	<	1
Carbon disulfide	ug/L	<	1	<	1	<	1	<	1	<	1
Carbon Tetrachloride	ug/L	<	1	<	1	<	1	<	1	<	1
Chlorobenzene	ug/L		10		4		6		14		2
Chlorodibromomethane	ug/L	<	1	<	1	<	1	<	1	<	1
Chlorodifluoromethane	ug/L	<	1	<	1	<	1	<	1	<	1
Chloroethane	ug/L	<	1	<	1	<	1	<	1	<	1
Chloroform	ug/L	<	1	<	1	<	1	<	1	<	1
Chloromethane	ug/L	<	1	<	1	<	1	<	1	<	1
Dibromochloropropane	ug/L	<	1	<	1	<	1	<	1	<	1
Dibromomethane	ug/L	<	1	<	1	<	1	<	1	<	1
Dichlorodifluoromethane	ug/L	<	1	<	1	<	1	<	1	<	1

GROUNDWATER MONITORING ANALYTICAL RESULTS SUMMARY TABLE

Wells Screened in the:		Saturated Zone Above the Tital Marsh Deposit				
Pennsylvania Avenue Landfill #200903		9/10/2010 104206.01	9/9/2010 104189.09	9/7/2010 104189.01	9/10/2010 104206.03	9/7/2010 104189.02
ANALYTE	UNITS	HP-101-U	HP-407-U	HP-104-A	HP-318	HP-603
Volatile Organic Carbons						
Ethyl Benzene	ug/L	< 1	< 1	< 1	< 1	< 1
Freon 113	ug/L	< 1	< 1	< 1	< 1	< 1
Hexachlorobutadiene	ug/L	< 1	< 1	< 1	< 1	< 1
Isopropylbenzene	ug/L	< 1	1	< 1	1	< 1
m + p Xylene	ug/L	< 2	< 2	< 2	< 2	< 2
Methyl Ethyl Ketone	ug/L	< 10	< 10	< 10	< 10	< 10
Methylene Chloride	ug/L	< 1	< 1	< 1	< 1	< 1
Methylisobutylketone	ug/L	< 10	< 10	< 10	< 10	< 10
n-Butylbenzene	ug/L	< 1	< 1	< 1	< 1	< 1
n-Propylbenzene	ug/L	< 1	< 1	< 1	< 1	< 1
Naphthalene(v)	ug/L	< 1	< 1	< 1	< 1	< 1
o Xylene	ug/L	< 1	< 1	< 1	< 1	< 1
p Diethylbenzene	ug/L	< 1	< 1	< 1	< 1	< 1
p-Ethyltoluene	ug/L	< 1	< 1	< 1	< 1	< 1
p-Isopropyltoluene	ug/L	< 1	< 1	< 1	< 1	< 1
sec-Butylbenzene	ug/L	< 1	< 1	< 1	< 1	< 1
Styrene	ug/L	< 1	< 1	< 1	< 1	< 1
t-1,2-Dichloroethene	ug/L	< 1	< 1	< 1	< 1	< 1
t-1,3Dichloropropene	ug/L	< 1	< 1	< 1	< 1	< 1
t-1,4-Dichloro-2-butene	ug/L	< 1	< 1	< 1	< 1	< 1
ter.ButylMethylEther	ug/L	< 1	< 1	< 1	< 1	< 1
tert-Butylbenzene	ug/L	< 1	< 1	< 1	< 1	< 1
Tetrachloroethene	ug/L	< 1	< 1	< 1	< 1	< 1
Toluene	ug/L	< 1	< 1	< 1	< 1	< 1
Trichloroethene	ug/L	< 1	< 1	< 1	< 1	< 1
Trichlorofluoromethane	ug/L	< 1	< 1	< 1	< 1	< 1
Vinyl Acetate	ug/L	< 10	< 10	< 10	< 10	< 10
Vinyl Chloride	ug/L	< 1	< 1	< 1	< 1	< 1
Semi-Volatile Organic Carbons						
1,2 Dichlorobenzene(sv)	ug/L	< 1	< 1	< 1	< 1	< 1
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 (u J)	< 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

GROUNDWATER MONITORING ANALYTICAL RESULTS SUMMARY TABLE

Wells Screened in the:		Saturated Zone Above the Tital Marsh Deposit									
Pennsylvania Avenue Landfill #200903		9/10/2010 104206.01		9/9/2010 104189.09		9/7/2010 104189.01		9/10/2010 104206.03		9/7/2010 104189.02	
ANALYTE	UNITS	HP-101-U		HP-407-U		HP-104-A		HP-318		HP-603	
Semi-Volatile Organic Carbons											
Acenaphthene	ug/L	<	1	<	1	<	1		4.1		1.7
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 (u J)	<	1	<	1	<	1
Benzo(b)fluoranthene	ug/L	<	1	<	1 (u J)	<	1	<	1	<	1
Benzo(ghi)perylene	ug/L	<	1	<	1 (u J)	<	1	<	1	<	1
Benzo(k)fluoranthene	ug/L	<	1	<	1 (u J)	<	1	<	1	<	1
BenzylButylPhthalate	ug/L	<	1		1.9		3.1	<	1		3.1
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	<	5.3 (u)	<	11 (u)	<	23 (u)	<	26 (u)	<	18 (u)
Carbazole	ug/L	<	1	<	1	<	1	<	1	<	1
Chrysene	ug/L	<	1	<	1	<	1	<	1	<	1
Di-n-Butyl Phthalate	ug/L	<	1		1.2		2.5		2.3		2.1
Di-n-octyl Phthalate	ug/L	<	1	<	1 (u J)	<	1		1.3		2
Dibenzo(a,h)anthracene	ug/L	<	1	<	1 (u J)	<	1	<	1	<	1
Dibenzofuran	ug/L	<	1	<	1	<	1		1.8	<	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
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 (u J)	<	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	<	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

GROUNDWATER MONITORING ANALYTICAL RESULTS SUMMARY TABLE

Wells Screened in the:		Saturated Zone Above the Tital Marsh Deposit									
Pennsylvania Avenue Landfill #200903		9/10/2010 104206.01		9/9/2010 104189.09		9/7/2010 104189.01		9/10/2010 104206.03		9/7/2010 104189.02	
ANALYTE	UNITS	HP-101-U		HP-407-U		HP-104-A		HP-318		HP-603	
Semi-Volatile Organic Carbons											
2-Methyl-4,6-dinitrophenol	ug/L	<	10	<	10	<	10	<	10	<	10
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
Pesticides and PCBs											
a BHC	ug/L	<	0.05	<	0.05	<	0.05	<	0.05	<	0.05
Aldrin	ug/L	<	0.05	<	0.05	<	0.05	<	0.05	<	0.05
b BHC	ug/L	<	0.05	<	0.05	<	0.05	<	0.05	<	0.05
Chlordane	ug/L	<	0.2	<	0.2	<	0.2	<	0.2	<	0.2
d BHC	ug/L	<	0.05	<	0.05	<	0.05	<	0.05	<	0.05
Dieldrin	ug/L	<	0.05	<	0.05	<	0.05	<	0.05	<	0.05
Endosulfan 1	ug/L	<	0.1	<	0.1	<	0.1	<	0.1	<	0.1
Endosulfan 2	ug/L	<	0.1	<	0.1	<	0.1	<	0.1	<	0.1
Endosulfan Sulfate	ug/L	<	0.3	<	0.3	<	0.3	<	0.3	<	0.3
Endrin	ug/L	<	0.05	<	0.05	<	0.05	<	0.05	<	0.05
Endrin Aldehyde	ug/L	<	0.3	<	0.3	<	0.3	<	0.3	<	0.3
Endrin Ketone	ug/L	<	0.1	<	0.1	<	0.1	<	0.1	<	0.1
Heptachlor	ug/L	<	0.05	<	0.05	<	0.05	<	0.05	<	0.05
Heptachlor Epoxide	ug/L	<	0.05	<	0.05	<	0.05	<	0.05	<	0.05
Lindane	ug/L	<	0.05	<	0.05	<	0.05	<	0.05	<	0.05
Methoxychlor	ug/L	<	0.1	<	0.1	<	0.1	<	0.1	<	0.1
p,p-DDD	ug/L	<	0.05	<	0.05	<	0.05	<	0.05	<	0.05
p,p-DDE	ug/L	<	0.05	<	0.05	<	0.05	<	0.05	<	0.05
p,p-DDT	ug/L	<	0.1	<	0.1	<	0.1	<	0.1	<	0.1
Toxaphene	ug/L	<	1	<	1	<	1	<	1	<	1
Aroclor 1016	ug/L	<	0.065	<	0.065	<	0.065	<	0.065	<	0.065
Aroclor 1221	ug/L	<	0.065	<	0.065	<	0.065	<	0.065	<	0.065
Aroclor 1232	ug/L	<	0.065	<	0.065	<	0.065	<	0.065	<	0.065
Aroclor 1242	ug/L	<	0.065	<	0.065	<	0.065	<	0.065	<	0.065
Aroclor 1248	ug/L	<	0.065	<	0.065	<	0.065	<	0.065	<	0.065
Aroclor 1254	ug/L	<	0.065	<	0.065	<	0.065	<	0.065	<	0.065
Aroclor 1260	ug/L	<	0.065	<	0.065	<	0.065	<	0.065	<	0.065

GROUNDWATER MONITORING ANALYTICAL RESULTS SUMMARY TABLE

Wells Screened in the:		Saturated Zone Above the Tital Marsh Deposit									
Pennsylvania Avenue Landfill **#200903**		9/10/2010 104206.01		9/9/2010 104189.09		9/7/2010 104189.01		9/10/2010 104206.03		9/7/2010 104189.02	
ANALYTE	UNITS	HP-101-U		HP-407-U		HP-104-A		HP-318		HP-603	
Metals											
Aluminum as Al	mg/L	<	0.05		0.06	<	0.05		0.13	<	0.05
Antimony as Sb	mg/L	<	0.025	<	0.025	<	0.025	<	0.025	<	0.025
Arsenic as As	mg/L	<	0.025	<	0.025	<	0.025	<	0.025	<	0.025
Barium as Ba	mg/L		0.11		1		0.19		0.066		0.044
Beryllium as Be	mg/L	<	0.005	<	0.005	<	0.005	<	0.005	<	0.005
Boron as B	mg/L		0.4		3.4		0.41		0.68		0.23
Cadmium as Cd	mg/L	<	0.025	<	0.025	<	0.025	<	0.025	<	0.025
Calcium as Ca	mg/L		130		97		200		230		170
Chromium as Cr	mg/L	<	0.025	<	0.025	<	0.025	<	0.025	<	0.025
Chromium hex as Cr	mg/L	<	0.02	<	0.02	<	0.02	<	0.02	<	0.02
Cobalt as Co	mg/L	<	0.025	<	0.025	<	0.025	<	0.025	<	0.025
Copper as Cu	mg/L	<	0.05	<	0.05	<	0.05	<	0.05	<	0.05
Iron as Fe	mg/L		24		1.1		14		15		6.5
Lead as Pb	mg/L	<	0.025	<	0.025	<	0.025	<	0.025	<	0.025
Magnesium as Mg	mg/L		22		130		45		47		26
Manganese as Mn	mg/L		0.35		0.37		0.93		0.57		0.51
Mercury as Hg	mg/L	<	0.00025	<	0.00025	<	0.00025	<	0.00025	<	0.00025
Nickel as Ni	mg/L	<	0.05	<	0.05	<	0.05	<	0.05	<	0.05
Potassium as K	mg/L		21		100		21		40		9.3
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		600		410		84		380		61
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		0.1	<	0.05	<	0.05	<	0.05
Leachate Indicator Parameters											
Alkalinity tot CaCo3	mg/L		620		1800		920		520		280
Ammonia as N	mg/L		8.6		130		6.6		26		2.8
BOD5	mg/L		6		16	<	2		4.6	<	2
Bromide as Br	mg/L		1.1		3.2		1.2		1.3		0.8
Chloride as Cl	mg/L		1000		420		110		930		86
COD	mg/L		80		330		40		160	<	40
Color units			30		150		20		20		10
Cyanide as CN	mg/L	<	0.02	<	0.02	<	0.02	<	0.02	<	0.02
Hardness as CaC03			410		780		680		770		530
Nitrate as N	mg/L	<	0.5	<	0.5	<	0.5	<	0.5	<	0.5
Phenols as Phenol	mg/L	<	0.001	<	0.001	<	0.001	<	0.001	<	0.001
Sulfate as SO4	mg/L		75	<	10		38		9		360
Tot Dissolved Solids	mg/L		2200		2200		1100		2500		1000
Tot Organic Carbon	mg/L		5.7		48		10		4.1		5.1
Tot. Kjeldahl N.	mg/L		10		130		7.8		28		3.8

GROUNDWATER MONITORING ANALYTICAL RESULTS SUMMARY TABLE

Wells Screened in the:		Upper Portion of the Upper Glacial Aquifer				Lower Portion of the Upper Glacial Aquifer					
Pennsylvania Avenue Landfill #200903		9/9/2010		9/8/2010		9/10/2010		9/8/2010		9/9/2010	
		104189.10		104189.04		104206.02		104189.03		104189.05	
ANALYTE	UNITS	HP-101-S		HP-407-S		HP-101-D		HP-103-D		HP-407-D	
Volatile Organic Carbons											
1,1 Dichloroethane	ug/L	<	1	<	1	<	1	<	1	<	1
1,1 Dichloroethene	ug/L	<	1	<	1	<	1	<	1	<	1
1,1-Dichloropropene	ug/L	<	1	<	1	<	1	<	1	<	1
1,2 Dibromoethane	ug/L	<	1	<	1	<	1	<	1	<	1
1,2 Dichlorobenzene (v)	ug/L	<	1	<	1	<	1	<	1	<	1
1,2 Dichloroethane	ug/L	<	1	<	1	<	1	<	1	<	1
1,2 Dichloropropane	ug/L	<	1	<	1	<	1	<	1	<	1
1,3 Dichlorobenzene (v)	ug/L	<	1	<	1	<	1	<	1	<	1
1,3-Dichloropropane	ug/L	<	1	<	1	<	1	<	1	<	1
1,4 Dichlorobenzene (v)	ug/L	<	1	<	1	<	1	<	1	<	1
111 Trichloroethane	ug/L	<	1	<	1	<	1	<	1	<	1
1112Tetrachloroethane	ug/L	<	1	<	1	<	1	<	1	<	1
112 Trichloroethane	ug/L	<	1	<	1	<	1	<	1	<	1
1122Tetrachloroethane	ug/L	<	1	<	1	<	1	<	1	<	1
123-Trichlorobenzene	ug/L	<	1	<	1	<	1	<	1	<	1
123-Trichloropropane	ug/L	<	1	<	1	<	1	<	1	<	1
124-Trichlorobenzene (v)	ug/L	<	1	<	1	<	1	<	1	<	1
124-Trimethylbenzene	ug/L	<	1	<	1	<	1	<	1	<	1
1245 Tetramethylbenz	ug/L	<	1	<	1	<	1	<	1	<	1
135-Trimethylbenzene	ug/L	<	1	<	1	<	1	<	1	<	1
2,2-Dichloropropane	ug/L	<	1	<	1	<	1	<	1	<	1
2-Chlorotoluene	ug/L	<	1	<	1	<	1	<	1	<	1
2-Hexanone	ug/L	<	10	<	10	<	10	<	10	<	10
4-Chlorotoluene	ug/L	<	1	<	1	<	1	<	1	<	1
Acetone	ug/L	<	10	<	10	<	10		22	<	10
Acrylonitrile	ug/L	<	5	<	5	<	5	<	5	<	5
Benzene	ug/L	<	1	<	1	<	1	<	1	<	1
Bromobenzene	ug/L	<	1	<	1	<	1	<	1	<	1
Bromochloromethane	ug/L	<	1	<	1	<	1	<	1	<	1
Bromodichloromethane	ug/L	<	1	<	1	<	1	<	1	<	1
Bromoform	ug/L	<	1	<	1	<	1	<	1	<	1
Bromomethane	ug/L	<	1	<	1	<	1	<	1	<	1
c-1,2-Dichloroethene	ug/L	<	1	<	1	<	1	<	1	<	1
c-1,3Dichloropropene	ug/L	<	1	<	1	<	1	<	1	<	1
Carbon disulfide	ug/L	<	1	<	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
Chlorodifluoromethane	ug/L	<	1	<	1	<	1	<	1	<	1
Chloroethane	ug/L	<	1	<	1	<	1	<	1	<	1
Chloroform	ug/L	<	1	<	1	<	1	<	1	<	1
Chloromethane	ug/L	<	1	<	1	<	1	<	1	<	1
Dibromochloropropane	ug/L	<	1	<	1	<	1	<	1	<	1
Dibromomethane	ug/L	<	1	<	1	<	1	<	1	<	1
Dichlorodifluoromethane	ug/L	<	1	<	1	<	1	<	1	<	1

GROUNDWATER MONITORING ANALYTICAL RESULTS SUMMARY TABLE

Wells Screened in the:		Upper Portion of the Upper Glacial Aquifer				Lower Portion of the Upper Glacial Aquifer					
Pennsylvania Avenue Landfill #200903		9/9/2010		9/8/2010		9/10/2010		9/8/2010		9/9/2010	
		104189.10		104189.04		104206.02		104189.03		104189.05	
ANALYTE	UNITS	HP-101-S		HP-407-S		HP-101-D		HP-103-D		HP-407-D	
Volatile Organic Carbons											
Ethyl Benzene	ug/L	<	1	<	1	<	1	<	1	<	1
Freon 113	ug/L	<	1	<	1	<	1	<	1	<	1
Hexachlorobutadiene	ug/L	<	1	<	1	<	1	<	1	<	1
Isopropylbenzene	ug/L	<	1	<	1	<	1	<	1	<	1
m + p Xylene	ug/L	<	2	<	2	<	2	<	2	<	2
Methyl Ethyl Ketone	ug/L	<	10	<	10	<	10	<	10	<	10
Methylene Chloride	ug/L	<	1	<	1	<	1	<	1	<	1
Methylisobutylketone	ug/L	<	10	<	10	<	10	<	10	<	10
n-Butylbenzene	ug/L	<	1	<	1	<	1	<	1	<	1
n-Propylbenzene	ug/L	<	1	<	1	<	1	<	1	<	1
Naphthalene(v)	ug/L	<	1	<	1	<	1	<	1	<	1
o Xylene	ug/L	<	1	<	1	<	1	<	1	<	1
p Diethylbenzene	ug/L	<	1	<	1	<	1	<	1	<	1
p-Ethyltoluene	ug/L	<	1	<	1	<	1	<	1	<	1
p-Isopropyltoluene	ug/L	<	1	<	1	<	1	<	1	<	1
sec-Butylbenzene	ug/L	<	1	<	1	<	1	<	1	<	1
Styrene	ug/L	<	1	<	1	<	1	<	1	<	1
t-1,2-Dichloroethene	ug/L	<	1	<	1	<	1	<	1	<	1
t-1,3Dichloropropene	ug/L	<	1	<	1	<	1	<	1	<	1
t-1,4-Dichloro-2-butene	ug/L	<	1	<	1	<	1	<	1	<	1
ter.ButylMethylEther	ug/L	<	1	<	1	<	1	<	1	<	1
tert-Butylbenzene	ug/L	<	1	<	1	<	1	<	1	<	1
Tetrachloroethene	ug/L	<	1	<	1	<	1	<	1	<	1
Toluene	ug/L	<	1	<	1	<	1	<	1	<	1
Trichloroethene	ug/L	<	1	<	1	<	1	<	1	<	1
Trichlorofluoromethane	ug/L	<	1	<	1	<	1	<	1	<	1
Vinyl Acetate	ug/L	<	10	<	10	<	10	<	10	<	10
Vinyl Chloride	ug/L	<	1	<	1	<	1	<	1	<	1
Semi-Volatile Organic Carbons											
1,2 Dichlorobenzene(sv)	ug/L	<	1	<	1	<	1	<	1	<	1
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

GROUNDWATER MONITORING ANALYTICAL RESULTS SUMMARY TABLE

Wells Screened in the:		Upper Portion of the Upper Glacial Aquifer				Lower Portion of the Upper Glacial Aquifer					
Pennsylvania Avenue Landfill #200903		9/9/2010		9/8/2010		9/10/2010		9/8/2010		9/9/2010	
		104189.10		104189.04		104206.02		104189.03		104189.05	
ANALYTE	UNITS	HP-101-S		HP-407-S		HP-101-D		HP-103-D		HP-407-D	
Semi-Volatile Organic Carbons											
Acenaphthene	ug/L	<	1	<	1	<	1	<	1	<	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		1.2	<	1	<	1		2.1	<	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	<	6.3 (u)	<	6.8 (u)	<	16 (u)	<	19 (u)	<	13 (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		1.6		1.9	<	1
Di-n-octyl Phthalate	ug/L	<	1	<	1	<	1		1.3	<	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
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	<	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

GROUNDWATER MONITORING ANALYTICAL RESULTS SUMMARY TABLE

Wells Screened in the:		Upper Portion of the Upper Glacial Aquifer				Lower Portion of the Upper Glacial Aquifer					
Pennsylvania Avenue Landfill #200903		9/9/2010		9/8/2010		9/10/2010		9/8/2010		9/9/2010	
		104189.10		104189.04		104206.02		104189.03		104189.05	
ANALYTE	UNITS	HP-101-S		HP-407-S		HP-101-D		HP-103-D		HP-407-D	
Semi-Volatile Organic Carbons											
2-Methyl-4,6-dinitrophenol	ug/L	<	10	<	10	<	10	<	10	<	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
Pesticides and PCBs											
a BHC	ug/L	<	0.05	<	0.05	<	0.05	<	0.05	<	0.05
Aldrin	ug/L	<	0.05	<	0.05	<	0.05	<	0.05	<	0.05
b BHC	ug/L	<	0.05	<	0.05	<	0.05	<	0.05	<	0.05
Chlordane	ug/L	<	0.2	<	0.2	<	0.2	<	0.2	<	0.2
d BHC	ug/L	<	0.05	<	0.05	<	0.05	<	0.05	<	0.05
Dieldrin	ug/L	<	0.05	<	0.05	<	0.05	<	0.05	<	0.05
Endosulfan 1	ug/L	<	0.1	<	0.1	<	0.1	<	0.1	<	0.1
Endosulfan 2	ug/L	<	0.1	<	0.1	<	0.1	<	0.1	<	0.1
Endosulfan Sulfate	ug/L	<	0.3	<	0.3	<	0.3	<	0.3	<	0.3
Endrin	ug/L	<	0.05	<	0.05	<	0.05	<	0.05	<	0.05
Endrin Aldehyde	ug/L	<	0.3	<	0.3	<	0.3	<	0.3	<	0.3
Endrin Ketone	ug/L	<	0.1	<	0.1	<	0.1	<	0.1	<	0.1
Heptachlor	ug/L	<	0.05	<	0.05	<	0.05	<	0.05	<	0.05
Heptachlor Epoxide	ug/L	<	0.05	<	0.05	<	0.05	<	0.05	<	0.05
Lindane	ug/L	<	0.05	<	0.05	<	0.05	<	0.05	<	0.05
Methoxychlor	ug/L	<	0.1	<	0.1	<	0.1	<	0.1	<	0.1
p,p-DDD	ug/L	<	0.05	<	0.05	<	0.05	<	0.05	<	0.05
p,p-DDE	ug/L	<	0.05	<	0.05	<	0.05	<	0.05	<	0.05
p,p-DDT	ug/L	<	0.1	<	0.1	<	0.1	<	0.1	<	0.1
Toxaphene	ug/L	<	1	<	1	<	1	<	1	<	1
Aroclor 1016	ug/L	<	0.065	<	0.065	<	0.065	<	0.065	<	0.065
Aroclor 1221	ug/L	<	0.065	<	0.065	<	0.065	<	0.065	<	0.065
Aroclor 1232	ug/L	<	0.065	<	0.065	<	0.065	<	0.065	<	0.065
Aroclor 1242	ug/L	<	0.065	<	0.065	<	0.065	<	0.065	<	0.065
Aroclor 1248	ug/L	<	0.065	<	0.065	<	0.065	<	0.065	<	0.065
Aroclor 1254	ug/L	<	0.065	<	0.065	<	0.065	<	0.065	<	0.065
Aroclor 1260	ug/L	<	0.065	<	0.065	<	0.065	<	0.065	<	0.065

GROUNDWATER MONITORING ANALYTICAL RESULTS SUMMARY TABLE

Wells Screened in the:		Upper Portion of the Upper Glacial Aquifer				Lower Portion of the Upper Glacial Aquifer					
Pennsylvania Avenue Landfill **#200903**		9/9/2010		9/8/2010		9/10/2010		9/8/2010		9/9/2010	
		104189.10		104189.04		104206.02		104189.03		104189.05	
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		0.11		0.05	<	0.05
Antimony as Sb	mg/L	<	0.025	<	0.025	<	0.025	<	0.025	<	0.025
Arsenic as As	mg/L	<	0.025	<	0.025	<	0.025	<	0.025	<	0.025
Barium as Ba	mg/L		0.046		0.15		0.15		0.099		0.054
Beryllium as Be	mg/L	<	0.005	<	0.005	<	0.005	<	0.005	<	0.005
Boron as B	mg/L		1.4		1.9		1.8		2.6		2.2
Cadmium as Cd	mg/L	<	0.025	<	0.025	<	0.025	<	0.025	<	0.025
Calcium as Ca	mg/L		51		220		220		130		260
Chromium as Cr	mg/L	<	0.025	<	0.025	<	0.025	<	0.025	<	0.025
Chromium hex as Cr	mg/L	<	0.02	<	0.02	<	0.02	<	0.02	<	0.02
Cobalt as Co	mg/L	<	0.025	<	0.025	<	0.025	<	0.025	<	0.025
Copper as Cu	mg/L	<	0.05	<	0.05	<	0.05	<	0.05	<	0.05
Iron as Fe	mg/L		0.82		14		1.2		0.7		25
Lead as Pb	mg/L	<	0.025	<	0.025	<	0.025	<	0.025	<	0.025
Magnesium as Mg	mg/L		110		490		220		210		600
Manganese as Mn	mg/L		0.05		0.58		0.27		0.23	<	0.05
Mercury as Hg	mg/L	<	0.00025	<	0.00025	<	0.00025	<	0.00025	<	0.00025
Nickel as Ni	mg/L	<	0.05	<	0.05	<	0.05	<	0.05	<	0.05
Potassium as K	mg/L		110		220		290		180		270
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		1300		3800		17000		1800		4900
Thallium as Tl	mg/L	<	0.025	<	0.025	<	0.025	<	0.025	<	0.025
Vanadium as V	mg/L	<	0.025	<	0.025	<	0.025	<	0.025	<	0.025
Zinc as Zn	mg/L	<	0.05	<	0.05	<	0.05	<	0.05		0.05
Leachate Indicator Parameters											
Alkalinity tot CaCo3	mg/L		1000		560		1000		1100		260
Ammonia as N	mg/L		4.8		12		24		67		1.6
BOD5	mg/L		2.1		2.6		7.3		7.5		3
Bromide as Br	mg/L		2.3		22		43		13		19
Chloride as Cl	mg/L		2400		8000		28000		3200		10000
COD	mg/L		220		600		2200		300		650
Color	units		50		25		50		80		15
Cyanide as CN	mg/L	<	0.02	<	0.02	<	0.02	<	0.02	<	0.02
Hardness as CaC03			590		2600		1500		1200		3100
Nitrate as N	mg/L	<	0.5	<	0.5	<	0.5		15	<	0.5
Phenols as Phenol	mg/L	<	0.001	<	0.001	<	0.001	<	0.001	<	0.001
Sulfate as SO4	mg/L	<	10		800		680		330		1200
Tot Dissolved Solids	mg/L		4400		15000		46000		6200		18000
Tot Organic Carbon	mg/L		4.8		1.7		3.8		41	<	0.5
Tot. Kjeldahl N.	mg/L		5.4		13		25		71		2.4

GROUNDWATER MONITORING ANALYTICAL RESULTS SUMMARY TABLE

Wells Screened in the:		QA/QC Samples				
Pennsylvania Avenue Landfill #200903			9/9/2010	9/9/2010	9/10/2010	
		104189.06	104189.07	104189.08	104206.04	104206.05
ANALYTE	UNITS	Blind Duplicate	HP-407-D-MS	HP-407-D-MSD	Field Blank	Trip Blank
Volatile Organic Carbons						
1,1 Dichloroethane	ug/L	< 1	20	20	< 1	< 1
1,1 Dichloroethene	ug/L	< 1	21	22	< 1	< 1
1,1-Dichloropropene	ug/L	< 1	20	21	< 1	< 1
1,2 Dibromoethane	ug/L	< 1	20	20	< 1	< 1
1,2 Dichlorobenzene (v)	ug/L	< 1	19	19	< 1	< 1
1,2 Dichloroethane	ug/L	< 1	20	20	< 1	< 1
1,2 Dichloropropane	ug/L	< 1	19	20	< 1	< 1
1,3 Dichlorobenzene (v)	ug/L	< 1	19	19	< 1	< 1
1,3-Dichloropropane	ug/L	< 1	20	20	< 1	< 1
1,4 Dichlorobenzene (v)	ug/L	< 1	19	19	< 1	< 1
111 Trichloroethane	ug/L	< 1	22	21	< 1	< 1
1112Tetrachloroethane	ug/L	< 1	19	19	< 1	< 1
112 Trichloroethane	ug/L	< 1	20	20	< 1	< 1
1122Tetrachloroethane	ug/L	< 1	20	20	< 1	< 1
123-Trichlorobenzene	ug/L	< 1	19	19	< 1	< 1
123-Trichloropropane	ug/L	< 1	20	20	< 1	< 1
124-Trichlorobenzene (v)	ug/L	< 1	18	19	< 1	< 1
124-Trimethylbenzene	ug/L	< 1	19	19	< 1	< 1
1245 Tetramethylbenz	ug/L	< 1	19	19	< 1	< 1
135-Trimethylbenzene	ug/L	< 1	20	20	< 1	< 1
2,2-Dichloropropane	ug/L	< 1	21	21	< 1	< 1
2-Chlorotoluene	ug/L	< 1	20	19	< 1	< 1
2-Hexanone	ug/L	< 10	120	120	< 10	< 10
4-Chlorotoluene	ug/L	< 1	19	19	< 1	< 1
Acetone	ug/L	< 10	86	100	< 10	< 10
Acrylonitrile	ug/L	< 5	21	20	< 5	< 5
Benzene	ug/L	< 1	20	20	< 1	< 1
Bromobenzene	ug/L	< 1	19	19	< 1	< 1
Bromochloromethane	ug/L	< 1	19	19	< 1	< 1
Bromodichloromethane	ug/L	< 1	19	19	< 1	< 1
Bromoform	ug/L	< 1	19	20	< 1	< 1
Bromomethane	ug/L	< 1	15	15	< 1	< 1
c-1,2-Dichloroethene	ug/L	< 1	20	20	< 1	< 1
c-1,3Dichloropropene	ug/L	< 1	19	19	< 1	< 1
Carbon disulfide	ug/L	< 1	21	21	< 1	< 1
Carbon Tetrachloride	ug/L	< 1	21	21	< 1	< 1
Chlorobenzene	ug/L	< 1	20	20	< 1	< 1
Chlorodibromomethane	ug/L	< 1	19	20	< 1	< 1
Chlorodifluoromethane	ug/L	< 1	21	21	< 1	< 1
Chloroethane	ug/L	< 1	18	18	< 1	< 1
Chloroform	ug/L	< 1	20	20	< 1	< 1
Chloromethane	ug/L	< 1	22	22	< 1	< 1
Dibromochloropropane	ug/L	< 1	21	21	< 1	< 1
Dibromomethane	ug/L	< 1	19	19	< 1	< 1
Dichlorodifluoromethane	ug/L	< 1	22	21	< 1	< 1

GROUNDWATER MONITORING ANALYTICAL RESULTS SUMMARY TABLE

Wells Screened in the:		QA/QC Samples				
Pennsylvania Avenue Landfill #200903		104189.06	9/9/2010 104189.07	9/9/2010 104189.08	9/10/2010 104206.04	104206.05
ANALYTE	UNITS	Blind Duplicate	HP-407-D-MS	HP-407-D-MSD	Field Blank	Trip Blank
Volatile Organic Carbons						
Ethyl Benzene	ug/L	< 1	20	20	< 1	< 1
Freon 113	ug/L	< 1	22	22	< 1	< 1
Hexachlorobutadiene	ug/L	< 1	17	18	< 1	< 1
Isopropylbenzene	ug/L	< 1	20	20	< 1	< 1
m + p Xylene	ug/L	< 2	39	39	< 2	< 2
Methyl Ethyl Ketone	ug/L	< 10	110	110	< 10	< 10
Methylene Chloride	ug/L	< 1	20	19	< 1	< 1
Methylisobutylketone	ug/L	< 10	120	120	< 10	< 10
n-Butylbenzene	ug/L	< 1	19	19	< 1	< 1
n-Propylbenzene	ug/L	< 1	20	20	< 1	< 1
Naphthalene(v)	ug/L	< 1	21	21	< 1	< 1
o Xylene	ug/L	< 1	20	20	< 1	< 1
p Diethylbenzene	ug/L	< 1	19	19	< 1	< 1
p-Ethyltoluene	ug/L	< 1	20	20	< 1	< 1
p-Isopropyltoluene	ug/L	< 1	20	20	< 1	< 1
sec-Butylbenzene	ug/L	< 1	20	20	< 1	< 1
Styrene	ug/L	< 1	19	19	< 1	< 1
t-1,2-Dichloroethene	ug/L	< 1	21	20	< 1	< 1
t-1,3Dichloropropene	ug/L	< 1	19	20	< 1	< 1
t-1,4-Dichloro-2-butene	ug/L	< 1	21	22	< 1	< 1
ter.ButylMethylEther	ug/L	< 1	20	21	< 1	< 1
tert-Butylbenzene	ug/L	< 1	20	19	< 1	< 1
Tetrachloroethene	ug/L	< 1	18	18	< 1	< 1
Toluene	ug/L	< 1	20	20	< 1	< 1
Trichloroethene	ug/L	< 1	20	20	< 1	< 1
Trichlorofluoromethane	ug/L	< 1	24	24	< 1	< 1
Vinyl Acetate	ug/L	< 10	110	110	< 10	< 10
Vinyl Chloride	ug/L	< 1	21	20	< 1	< 1
Semi-Volatile Organic Carbons						
1,2 Dichlorobenzene(sv)	ug/L	< 1	24	25	< 1	
1,3 Dichlorobenzene(sv)	ug/L	< 1	23	24	< 1	
1,4 Dichlorobenzene(sv)	ug/L	< 1	23	26	< 1	
124-Trichlorobenzene (sv)	ug/L	< 1	24	26	< 1	
2,4-Dinitrotoluene	ug/L	< 1	25	26	< 1	
2,6-Dinitrotoluene	ug/L	< 1	25	26	< 1	
2-Chloronaphthalene	ug/L	< 1	25	26	< 1	
2-Methylnaphthalene	ug/L	< 1	30	31	< 1	
2-Nitroaniline	ug/L	< 1	28	30	< 1	
3,3'-Dichlorobenzidine	ug/L	< 10	32	34	< 10	
3-Nitroaniline	ug/L	< 1	33	36	< 1	
4-Bromophenyl phenyl ether	ug/L	< 1	24	26	< 1	
4-Chloroaniline	ug/L	< 1	35	37	< 1	
4-Chlorophenyl phenyl ether	ug/L	< 1	24	25	< 1	
4-Nitroaniline	ug/L	< 1	32	36	< 1	

GROUNDWATER MONITORING ANALYTICAL RESULTS SUMMARY TABLE

Wells Screened in the:		QA/QC Samples				
Pennsylvania Avenue Landfill			9/9/2010	9/9/2010	9/10/2010	
#200903		104189.06	104189.07	104189.08	104206.04	104206.05
ANALYTE	UNITS	Blind Duplicate	HP-407-D-MS	HP-407-D-MSD	Field Blank	Trip Blank
Semi-Volatile Organic Carbons						
Acenaphthene	ug/L	< 1	26	27	< 1	
Acenaphthylene	ug/L	< 1	28	28	< 1	
Anthracene	ug/L	< 1	26	27	< 1	
Benzo(a)anthracene	ug/L	< 1	26	28	< 1	
Benzo(a)pyrene	ug/L	< 1	31	33	< 1	
Benzo(b)fluoranthene	ug/L	< 1	24	28	< 1	
Benzo(ghi)perylene	ug/L	< 1	25	26	< 1	
Benzo(k)fluoranthene	ug/L	< 1	30	29	< 1	
BenzylButylPhthalate	ug/L	< 1	29	32	< 1	
Bis(2-chloroethoxy)methane	ug/L	< 1	25	27	< 1	
Bis(2-chloroethyl)ether	ug/L	< 1	20	22	< 1	
Bis(2-chloroisopropyl)ether	ug/L	< 1	23	25	< 1	
Bis(2-ethylhexyl)phthalate	ug/L	< 5.5 (u)	34	35	< 5.8 (u)	
Carbazole	ug/L	< 1	25	27	< 1	
Chrysene	ug/L	< 1	29	30	< 1	
Di-n-Butyl Phthalate	ug/L	< 1	26	28	< 1	
Di-n-octyl Phthalate	ug/L	< 1	28	30	< 1	
Dibenzo(a,h)anthracene	ug/L	< 1	26	28	< 1	
Dibenzofuran	ug/L	< 1	28	30	< 1	
Diethyl Phthalate	ug/L	< 1	24	26	< 1	
Dimethyl Phthalate	ug/L	< 1	25	27	< 1	
Fluoranthene	ug/L	< 1	25	27	< 1	
Fluorene	ug/L	< 1	26	27	< 1	
Hexachlorobenzene	ug/L	< 1	23	25	< 1	
Hexachlorobutadiene	ug/L	< 1	24	25	< 1	
Hexachlorocyclopentadiene	ug/L	< 10	17	17	< 10	
Hexachloroethane	ug/L	< 1	24	25	< 1	
Indeno(1,2,3-cd)pyrene	ug/L	< 1	26	26	< 1	
Isophorone	ug/L	< 1	23	26	< 1	
N-Nitrosodi-n-propylamine	ug/L	< 1	23	24	< 1	
N-Nitrosodiphenylamine	ug/L	< 1	24	26	< 1	
Naphthalene(sv)	ug/L	< 1	26	27	< 1	
Nitrobenzene	ug/L	< 1	24	26	< 1	
Phenanthrene	ug/L	< 1	24	26	< 1	
Pyrene	ug/L	< 1	31	32	< 1	
2,4,5-Trichlorophenol	ug/L	< 1	32	33	< 1	
2,4,6-Trichlorophenol	ug/L	< 1	31	32	< 1	
2,4-Dichlorophenol	ug/L	< 1	29	30	< 1	
2,4-Dimethylphenol	ug/L	< 1	43	44	< 1	
2,4-Dinitrophenol	ug/L	< 10	23	23	< 10	
2-Chlorophenol	ug/L	< 1	19	20	< 1	

GROUNDWATER MONITORING ANALYTICAL RESULTS SUMMARY TABLE

Wells Screened in the:		QA/QC Samples				
Pennsylvania Avenue Landfill #200903			9/9/2010	9/9/2010	9/10/2010	
		104189.06	104189.07	104189.08	104206.04	104206.05
ANALYTE	UNITS	Blind Duplicate	HP-407-D-MS	HP-407-D-MSD	Field Blank	Trip Blank
Semi-Volatile Organic Carbons						
2-Methyl-4,6-dinitrophenol	ug/L	< 10	29	30	< 10	
2-Methylphenol (o-cresol)	ug/L	< 1	27	29	< 1	
2-Nitrophenol	ug/L	< 1	28	29	< 1	
4-Chloro-3-methylphenol	ug/L	< 1	30	32	< 1	
4-Methylphenol (p-cresol)	ug/L	< 1	22	25	< 1	
4-Nitrophenol	ug/L	< 10	7.7	7.8	< 10	
Pentachlorophenol (ms)	ug/L	< 10	33	36	< 10	
Phenol	ug/L	< 1	10	11	< 1	
Pesticides and PCBs						
a BHC	ug/L	< 0.05	0.9	0.9	< 0.05	
Aldrin	ug/L	< 0.05	0.76	0.73	< 0.05	
b BHC	ug/L	< 0.05	0.88	0.91	< 0.05	
Chlordane	ug/L	< 0.2	< 0.2	< 0.2	< 0.2	
d BHC	ug/L	< 0.05	0.95	0.99	< 0.05	
Dieldrin	ug/L	< 0.05	0.95	0.97	< 0.05	
Endosulfan 1	ug/L	< 0.1	0.93	0.95	< 0.1	
Endosulfan 2	ug/L	< 0.1	0.92	0.95	< 0.1	
Endosulfan Sulfate	ug/L	< 0.3	0.99	1	< 0.3	
Endrin	ug/L	< 0.05	1.1	1.1	< 0.05	
Endrin Aldehyde	ug/L	< 0.3	0.97	0.96	< 0.3	
Endrin Ketone	ug/L	< 0.1	< 0.1	< 0.1	< 0.1	
Heptachlor	ug/L	< 0.05	0.81	0.82	< 0.05	
Heptachlor Epoxide	ug/L	< 0.05	0.92	0.93	< 0.05	
Lindane	ug/L	< 0.05	0.92	0.91	< 0.05	
Methoxychlor	ug/L	< 0.1	1	1.1	< 0.1	
p,p-DDD	ug/L	< 0.05	0.96	0.99	< 0.05	
p,p-DDE	ug/L	< 0.05	0.8	0.79	< 0.05	
p,p-DDT	ug/L	< 0.1	0.9	0.91	< 0.1	
Toxaphene	ug/L	< 1	< 1	< 1	< 1	
Aroclor 1016	ug/L	< 0.065	< 0.065	< 0.065	< 0.065	
Aroclor 1221	ug/L	< 0.065	< 0.065	< 0.065	< 0.065	
Aroclor 1232	ug/L	< 0.065	< 0.065	< 0.065	< 0.065	
Aroclor 1242	ug/L	< 0.065	< 0.065	< 0.065	< 0.065	
Aroclor 1248	ug/L	< 0.065	< 0.065	< 0.065	< 0.065	
Aroclor 1254	ug/L	< 0.065	< 0.065	< 0.065	< 0.065	
Aroclor 1260	ug/L	< 0.065	0.14	0.12	< 0.065	

GROUNDWATER MONITORING ANALYTICAL RESULTS SUMMARY TABLE

Wells Screened in the:		QA/QC Samples									
Pennsylvania Avenue Landfill #200903			104189.06		9/9/2010 104189.07		9/9/2010 104189.08		9/10/2010 104206.04		104206.05
ANALYTE	UNITS		Blind Duplicate		HP-407-D-MS		HP-407-D-MSD		Field Blank		Trip Blank
Metals											
Aluminum as Al	mg/L	<	0.05		20		21		0.01		
Antimony as Sb	mg/L	<	0.025		0.23		0.24	<	0.005		
Arsenic as As	mg/L	<	0.025		0.45		0.46	<	0.005		
Barium as Ba	mg/L		0.15		0.44		0.44	<	0.005		
Beryllium as Be	mg/L	<	0.005		0.43		0.43	<	0.001		
Boron as B	mg/L		2		15		15	<	0.01		
Cadmium as Cd	mg/L	<	0.025		0.41		0.41	<	0.005		
Calcium as Ca	mg/L		220		290		290		0.21		
Chromium as Cr	mg/L	<	0.025		0.41		0.42	<	0.005		
Chromium hex as Cr	mg/L	<	0.02		0.09		0.095	<	0.02		
Cobalt as Co	mg/L	<	0.025		0.4		0.4	<	0.005		
Copper as Cu	mg/L	<	0.05		0.44		0.44	<	0.01		
Iron as Fe	mg/L		14		48		48	<	0.01		
Lead as Pb	mg/L	<	0.025		0.39		0.39	<	0.005		
Magnesium as Mg	mg/L		490		630		640		0.009		
Manganese as Mn	mg/L		0.58		1.4		1.4	<	0.01		
Mercury as Hg	mg/L	<	0.00025		0.0036		0.0037	<	0.00025		
Nickel as Ni	mg/L	<	0.05		0.41		0.41	<	0.01		
Potassium as K	mg/L		230		270		230	<	1		
Selenium as Se	mg/L	<	0.05		0.49		0.46	<	0.01		
Silver as Ag	mg/L	<	0.025		0.12		0.095	<	0.005		
Sodium as Na	mg/L		4000		4800		4200	<	1		
Thallium as Tl	mg/L	<	0.025		0.38		0.38	<	0.005		
Vanadium as V	mg/L	<	0.025		0.43		0.43	<	0.005		
Zinc as Zn	mg/L		0.17		0.53		0.52		0.02		
Leachate Indicator Parameters											
Alkalinity tot CaCo3	mg/L		500		13		12		4		
Ammonia as N	mg/L		11		35		35		0.4		
BOD5	mg/L	<	2		20000		20000	<	2		
Bromide as Br	mg/L		20	<	0.02	<	0.02		0.8		
Chloride as Cl	mg/L		7800		1700		1600		2		
COD	mg/L		600		3.8		3.9	<	40		
Color units			25		0.027		0.027	<	5		
Cyanide as CN	mg/L	<	0.02		2100		2200	<	0.02		
Hardness as CaC03			2600		3300		3300		0.56		
Nitrate as N	mg/L	<	0.5		10		9.6	<	0.5		
Phenols as Phenol	mg/L	<	0.001		21		22	<	0.001		
Sulfate as SO4	mg/L		800					<	5		
Tot Dissolved Solids	mg/L		15000					<	10		
Tot Organic Carbon	mg/L		1.5					<	0.5		
Tot. Kjeldahl N.	mg/L		13						0.8		

Groundwater Monitoring Data Usability Summary Report

ENVIRONMENTAL
Data Services, Inc.

DATA USABILITY SUMMARY REPORT
PENNSYLVANIA AVENUE LANDFILL, NEW YORK

Client: Stratis Contracting Corporation, Peekskill, New York
SDG: 104189, 104190, 104206
Laboratory: EcoTest Laboratories, Inc., North Babylon, New York
Summit Laboratories, Cuyahoga Falls, Ohio
Site: Pennsylvania Avenue Landfill, New York
Date: November 29, 2010

VOC, SVOC, Pesticides, PCBs, Metals, Wet Chemistry			
EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	HP-104-A	104189.01	Water
2	HP-603	104189.02	Water
3	HP-103-D	104189.03	Water
4	HP-407-S	104189.04	Water
5	HP-407-D	104189.05	Water
5MS	HP-407-DMS	104189.07MS	Water
5MSD	HP-407-DMSD	104189.08MSD	Water
6	BLIND DUPLICATE	104189.06	Water
7	HP-407-U	104189.09	Water
8	HP-101-S	104189.10	Water
9*	M1-24 HOUR COMPOSITE, GWL INFLUENT	104190.01	Water
10**	M1-4 GRAB COMPOSITE, GWL INFLUENT	104190.02	Water
11†	M1-08:30- GRAB #1	104190.03	Water
12†	M1-10:30- GRAB #2	104190.04	Water
13†	M1-12:00- GRAB #3	104190.05	Water
14†	M1-14:00- GRAB #4	104190.06	Water
15	HP-101-U	104206.01	Water
16	HP-101-D	104206.02	Water
17	HP-318	104206.03	Water
18	FIELD BLANK	104206.04	Water
19††	TRIP BLANK	104206.05	Water

* - SVOC, PCB, Metals, Hexavalent Chromium, TKN, BOD, Nitrate, Nitrogen, and Chloride only
** - VOC and Cyanide only
† - pH, Total Suspended Solids, and Non-polar Materials only
†† - VOC only

A Data Usability Summary Review was performed on the analytical data for seventeen water samples, one aqueous field blank sample, and one aqueous trip blank sample collected September 7-10, 2010 by Stratis Contracting Corp. at the Pennsylvania Avenue Landfill site in New York. The analysis for bromide was performed by Summit Laboratories in Cuyahoga Falls, Ohio, while the rest of the analyses were performed by EcoTest Laboratories in North Babylon, New York. The samples were analyzed under Environmental Protection Agency (USEPA) *"Test Methods for the Evaluation of Solid Waste, USEPA SW-846, Third Edition, September 1986, with revisions"*.

Specific method references are as follows:

Analysis	*Method References*
VOCs	USEPA SW-846 Method 8260B/624
SVOCs	USEPA SW-846 Method 8270C/625
Pesticides/PCB	USEPA 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 no rejections of data.

Overall the data is acceptable for the intended purposes as qualified for the following deficiencies.

- Bis(2-ethylhexyl)phthalate was qualified as nondetected in thirteen samples due to method blank contamination.
- Seven SVOC compounds were qualified as estimated in one sample due to a low internal standard area count.
- Boron was qualified as nondetected in one sample due to method blank contamination.
- Two metals compounds were qualified as nondetected in two samples due to field blank contamination.

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 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
5	Acetone	OK/OK/19	None for RPD alone

Laboratory Control Samples

- The LCS samples exhibited acceptable %R values.

Method Blank

- The method blanks were free of contamination.

Field Blank

- Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
FIELD BLANK	None- ND	-	-	-	-
TRIP BLANK	None- ND	-	-	-	-

GC/MS Tuning

- All criteria were met.

Initial Calibration

- The initial calibrations exhibited acceptable %RSD and mean RRF values.

Continuing Calibration

- The continuing calibrations exhibited acceptable %D and RRF values.

Compound Quantitation

- All criteria were met.

Internal Standard (IS) Area Performance

- All internal standards met response and retention time (RT) criteria.

Field Duplicate Sample Precision

- Field duplicate results are summarized below.

VOC				
Compound	HP-407-S ug/L	BLIND DUPLICATE ug/L	RPD	Qualifier
None	ND	ND	-	-

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.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- The MS/MSD sample exhibited acceptable percent recoveries (%R) and/or relative percent differences (RPD).

Laboratory Control Samples

- The LCS samples exhibited acceptable recoveries.

Method Blank

- The following table presents compounds detected in the method blanks. Concentrations of common laboratory contaminants in associated samples less than ten (10) times the concentration in the associated method blank are considered to be attributable to laboratory contamination and have been negated and qualified (U). Results are valid and useable as non-detects.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
MB 9/13/10	Bis(2-ethylhexyl)phthalate	13	130	U	1-9, 15-18

Field Blank

- The following table presents compounds detected in the field blanks. Concentrations of common laboratory contaminants in associated samples less than ten (10) times the concentration in the associated field blank are considered to be attributable to laboratory contamination and have been negated and qualified (U). Results are valid and useable as non-detects.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
FIELD BLANK	Bis(2-ethylhexyl)phthalate	5.8	58	None	See Method Blank

GC/MS Tuning

- All criteria were met.

Initial Calibration

- The initial calibrations exhibited acceptable %RSD and mean RRF values.

Continuing Calibration

- The continuing calibrations exhibited acceptable %D and RRF values.

Compound Quantitation

- No discrepancies were identified.

Internal Standard (IS) Area Performance

- The following table presents samples that exceeded the -50%/+100% area criteria for internal standard areas. Non-detected results for the associated compounds are considered estimated and qualified (UJ). Positive results for the associated compounds are considered estimated and qualified (J). Non-detected compounds that exceed the lower limit by -25% area criteria are considered rejected (R) and unusable for project objectives.

Sample ID	Internal Standard	Area Count	Qualifier
7	Perylene-d12	Low	J/UJ- All associated compounds

Field Duplicate Sample Precision

- Field duplicate results are summarized below.

SVOC				
Compound	HP-407-S ug/L	BLIND DUPLICATE 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 sample exhibited acceptable percent recoveries (%R) and/or relative percent differences (RPD).

Laboratory Control Samples

- The LCS sample exhibited acceptable recoveries.

Method Blank

- The method blanks were free of contamination.

Initial Calibration

- The initial calibrations exhibited acceptable %RSD values.

Continuing Calibration

- The continuing calibrations exhibited acceptable %D values.

Compound Quantitation

- All criteria were met.

Field Blank

- Field QC results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
FIELD BLANK	None-ND	-	-	-	-

Field Duplicate Sample Precision

- Field duplicate results are summarized below.

Pest/PCBs				
Compound	HP-407-S ug/L	BLIND DUPLICATE 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 percent recoveries (%R) and/or relative percent differences (RPD).

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 laboratory contamination and have been negated and qualified (U). Results are valid and useable as non-detects.

Blank ID	Compound	Conc. ug/L	Action Level mg/L	Qualifier	Affected Samples
MBLK	Boron	37.0	0.37	U	2

Field Blank

- The following table presents compounds detected in the field blanks. Concentrations of contaminants in associated samples less than five (5) times the concentration in the associated field blank are considered to be attributable to laboratory contamination and have been negated and qualified (U). Results are valid and useable as non-detects.

Metals					
Blank ID	Compound	Conc. mg/L	Action Level mg/L	Qualifier	Affected Samples
FIELD BLANK	Aluminum	0.01	0.05	U	3
	Calcium	0.21	1.05	None	All > 5X
	Magnesium	0.009	0.045	None	All > 5X
	Zinc	0.02	0.10	U	5, 7

Wet Chemistry					
Blank ID	Compound	Conc. mg/L	Action Level mg/L	Qualifier	Affected Samples
FIELD BLANK	Alkalinity	4.0	20.0	None	None for wet chemistry parameters
	Ammonia as N	0.4	2.0	None	
	Chloride	2.0	10.0	None	
	TKN	0.8	4.0	None	
	Bromide	0.8	4.0	None	
	Hardness	0.56	2.8	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.

Metals				
Compound	HP-407-S mg/L	BLIND DUPLICATE mg/L	RPD	Qualifier
Barium	0.15	0.15	0%	None
Calcium	220	220	0%	None
Iron	14	14	0%	None
Magnesium	490	490	0%	None
Manganese	0.58	0.58	0%	None
Potassium	220	230	4%	None
Sodium	3800	4000	5%	None
Zinc	ND	0.17	NC	None
Boron	1.9	2.0	5%	None

Wet Chemistry				
Compound	HP-407-S mg/L	BLIND DUPLICATE mg/L	RPD	Qualifier
Alkalinity	560	500	11%	None
Ammonia as N	12	11	9%	None
BOD5	2.6	ND	NC	None
COD	600	600	0%	None
Chloride	8000	7800	3%	None
Color	25 (color units)	25 (color units)	0%	None
Sulfate	800	800	0%	None
TDS	15000	15000	0%	None
TKN	13	13	0%	None
TOC	1.7	1.5	13%	None
Bromide	22	20	10%	None
Hardness	2600	2600	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: 11/30/10

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.

Groundwater Monitoring Laboratory Analytical Data Reports

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

LAB NO.104189.01 10/05/10

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:09/07/10 RECEIVED:09/09/10
TIME COL'D:1110
MATRIX:Water SAMPLE: HP-104-A

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		091510	1	EPA8260
Chloromethane	ug/L	< 1		091510	1	EPA8260
Vinyl Chloride	ug/L	< 1		091510	1	EPA8260
Bromomethane	ug/L	< 1		091510	1	EPA8260
Chloroethane	ug/L	< 1		091510	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		091510	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		091510	1	EPA8260
Methylene Chloride	ug/L	< 1		091510	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		091510	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		091510	1	EPA8260
2,2-Dichloropropane	ug/L	< 1		091510	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		091510	1	EPA8260
Bromochloromethane	ug/L	< 1		091510	1	EPA8260
Chloroform	ug/L	< 1		091510	1	EPA8260
111 Trichloroethane	ug/L	< 1		091510	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		091510	1	EPA8260
1,1-Dichloropropene	ug/L	< 1		091510	1	EPA8260
Benzene	ug/L	< 1		091510	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		091510	1	EPA8260
Trichloroethene	ug/L	< 1		091510	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		091510	1	EPA8260
Dibromomethane	ug/L	< 1		091510	1	EPA8260
Bromodichloromethane	ug/L	< 1		091510	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		091510	1	EPA8260
Toluene	ug/L	< 1		091510	1	EPA8260

cc:

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REMARKS:

NW
11/29/10 DIRECTOR

rn = 23683 NYSDOH ID # 10320 Page 1 of 11

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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

LAB NO.104189.01 10/05/10

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:09/07/10 RECEIVED:09/09/10
TIME COL'D:1110
MATRIX:Water SAMPLE: HP-104-A

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/L	< 1		091510	1	EPA8260
112 Trichloroethane	ug/L	< 1		091510	1	EPA8260
Tetrachloroethene	ug/L	< 1		091510	1	EPA8260
1,3-Dichloropropane	ug/L	< 1		091510	1	EPA8260
Chlorodibromomethane	ug/L	< 1		091510	1	EPA8260
1,2 Dibromoethane	ug/L	< 1		091510	1	EPA8260
Chlorobenzene	ug/L	6		091510	1	EPA8260
Ethyl Benzene	ug/L	< 1		091510	1	EPA8260
1112Tetrachloroethane	ug/L	< 1		091510	1	EPA8260
m + p Xylene	ug/L	< 2		091510	2	EPA8260
o Xylene	ug/L	< 1		091510	1	EPA8260
Styrene	ug/L	< 1		091510	1	EPA8260
Bromoform	ug/L	< 1		091510	1	EPA8260
Isopropylbenzene	ug/L	< 1		091510	1	EPA8260
Bromobenzene	ug/L	< 1		091510	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		091510	1	EPA8260
123-Trichloropropane	ug/L	< 1		091510	1	EPA8260
n-Propylbenzene	ug/L	< 1		091510	1	EPA8260
2-Chlorotoluene	ug/L	< 1		091510	1	EPA8260
135-Trimethylbenzene	ug/L	< 1		091510	1	EPA8260
4-Chlorotoluene	ug/L	< 1		091510	1	EPA8260
tert-Butylbenzene	ug/L	< 1		091510	1	EPA8260
124-Trimethylbenzene	ug/L	< 1		091510	1	EPA8260
sec-Butylbenzene	ug/L	< 1		091510	1	EPA8260
p-Isopropyltoluene	ug/L	< 1		091510	1	EPA8260

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REMARKS:

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7 Corporate Drive
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ATTN: Vincent G. Pelusio PO#:30-019

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TIME COL'D:1110
MATRIX:Water SAMPLE: HP-104-A

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/L	< 1		091510	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		091510	1	EPA8260
n-Butylbenzene	ug/L	< 1		091510	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		091510	1	EPA8260
Dibromochloropropane	ug/L	< 1		091510	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		091510	1	EPA8260
Hexachlorobutadiene	ug/L	< 1		091510	1	EPA8260
Naphthalene(v)	ug/L	< 1		091510	1	EPA8260
123-Trichlorobenzene	ug/L	< 1		091510	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		091510	1	EPA8260
p-Ethyltoluene	ug/L	< 1		091510	1	EPA8260
Freon 113	ug/L	< 1		091510	1	EPA8260
1245 Tetramethylbenz	ug/L	< 1		091510	1	EPA8260
Acetone	ug/L	< 10		091510	10	EPA8260
Methyl Ethyl Ketone	ug/L	< 10		091510	10	EPA8260
Methylisobutylketone	ug/L	< 10		091510	10	EPA8260
Chlorodifluoromethane	ug/L	< 1		091510	1	EPA8260
p Diethylbenzene	ug/L	< 1		091510	1	EPA8260
Acrylonitrile	ug/L	< 5		091510	5	EPA8260
Carbon disulfide	ug/L	< 1		091510	1	EPA8260
2-Hexanone	ug/L	< 10		091510	10	EPA8260
Vinyl Acetate	ug/L	< 10		091510	10	EPA8260
t-1,4-Dichloro-2-butene	ug/L	< 1		091510	1	EPA8260

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REMARKS:

MW 11/29/10 DIRECTOR

rn = 23685 NYSDOH ID # 10320 Page 3 of 11

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Peekskill, NY 10566
ATTN: Vincent G. Pelusio PO#:30-019

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SOURCE OF SAMPLE:
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TIME COL'D:1110
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		091310	1	EPA8270
1,3 Dichlorobenzene(sv)	ug/L	< 1		091310	1	EPA8270
1,4 Dichlorobenzene(sv)	ug/L	< 1		091310	1	EPA8270
Carbazole	ug/L	< 1		091310	1	EPA8270
1,2 Dichlorobenzene(sv)	ug/L	< 1		091310	1	EPA8270
Bis(2-chloroisopropyl)ether	ug/L	< 1		091310	1	EPA8270
N-Nitrosodi-n-propylamine	ug/L	< 1		091310	1	EPA8270
Hexachloroethane	ug/L	< 1		091310	1	EPA8270
Nitrobenzene	ug/L	< 1		091310	1	EPA8270
Isophorone	ug/L	< 1		091310	1	EPA8270
Bis(2-chloroethoxy)methane	ug/L	< 1		091310	1	EPA8270
124-Trichlorobenzene (sv)	ug/L	< 1		091310	1	EPA8270
Naphthalene(sv)	ug/L	< 1		091310	1	EPA8270
4-Chloroaniline	ug/L	< 1		091310	1	EPA8270
Hexachlorobutadiene	ug/L	< 1		091310	1	EPA8270
2-Methylnaphthalene	ug/L	< 1		091310	1	EPA8270
Hexachlorocyclopentadiene	ug/L	< 10		091310	10	EPA8270
2-Chloronaphthalene	ug/L	< 1		091310	1	EPA8270
2-Nitroaniline	ug/L	< 1		091310	1	EPA8270
Dimethyl Phthalate	ug/L	< 1		091310	1	EPA8270
Acenaphthylene	ug/L	< 1		091310	1	EPA8270
2,6-Dinitrotoluene	ug/L	< 1		091310	1	EPA8270
3-Nitroaniline	ug/L	< 1		091310	1	EPA8270
Acenaphthene	ug/L	< 1		091310	1	EPA8270
Dibenzofuran	ug/L	< 1		091310	1	EPA8270

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REMARKS:

NW 11/29/10

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rn = 23686 NYSDOH ID # 10320 Page 4 of 11

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LAB NO.104189.01 10/05/10

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:09/07/10 RECEIVED:09/09/10
TIME COL'D:1110
MATRIX:Water SAMPLE: HP-104-A

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/L	< 1		091310	1	EPA8270
Diethyl Phthalate	ug/L	< 1		091310	1	EPA8270
4-Chlorophenyl phenyl ether	ug/L	< 1		091310	1	EPA8270
Fluorene	ug/L	< 1		091310	1	EPA8270
4-Nitroaniline	ug/L	< 1		091310	1	EPA8270
N-Nitrosodiphenylamine	ug/L	< 1		091310	1	EPA8270
4-Bromophenyl phenyl ether	ug/L	< 1		091310	1	EPA8270
Hexachlorobenzene	ug/L	< 1		091310	1	EPA8270
Phenanthrene	ug/L	< 1		091310	1	EPA8270
Anthracene	ug/L	< 1		091310	1	EPA8270
Di-n-Butyl Phthalate	ug/L	2.5		091310	1	EPA8270
Fluoranthene	ug/L	< 1		091310	1	EPA8270
Pyrene	ug/L	< 1		091310	1	EPA8270
BenzylButylPhthalate	ug/L	3.1		091310	1	EPA8270
3,3'-Dichlorobenzidine	ug/L	< 10		091310	10	EPA8270
Benzo(a)anthracene	ug/L	< 1		091310	1	EPA8270

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REMARKS:

nw
11/29/10

DIRECTOR

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ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/L	< 1		091310	1	EPA8270
Bis(2-ethylhexyl)phthalate	ug/L	23 u	#	091310	1	EPA8270
Di-n-octyl Phthalate	ug/L	< 1		091310	1	EPA8270
Benzo(b)fluoranthene	ug/L	< 1		091310	1	EPA8270
Benzo(k)fluoranthene	ug/L	< 1		091310	1	EPA8270
Benzo(a)pyrene	ug/L	< 1		091310	1	EPA8270
Indeno(1,2,3-cd)pyrene	ug/L	< 1		091310	1	EPA8270
Dibenzo(a,h)anthracene	ug/L	< 1		091310	1	EPA8270
Benzo(ghi)perylene	ug/L	< 1		091310	1	EPA8270

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REMARKS: #Method blank contains 2.1 ug/L of Bis(2-ethylhexyl) phthalate.

RW 11/29/10 DIRECTOR

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LAB NO.104189.01 10/05/10

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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:09/07/10 RECEIVED:09/09/10
TIME COL'D:1110
MATRIX:Water SAMPLE: HP-104-A

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/L	< 1		091310	1	EPA8270
2-Chlorophenol	ug/L	< 1		091310	1	EPA8270
2-Methylphenol (o-cresol)	ug/L	< 1		091310	1	EPA8270
4-Methylphenol (p-cresol)	ug/L	< 1		091310	1	EPA8270
2-Nitrophenol	ug/L	< 1		091310	1	EPA8270
2,4-Dimethylphenol	ug/L	< 1		091310	1	EPA8270
2,4-Dichlorophenol	ug/L	< 1		091310	1	EPA8270
4-Chloro-3-methylphenol	ug/L	< 1		091310	1	EPA8270
2,4,6-Trichlorophenol	ug/L	< 1		091310	1	EPA8270
2,4,5-Trichlorophenol	ug/L	< 1		091310	1	EPA8270
2,4-Dinitrophenol	ug/L	< 10		091310	10	EPA8270
4-Nitrophenol	ug/L	< 10		091310	10	EPA8270
2-Methyl-4,6-dinitrophenol	ug/L	< 10		091310	10	EPA8270
Pentachlorophenol (ms)	ug/L	< 10		091310	10	EPA8270

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REMARKS:

11/29/10 DIRECTOR

rn = 23689 NYSDOH ID # 10320 Page 7 of 11

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COLLECTED BY: Client DATE COL'D:09/07/10 RECEIVED:09/09/10
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MATRIX:Water SAMPLE: HP-104-A

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/L	< 0.05	091510	0.05	EPA608
Heptachlor	ug/L	< 0.05	091510	0.05	EPA608
Aldrin	ug/L	< 0.05	091510	0.05	EPA608
Heptachlor Epoxide	ug/L	< 0.05	091510	0.05	EPA608
p,p-DDE	ug/L	< 0.05	091510	0.05	EPA608
Dieldrin	ug/L	< 0.05	091510	0.05	EPA608
Endrin	ug/L	< 0.05	091510	0.05	EPA608
p,p-DDD	ug/L	< 0.05	091510	0.05	EPA608
p,p-DDT	ug/L	< 0.1	091510	0.1	EPA608
Chlordane	ug/L	< 0.2	091510	0.2	EPA608
Toxaphene	ug/L	< 1	091510	1	EPA608
Endrin Ketone	ug/L	< 0.1	091510	0.1	EPA608
a BHC	ug/L	< 0.05	091510	0.05	EPA608
b BHC	ug/L	< 0.05	091510	0.05	EPA608
d BHC	ug/L	< 0.05	091510	0.05	EPA608
Endosulfan 1	ug/L	< 0.1	091510	0.1	EPA608

cc:

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REMARKS:

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MATRIX:Water SAMPLE: HP-104-A

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
Endosulfan 2	ug/L	< 0.1	091510	0.1	EPA608
Endosulfan Sulfate	ug/L	< 0.3	091510	0.3	EPA608
Methoxychlor	ug/L	< 0.1	091510	0.1	EPA608
Endrin Aldehyde	ug/L	< 0.3	091510	0.3	EPA608
Aroclor 1016	ug/L	< 0.065	091510	0.065	EPA608
Aroclor 1221	ug/L	< 0.065	091510	0.065	EPA608
Aroclor 1232	ug/L	< 0.065	091510	0.065	EPA608
Aroclor 1242	ug/L	< 0.065	091510	0.065	EPA608
Aroclor 1248	ug/L	< 0.065	091510	0.065	EPA608
Aroclor 1254	ug/L	< 0.065	091510	0.065	EPA608
Aroclor 1260	ug/L	< 0.065	091510	0.065	EPA608

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TIME COL'D:1110
MATRIX:Water SAMPLE: HP-104-A

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	TIME LRL	ANALYTICAL METHOD
Aluminum as Al	mg/L	< 0.05		091710	0.05	EPA200.7
Antimony as Sb	mg/L	< 0.025		091710	0.025	EPA200.7
Arsenic as As	mg/L	< 0.025		091710	0.025	EPA200.7
Barium as Ba	mg/L	0.19		091710	0.025	EPA200.7
Beryllium as Be	mg/L	< 0.005		091710	0.005	EPA200.7
Cadmium as Cd	mg/L	< 0.025		091710	0.025	EPA200.7
Calcium as Ca	mg/L	200		091710	1	EPA200.7
Chromium as Cr	mg/L	< 0.025		091710	0.025	EPA200.7
Cobalt as Co	mg/L	< 0.025		091710	0.025	EPA200.7
Copper as Cu	mg/L	< 0.05		091710	0.05	EPA200.7
Iron as Fe	mg/L	14		091710	0.05	EPA200.7
Lead as Pb	mg/L	< 0.025		091710	0.025	EPA200.7
Magnesium as Mg	mg/L	45		091710	0.025	EPA200.7
Manganese as Mn	mg/L	0.93		091710	0.05	EPA200.7
Mercury as Hg	mg/L	< 0.00025		091410	0.0002	EPA245.2
Nickel as Ni	mg/L	< 0.05		091710	0.05	EPA200.7
Potassium as K	mg/L	21		091710	5	EPA200.7
Selenium as Se	mg/L	< 0.05		091710	0.05	EPA200.7
Silver as Ag	mg/L	< 0.025		091710	0.025	EPA200.7
Sodium as Na	mg/L	84		091710	5	EPA200.7
Thallium as Tl	mg/L	< 0.025		091710	0.025	EPA200.7
Vanadium as V	mg/L	< 0.025		091710	0.025	EPA200.7
Zinc as Zn	mg/L	< 0.05		091710	0.05	EPA200.7
Boron as B	mg/L	0.41		091710	0.05	EPA200.7

cc:

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REMARKS:

11/29/10 DIRECTOR

rn = 23692 NYSDOH ID # 10320 Page 10 of 11

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TIME COL'D:1110
MATRIX:Water SAMPLE: HP-104-A

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Alkalinity tot CaCo3	mg/L	920		091410	20	S182320B
Ammonia as N	mg/L	6.6		091410	0.2	S204500NH3C
BOD5	mg/L	< 2		090910 1500	2	5210B
COD	mg/L	40		091610	40	EPA410.4
Chloride as Cl	mg/L	110		091310	2	S184500C1B
Color units		20		091010 1317	5	S182120B
Nitrate as N	mg/L	< 0.5		091310	0.5	EPA353.2
Phenols as Phenol	mg/L	< 0.001		091310	0.001	EPA420.1
Sulfate as SO4	mg/L	38		091410	5	AS D516-02
Tot Dissolved Solids	mg/L	1100		091310	100	S182540C
Tot. Kjeldahl N.	mg/L	7.8		091510	0.2	S204500NORB
Tot Organic Carbon	mg/L	10		091510	1	S185310C
Chromium hex as Cr	mg/L	< 0.02		091010 1040	0.02	3500CrB
Cyanide as CN	mg/L	< 0.02		091310	0.02	EPA335.4
Bromide as Br	mg/L	1.2	*	091710	0.5	EPA300.0
Hardness as CaCO3		680		091710	2.6	EPA200.7

cc:

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REMARKS: * Analysis performed by Summit Labs, NYID#11777.

11/29/10 DIRECTOR

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ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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LAB NO.104189.02 10/05/10

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:09/07/10 RECEIVED:09/09/10
TIME COL'D:1550
MATRIX:Water SAMPLE: HP-603

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		091510	1	EPA8260
Chloromethane	ug/L	< 1		091510	1	EPA8260
Vinyl Chloride	ug/L	< 1		091510	1	EPA8260
Bromomethane	ug/L	< 1		091510	1	EPA8260
Chloroethane	ug/L	< 1		091510	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		091510	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		091510	1	EPA8260
Methylene Chloride	ug/L	< 1		091510	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		091510	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		091510	1	EPA8260
2,2-Dichloropropane	ug/L	< 1		091510	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		091510	1	EPA8260
Bromochloromethane	ug/L	< 1		091510	1	EPA8260
Chloroform	ug/L	< 1		091510	1	EPA8260
111 Trichloroethane	ug/L	< 1		091510	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		091510	1	EPA8260
1,1-Dichloropropene	ug/L	< 1		091510	1	EPA8260
Benzene	ug/L	< 1		091510	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		091510	1	EPA8260
Trichloroethene	ug/L	< 1		091510	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		091510	1	EPA8260
Dibromomethane	ug/L	< 1		091510	1	EPA8260
Bromodichloromethane	ug/L	< 1		091510	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		091510	1	EPA8260
Toluene	ug/L	< 1		091510	1	EPA8260

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t-1,3Dichloropropene	ug/L	< 1		091510	1	EPA8260
112 Trichloroethane	ug/L	< 1		091510	1	EPA8260
Tetrachloroethene	ug/L	< 1		091510	1	EPA8260
1,3-Dichloropropane	ug/L	< 1		091510	1	EPA8260
Chlorodibromomethane	ug/L	< 1		091510	1	EPA8260
1,2 Dibromoethane	ug/L	< 1		091510	1	EPA8260
Chlorobenzene	ug/L	2		091510	1	EPA8260
Ethyl Benzene	ug/L	< 1		091510	1	EPA8260
1112Tetrachloroethane	ug/L	< 1		091510	1	EPA8260
m + p Xylene	ug/L	< 2		091510	2	EPA8260
o Xylene	ug/L	< 1		091510	1	EPA8260
Styrene	ug/L	< 1		091510	1	EPA8260
Bromoform	ug/L	< 1		091510	1	EPA8260
Isopropylbenzene	ug/L	< 1		091510	1	EPA8260
Bromobenzene	ug/L	< 1		091510	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		091510	1	EPA8260
123-Trichloropropane	ug/L	< 1		091510	1	EPA8260
n-Propylbenzene	ug/L	< 1		091510	1	EPA8260
2-Chlorotoluene	ug/L	< 1		091510	1	EPA8260
135-Trimethylbenzene	ug/L	< 1		091510	1	EPA8260
4-Chlorotoluene	ug/L	< 1		091510	1	EPA8260
tert-Butylbenzene	ug/L	< 1		091510	1	EPA8260
124-Trimethylbenzene	ug/L	< 1		091510	1	EPA8260
sec-Butylbenzene	ug/L	< 1		091510	1	EPA8260
p-Isopropyltoluene	ug/L	< 1		091510	1	EPA8260

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1,3 Dichlorobenzene (v)	ug/L	< 1		091510	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		091510	1	EPA8260
n-Butylbenzene	ug/L	< 1		091510	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		091510	1	EPA8260
Dibromochloropropane	ug/L	< 1		091510	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		091510	1	EPA8260
Hexachlorobutadiene	ug/L	< 1		091510	1	EPA8260
Naphthalene(v)	ug/L	< 1		091510	1	EPA8260
123-Trichlorobenzene	ug/L	< 1		091510	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		091510	1	EPA8260
p-Ethyltoluene	ug/L	< 1		091510	1	EPA8260
Freon 113	ug/L	< 1		091510	1	EPA8260
1245 Tetramethylbenz	ug/L	< 1		091510	1	EPA8260
Acetone	ug/L	< 10		091510	10	EPA8260
Methyl Ethyl Ketone	ug/L	< 10		091510	10	EPA8260
Methylisobutylketone	ug/L	< 10		091510	10	EPA8260
Chlorodifluoromethane	ug/L	< 1		091510	1	EPA8260
p Diethylbenzene	ug/L	< 1		091510	1	EPA8260
Acrylonitrile	ug/L	< 5		091510	5	EPA8260
Carbon disulfide	ug/L	< 1		091510	1	EPA8260
2-Hexanone	ug/L	< 10		091510	10	EPA8260
Vinyl Acetate	ug/L	< 10		091510	10	EPA8260
t-1,4-Dichloro-2-butene	ug/L	< 1		091510	1	EPA8260

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Bis(2-chloroethyl)ether	ug/L	< 1		091310	1	EPA8270
1,3 Dichlorobenzene(sv)	ug/L	< 1		091310	1	EPA8270
1,4 Dichlorobenzene(sv)	ug/L	< 1		091310	1	EPA8270
Carbazole	ug/L	< 1		091310	1	EPA8270
1,2 Dichlorobenzene(sv)	ug/L	< 1		091310	1	EPA8270
Bis(2-chloroisopropyl)ether	ug/L	< 1		091310	1	EPA8270
N-Nitrosodi-n-propylamine	ug/L	< 1		091310	1	EPA8270
Hexachloroethane	ug/L	< 1		091310	1	EPA8270
Nitrobenzene	ug/L	< 1		091310	1	EPA8270
Isophorone	ug/L	< 1		091310	1	EPA8270
Bis(2-chloroethoxy)methane	ug/L	< 1		091310	1	EPA8270
124-Trichlorobenzene (sv)	ug/L	< 1		091310	1	EPA8270
Naphthalene(sv)	ug/L	< 1		091310	1	EPA8270
4-Chloroaniline	ug/L	< 1		091310	1	EPA8270
Hexachlorobutadiene	ug/L	< 1		091310	1	EPA8270
2-Methylnaphthalene	ug/L	< 1		091310	1	EPA8270
Hexachlorocyclopentadiene	ug/L	< 10		091310	10	EPA8270
2-Chloronaphthalene	ug/L	< 1		091310	1	EPA8270
2-Nitroaniline	ug/L	< 1		091310	1	EPA8270
Dimethyl Phthalate	ug/L	< 1		091310	1	EPA8270
Acenaphthylene	ug/L	< 1		091310	1	EPA8270
2,6-Dinitrotoluene	ug/L	< 1		091310	1	EPA8270
3-Nitroaniline	ug/L	< 1		091310	1	EPA8270
Acenaphthene	ug/L	1.7		091310	1	EPA8270
Dibenzofuran	ug/L	< 1		091310	1	EPA8270

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2,4-Dinitrotoluene	ug/L	< 1		091310	1	EPA8270
Diethyl Phthalate	ug/L	< 1		091310	1	EPA8270
4-Chlorophenyl phenyl ether	ug/L	< 1		091310	1	EPA8270
Fluorene	ug/L	< 1		091310	1	EPA8270
4-Nitroaniline	ug/L	< 1		091310	1	EPA8270
N-Nitrosodiphenylamine	ug/L	< 1		091310	1	EPA8270
4-Bromophenyl phenyl ether	ug/L	< 1		091310	1	EPA8270
Hexachlorobenzene	ug/L	< 1		091310	1	EPA8270
Phenanthrene	ug/L	< 1		091310	1	EPA8270
Anthracene	ug/L	< 1		091310	1	EPA8270
Di-n-Butyl Phthalate	ug/L	2.1		091310	1	EPA8270
Fluoranthene	ug/L	< 1		091310	1	EPA8270
Pyrene	ug/L	< 1		091310	1	EPA8270
BenzylButylPhthalate	ug/L	3.1		091310	1	EPA8270
3,3'-Dichlorobenzidine	ug/L	< 10		091310	10	EPA8270
Benzo(a)anthracene	ug/L	< 1		091310	1	EPA8270

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ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/L	< 1		091310	1	EPA8270
Bis(2-ethylhexyl)phthalate	ug/L	18 U	#	091310	1	EPA8270
Di-n-octyl Phthalate	ug/L	2		091310	1	EPA8270
Benzo(b)fluoranthene	ug/L	< 1		091310	1	EPA8270
Benzo(k)fluoranthene	ug/L	< 1		091310	1	EPA8270
Benzo(a)pyrene	ug/L	< 1		091310	1	EPA8270
Indeno(1,2,3-cd)pyrene	ug/L	< 1		091310	1	EPA8270
Dibenzo(a,h)anthracene	ug/L	< 1		091310	1	EPA8270
Benzo(ghi)perylene	ug/L	< 1		091310	1	EPA8270

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REMARKS: #Method blank contains 2.1 ug/L of Bis(2-ethylhexyl) phthalate.

RW 11/29/10 DIRECTOR

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ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/L	< 1		091310	1	EPA8270
2-Chlorophenol	ug/L	< 1		091310	1	EPA8270
2-Methylphenol (o-cresol)	ug/L	< 1		091310	1	EPA8270
4-Methylphenol (p-cresol)	ug/L	< 1		091310	1	EPA8270
2-Nitrophenol	ug/L	< 1		091310	1	EPA8270
2,4-Dimethylphenol	ug/L	< 1		091310	1	EPA8270
2,4-Dichlorophenol	ug/L	< 1		091310	1	EPA8270
4-Chloro-3-methylphenol	ug/L	< 1		091310	1	EPA8270
2,4,6-Trichlorophenol	ug/L	< 1		091310	1	EPA8270
2,4,5-Trichlorophenol	ug/L	< 1		091310	1	EPA8270
2,4-Dinitrophenol	ug/L	< 10		091310	10	EPA8270
4-Nitrophenol	ug/L	< 10		091310	10	EPA8270
2-Methyl-4,6-dinitrophenol	ug/L	< 10		091310	10	EPA8270
Pentachlorophenol (ms)	ug/L	< 10		091310	10	EPA8270

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Lindane	ug/L	< 0.05		091510	0.05	EPA608
Heptachlor	ug/L	< 0.05		091510	0.05	EPA608
Aldrin	ug/L	< 0.05		091510	0.05	EPA608
Heptachlor Epoxide	ug/L	< 0.05		091510	0.05	EPA608
p,p-DDE	ug/L	< 0.05		091510	0.05	EPA608
Dieldrin	ug/L	< 0.05		091510	0.05	EPA608
Endrin	ug/L	< 0.05		091510	0.05	EPA608
p,p-DDD	ug/L	< 0.05		091510	0.05	EPA608
p,p-DDT	ug/L	< 0.1		091510	0.1	EPA608
Chlordane	ug/L	< 0.2		091510	0.2	EPA608
Toxaphene	ug/L	< 1		091510	1	EPA608
Endrin Ketone	ug/L	< 0.1		091510	0.1	EPA608
a BHC	ug/L	< 0.05		091510	0.05	EPA608
b BHC	ug/L	< 0.05		091510	0.05	EPA608
d BHC	ug/L	< 0.05		091510	0.05	EPA608
Endosulfan 1	ug/L	< 0.1		091510	0.1	EPA608

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Endosulfan 2	ug/L	< 0.1		091510	0.1	EPA608
Endosulfan Sulfate	ug/L	< 0.3		091510	0.3	EPA608
Methoxychlor	ug/L	< 0.1		091510	0.1	EPA608
Endrin Aldehyde	ug/L	< 0.3		091510	0.3	EPA608
Aroclor 1016	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1221	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1232	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1242	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1248	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1254	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1260	ug/L	< 0.065		091510	0.065	EPA608

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Aluminum as Al	mg/L	< 0.05	091710	0.05	EPA200.7
Antimony as Sb	mg/L	< 0.025	091710	0.025	EPA200.7
Arsenic as As	mg/L	< 0.025	091710	0.025	EPA200.7
Barium as Ba	mg/L	0.044	091710	0.025	EPA200.7
Beryllium as Be	mg/L	< 0.005	091710	0.005	EPA200.7
Cadmium as Cd	mg/L	< 0.025	091710	0.025	EPA200.7
Calcium as Ca	mg/L	170	091710	1	EPA200.7
Chromium as Cr	mg/L	< 0.025	091710	0.025	EPA200.7
Cobalt as Co	mg/L	< 0.025	091710	0.025	EPA200.7
Copper as Cu	mg/L	< 0.05	091710	0.05	EPA200.7
Iron as Fe	mg/L	6.5	091710	0.05	EPA200.7
Lead as Pb	mg/L	< 0.025	091710	0.025	EPA200.7
Magnesium as Mg	mg/L	26	091710	0.025	EPA200.7
Manganese as Mn	mg/L	0.51	091710	0.05	EPA200.7
Mercury as Hg	mg/L	< 0.00025	091410	0.0002	EPA245.2
Nickel as Ni	mg/L	< 0.05	091710	0.05	EPA200.7
Potassium as K	mg/L	9.3	091710	5	EPA200.7
Selenium as Se	mg/L	< 0.05	091710	0.05	EPA200.7
Silver as Ag	mg/L	< 0.025	091710	0.025	EPA200.7
Sodium as Na	mg/L	61	091710	5	EPA200.7
Thallium as Tl	mg/L	< 0.025	091710	0.025	EPA200.7
Vanadium as V	mg/L	< 0.025	091710	0.025	EPA200.7
Zinc as Zn	mg/L	< 0.05	091710	0.05	EPA200.7
Boron as B	mg/L	0.23 u	091710	0.05	EPA200.7

cc:

LRL=Laboratory Reporting Limit

REMARKS:

NW
11/29/10 DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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

LAB NO.104189.02 10/05/10

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:09/07/10 RECEIVED:09/09/10
TIME COL'D:1550
MATRIX:Water SAMPLE: HP-603

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	TIME	LRL	ANALYTICAL METHOD
Alkalinity tot CaCo3	mg/L	280		091410		20	S182320B
Ammonia as N	mg/L	2.8		091410		0.2	S204500NH3C
BOD5	mg/L	< 2		090910	1500	2	5210B
COD	mg/L	< 40		091610		40	EPA410.4
Chloride as Cl	mg/L	86		091310		2	S184500C1B
Color units		10		091010	1319	5	S182120B
Nitrate as N	mg/L	< 0.5		091310		0.5	EPA353.2
Phenols as Phenol	mg/L	< 0.001		091310		0.001	EPA420.1
Sulfate as SO4	mg/L	360		091410		50	AS D516-02
Tot Dissolved Solids	mg/L	1000		091310		100	S182540C
Tot. Kjeldahl N.	mg/L	3.8		091510		0.2	S204500NORB
Tot Organic Carbon	mg/L	5.1		091510		0.5	S185310C
Chromium hex as Cr	mg/L	< 0.02		091010	1040	0.02	3500CrB
Cyanide as CN	mg/L	< 0.02		091310		0.02	EPA335.4
Bromide as Br	mg/L	0.8	*	091710		0.5	EPA300.0
Hardness as CaCO3		530		091710		2.6	EPA200.7

cc:

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REMARKS: * Analysis performed by Summit Labs, NYID#11777.

NW
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LAB NO.104189.03 10/05/10

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:09/08/10 RECEIVED:09/09/10
TIME COL'D:1220
MATRIX:Water SAMPLE: HP-103-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		091510	1	EPA8260
Chloromethane	ug/L	< 1		091510	1	EPA8260
Vinyl Chloride	ug/L	< 1		091510	1	EPA8260
Bromomethane	ug/L	< 1		091510	1	EPA8260
Chloroethane	ug/L	< 1		091510	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		091510	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		091510	1	EPA8260
Methylene Chloride	ug/L	< 1		091510	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		091510	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		091510	1	EPA8260
2,2-Dichloropropane	ug/L	< 1		091510	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		091510	1	EPA8260
Bromochloromethane	ug/L	< 1		091510	1	EPA8260
Chloroform	ug/L	< 1		091510	1	EPA8260
111 Trichloroethane	ug/L	< 1		091510	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		091510	1	EPA8260
1,1-Dichloropropene	ug/L	< 1		091510	1	EPA8260
Benzene	ug/L	< 1		091510	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		091510	1	EPA8260
Trichloroethene	ug/L	< 1		091510	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		091510	1	EPA8260
Dibromomethane	ug/L	< 1		091510	1	EPA8260
Bromodichloromethane	ug/L	< 1		091510	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		091510	1	EPA8260
Toluene	ug/L	< 1		091510	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

11/29/10 DIRECTOR

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LAB NO.104189.03 10/05/10

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:09/08/10 RECEIVED:09/09/10
TIME COL'D:1220
MATRIX:Water SAMPLE: HP-103-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/L	< 1		091510	1	EPA8260
112 Trichloroethane	ug/L	< 1		091510	1	EPA8260
Tetrachloroethene	ug/L	< 1		091510	1	EPA8260
1,3-Dichloropropane	ug/L	< 1		091510	1	EPA8260
Chlorodibromomethane	ug/L	< 1		091510	1	EPA8260
1,2 Dibromoethane	ug/L	< 1		091510	1	EPA8260
Chlorobenzene	ug/L	< 1		091510	1	EPA8260
Ethyl Benzene	ug/L	< 1		091510	1	EPA8260
1112Tetrachloroethane	ug/L	< 1		091510	1	EPA8260
m + p Xylene	ug/L	< 2		091510	2	EPA8260
o Xylene	ug/L	< 1		091510	1	EPA8260
Styrene	ug/L	< 1		091510	1	EPA8260
Bromoform	ug/L	< 1		091510	1	EPA8260
Isopropylbenzene	ug/L	< 1		091510	1	EPA8260
Bromobenzene	ug/L	< 1		091510	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		091510	1	EPA8260
123-Trichloropropane	ug/L	< 1		091510	1	EPA8260
n-Propylbenzene	ug/L	< 1		091510	1	EPA8260
2-Chlorotoluene	ug/L	< 1		091510	1	EPA8260
135-Trimethylbenzene	ug/L	< 1		091510	1	EPA8260
4-Chlorotoluene	ug/L	< 1		091510	1	EPA8260
tert-Butylbenzene	ug/L	< 1		091510	1	EPA8260
124-Trimethylbenzene	ug/L	< 1		091510	1	EPA8260
sec-Butylbenzene	ug/L	< 1		091510	1	EPA8260
p-Isopropyltoluene	ug/L	< 1		091510	1	EPA8260

cc:

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REMARKS:

11/29/10 DIRECTOR

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LAB NO.104189.03 10/05/10

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:09/08/10 RECEIVED:09/09/10
TIME COL'D:1220
MATRIX:Water SAMPLE: HP-103-D

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/L	< 1	091510	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1	091510	1	EPA8260
n-Butylbenzene	ug/L	< 1	091510	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1	091510	1	EPA8260
Dibromochloropropane	ug/L	< 1	091510	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1	091510	1	EPA8260
Hexachlorobutadiene	ug/L	< 1	091510	1	EPA8260
Naphthalene(v)	ug/L	< 1	091510	1	EPA8260
123-Trichlorobenzene	ug/L	< 1	091510	1	EPA8260
ter.ButylMethylEther	ug/L	< 1	091510	1	EPA8260
p-Ethyltoluene	ug/L	< 1	091510	1	EPA8260
Freon 113	ug/L	< 1	091510	1	EPA8260
1245 Tetramethylbenz	ug/L	< 1	091510	1	EPA8260
Acetone	ug/L	22	091510	10	EPA8260
Methyl Ethyl Ketone	ug/L	< 10	091510	10	EPA8260
Methylisobutylketone	ug/L	< 10	091510	10	EPA8260
Chlorodifluoromethane	ug/L	< 1	091510	1	EPA8260
p Diethylbenzene	ug/L	< 1	091510	1	EPA8260
Acrylonitrile	ug/L	< 5	091510	5	EPA8260
Carbon disulfide	ug/L	< 1	091510	1	EPA8260
2-Hexanone	ug/L	< 10	091510	10	EPA8260
Vinyl Acetate	ug/L	< 10	091510	10	EPA8260
t-1,4-Dichloro-2-butene	ug/L	< 1	091510	1	EPA8260

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REMARKS:

11/29/10 DIRECTOR

rn = 23707 NYSDOH ID # 10320 Page 3 of 11

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LAB NO.104189.03 10/05/10

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:09/08/10 RECEIVED:09/09/10
TIME COL'D:1220
MATRIX:Water SAMPLE: HP-103-D

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/L	< 1	091310	1	EPA8270
1,3 Dichlorobenzene(sv)	ug/L	< 1	091310	1	EPA8270
1,4 Dichlorobenzene(sv)	ug/L	< 1	091310	1	EPA8270
Carbazole	ug/L	< 1	091310	1	EPA8270
1,2 Dichlorobenzene(sv)	ug/L	< 1	091310	1	EPA8270
Bis(2-chloroisopropyl)ether	ug/L	< 1	091310	1	EPA8270
N-Nitrosodi-n-propylamine	ug/L	< 1	091310	1	EPA8270
Hexachloroethane	ug/L	< 1	091310	1	EPA8270
Nitrobenzene	ug/L	< 1	091310	1	EPA8270
Isophorone	ug/L	< 1	091310	1	EPA8270
Bis(2-chloroethoxy)methane	ug/L	< 1	091310	1	EPA8270
124-Trichlorobenzene (sv)	ug/L	< 1	091310	1	EPA8270
Naphthalene(sv)	ug/L	< 1	091310	1	EPA8270
4-Chloroaniline	ug/L	< 1	091310	1	EPA8270
Hexachlorobutadiene	ug/L	< 1	091310	1	EPA8270
2-Methylnaphthalene	ug/L	< 1	091310	1	EPA8270
Hexachlorocyclopentadiene	ug/L	< 10	091310	10	EPA8270
2-Chloronaphthalene	ug/L	< 1	091310	1	EPA8270
2-Nitroaniline	ug/L	< 1	091310	1	EPA8270
Dimethyl Phthalate	ug/L	< 1	091310	1	EPA8270
Acenaphthylene	ug/L	< 1	091310	1	EPA8270
2,6-Dinitrotoluene	ug/L	< 1	091310	1	EPA8270
3-Nitroaniline	ug/L	< 1	091310	1	EPA8270
Acenaphthene	ug/L	< 1	091310	1	EPA8270
Dibenzofuran	ug/L	< 1	091310	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

11/29/10 DIRECTOR

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LAB NO.104189.03 10/05/10

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:09/08/10 RECEIVED:09/09/10
TIME COL'D:1220
MATRIX:Water SAMPLE: HP-103-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/L	< 1		091310	1	EPA8270
Diethyl Phthalate	ug/L	< 1		091310	1	EPA8270
4-Chlorophenyl phenyl ether	ug/L	< 1		091310	1	EPA8270
Fluorene	ug/L	< 1		091310	1	EPA8270
4-Nitroaniline	ug/L	< 1		091310	1	EPA8270
N-Nitrosodiphenylamine	ug/L	< 1		091310	1	EPA8270
4-Bromophenyl phenyl ether	ug/L	< 1		091310	1	EPA8270
Hexachlorobenzene	ug/L	< 1		091310	1	EPA8270
Phenanthrene	ug/L	< 1		091310	1	EPA8270
Anthracene	ug/L	< 1		091310	1	EPA8270
Di-n-Butyl Phthalate	ug/L	1.9		091310	1	EPA8270
Fluoranthene	ug/L	< 1		091310	1	EPA8270
Pyrene	ug/L	< 1		091310	1	EPA8270
BenzylButylPhthalate	ug/L	2.1		091310	1	EPA8270
3,3'-Dichlorobenzidine	ug/L	< 10		091310	10	EPA8270
Benzo(a)anthracene	ug/L	< 1		091310	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

11/29/10 DIRECTOR

rn = 23709 NYSDOH ID # 10320 Page 5 of 11

3

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

LAB NO.104189.03 10/05/10

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:09/08/10 RECEIVED:09/09/10
TIME COL'D:1220
MATRIX:Water SAMPLE: HP-103-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/L	< 1		091310	1	EPA8270
Bis(2-ethylhexyl)phthalate	ug/L	19 u	#	091310	1	EPA8270
Di-n-octyl Phthalate	ug/L	1.3		091310	1	EPA8270
Benzo(b)fluoranthene	ug/L	< 1		091310	1	EPA8270
Benzo(k)fluoranthene	ug/L	< 1		091310	1	EPA8270
Benzo(a)pyrene	ug/L	< 1		091310	1	EPA8270
Indeno(1,2,3-cd)pyrene	ug/L	< 1		091310	1	EPA8270
Dibenzo(a,h)anthracene	ug/L	< 1		091310	1	EPA8270
Benzo(ghi)perylene	ug/L	< 1		091310	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS: #Method blank contains 2.1 ug/L of Bis(2-ethylhexyl) phthalate.

NW
11/29/10 DIRECTOR

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LAB NO.104189.03 10/05/10

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:09/08/10 RECEIVED:09/09/10
TIME COL'D:1220
MATRIX:Water SAMPLE: HP-103-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/L	< 1		091310	1	EPA8270
2-Chlorophenol	ug/L	< 1		091310	1	EPA8270
2-Methylphenol (o-cresol)	ug/L	< 1		091310	1	EPA8270
4-Methylphenol (p-cresol)	ug/L	< 1		091310	1	EPA8270
2-Nitrophenol	ug/L	< 1		091310	1	EPA8270
2,4-Dimethylphenol	ug/L	< 1		091310	1	EPA8270
2,4-Dichlorophenol	ug/L	< 1		091310	1	EPA8270
4-Chloro-3-methylphenol	ug/L	< 1		091310	1	EPA8270
2,4,6-Trichlorophenol	ug/L	< 1		091310	1	EPA8270
2,4,5-Trichlorophenol	ug/L	< 1		091310	1	EPA8270
2,4-Dinitrophenol	ug/L	< 10		091310	10	EPA8270
4-Nitrophenol	ug/L	< 10		091310	10	EPA8270
2-Methyl-4,6-dinitrophenol	ug/L	< 10		091310	10	EPA8270
Pentachlorophenol (ms)	ug/L	< 10		091310	10	EPA8270

cc:

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REMARKS:

11/29/10 DIRECTOR

rn = 23711 NYSDOH ID # 10320 Page 7 of 11

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LAB NO.104189.03 10/05/10

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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:09/08/10 RECEIVED:09/09/10
TIME COL'D:1220
MATRIX:Water SAMPLE: HP-103-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/L	< 0.05		091510	0.05	EPA608
Heptachlor	ug/L	< 0.05		091510	0.05	EPA608
Aldrin	ug/L	< 0.05		091510	0.05	EPA608
Heptachlor Epoxide	ug/L	< 0.05		091510	0.05	EPA608
p,p-DDE	ug/L	< 0.05		091510	0.05	EPA608
Dieldrin	ug/L	< 0.05		091510	0.05	EPA608
Endrin	ug/L	< 0.05		091510	0.05	EPA608
p,p-DDD	ug/L	< 0.05		091510	0.05	EPA608
p,p-DDT	ug/L	< 0.1		091510	0.1	EPA608
Chlordane	ug/L	< 0.2		091510	0.2	EPA608
Toxaphene	ug/L	< 1		091510	1	EPA608
Endrin Ketone	ug/L	< 0.1		091510	0.1	EPA608
a BHC	ug/L	< 0.05		091510	0.05	EPA608
b BHC	ug/L	< 0.05		091510	0.05	EPA608
d BHC	ug/L	< 0.05		091510	0.05	EPA608
Endosulfan 1	ug/L	< 0.1		091510	0.1	EPA608

cc:

LRL=Laboratory Reporting Limit

REMARKS:

11/29/10 DIRECTOR

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LAB NO.104189.03 10/05/10

Stratis Contracting Corp.
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:09/08/10 RECEIVED:09/09/10
TIME COL'D:1220
MATRIX:Water SAMPLE: HP-103-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Endosulfan 2	ug/L	< 0.1		091510	0.1	EPA608
Endosulfan Sulfate	ug/L	< 0.3		091510	0.3	EPA608
Methoxychlor	ug/L	< 0.1		091510	0.1	EPA608
Endrin Aldehyde	ug/L	< 0.3		091510	0.3	EPA608
Aroclor 1016	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1221	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1232	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1242	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1248	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1254	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1260	ug/L	< 0.065		091510	0.065	EPA608

cc:

LRL=Laboratory Reporting Limit

REMARKS:

11/29/10 DIRECTOR

rn = 23713 NYSDOH ID # 10320 Page 9 of 11

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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

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

LAB NO.104189.03 10/05/10

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:09/08/10 RECEIVED:09/09/10
TIME COL'D:1220
MATRIX:Water SAMPLE: HP-103-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/L	0.05	U	091710	0.05	EPA200.7
Antimony as Sb	mg/L	< 0.025		091710	0.025	EPA200.7
Arsenic as As	mg/L	< 0.025		091710	0.025	EPA200.7
Barium as Ba	mg/L	0.099		091710	0.025	EPA200.7
Beryllium as Be	mg/L	< 0.005		091710	0.005	EPA200.7
Cadmium as Cd	mg/L	< 0.025		091710	0.025	EPA200.7
Calcium as Ca	mg/L	130		091710	1	EPA200.7
Chromium as Cr	mg/L	< 0.025		091710	0.025	EPA200.7
Cobalt as Co	mg/L	< 0.025		091710	0.025	EPA200.7
Copper as Cu	mg/L	< 0.05		091710	0.05	EPA200.7
Iron as Fe	mg/L	0.7		091710	0.05	EPA200.7
Lead as Pb	mg/L	< 0.025		091710	0.025	EPA200.7
Magnesium as Mg	mg/L	210		091710	0.025	EPA200.7
Manganese as Mn	mg/L	0.23		091710	0.05	EPA200.7
Mercury as Hg	mg/L	< 0.00025		091410	0.0002	EPA245.2
Nickel as Ni	mg/L	< 0.05		091710	0.05	EPA200.7
Potassium as K	mg/L	180		091710	50	EPA200.7
Selenium as Se	mg/L	< 0.05		091710	0.05	EPA200.7
Silver as Ag	mg/L	< 0.025		091710	0.025	EPA200.7
Sodium as Na	mg/L	1800		091710	50	EPA200.7
Thallium as Tl	mg/L	< 0.025		091710	0.025	EPA200.7
Vanadium as V	mg/L	< 0.025		091710	0.025	EPA200.7
Zinc as Zn	mg/L	< 0.05		091710	0.05	EPA200.7
Boron as B	mg/L	2.6		091710	0.05	EPA200.7

cc:

LRL=Laboratory Reporting Limit

REMARKS:

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ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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LAB NO.104189.03 10/05/10

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:09/08/10 RECEIVED:09/09/10
TIME COL'D:1220
MATRIX:Water SAMPLE: HP-103-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Alkalinity tot CaCo3	mg/L	1100		091410	20	S182320B
Ammonia as N	mg/L	67		091410	0.2	S204500NH3C
BOD5	mg/L	7.5		090910 1500	2	5210B
COD	mg/L	300		091610	80	EPA410.4
Chloride as Cl	mg/L	3200		091310	400	S184500C1B
Color units		80		091010 1322	20	S182120B
Nitrate as N	mg/L	15		091310	2.5	EPA353.2
Phenols as Phenol	mg/L	< 0.001		091310	0.001	EPA420.1
Sulfate as SO4	mg/L	330		091410	50	AS D516-02
Tot Dissolved Solids	mg/L	6200		091310	100	S182540C
Tot. Kjeldahl N.	mg/L	71		091510	0.2	S204500NORB
Tot Organic Carbon	mg/L	41		091510	5	S185310C
Chromium hex as Cr	mg/L	< 0.02		091010 1040	0.02	3500CrB
Cyanide as CN	mg/L	< 0.02		091310	0.02	EPA335.4
Bromide as Br	mg/L	13	*	091710	0.5	EPA300.0
Hardness as CaCO3		1200		091710	2.6	EPA200.7

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REMARKS: * Analysis performed by Summit Labs, NYID#11777.

LW
11/29/10 DIRECTOR

rn = 23715 NYSDOH ID # 10320 Page 11 of 11

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LAB NO.104189.04 10/05/10

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:09/08/10 RECEIVED:09/09/10
TIME COL'D:1700
MATRIX:Water SAMPLE: HP-407-S

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		091510	1	EPA8260
Chloromethane	ug/L	< 1		091510	1	EPA8260
Vinyl Chloride	ug/L	< 1		091510	1	EPA8260
Bromomethane	ug/L	< 1		091510	1	EPA8260
Chloroethane	ug/L	< 1		091510	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		091510	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		091510	1	EPA8260
Methylene Chloride	ug/L	< 1		091510	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		091510	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		091510	1	EPA8260
2,2-Dichloropropane	ug/L	< 1		091510	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		091510	1	EPA8260
Bromochloromethane	ug/L	< 1		091510	1	EPA8260
Chloroform	ug/L	< 1		091510	1	EPA8260
111 Trichloroethane	ug/L	< 1		091510	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		091510	1	EPA8260
1,1-Dichloropropene	ug/L	< 1		091510	1	EPA8260
Benzene	ug/L	< 1		091510	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		091510	1	EPA8260
Trichloroethene	ug/L	< 1		091510	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		091510	1	EPA8260
Dibromomethane	ug/L	< 1		091510	1	EPA8260
Bromodichloromethane	ug/L	< 1		091510	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		091510	1	EPA8260
Toluene	ug/L	< 1		091510	1	EPA8260

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LRL=Laboratory Reporting Limit

REMARKS:

11/29/10 DIRECTOR

rn = 23716 NYSDOH ID # 10320 Page 1 of 11

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

LAB NO.104189.04 10/05/10

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:09/08/10 RECEIVED:09/09/10
TIME COL'D:1700
MATRIX:Water SAMPLE: HP-407-S

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/L	< 1		091510	1	EPA8260
112 Trichloroethane	ug/L	< 1		091510	1	EPA8260
Tetrachloroethene	ug/L	< 1		091510	1	EPA8260
1,3-Dichloropropane	ug/L	< 1		091510	1	EPA8260
Chlorodibromomethane	ug/L	< 1		091510	1	EPA8260
1,2 Dibromoethane	ug/L	< 1		091510	1	EPA8260
Chlorobenzene	ug/L	< 1		091510	1	EPA8260
Ethyl Benzene	ug/L	< 1		091510	1	EPA8260
1112Tetrachloroethane	ug/L	< 1		091510	1	EPA8260
m + p Xylene	ug/L	< 2		091510	2	EPA8260
o Xylene	ug/L	< 1		091510	1	EPA8260
Styrene	ug/L	< 1		091510	1	EPA8260
Bromoform	ug/L	< 1		091510	1	EPA8260
Isopropylbenzene	ug/L	< 1		091510	1	EPA8260
Bromobenzene	ug/L	< 1		091510	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		091510	1	EPA8260
123-Trichloropropane	ug/L	< 1		091510	1	EPA8260
n-Propylbenzene	ug/L	< 1		091510	1	EPA8260
2-Chlorotoluene	ug/L	< 1		091510	1	EPA8260
135-Trimethylbenzene	ug/L	< 1		091510	1	EPA8260
4-Chlorotoluene	ug/L	< 1		091510	1	EPA8260
tert-Butylbenzene	ug/L	< 1		091510	1	EPA8260
124-Trimethylbenzene	ug/L	< 1		091510	1	EPA8260
sec-Butylbenzene	ug/L	< 1		091510	1	EPA8260
p-Isopropyltoluene	ug/L	< 1		091510	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

NW
11/29/10 DIRECTOR

rn = 23717 NYSDOH ID # 10320 Page 2 of 11

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

LAB NO.104189.04 10/05/10

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:09/08/10 RECEIVED:09/09/10
TIME COL'D:1700
MATRIX:Water SAMPLE: HP-407-S

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	TIME LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/L	< 1		091510	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		091510	1	EPA8260
n-Butylbenzene	ug/L	< 1		091510	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		091510	1	EPA8260
Dibromochloropropane	ug/L	< 1		091510	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		091510	1	EPA8260
Hexachlorobutadiene	ug/L	< 1		091510	1	EPA8260
Naphthalene(v)	ug/L	< 1		091510	1	EPA8260
123-Trichlorobenzene	ug/L	< 1		091510	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		091510	1	EPA8260
p-Ethyltoluene	ug/L	< 1		091510	1	EPA8260
Freon 113	ug/L	< 1		091510	1	EPA8260
1245 Tetramethylbenz	ug/L	< 1		091510	1	EPA8260
Acetone	ug/L	< 10		091510	10	EPA8260
Methyl Ethyl Ketone	ug/L	< 10		091510	10	EPA8260
Methylisobutylketone	ug/L	< 10		091510	10	EPA8260
Chlorodifluoromethane	ug/L	< 1		091510	1	EPA8260
p Diethylbenzene	ug/L	< 1		091510	1	EPA8260
Acrylonitrile	ug/L	< 5		091510	5	EPA8260
Carbon disulfide	ug/L	< 1		091510	1	EPA8260
2-Hexanone	ug/L	< 10		091510	10	EPA8260
Vinyl Acetate	ug/L	< 10		091510	10	EPA8260
t-1,4-Dichloro-2-butene	ug/L	< 1		091510	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

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11/29/10 DIRECTOR

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SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:09/08/10 RECEIVED:09/09/10
TIME COL'D:1700
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		091310	1	EPA8270
1,3 Dichlorobenzene(sv)	ug/L	< 1		091310	1	EPA8270
1,4 Dichlorobenzene(sv)	ug/L	< 1		091310	1	EPA8270
Carbazole	ug/L	< 1		091310	1	EPA8270
1,2 Dichlorobenzene(sv)	ug/L	< 1		091310	1	EPA8270
Bis(2-chloroisopropyl)ether	ug/L	< 1		091310	1	EPA8270
N-Nitrosodi-n-propylamine	ug/L	< 1		091310	1	EPA8270
Hexachloroethane	ug/L	< 1		091310	1	EPA8270
Nitrobenzene	ug/L	< 1		091310	1	EPA8270
Isophorone	ug/L	< 1		091310	1	EPA8270
Bis(2-chloroethoxy)methane	ug/L	< 1		091310	1	EPA8270
124-Trichlorobenzene (sv)	ug/L	< 1		091310	1	EPA8270
Naphthalene(sv)	ug/L	< 1		091310	1	EPA8270
4-Chloroaniline	ug/L	< 1		091310	1	EPA8270
Hexachlorobutadiene	ug/L	< 1		091310	1	EPA8270
2-Methylnaphthalene	ug/L	< 1		091310	1	EPA8270
Hexachlorocyclopentadiene	ug/L	< 10		091310	10	EPA8270
2-Chloronaphthalene	ug/L	< 1		091310	1	EPA8270
2-Nitroaniline	ug/L	< 1		091310	1	EPA8270
Dimethyl Phthalate	ug/L	< 1		091310	1	EPA8270
Acenaphthylene	ug/L	< 1		091310	1	EPA8270
2,6-Dinitrotoluene	ug/L	< 1		091310	1	EPA8270
3-Nitroaniline	ug/L	< 1		091310	1	EPA8270
Acenaphthene	ug/L	< 1		091310	1	EPA8270
Dibenzofuran	ug/L	< 1		091310	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

11/29/10 DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTIN(*

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SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:09/08/10 RECEIVED:09/09/10
TIME COL'D:1700
MATRIX:Water SAMPLE: HP-407-S

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	TIME LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/L	< 1		091310	1	EPA8270
Diethyl Phthalate	ug/L	< 1		091310	1	EPA8270
4-Chlorophenyl phenyl ether	ug/L	< 1		091310	1	EPA8270
Fluorene	ug/L	< 1		091310	1	EPA8270
4-Nitroaniline	ug/L	< 1		091310	1	EPA8270
N-Nitrosodiphenylamine	ug/L	< 1		091310	1	EPA8270
4-Bromophenyl phenyl ether	ug/L	< 1		091310	1	EPA8270
Hexachlorobenzene	ug/L	< 1		091310	1	EPA8270
Phenanthrene	ug/L	< 1		091310	1	EPA8270
Anthracene	ug/L	< 1		091310	1	EPA8270
Di-n-Butyl Phthalate	ug/L	< 1		091310	1	EPA8270
Fluoranthene	ug/L	< 1		091310	1	EPA8270
Pyrene	ug/L	< 1		091310	1	EPA8270
BenzylButylPhthalate	ug/L	< 1		091310	1	EPA8270
3,3'-Dichlorobenzidine	ug/L	< 10		091310	10	EPA8270
Benzo(a)anthracene	ug/L	< 1		091310	1	EPA8270

cc:

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REMARKS:

AW 11/29/10

DIRECTOR

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TIME COL'D:1700
MATRIX:Water SAMPLE: HP-407-S

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/L	< 1		091310	1	EPA8270
Bis(2-ethylhexyl)phthalate	ug/L	6.8 u	#	091310	1	EPA8270
Di-n-octyl Phthalate	ug/L	< 1		091310	1	EPA8270
Benzo(b)fluoranthene	ug/L	< 1		091310	1	EPA8270
Benzo(k)fluoranthene	ug/L	< 1		091310	1	EPA8270
Benzo(a)pyrene	ug/L	< 1		091310	1	EPA8270
Indeno(1,2,3-cd)pyrene	ug/L	< 1		091310	1	EPA8270
Dibenzo(a,h)anthracene	ug/L	< 1		091310	1	EPA8270
Benzo(ghi)perylene	ug/L	< 1		091310	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS: #Method blank contains 2.1 ug/L of Bis(2-ethylhexyl) phthalate.

NW 11/29/10 DIRECTOR

rn = 23721 NYSDOH ID # 10320 Page 6 of 11

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TIME COL'D:1700
MATRIX:Water SAMPLE: HP-407-S

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/L	< 1		091310	1	EPA8270
2-Chlorophenol	ug/L	< 1		091310	1	EPA8270
2-Methylphenol (o-cresol)	ug/L	< 1		091310	1	EPA8270
4-Methylphenol (p-cresol)	ug/L	< 1		091310	1	EPA8270
2-Nitrophenol	ug/L	< 1		091310	1	EPA8270
2,4-Dimethylphenol	ug/L	< 1		091310	1	EPA8270
2,4-Dichlorophenol	ug/L	< 1		091310	1	EPA8270
4-Chloro-3-methylphenol	ug/L	< 1		091310	1	EPA8270
2,4,6-Trichlorophenol	ug/L	< 1		091310	1	EPA8270
2,4,5-Trichlorophenol	ug/L	< 1		091310	1	EPA8270
2,4-Dinitrophenol	ug/L	< 10		091310	10	EPA8270
4-Nitrophenol	ug/L	< 10		091310	10	EPA8270
2-Methyl-4,6-dinitrophenol	ug/L	< 10		091310	10	EPA8270
Pentachlorophenol (ms)	ug/L	< 10		091310	10	EPA8270

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TIME COL'D:1700
MATRIX:Water SAMPLE: HP-407-S

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	TIME LRL	ANALYTICAL METHOD
Lindane	ug/L	< 0.05		091510	0.05	EPA608
Heptachlor	ug/L	< 0.05		091510	0.05	EPA608
Aldrin	ug/L	< 0.05		091510	0.05	EPA608
Heptachlor Epoxide	ug/L	< 0.05		091510	0.05	EPA608
p,p-DDE	ug/L	< 0.05		091510	0.05	EPA608
Dieldrin	ug/L	< 0.05		091510	0.05	EPA608
Endrin	ug/L	< 0.05		091510	0.05	EPA608
p,p-DDD	ug/L	< 0.05		091510	0.05	EPA608
p,p-DDT	ug/L	< 0.1		091510	0.1	EPA608
Chlordane	ug/L	< 0.2		091510	0.2	EPA608
Toxaphene	ug/L	< 1		091510	1	EPA608
Endrin Ketone	ug/L	< 0.1		091510	0.1	EPA608
a BHC	ug/L	< 0.05		091510	0.05	EPA608
b BHC	ug/L	< 0.05		091510	0.05	EPA608
d BHC	ug/L	< 0.05		091510	0.05	EPA608
Endosulfan 1	ug/L	< 0.1		091510	0.1	EPA608

cc:

LRL=Laboratory Reporting Limit

REMARKS:

11/29/10 DIRECTOR

rn = 23723 NYSDOH ID # 10320 Page 8 of 11

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

LAB NO.104189.04 10/05/10

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:09/08/10 RECEIVED:09/09/10
TIME COL'D:1700
MATRIX:Water SAMPLE: HP-407-S

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	TIME LRL	ANALYTICAL METHOD
Endosulfan 2	ug/L	< 0.1		091510	0.1	EPA608
Endosulfan Sulfate	ug/L	< 0.3		091510	0.3	EPA608
Methoxychlor	ug/L	< 0.1		091510	0.1	EPA608
Endrin Aldehyde	ug/L	< 0.3		091510	0.3	EPA608
Aroclor 1016	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1221	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1232	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1242	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1248	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1254	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1260	ug/L	< 0.065		091510	0.065	EPA608

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REMARKS:

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11/29/10 DIRECTOR

rn = 23724 NYSDOH ID # 10320 Page 9 of 11

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LAB NO.104189.04 10/05/10

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:09/08/10 RECEIVED:09/09/10
TIME COL'D:1700
MATRIX:Water SAMPLE: HP-407-S

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/L	< 0.05	091710	0.05	EPA200.7
Antimony as Sb	mg/L	< 0.025	091710	0.025	EPA200.7
Arsenic as As	mg/L	< 0.025	091710	0.025	EPA200.7
Barium as Ba	mg/L	0.15	091710	0.025	EPA200.7
Beryllium as Be	mg/L	< 0.005	091710	0.005	EPA200.7
Cadmium as Cd	mg/L	< 0.025	091710	0.025	EPA200.7
Calcium as Ca	mg/L	220	091710	1	EPA200.7
Chromium as Cr	mg/L	< 0.025	091710	0.025	EPA200.7
Cobalt as Co	mg/L	< 0.025	091710	0.025	EPA200.7
Copper as Cu	mg/L	< 0.05	091710	0.05	EPA200.7
Iron as Fe	mg/L	14	091710	0.05	EPA200.7
Lead as Pb	mg/L	< 0.025	091710	0.025	EPA200.7
Magnesium as Mg	mg/L	490	091710	0.025	EPA200.7
Manganese as Mn	mg/L	0.58	091710	0.05	EPA200.7
Mercury as Hg	mg/L	< 0.00025	091410	0.0002	EPA245.2
Nickel as Ni	mg/L	< 0.05	091710	0.05	EPA200.7
Potassium as K	mg/L	220	091710	50	EPA200.7
Selenium as Se	mg/L	< 0.05	091710	0.05	EPA200.7
Silver as Ag	mg/L	< 0.025	091710	0.025	EPA200.7
Sodium as Na	mg/L	3800	091710	5	EPA200.7
Thallium as Tl	mg/L	< 0.025	091710	0.025	EPA200.7
Vanadium as V	mg/L	< 0.025	091710	0.025	EPA200.7
Zinc as Zn	mg/L	< 0.05	091710	0.05	EPA200.7
Boron as B	mg/L	1.9	091710	0.05	EPA200.7

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LRL=Laboratory Reporting Limit

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LAB NO.104189.04 10/05/10

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:09/08/10 RECEIVED:09/09/10
TIME COL'D:1700
MATRIX:Water SAMPLE: HP-407-S

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Alkalinity tot CaCo3	mg/L	560		091410	20	S182320B
Ammonia as N	mg/L	12		091410	0.2	S204500NH3C
BOD5	mg/L	2.6		090910 1500	2	5210B
COD	mg/L	600		091610	200	EPA410.4
Chloride as Cl	mg/L	8000		091310	400	S184500C1B
Color units		25		091010 1330	5	S182120B
Nitrate as N	mg/L	< 0.5		091310	0.5	EPA353.2
Phenols as Phenol	mg/L	< 0.001		091310	0.001	EPA420.1
Sulfate as SO4	mg/L	800		091410	250	AS D516-02
Tot Dissolved Solids	mg/L	15000		091310	100	S182540C
Tot. Kjeldahl N.	mg/L	13		091510	0.2	S204500NORB
Tot Organic Carbon	mg/L	1.7		091510	0.5	S185310C
Chromium hex as Cr	mg/L	< 0.02		091010 1040	0.02	3500CrB
Cyanide as CN	mg/L	< 0.02		091310	0.02	EPA335.4
Bromide as Br	mg/L	22	*	091710	0.5	EPA300.0
Hardness as CaCO3		2600		091710	2.6	EPA200.7

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REMARKS: * Analysis performed by Summit Labs, NYID#11777.

11/29/10 DIRECTOR

rn = 23726 NYSDOH ID # 10320 Page 11 of 11

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LAB NO.104189.05 10/05/10

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:09/09/10 RECEIVED:09/09/10
TIME COL'D:1410
MATRIX:Water SAMPLE: HP-407-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	TIME LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		091510	1	EPA8260
Chloromethane	ug/L	< 1		091510	1	EPA8260
Vinyl Chloride	ug/L	< 1		091510	1	EPA8260
Bromomethane	ug/L	< 1		091510	1	EPA8260
Chloroethane	ug/L	< 1		091510	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		091510	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		091510	1	EPA8260
Methylene Chloride	ug/L	< 1		091510	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		091510	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		091510	1	EPA8260
2,2-Dichloropropane	ug/L	< 1		091510	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		091510	1	EPA8260
Bromochloromethane	ug/L	< 1		091510	1	EPA8260
Chloroform	ug/L	< 1		091510	1	EPA8260
111 Trichloroethane	ug/L	< 1		091510	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		091510	1	EPA8260
1,1-Dichloropropene	ug/L	< 1		091510	1	EPA8260
Benzene	ug/L	< 1		091510	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		091510	1	EPA8260
Trichloroethene	ug/L	< 1		091510	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		091510	1	EPA8260
Dibromomethane	ug/L	< 1		091510	1	EPA8260
Bromodichloromethane	ug/L	< 1		091510	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		091510	1	EPA8260
Toluene	ug/L	< 1		091510	1	EPA8260

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REMARKS:

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rn = 23727 NYSDOH ID # 10320 Page 1 of 11

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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LAB NO.104189.05 10/05/10

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:09/09/10 RECEIVED:09/09/10
TIME COL'D:1410
MATRIX:Water SAMPLE: HP-407-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/L	< 1		091510	1	EPA8260
112 Trichloroethane	ug/L	< 1		091510	1	EPA8260
Tetrachloroethene	ug/L	< 1		091510	1	EPA8260
1,3-Dichloropropane	ug/L	< 1		091510	1	EPA8260
Chlorodibromomethane	ug/L	< 1		091510	1	EPA8260
1,2 Dibromoethane	ug/L	< 1		091510	1	EPA8260
Chlorobenzene	ug/L	< 1		091510	1	EPA8260
Ethyl Benzene	ug/L	< 1		091510	1	EPA8260
1112Tetrachloroethane	ug/L	< 1		091510	1	EPA8260
m + p Xylene	ug/L	< 2		091510	2	EPA8260
o Xylene	ug/L	< 1		091510	1	EPA8260
Styrene	ug/L	< 1		091510	1	EPA8260
Bromoform	ug/L	< 1		091510	1	EPA8260
Isopropylbenzene	ug/L	< 1		091510	1	EPA8260
Bromobenzene	ug/L	< 1		091510	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		091510	1	EPA8260
123-Trichloropropane	ug/L	< 1		091510	1	EPA8260
n-Propylbenzene	ug/L	< 1		091510	1	EPA8260
2-Chlorotoluene	ug/L	< 1		091510	1	EPA8260
135-Trimethylbenzene	ug/L	< 1		091510	1	EPA8260
4-Chlorotoluene	ug/L	< 1		091510	1	EPA8260
tert-Butylbenzene	ug/L	< 1		091510	1	EPA8260
124-Trimethylbenzene	ug/L	< 1		091510	1	EPA8260
sec-Butylbenzene	ug/L	< 1		091510	1	EPA8260
p-Isopropyltoluene	ug/L	< 1		091510	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

MW
11/29/10 DIRECTOR

rn = 23728 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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

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

LAB NO.104189.05 10/05/10

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:09/09/10 RECEIVED:09/09/10
TIME COL'D:1410
MATRIX:Water SAMPLE: HP-407-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/L	< 1		091510	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		091510	1	EPA8260
n-Butylbenzene	ug/L	< 1		091510	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		091510	1	EPA8260
Dibromochloropropane	ug/L	< 1		091510	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		091510	1	EPA8260
Hexachlorobutadiene	ug/L	< 1		091510	1	EPA8260
Naphthalene(v)	ug/L	< 1		091510	1	EPA8260
123-Trichlorobenzene	ug/L	< 1		091510	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		091510	1	EPA8260
p-Ethyltoluene	ug/L	< 1		091510	1	EPA8260
Freon 113	ug/L	< 1		091510	1	EPA8260
1245 Tetramethylbenz	ug/L	< 1		091510	1	EPA8260
Acetone	ug/L	< 10		091510	10	EPA8260
Methyl Ethyl Ketone	ug/L	< 10		091510	10	EPA8260
Methylisobutylketone	ug/L	< 10		091510	10	EPA8260
Chlorodifluoromethane	ug/L	< 1		091510	1	EPA8260
p Diethylbenzene	ug/L	< 1		091510	1	EPA8260
Acrylonitrile	ug/L	< 5		091510	5	EPA8260
Carbon disulfide	ug/L	< 1		091510	1	EPA8260
2-Hexanone	ug/L	< 10		091510	10	EPA8260
Vinyl Acetate	ug/L	< 10		091510	10	EPA8260
t-1,4-Dichloro-2-butene	ug/L	< 1		091510	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

NW
11/29/10

DIRECTOR

rn = 23729 NYSDOH ID # 10320 Page 3 of 11

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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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:09/09/10 RECEIVED:09/09/10
TIME COL'D:1410
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		091410	1	EPA8270
1,3 Dichlorobenzene(sv)	ug/L	< 1		091410	1	EPA8270
1,4 Dichlorobenzene(sv)	ug/L	< 1		091410	1	EPA8270
Carbazole	ug/L	< 1		091410	1	EPA8270
1,2 Dichlorobenzene(sv)	ug/L	< 1		091410	1	EPA8270
Bis(2-chloroisopropyl)ether	ug/L	< 1		091410	1	EPA8270
N-Nitrosodi-n-propylamine	ug/L	< 1		091410	1	EPA8270
Hexachloroethane	ug/L	< 1		091410	1	EPA8270
Nitrobenzene	ug/L	< 1		091410	1	EPA8270
Isophorone	ug/L	< 1		091410	1	EPA8270
Bis(2-chloroethoxy)methane	ug/L	< 1		091410	1	EPA8270
124-Trichlorobenzene (sv)	ug/L	< 1		091410	1	EPA8270
Naphthalene(sv)	ug/L	< 1		091410	1	EPA8270
4-Chloroaniline	ug/L	< 1		091410	1	EPA8270
Hexachlorobutadiene	ug/L	< 1		091410	1	EPA8270
2-Methylnaphthalene	ug/L	< 1		091410	1	EPA8270
Hexachlorocyclopentadiene	ug/L	< 10		091410	10	EPA8270
2-Chloronaphthalene	ug/L	< 1		091410	1	EPA8270
2-Nitroaniline	ug/L	< 1		091410	1	EPA8270
Dimethyl Phthalate	ug/L	< 1		091410	1	EPA8270
Acenaphthylene	ug/L	< 1		091410	1	EPA8270
2,6-Dinitrotoluene	ug/L	< 1		091410	1	EPA8270
3-Nitroaniline	ug/L	< 1		091410	1	EPA8270
Acenaphthene	ug/L	< 1		091410	1	EPA8270
Dibenzofuran	ug/L	< 1		091410	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:09/09/10 RECEIVED:09/09/10
TIME COL'D:1410
MATRIX:Water SAMPLE: HP-407-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/L	< 1		091410	1	EPA8270
Diethyl Phthalate	ug/L	< 1		091410	1	EPA8270
4-Chlorophenyl phenyl ether	ug/L	< 1		091410	1	EPA8270
Fluorene	ug/L	< 1		091410	1	EPA8270
4-Nitroaniline	ug/L	< 1		091410	1	EPA8270
N-Nitrosodiphenylamine	ug/L	< 1		091410	1	EPA8270
4-Bromophenyl phenyl ether	ug/L	< 1		091410	1	EPA8270
Hexachlorobenzene	ug/L	< 1		091410	1	EPA8270
Phenanthrene	ug/L	< 1		091410	1	EPA8270
Anthracene	ug/L	< 1		091410	1	EPA8270
Di-n-Butyl Phthalate	ug/L	< 1		091410	1	EPA8270
Fluoranthene	ug/L	< 1		091410	1	EPA8270
Pyrene	ug/L	< 1		091410	1	EPA8270
BenzylButylPhthalate	ug/L	< 1		091410	1	EPA8270
3,3'-Dichlorobenzidine	ug/L	< 10		091410	10	EPA8270
Benzo(a)anthracene	ug/L	< 1		091410	1	EPA8270

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SOURCE OF SAMPLE:
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TIME COL'D:1410
MATRIX:Water SAMPLE: HP-407-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/L	< 1		091410	1	EPA8270
Bis(2-ethylhexyl)phthalate	ug/L	13 U	#	091410	1	EPA8270
Di-n-octyl Phthalate	ug/L	< 1		091410	1	EPA8270
Benzo(b)fluoranthene	ug/L	< 1		091410	1	EPA8270
Benzo(k)fluoranthene	ug/L	< 1		091410	1	EPA8270
Benzo(a)pyrene	ug/L	< 1		091410	1	EPA8270
Indeno(1,2,3-cd)pyrene	ug/L	< 1		091410	1	EPA8270
Dibenzo(a,h)anthracene	ug/L	< 1		091410	1	EPA8270
Benzo(ghi)perylene	ug/L	< 1		091410	1	EPA8270

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LRL=Laboratory Reporting Limit

REMARKS: #Method blank contains 2.1 ug/L of Bis(2-ethylhexyl) phthalate.

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TIME COL'D:1410
MATRIX:Water SAMPLE: HP-407-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/L	< 1		091410	1	EPA8270
2-Chlorophenol	ug/L	< 1		091410	1	EPA8270
2-Methylphenol (o-cresol)	ug/L	< 1		091410	1	EPA8270
4-Methylphenol (p-cresol)	ug/L	< 1		091410	1	EPA8270
2-Nitrophenol	ug/L	< 1		091410	1	EPA8270
2,4-Dimethylphenol	ug/L	< 1		091410	1	EPA8270
2,4-Dichlorophenol	ug/L	< 1		091410	1	EPA8270
4-Chloro-3-methylphenol	ug/L	< 1		091410	1	EPA8270
2,4,6-Trichlorophenol	ug/L	< 1		091410	1	EPA8270
2,4,5-Trichlorophenol	ug/L	< 1		091410	1	EPA8270
2,4-Dinitrophenol	ug/L	< 10		091410	10	EPA8270
4-Nitrophenol	ug/L	< 10		091410	10	EPA8270
2-Methyl-4,6-dinitrophenol	ug/L	< 10		091410	10	EPA8270
Pentachlorophenol (ms)	ug/L	< 10		091410	10	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

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11/29/10 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.104189.05 10/05/10

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:09/09/10 RECEIVED:09/09/10
TIME COL'D:1410
MATRIX:Water SAMPLE: HP-407-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/L	< 0.05		091510	0.05	EPA608
Heptachlor	ug/L	< 0.05		091510	0.05	EPA608
Aldrin	ug/L	< 0.05		091510	0.05	EPA608
Heptachlor Epoxide	ug/L	< 0.05		091510	0.05	EPA608
p,p-DDE	ug/L	< 0.05		091510	0.05	EPA608
Dieldrin	ug/L	< 0.05		091510	0.05	EPA608
Endrin	ug/L	< 0.05		091510	0.05	EPA608
p,p-DDD	ug/L	< 0.05		091510	0.05	EPA608
p,p-DDT	ug/L	< 0.1		091510	0.1	EPA608
Chlordane	ug/L	< 0.2		091510	0.2	EPA608
Toxaphene	ug/L	< 1		091510	1	EPA608
Endrin Ketone	ug/L	< 0.1		091510	0.1	EPA608
a BHC	ug/L	< 0.05		091510	0.05	EPA608
b BHC	ug/L	< 0.05		091510	0.05	EPA608
d BHC	ug/L	< 0.05		091510	0.05	EPA608
Endosulfan 1	ug/L	< 0.1		091510	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		091510	0.1	EPA608
Endosulfan Sulfate	ug/L	< 0.3		091510	0.3	EPA608
Methoxychlor	ug/L	< 0.1		091510	0.1	EPA608
Endrin Aldehyde	ug/L	< 0.3		091510	0.3	EPA608
Aroclor 1016	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1221	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1232	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1242	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1248	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1254	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1260	ug/L	< 0.065		091510	0.065	EPA608

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Aluminum as Al	mg/L	< 0.05		091710	0.05	EPA200.7
Antimony as Sb	mg/L	< 0.025		091710	0.025	EPA200.7
Arsenic as As	mg/L	< 0.025		091710	0.025	EPA200.7
Barium as Ba	mg/L	0.054		091710	0.025	EPA200.7
Beryllium as Be	mg/L	< 0.005		091710	0.005	EPA200.7
Cadmium as Cd	mg/L	< 0.025		091710	0.025	EPA200.7
Calcium as Ca	mg/L	260		091710	1	EPA200.7
Chromium as Cr	mg/L	< 0.025		091710	0.025	EPA200.7
Cobalt as Co	mg/L	< 0.025		091710	0.025	EPA200.7
Copper as Cu	mg/L	< 0.05		091710	0.05	EPA200.7
Iron as Fe	mg/L	25		091710	0.05	EPA200.7
Lead as Pb	mg/L	< 0.025		091710	0.025	EPA200.7
Magnesium as Mg	mg/L	600		091710	0.025	EPA200.7
Manganese as Mn	mg/L	< 0.05		091710	0.05	EPA200.7
Mercury as Hg	mg/L	< 0.00025		091410	0.0002	EPA245.2
Nickel as Ni	mg/L	< 0.05		091710	0.05	EPA200.7
Potassium as K	mg/L	270		091710	50	EPA200.7
Selenium as Se	mg/L	< 0.05		091710	0.05	EPA200.7
Silver as Ag	mg/L	< 0.025		091710	0.025	EPA200.7
Sodium as Na	mg/L	4900		091710	50	EPA200.7
Thallium as Tl	mg/L	< 0.025		091710	0.025	EPA200.7
Vanadium as V	mg/L	< 0.025		091710	0.025	EPA200.7
Zinc as Zn	mg/L	0.05	U	091710	0.05	EPA200.7
Boron as B	mg/L	2.2		091710	0.05	EPA200.7

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TIME COL'D:1410
MATRIX:Water SAMPLE: HP-407-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Alkalinity tot CaCo3	mg/L	260		091410	20	S182320B
Ammonia as N	mg/L	1.6		091410	0.2	S204500NH3C
BOD5	mg/L	3		090910 1500	2	5210B
COD	mg/L	650		091610	200	EPA410.4
Chloride as Cl	mg/L	10000		091310	100	S184500C1B
Color units		15		091010 1335	5	S182120B
Nitrate as N	mg/L	< 0.5		091310	0.5	EPA353.2
Phenols as Phenol	mg/L	< 0.001		091310	0.001	EPA420.1
Sulfate as SO4	mg/L	1200		091410	250	AS D516-02
Tot Dissolved Solids	mg/L	18000		091310	100	S182540C
Tot. Kjeldahl N.	mg/L	2.4		091510	0.2	S204500NORB
Tot Organic Carbon	mg/L	< 0.5		091510	0.5	S185310C
Chromium hex as Cr	mg/L	< 0.02		091010 1040	0.02	3500CrB
Cyanide as CN	mg/L	< 0.02		091310	0.02	EPA335.4
Bromide as Br	mg/L	19	*	091710	0.5	EPA300.0
Hardness as CaCO3		3100		091710	2.6	EPA200.7

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REMARKS: * Analysis performed by Summit Labs, NYID#11777.

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rn = 23737 NYSDOH ID # 10320 Page 11 of 11

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SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
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MATRIX:Water SAMPLE: Blind Duplicate

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		091510	1	EPA8260
Chloromethane	ug/L	< 1		091510	1	EPA8260
Vinyl Chloride	ug/L	< 1		091510	1	EPA8260
Bromomethane	ug/L	< 1		091510	1	EPA8260
Chloroethane	ug/L	< 1		091510	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		091510	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		091510	1	EPA8260
Methylene Chloride	ug/L	< 1		091510	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		091510	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		091510	1	EPA8260
2,2-Dichloropropane	ug/L	< 1		091510	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		091510	1	EPA8260
Bromochloromethane	ug/L	< 1		091510	1	EPA8260
Chloroform	ug/L	< 1		091510	1	EPA8260
111 Trichloroethane	ug/L	< 1		091510	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		091510	1	EPA8260
1,1-Dichloropropene	ug/L	< 1		091510	1	EPA8260
Benzene	ug/L	< 1		091510	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		091510	1	EPA8260
Trichloroethene	ug/L	< 1		091510	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		091510	1	EPA8260
Dibromomethane	ug/L	< 1		091510	1	EPA8260
Bromodichloromethane	ug/L	< 1		091510	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		091510	1	EPA8260
Toluene	ug/L	< 1		091510	1	EPA8260

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REMARKS:

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rn = 23738 NYSDOH ID # 10320 Page 1 of 11

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ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/L	< 1		091510	1	EPA8260
112 Trichloroethane	ug/L	< 1		091510	1	EPA8260
Tetrachloroethene	ug/L	< 1		091510	1	EPA8260
1,3-Dichloropropane	ug/L	< 1		091510	1	EPA8260
Chlorodibromomethane	ug/L	< 1		091510	1	EPA8260
1,2 Dibromoethane	ug/L	< 1		091510	1	EPA8260
Chlorobenzene	ug/L	< 1		091510	1	EPA8260
Ethyl Benzene	ug/L	< 1		091510	1	EPA8260
1112Tetrachloroethane	ug/L	< 1		091510	1	EPA8260
m + p Xylene	ug/L	< 2		091510	2	EPA8260
o Xylene	ug/L	< 1		091510	1	EPA8260
Styrene	ug/L	< 1		091510	1	EPA8260
Bromoform	ug/L	< 1		091510	1	EPA8260
Isopropylbenzene	ug/L	< 1		091510	1	EPA8260
Bromobenzene	ug/L	< 1		091510	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		091510	1	EPA8260
123-Trichloropropane	ug/L	< 1		091510	1	EPA8260
n-Propylbenzene	ug/L	< 1		091510	1	EPA8260
2-Chlorotoluene	ug/L	< 1		091510	1	EPA8260
135-Trimethylbenzene	ug/L	< 1		091510	1	EPA8260
4-Chlorotoluene	ug/L	< 1		091510	1	EPA8260
tert-Butylbenzene	ug/L	< 1		091510	1	EPA8260
124-Trimethylbenzene	ug/L	< 1		091510	1	EPA8260
sec-Butylbenzene	ug/L	< 1		091510	1	EPA8260
p-Isopropyltoluene	ug/L	< 1		091510	1	EPA8260

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REMARKS:

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SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
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MATRIX:Water SAMPLE: Blind Duplicate

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/L	< 1		091510	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		091510	1	EPA8260
n-Butylbenzene	ug/L	< 1		091510	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		091510	1	EPA8260
Dibromochloropropane	ug/L	< 1		091510	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		091510	1	EPA8260
Hexachlorobutadiene	ug/L	< 1		091510	1	EPA8260
Naphthalene(v)	ug/L	< 1		091510	1	EPA8260
123-Trichlorobenzene	ug/L	< 1		091510	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		091510	1	EPA8260
p-Ethyltoluene	ug/L	< 1		091510	1	EPA8260
Freon 113	ug/L	< 1		091510	1	EPA8260
1245 Tetramethylbenz	ug/L	< 1		091510	1	EPA8260
Acetone	ug/L	< 10		091510	10	EPA8260
Methyl Ethyl Ketone	ug/L	< 10		091510	10	EPA8260
Methylisobutylketone	ug/L	< 10		091510	10	EPA8260
Chlorodifluoromethane	ug/L	< 1		091510	1	EPA8260
p Diethylbenzene	ug/L	< 1		091510	1	EPA8260
Acrylonitrile	ug/L	< 5		091510	5	EPA8260
Carbon disulfide	ug/L	< 1		091510	1	EPA8260
2-Hexanone	ug/L	< 10		091510	10	EPA8260
Vinyl Acetate	ug/L	< 10		091510	10	EPA8260
t-1,4-Dichloro-2-butene	ug/L	< 1		091510	1	EPA8260

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ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/L	< 1		091410	1	EPA8270
1,3 Dichlorobenzene(sv)	ug/L	< 1		091410	1	EPA8270
1,4 Dichlorobenzene(sv)	ug/L	< 1		091410	1	EPA8270
Carbazole	ug/L	< 1		091410	1	EPA8270
1,2 Dichlorobenzene(sv)	ug/L	< 1		091410	1	EPA8270
Bis(2-chloroisopropyl)ether	ug/L	< 1		091410	1	EPA8270
N-Nitrosodi-n-propylamine	ug/L	< 1		091410	1	EPA8270
Hexachloroethane	ug/L	< 1		091410	1	EPA8270
Nitrobenzene	ug/L	< 1		091410	1	EPA8270
Isophorone	ug/L	< 1		091410	1	EPA8270
Bis(2-chloroethoxy)methane	ug/L	< 1		091410	1	EPA8270
124-Trichlorobenzene (sv)	ug/L	< 1		091410	1	EPA8270
Naphthalene(sv)	ug/L	< 1		091410	1	EPA8270
4-Chloroaniline	ug/L	< 1		091410	1	EPA8270
Hexachlorobutadiene	ug/L	< 1		091410	1	EPA8270
2-Methylnaphthalene	ug/L	< 1		091410	1	EPA8270
Hexachlorocyclopentadiene	ug/L	< 10		091410	10	EPA8270
2-Chloronaphthalene	ug/L	< 1		091410	1	EPA8270
2-Nitroaniline	ug/L	< 1		091410	1	EPA8270
Dimethyl Phthalate	ug/L	< 1		091410	1	EPA8270
Acenaphthylene	ug/L	< 1		091410	1	EPA8270
2,6-Dinitrotoluene	ug/L	< 1		091410	1	EPA8270
3-Nitroaniline	ug/L	< 1		091410	1	EPA8270
Acenaphthene	ug/L	< 1		091410	1	EPA8270
Dibenzofuran	ug/L	< 1		091410	1	EPA8270

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rn = 23741 NYSDOH ID # 10320 Page 4 of 11

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2,4-Dinitrotoluene	ug/L	< 1		091410	1	EPA8270
Diethyl Phthalate	ug/L	< 1		091410	1	EPA8270
4-Chlorophenyl phenyl ether	ug/L	< 1		091410	1	EPA8270
Fluorene	ug/L	< 1		091410	1	EPA8270
4-Nitroaniline	ug/L	< 1		091410	1	EPA8270
N-Nitrosodiphenylamine	ug/L	< 1		091410	1	EPA8270
4-Bromophenyl phenyl ether	ug/L	< 1		091410	1	EPA8270
Hexachlorobenzene	ug/L	< 1		091410	1	EPA8270
Phenanthrene	ug/L	< 1		091410	1	EPA8270
Anthracene	ug/L	< 1		091410	1	EPA8270
Di-n-Butyl Phthalate	ug/L	< 1		091410	1	EPA8270
Fluoranthene	ug/L	< 1		091410	1	EPA8270
Pyrene	ug/L	< 1		091410	1	EPA8270
BenzylButylPhthalate	ug/L	< 1		091410	1	EPA8270
3,3'-Dichlorobenzidine	ug/L	< 10		091410	10	EPA8270
Benzo(a)anthracene	ug/L	< 1		091410	1	EPA8270

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rn = 23742 NYSDOH ID # 10320 Page 5 of 11

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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

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

LAB NO.104189.06 10/05/10

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:09/09/10

MATRIX:Water SAMPLE: Blind Duplicate

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/L	< 1		091410	1	EPA8270
Bis(2-ethylhexyl)phthalate	ug/L	5.5 u	#	091410	1	EPA8270
Di-n-octyl Phthalate	ug/L	< 1		091410	1	EPA8270
Benzo(b)fluoranthene	ug/L	< 1		091410	1	EPA8270
Benzo(k)fluoranthene	ug/L	< 1		091410	1	EPA8270
Benzo(a)pyrene	ug/L	< 1		091410	1	EPA8270
Indeno(1,2,3-cd)pyrene	ug/L	< 1		091410	1	EPA8270
Dibenzo(a,h)anthracene	ug/L	< 1		091410	1	EPA8270
Benzo(ghi)perylene	ug/L	< 1		091410	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS: #Method blank contains 2.1 ug/L of Bis(2-ethylhexyl) phthalate.

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11/29/10 DIRECTOR

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ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/L	< 1		091410	1	EPA8270
2-Chlorophenol	ug/L	< 1		091410	1	EPA8270
2-Methylphenol (o-cresol)	ug/L	< 1		091410	1	EPA8270
4-Methylphenol (p-cresol)	ug/L	< 1		091410	1	EPA8270
2-Nitrophenol	ug/L	< 1		091410	1	EPA8270
2,4-Dimethylphenol	ug/L	< 1		091410	1	EPA8270
2,4-Dichlorophenol	ug/L	< 1		091410	1	EPA8270
4-Chloro-3-methylphenol	ug/L	< 1		091410	1	EPA8270
2,4,6-Trichlorophenol	ug/L	< 1		091410	1	EPA8270
2,4,5-Trichlorophenol	ug/L	< 1		091410	1	EPA8270
2,4-Dinitrophenol	ug/L	< 10		091410	10	EPA8270
4-Nitrophenol	ug/L	< 10		091410	10	EPA8270
2-Methyl-4,6-dinitrophenol	ug/L	< 10		091410	10	EPA8270
Pentachlorophenol (ms)	ug/L	< 10		091410	10	EPA8270

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MATRIX:Water SAMPLE: Blind Duplicate

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/L	< 0.05		091510	0.05	EPA608
Heptachlor	ug/L	< 0.05		091510	0.05	EPA608
Aldrin	ug/L	< 0.05		091510	0.05	EPA608
Heptachlor Epoxide	ug/L	< 0.05		091510	0.05	EPA608
p,p-DDE	ug/L	< 0.05		091510	0.05	EPA608
Dieldrin	ug/L	< 0.05		091510	0.05	EPA608
Endrin	ug/L	< 0.05		091510	0.05	EPA608
p,p-DDD	ug/L	< 0.05		091510	0.05	EPA608
p,p-DDT	ug/L	< 0.1		091510	0.1	EPA608
Chlordane	ug/L	< 0.2		091510	0.2	EPA608
Toxaphene	ug/L	< 1		091510	1	EPA608
Endrin Ketone	ug/L	< 0.1		091510	0.1	EPA608
a BHC	ug/L	< 0.05		091510	0.05	EPA608
b BHC	ug/L	< 0.05		091510	0.05	EPA608
d BHC	ug/L	< 0.05		091510	0.05	EPA608
Endosulfan 1	ug/L	< 0.1		091510	0.1	EPA608

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Endosulfan 2	ug/L	< 0.1		091510	0.1	EPA608
Endosulfan Sulfate	ug/L	< 0.3		091510	0.3	EPA608
Methoxychlor	ug/L	< 0.1		091510	0.1	EPA608
Endrin Aldehyde	ug/L	< 0.3		091510	0.3	EPA608
Aroclor 1016	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1221	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1232	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1242	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1248	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1254	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1260	ug/L	< 0.065		091510	0.065	EPA608

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Aluminum as Al	mg/L	< 0.05		091710	0.05	EPA200.7
Antimony as Sb	mg/L	< 0.025		091710	0.025	EPA200.7
Arsenic as As	mg/L	< 0.025		091710	0.025	EPA200.7
Barium as Ba	mg/L	0.15		091710	0.025	EPA200.7
Beryllium as Be	mg/L	< 0.005		091710	0.005	EPA200.7
Cadmium as Cd	mg/L	< 0.025		091710	0.025	EPA200.7
Calcium as Ca	mg/L	220		091710	1	EPA200.7
Chromium as Cr	mg/L	< 0.025		091710	0.025	EPA200.7
Cobalt as Co	mg/L	< 0.025		091710	0.025	EPA200.7
Copper as Cu	mg/L	< 0.05		091710	0.05	EPA200.7
Iron as Fe	mg/L	14		091710	0.05	EPA200.7
Lead as Pb	mg/L	< 0.025		091710	0.025	EPA200.7
Magnesium as Mg	mg/L	490		091710	0.025	EPA200.7
Manganese as Mn	mg/L	0.58		091710	0.05	EPA200.7
Mercury as Hg	mg/L	< 0.00025		091410	0.0002	EPA245.2
Nickel as Ni	mg/L	< 0.05		091710	0.05	EPA200.7
Potassium as K	mg/L	230		091710	50	EPA200.7
Selenium as Se	mg/L	< 0.05		091710	0.05	EPA200.7
Silver as Ag	mg/L	< 0.025		091710	0.025	EPA200.7
Sodium as Na	mg/L	4000		091710	50	EPA200.7
Thallium as Tl	mg/L	< 0.025		091710	0.025	EPA200.7
Vanadium as V	mg/L	< 0.025		091710	0.025	EPA200.7
Zinc as Zn	mg/L	0.17		091710	0.05	EPA200.7
Boron as B	mg/L	2.0		091710	0.05	EPA200.7

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REMARKS:

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11/29/10 DIRECTOR

rn = 23747 NYSDOH ID # 10320 Page 10 of 11

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ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Alkalinity tot CaCo3	mg/L	500		091410	20	S182320B
Ammonia as N	mg/L	11		091410	0.2	S204500NH3C
BOD5	mg/L	< 2		090910 1500	2	5210B
COD	mg/L	600		091610	200	EPA410.4
Chloride as Cl	mg/L	7800		091310	100	S184500C1B
Color units		25		091010 1339	5	S182120B
Nitrate as N	mg/L	< 0.5		091310	0.5	EPA353.2
Phenols as Phenol	mg/L	< 0.001		091310	0.001	EPA420.1
Sulfate as SO4	mg/L	800		091410	250	AS D516-02
Tot Dissolved Solids	mg/L	15000		091310	100	S182540C
Tot. Kjeldahl N.	mg/L	13		091510	0.2	S204500NORB
Tot Organic Carbon	mg/L	1.5		091510	0.5	S185310C
Chromium hex as Cr	mg/L	< 0.02		091010 1040	0.02	3500CrB
Cyanide as CN	mg/L	< 0.02		091310	0.02	EPA335.4
Bromide as Br	mg/L	20	*	091710	0.5	EPA300.0
Hardness as CaCO3		2600		091710	2.6	EPA200.7

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REMARKS: * Analysis performed by Summit Labs, NYID#11777.

11/29/10 DIRECTOR

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SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:09/09/10 RECEIVED:09/09/10
TIME COL'D:1145
MATRIX:Water SAMPLE: HP-407-U

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		091510	1	EPA8260
Chloromethane	ug/L	< 1		091510	1	EPA8260
Vinyl Chloride	ug/L	< 1		091510	1	EPA8260
Bromomethane	ug/L	< 1		091510	1	EPA8260
Chloroethane	ug/L	< 1		091510	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		091510	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		091510	1	EPA8260
Methylene Chloride	ug/L	< 1		091510	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		091510	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		091510	1	EPA8260
2,2-Dichloropropane	ug/L	< 1		091510	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		091510	1	EPA8260
Bromochloromethane	ug/L	< 1		091510	1	EPA8260
Chloroform	ug/L	< 1		091510	1	EPA8260
111 Trichloroethane	ug/L	< 1		091510	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		091510	1	EPA8260
1,1-Dichloropropene	ug/L	< 1		091510	1	EPA8260
Benzene	ug/L	2		091510	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		091510	1	EPA8260
Trichloroethene	ug/L	< 1		091510	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		091510	1	EPA8260
Dibromomethane	ug/L	< 1		091510	1	EPA8260
Bromodichloromethane	ug/L	< 1		091510	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		091510	1	EPA8260
Toluene	ug/L	< 1		091510	1	EPA8260

cc:

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REMARKS:

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11/29/10

rn = 23771 NYSDOH ID # 10320 Page 1 of 11

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TIME COL'D:1145
MATRIX:Water SAMPLE: HP-407-U

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/L	< 1		091510	1	EPA8260
112 Trichloroethane	ug/L	< 1		091510	1	EPA8260
Tetrachloroethene	ug/L	< 1		091510	1	EPA8260
1,3-Dichloropropane	ug/L	< 1		091510	1	EPA8260
Chlorodibromomethane	ug/L	< 1		091510	1	EPA8260
1,2 Dibromoethane	ug/L	< 1		091510	1	EPA8260
Chlorobenzene	ug/L	4		091510	1	EPA8260
Ethyl Benzene	ug/L	< 1		091510	1	EPA8260
1112Tetrachloroethane	ug/L	< 1		091510	1	EPA8260
m + p Xylene	ug/L	< 2		091510	2	EPA8260
o Xylene	ug/L	< 1		091510	1	EPA8260
Styrene	ug/L	< 1		091510	1	EPA8260
Bromoform	ug/L	< 1		091510	1	EPA8260
Isopropylbenzene	ug/L	1		091510	1	EPA8260
Bromobenzene	ug/L	< 1		091510	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		091510	1	EPA8260
123-Trichloropropane	ug/L	< 1		091510	1	EPA8260
n-Propylbenzene	ug/L	< 1		091510	1	EPA8260
2-Chlorotoluene	ug/L	< 1		091510	1	EPA8260
135-Trimethylbenzene	ug/L	< 1		091510	1	EPA8260
4-Chlorotoluene	ug/L	< 1		091510	1	EPA8260
tert-Butylbenzene	ug/L	< 1		091510	1	EPA8260
124-Trimethylbenzene	ug/L	< 1		091510	1	EPA8260
sec-Butylbenzene	ug/L	< 1		091510	1	EPA8260
p-Isopropyltoluene	ug/L	< 1		091510	1	EPA8260

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TIME COL'D:1145
MATRIX:Water SAMPLE: HP-407-U

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/L	< 1		091510	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		091510	1	EPA8260
n-Butylbenzene	ug/L	< 1		091510	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		091510	1	EPA8260
Dibromochloropropane	ug/L	< 1		091510	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		091510	1	EPA8260
Hexachlorobutadiene	ug/L	< 1		091510	1	EPA8260
Naphthalene(v)	ug/L	< 1		091510	1	EPA8260
123-Trichlorobenzene	ug/L	< 1		091510	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		091510	1	EPA8260
p-Ethyltoluene	ug/L	< 1		091510	1	EPA8260
Freon 113	ug/L	< 1		091510	1	EPA8260
1245 Tetramethylbenz	ug/L	< 1		091510	1	EPA8260
Acetone	ug/L	< 10		091510	10	EPA8260
Methyl Ethyl Ketone	ug/L	< 10		091510	10	EPA8260
Methylisobutylketone	ug/L	< 10		091510	10	EPA8260
Chlorodifluoromethane	ug/L	< 1		091510	1	EPA8260
p Diethylbenzene	ug/L	< 1		091510	1	EPA8260
Acrylonitrile	ug/L	< 5		091510	5	EPA8260
Carbon disulfide	ug/L	< 1		091510	1	EPA8260
2-Hexanone	ug/L	< 10		091510	10	EPA8260
Vinyl Acetate	ug/L	< 10		091510	10	EPA8260
t-1,4-Dichloro-2-butene	ug/L	< 1		091510	1	EPA8260

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TIME COL'D:1145
MATRIX:Water SAMPLE: HP-407-U

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Bis(2-chloroethyl)ether	ug/L	< 1	091410	1	EPA8270
1,3 Dichlorobenzene(sv)	ug/L	< 1	091410	1	EPA8270
1,4 Dichlorobenzene(sv)	ug/L	< 1	091410	1	EPA8270
Carbazole	ug/L	< 1	091410	1	EPA8270
1,2 Dichlorobenzene(sv)	ug/L	< 1	091410	1	EPA8270
Bis(2-chloroisopropyl)ether	ug/L	< 1	091410	1	EPA8270
N-Nitrosodi-n-propylamine	ug/L	< 1	091410	1	EPA8270
Hexachloroethane	ug/L	< 1	091410	1	EPA8270
Nitrobenzene	ug/L	< 1	091410	1	EPA8270
Isophorone	ug/L	< 1	091410	1	EPA8270
Bis(2-chloroethoxy)methane	ug/L	< 1	091410	1	EPA8270
124-Trichlorobenzene (sv)	ug/L	< 1	091410	1	EPA8270
Naphthalene(sv)	ug/L	< 1	091410	1	EPA8270
4-Chloroaniline	ug/L	< 1	091410	1	EPA8270
Hexachlorobutadiene	ug/L	< 1	091410	1	EPA8270
2-Methylnaphthalene	ug/L	< 1	091410	1	EPA8270
Hexachlorocyclopentadiene	ug/L	< 10	091410	10	EPA8270
2-Chloronaphthalene	ug/L	< 1	091410	1	EPA8270
2-Nitroaniline	ug/L	< 1	091410	1	EPA8270
Dimethyl Phthalate	ug/L	< 1	091410	1	EPA8270
Acenaphthylene	ug/L	< 1	091410	1	EPA8270
2,6-Dinitrotoluene	ug/L	< 1	091410	1	EPA8270
3-Nitroaniline	ug/L	< 1	091410	1	EPA8270
Acenaphthene	ug/L	< 1	091410	1	EPA8270
Dibenzofuran	ug/L	< 1	091410	1	EPA8270

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

LAB NO.104189.09 10/05/10

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:09/09/10 RECEIVED:09/09/10
TIME COL'D:1145
MATRIX:Water SAMPLE: HP-407-U

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	TIME LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/L	< 1		091410	1	EPA8270
Diethyl Phthalate	ug/L	< 1		091410	1	EPA8270
4-Chlorophenyl phenyl ether	ug/L	< 1		091410	1	EPA8270
Fluorene	ug/L	< 1		091410	1	EPA8270
4-Nitroaniline	ug/L	< 1		091410	1	EPA8270
N-Nitrosodiphenylamine	ug/L	< 1		091410	1	EPA8270
4-Bromophenyl phenyl ether	ug/L	< 1		091410	1	EPA8270
Hexachlorobenzene	ug/L	< 1		091410	1	EPA8270
Phenanthrene	ug/L	< 1		091410	1	EPA8270
Anthracene	ug/L	< 1		091410	1	EPA8270
Di-n-Butyl Phthalate	ug/L	1.2		091410	1	EPA8270
Fluoranthene	ug/L	< 1		091410	1	EPA8270
Pyrene	ug/L	< 1		091410	1	EPA8270
BenzylButylPhthalate	ug/L	1.9		091410	1	EPA8270
3,3'-Dichlorobenzidine	ug/L	< 10 UJ	✗	091410	10	EPA8270
Benzo(a)anthracene	ug/L	< 1		091410	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS: *Estimated due to low internal standard,37%.QC limit is 50%.

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ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/L	< 1		091410	1	EPA8270
Bis(2-ethylhexyl)phthalate	ug/L	11 U	#	091410	1	EPA8270
Di-n-octyl Phthalate	ug/L	< 1 UJ	*	091410	1	EPA8270
Benzo(b)fluoranthene	ug/L	< 1	*	091410	1	EPA8270
Benzo(k)fluoranthene	ug/L	< 1	*	091410	1	EPA8270
Benzo(a)pyrene	ug/L	< 1	*	091410	1	EPA8270
Indeno(1,2,3-cd)pyrene	ug/L	< 1	*	091410	1	EPA8270
Dibenzo(a,h)anthracene	ug/L	< 1	*	091410	1	EPA8270
Benzo(ghi)perylene	ug/L	< 1	*	091410	1	EPA8270

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#Method blank contains 2.1 ug/L of Bis(2-ethylhexyl) phthalate.

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ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/L	< 1		091410	1	EPA8270
2-Chlorophenol	ug/L	< 1		091410	1	EPA8270
2-Methylphenol (o-cresol)	ug/L	< 1		091410	1	EPA8270
4-Methylphenol (p-cresol)	ug/L	< 1		091410	1	EPA8270
2-Nitrophenol	ug/L	< 1		091410	1	EPA8270
2,4-Dimethylphenol	ug/L	< 1		091410	1	EPA8270
2,4-Dichlorophenol	ug/L	< 1		091410	1	EPA8270
4-Chloro-3-methylphenol	ug/L	< 1		091410	1	EPA8270
2,4,6-Trichlorophenol	ug/L	< 1		091410	1	EPA8270
2,4,5-Trichlorophenol	ug/L	< 1		091410	1	EPA8270
2,4-Dinitrophenol	ug/L	< 10		091410	10	EPA8270
4-Nitrophenol	ug/L	< 10		091410	10	EPA8270
2-Methyl-4,6-dinitrophenol	ug/L	< 10		091410	10	EPA8270
Pentachlorophenol (ms)	ug/L	< 10		091410	10	EPA8270

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Lindane	ug/L	< 0.05		091510	0.05	EPA608
Heptachlor	ug/L	< 0.05		091510	0.05	EPA608
Aldrin	ug/L	< 0.05		091510	0.05	EPA608
Heptachlor Epoxide	ug/L	< 0.05		091510	0.05	EPA608
p,p-DDE	ug/L	< 0.05		091510	0.05	EPA608
Dieldrin	ug/L	< 0.05		091510	0.05	EPA608
Endrin	ug/L	< 0.05		091510	0.05	EPA608
p,p-DDD	ug/L	< 0.05		091510	0.05	EPA608
p,p-DDT	ug/L	< 0.1		091510	0.1	EPA608
Chlordane	ug/L	< 0.2		091510	0.2	EPA608
Toxaphene	ug/L	< 1		091510	1	EPA608
Endrin Ketone	ug/L	< 0.1		091510	0.1	EPA608
a BHC	ug/L	< 0.05		091510	0.05	EPA608
b BHC	ug/L	< 0.05		091510	0.05	EPA608
d BHC	ug/L	< 0.05		091510	0.05	EPA608
Endosulfan 1	ug/L	< 0.1		091510	0.1	EPA608

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Endosulfan 2	ug/L	< 0.1		091510	0.1	EPA608
Endosulfan Sulfate	ug/L	< 0.3		091510	0.3	EPA608
Methoxychlor	ug/L	< 0.1		091510	0.1	EPA608
Endrin Aldehyde	ug/L	< 0.3		091510	0.3	EPA608
Aroclor 1016	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1221	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1232	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1242	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1248	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1254	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1260	ug/L	< 0.065		091510	0.065	EPA608

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Aluminum as Al	mg/L	0.06		092010	0.05	EPA200.7
Antimony as Sb	mg/L	< 0.025		092010	0.025	EPA200.7
Arsenic as As	mg/L	< 0.025		092010	0.025	EPA200.7
Barium as Ba	mg/L	1.0		092010	0.025	EPA200.7
Beryllium as Be	mg/L	< 0.005		092010	0.005	EPA200.7
Cadmium as Cd	mg/L	< 0.025		092010	0.025	EPA200.7
Calcium as Ca	mg/L	97		092010	1	EPA200.7
Chromium as Cr	mg/L	< 0.025		092010	0.025	EPA200.7
Cobalt as Co	mg/L	< 0.025		092010	0.025	EPA200.7
Copper as Cu	mg/L	< 0.05		092010	0.05	EPA200.7
Iron as Fe	mg/L	1.1		092010	0.05	EPA200.7
Lead as Pb	mg/L	< 0.025		092010	0.025	EPA200.7
Magnesium as Mg	mg/L	130		092010	0.025	EPA200.7
Manganese as Mn	mg/L	0.37		092010	0.05	EPA200.7
Mercury as Hg	mg/L	< 0.00025		091410	0.0002	EPA245.2
Nickel as Ni	mg/L	< 0.05		092010	0.05	EPA200.7
Potassium as K	mg/L	100		091710	10	EPA200.7
Selenium as Se	mg/L	< 0.05		092010	0.05	EPA200.7
Silver as Ag	mg/L	< 0.025		092010	0.025	EPA200.7
Sodium as Na	mg/L	410		092010	5	EPA200.7
Thallium as Tl	mg/L	< 0.025		092010	0.025	EPA200.7
Vanadium as V	mg/L	< 0.025		092010	0.025	EPA200.7
Zinc as Zn	mg/L	0.1 u		092010	0.05	EPA200.7
Boron as B	mg/L	3.4		092010	0.05	EPA200.7

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MATRIX:Water SAMPLE: HP-407-U

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	TIME	LRL	ANALYTICAL METHOD
Alkalinity tot CaCo3	mg/L	1800		091410		20	S182320B
Ammonia as N	mg/L	130		091410		0.2	S204500NH3C
BOD5	mg/L	16		090910	1500	5	5210B
COD	mg/L	330		091610		40	EPA410.4
Chloride as Cl	mg/L	420		091310		4	S184500C1B
Color units		150		091010	1345	30	S182120B
Nitrate as N	mg/L	< 0.5		091310		0.5	EPA353.2
Phenols as Phenol	mg/L	< 0.001		091310		0.001	EPA420.1
Sulfate as SO4	mg/L	< 10		091410		10	AS D516-02
Tot Dissolved Solids	mg/L	2200		091310		100	S182540C
Tot. Kjeldahl N.	mg/L	130		091510		0.2	S204500NORB
Tot Organic Carbon	mg/L	48		091510		5	S185310C
Chromium hex as Cr	mg/L	< 0.02		091010	1040	0.02	3500CrB
Cyanide as CN	mg/L	< 0.02		091310		0.02	EPA335.4
Bromide as Br	mg/L	3.2	*	091710		0.5	EPA300.0
Hardness as CaCO3		780		092010		2.6	epa200.7

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REMARKS: * Analysis performed by Summit Labs, NYID#11777.

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rn = 23781 NYSDOH ID # 10320 Page 11 of 11

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TIME COL'D:1410
MATRIX:Water SAMPLE: HP-101-S

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		091510	1	EPA8260
Chloromethane	ug/L	< 1		091510	1	EPA8260
Vinyl Chloride	ug/L	< 1		091510	1	EPA8260
Bromomethane	ug/L	< 1		091510	1	EPA8260
Chloroethane	ug/L	< 1		091510	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		091510	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		091510	1	EPA8260
Methylene Chloride	ug/L	< 1		091510	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		091510	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		091510	1	EPA8260
2,2-Dichloropropane	ug/L	< 1		091510	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		091510	1	EPA8260
Bromochloromethane	ug/L	< 1		091510	1	EPA8260
Chloroform	ug/L	< 1		091510	1	EPA8260
111 Trichloroethane	ug/L	< 1		091510	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		091510	1	EPA8260
1,1-Dichloropropene	ug/L	< 1		091510	1	EPA8260
Benzene	ug/L	< 1		091510	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		091510	1	EPA8260
Trichloroethene	ug/L	< 1		091510	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		091510	1	EPA8260
Dibromomethane	ug/L	< 1		091510	1	EPA8260
Bromodichloromethane	ug/L	< 1		091510	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		091510	1	EPA8260
Toluene	ug/L	< 1		091510	1	EPA8260

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REMARKS:

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rn = 23782 NYSDOH ID # 10320 Page 1 of 11

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t-1,3Dichloropropene	ug/L	< 1		091510	1	EPA8260
112 Trichloroethane	ug/L	< 1		091510	1	EPA8260
Tetrachloroethene	ug/L	< 1		091510	1	EPA8260
1,3-Dichloropropane	ug/L	< 1		091510	1	EPA8260
Chlorodibromomethane	ug/L	< 1		091510	1	EPA8260
1,2 Dibromoethane	ug/L	< 1		091510	1	EPA8260
Chlorobenzene	ug/L	< 1		091510	1	EPA8260
Ethyl Benzene	ug/L	< 1		091510	1	EPA8260
1112Tetrachloroethane	ug/L	< 1		091510	1	EPA8260
m + p Xylene	ug/L	< 2		091510	2	EPA8260
o Xylene	ug/L	< 1		091510	1	EPA8260
Styrene	ug/L	< 1		091510	1	EPA8260
Bromoform	ug/L	< 1		091510	1	EPA8260
Isopropylbenzene	ug/L	< 1		091510	1	EPA8260
Bromobenzene	ug/L	< 1		091510	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		091510	1	EPA8260
123-Trichloropropane	ug/L	< 1		091510	1	EPA8260
n-Propylbenzene	ug/L	< 1		091510	1	EPA8260
2-Chlorotoluene	ug/L	< 1		091510	1	EPA8260
135-Trimethylbenzene	ug/L	< 1		091510	1	EPA8260
4-Chlorotoluene	ug/L	< 1		091510	1	EPA8260
tert-Butylbenzene	ug/L	< 1		091510	1	EPA8260
124-Trimethylbenzene	ug/L	< 1		091510	1	EPA8260
sec-Butylbenzene	ug/L	< 1		091510	1	EPA8260
p-Isopropyltoluene	ug/L	< 1		091510	1	EPA8260

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1,3 Dichlorobenzene (v)	ug/L	< 1		091510	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		091510	1	EPA8260
n-Butylbenzene	ug/L	< 1		091510	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		091510	1	EPA8260
Dibromochloropropane	ug/L	< 1		091510	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		091510	1	EPA8260
Hexachlorobutadiene	ug/L	< 1		091510	1	EPA8260
Naphthalene(v)	ug/L	< 1		091510	1	EPA8260
123-Trichlorobenzene	ug/L	< 1		091510	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		091510	1	EPA8260
p-Ethyltoluene	ug/L	< 1		091510	1	EPA8260
Freon 113	ug/L	< 1		091510	1	EPA8260
1245 Tetramethylbenz	ug/L	< 1		091510	1	EPA8260
Acetone	ug/L	< 10		091510	10	EPA8260
Methyl Ethyl Ketone	ug/L	< 10		091510	10	EPA8260
Methylisobutylketone	ug/L	< 10		091510	10	EPA8260
Chlorodifluoromethane	ug/L	< 1		091510	1	EPA8260
p Diethylbenzene	ug/L	< 1		091510	1	EPA8260
Acrylonitrile	ug/L	< 5		091510	5	EPA8260
Carbon disulfide	ug/L	< 1		091510	1	EPA8260
2-Hexanone	ug/L	< 10		091510	10	EPA8260
Vinyl Acetate	ug/L	< 10		091510	10	EPA8260
t-1,4-Dichloro-2-butene	ug/L	< 1		091510	1	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		091410	1	EPA8270
1,3 Dichlorobenzene(sv)	ug/L	< 1		091410	1	EPA8270
1,4 Dichlorobenzene(sv)	ug/L	< 1		091410	1	EPA8270
Carbazole	ug/L	< 1		091410	1	EPA8270
1,2 Dichlorobenzene(sv)	ug/L	< 1		091410	1	EPA8270
Bis(2-chloroisopropyl)ether	ug/L	< 1		091410	1	EPA8270
N-Nitrosodi-n-propylamine	ug/L	< 1		091410	1	EPA8270
Hexachloroethane	ug/L	< 1		091410	1	EPA8270
Nitrobenzene	ug/L	< 1		091410	1	EPA8270
Isophorone	ug/L	< 1		091410	1	EPA8270
Bis(2-chloroethoxy)methane	ug/L	< 1		091410	1	EPA8270
124-Trichlorobenzene (sv)	ug/L	< 1		091410	1	EPA8270
Naphthalene(sv)	ug/L	< 1		091410	1	EPA8270
4-Chloroaniline	ug/L	< 1		091410	1	EPA8270
Hexachlorobutadiene	ug/L	< 1		091410	1	EPA8270
2-Methylnaphthalene	ug/L	< 1		091410	1	EPA8270
Hexachlorocyclopentadiene	ug/L	< 10		091410	10	EPA8270
2-Chloronaphthalene	ug/L	< 1		091410	1	EPA8270
2-Nitroaniline	ug/L	< 1		091410	1	EPA8270
Dimethyl Phthalate	ug/L	< 1		091410	1	EPA8270
Acenaphthylene	ug/L	< 1		091410	1	EPA8270
2,6-Dinitrotoluene	ug/L	< 1		091410	1	EPA8270
3-Nitroaniline	ug/L	< 1		091410	1	EPA8270
Acenaphthene	ug/L	< 1		091410	1	EPA8270
Dibenzofuran	ug/L	< 1		091410	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

11/29/10 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.104189.10 10/05/10

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:09/09/10 RECEIVED:09/09/10
TIME COL'D:1410
MATRIX:Water SAMPLE: HP-101-S

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/L	< 1		091410	1	EPA8270
Diethyl Phthalate	ug/L	< 1		091410	1	EPA8270
4-Chlorophenyl phenyl ether	ug/L	< 1		091410	1	EPA8270
Fluorene	ug/L	< 1		091410	1	EPA8270
4-Nitroaniline	ug/L	< 1		091410	1	EPA8270
N-Nitrosodiphenylamine	ug/L	< 1		091410	1	EPA8270
4-Bromophenyl phenyl ether	ug/L	< 1		091410	1	EPA8270
Hexachlorobenzene	ug/L	< 1		091410	1	EPA8270
Phenanthrene	ug/L	< 1		091410	1	EPA8270
Anthracene	ug/L	< 1		091410	1	EPA8270
Di-n-Butyl Phthalate	ug/L	< 1		091410	1	EPA8270
Fluoranthene	ug/L	< 1		091410	1	EPA8270
Pyrene	ug/L	< 1		091410	1	EPA8270
BenzylButylPhthalate	ug/L	1.2		091410	1	EPA8270
3,3'-Dichlorobenzidine	ug/L	< 10		091410	10	EPA8270
Benzo(a)anthracene	ug/L	< 1		091410	1	EPA8270

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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		091410	1	EPA8270
Bis(2-ethylhexyl)phthalate	ug/L	6.3 u	#	091410	1	EPA8270
Di-n-octyl Phthalate	ug/L	< 1		091410	1	EPA8270
Benzo(b)fluoranthene	ug/L	< 1		091410	1	EPA8270
Benzo(k)fluoranthene	ug/L	< 1		091410	1	EPA8270
Benzo(a)pyrene	ug/L	< 1		091410	1	EPA8270
Indeno(1,2,3-cd)pyrene	ug/L	< 1		091410	1	EPA8270
Dibenzo(a,h)anthracene	ug/L	< 1		091410	1	EPA8270
Benzo(ghi)perylene	ug/L	< 1		091410	1	EPA8270

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REMARKS: #Method blank contains 2.1 ug/L of Bis(2-ethylhexyl) phthalate.

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ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/L	< 1		091410	1	EPA8270
2-Chlorophenol	ug/L	< 1		091410	1	EPA8270
2-Methylphenol (o-cresol)	ug/L	< 1		091410	1	EPA8270
4-Methylphenol (p-cresol)	ug/L	< 1		091410	1	EPA8270
2-Nitrophenol	ug/L	< 1		091410	1	EPA8270
2,4-Dimethylphenol	ug/L	< 1		091410	1	EPA8270
2,4-Dichlorophenol	ug/L	< 1		091410	1	EPA8270
4-Chloro-3-methylphenol	ug/L	< 1		091410	1	EPA8270
2,4,6-Trichlorophenol	ug/L	< 1		091410	1	EPA8270
2,4,5-Trichlorophenol	ug/L	< 1		091410	1	EPA8270
2,4-Dinitrophenol	ug/L	< 10		091410	10	EPA8270
4-Nitrophenol	ug/L	< 10		091410	10	EPA8270
2-Methyl-4,6-dinitrophenol	ug/L	< 10		091410	10	EPA8270
Pentachlorophenol (ms)	ug/L	< 10		091410	10	EPA8270

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ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/L	< 0.05		091510	0.05	EPA608
Heptachlor	ug/L	< 0.05		091510	0.05	EPA608
Aldrin	ug/L	< 0.05		091510	0.05	EPA608
Heptachlor Epoxide	ug/L	< 0.05		091510	0.05	EPA608
p,p-DDE	ug/L	< 0.05		091510	0.05	EPA608
Dieldrin	ug/L	< 0.05		091510	0.05	EPA608
Endrin	ug/L	< 0.05		091510	0.05	EPA608
p,p-DDD	ug/L	< 0.05		091510	0.05	EPA608
p,p-DDT	ug/L	< 0.1		091510	0.1	EPA608
Chlordane	ug/L	< 0.2		091510	0.2	EPA608
Toxaphene	ug/L	< 1		091510	1	EPA608
Endrin Ketone	ug/L	< 0.1		091510	0.1	EPA608
a BHC	ug/L	< 0.05		091510	0.05	EPA608
b BHC	ug/L	< 0.05		091510	0.05	EPA608
d BHC	ug/L	< 0.05		091510	0.05	EPA608
Endosulfan 1	ug/L	< 0.1		091510	0.1	EPA608

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Endosulfan 2	ug/L	< 0.1		091510	0.1	EPA608
Endosulfan Sulfate	ug/L	< 0.3		091510	0.3	EPA608
Methoxychlor	ug/L	< 0.1		091510	0.1	EPA608
Endrin Aldehyde	ug/L	< 0.3		091510	0.3	EPA608
Aroclor 1016	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1221	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1232	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1242	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1248	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1254	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1260	ug/L	< 0.065		091510	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		092010	0.05	EPA200.7
Antimony as Sb	mg/L	< 0.025		092010	0.025	EPA200.7
Arsenic as As	mg/L	< 0.025		092010	0.025	EPA200.7
Barium as Ba	mg/L	0.046		092010	0.025	EPA200.7
Beryllium as Be	mg/L	< 0.005		092010	0.005	EPA200.7
Cadmium as Cd	mg/L	< 0.025		092010	0.025	EPA200.7
Calcium as Ca	mg/L	51		092010	1	EPA200.7
Chromium as Cr	mg/L	< 0.025		092010	0.025	EPA200.7
Cobalt as Co	mg/L	< 0.025		092010	0.025	EPA200.7
Copper as Cu	mg/L	< 0.05		092010	0.05	EPA200.7
Iron as Fe	mg/L	0.82		092010	0.05	EPA200.7
Lead as Pb	mg/L	< 0.025		092010	0.025	EPA200.7
Magnesium as Mg	mg/L	110		092010	0.025	EPA200.7
Manganese as Mn	mg/L	0.05		092010	0.05	EPA200.7
Mercury as Hg	mg/L	< 0.00025		091410	0.0002	EPA245.2
Nickel as Ni	mg/L	< 0.05		092010	0.05	EPA200.7
Potassium as K	mg/L	110		091710	10	EPA200.7
Selenium as Se	mg/L	< 0.05		092010	0.05	EPA200.7
Silver as Ag	mg/L	< 0.025		092010	0.025	EPA200.7
Sodium as Na	mg/L	1300		091710	10	EPA200.7
Thallium as Tl	mg/L	< 0.025		092010	0.025	EPA200.7
Vanadium as V	mg/L	< 0.025		092010	0.025	EPA200.7
Zinc as Zn	mg/L	< 0.05		092010	0.05	EPA200.7
Boron as B	mg/L	1.4		092010	0.05	EPA200.7

cc:

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REMARKS:

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LAB NO.104189.10 10/05/10

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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
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TIME COL'D:1410
MATRIX:Water SAMPLE: HP-101-S

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	TIME	LRL	ANALYTICAL METHOD
Alkalinity tot CaCo3	mg/L	1000		091410		20	S182320B
Ammonia as N	mg/L	4.8		091410		0.2	S204500NH3C
BOD5	mg/L	2.1		090910	1500	2	5210B
COD	mg/L	220		091610		80	EPA410.4
Chloride as Cl	mg/L	2400		091310		100	S184500C1B
Color units		50		091010	1351	10	S182120B
Nitrate as N	mg/L	< 0.5		091310		0.5	EPA353.2
Phenols as Phenol	mg/L	< 0.001		091310		0.001	EPA420.1
Sulfate as SO4	mg/L	< 10		091410		10	AS D516-02
Tot Dissolved Solids	mg/L	4400		091310		100	S182540C
Tot. Kjeldahl N.	mg/L	5.4		091510		0.2	S204500NORB
Tot Organic Carbon	mg/L	4.8		091510		0.5	S185310C
Chromium hex as Cr	mg/L	< 0.02		091010	1040	0.02	3500CrB
Cyanide as CN	mg/L	< 0.02		091310		0.02	EPA335.4
Bromide as Br	mg/L	2.3	*	091710		0.5	EPA300.0
Hardness as CaCO3		590		092010		2.6	epa200.7

cc:

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REMARKS: * Analysis performed by Summit Labs, NYID#11777.

11/29/10 DIRECTOR

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LAB NO.104206.01 10/04/10

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:09/10/10 RECEIVED:09/10/10
TIME COL'D:0945
MATRIX:Water SAMPLE: HP-101-U

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		091510	1	EPA8260
Chloromethane	ug/L	< 1		091510	1	EPA8260
Vinyl Chloride	ug/L	< 1		091510	1	EPA8260
Bromomethane	ug/L	< 1		091510	1	EPA8260
Chloroethane	ug/L	< 1		091510	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		091510	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		091510	1	EPA8260
Methylene Chloride	ug/L	< 1		091510	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		091510	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		091510	1	EPA8260
2,2-Dichloropropane	ug/L	< 1		091510	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		091510	1	EPA8260
Bromochloromethane	ug/L	< 1		091510	1	EPA8260
Chloroform	ug/L	< 1		091510	1	EPA8260
111 Trichloroethane	ug/L	< 1		091510	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		091510	1	EPA8260
1,1-Dichloropropene	ug/L	< 1		091510	1	EPA8260
Benzene	ug/L	< 1		091510	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		091510	1	EPA8260
Trichloroethene	ug/L	< 1		091510	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		091510	1	EPA8260
Dibromomethane	ug/L	< 1		091510	1	EPA8260
Bromodichloromethane	ug/L	< 1		091510	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		091510	1	EPA8260
Toluene	ug/L	< 1		091510	1	EPA8260

cc:

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REMARKS:

NW
11/29/10 DIRECTOR

rn = 23910 NYSDOH ID # 10320

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LAB NO.104206.01 10/04/10

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:09/10/10 RECEIVED:09/10/10
TIME COL'D:0945
MATRIX:Water SAMPLE: HP-101-U

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/L	< 1		091510	1	EPA8260
112 Trichloroethane	ug/L	< 1		091510	1	EPA8260
Tetrachloroethene	ug/L	< 1		091510	1	EPA8260
1,3-Dichloropropane	ug/L	< 1		091510	1	EPA8260
Chlorodibromomethane	ug/L	< 1		091510	1	EPA8260
1,2 Dibromoethane	ug/L	< 1		091510	1	EPA8260
Chlorobenzene	ug/L	10		091510	1	EPA8260
Ethyl Benzene	ug/L	< 1		091510	1	EPA8260
1112Tetrachloroethane	ug/L	< 1		091510	1	EPA8260
m + p Xylene	ug/L	< 2		091510	2	EPA8260
o Xylene	ug/L	< 1		091510	1	EPA8260
Styrene	ug/L	< 1		091510	1	EPA8260
Bromoform	ug/L	< 1		091510	1	EPA8260
Isopropylbenzene	ug/L	< 1		091510	1	EPA8260
Bromobenzene	ug/L	< 1		091510	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		091510	1	EPA8260
123-Trichloropropane	ug/L	< 1		091510	1	EPA8260
n-Propylbenzene	ug/L	< 1		091510	1	EPA8260
2-Chlorotoluene	ug/L	< 1		091510	1	EPA8260
135-Trimethylbenzene	ug/L	< 1		091510	1	EPA8260
4-Chlorotoluene	ug/L	< 1		091510	1	EPA8260
tert-Butylbenzene	ug/L	< 1		091510	1	EPA8260
124-Trimethylbenzene	ug/L	< 1		091510	1	EPA8260
sec-Butylbenzene	ug/L	< 1		091510	1	EPA8260
p-Isopropyltoluene	ug/L	< 1		091510	1	EPA8260

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ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/L	< 1		091510	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	3		091510	1	EPA8260
n-Butylbenzene	ug/L	< 1		091510	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		091510	1	EPA8260
Dibromochloropropane	ug/L	< 1		091510	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		091510	1	EPA8260
Hexachlorobutadiene	ug/L	< 1		091510	1	EPA8260
Naphthalene(v)	ug/L	< 1		091510	1	EPA8260
123-Trichlorobenzene	ug/L	< 1		091510	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		091510	1	EPA8260
p-Ethyltoluene	ug/L	< 1		091510	1	EPA8260
Freon 113	ug/L	< 1		091510	1	EPA8260
1245 Tetramethylbenz	ug/L	< 1		091510	1	EPA8260
Acetone	ug/L	< 10		091510	10	EPA8260
Methyl Ethyl Ketone	ug/L	< 10		091510	10	EPA8260
Methylisobutylketone	ug/L	< 10		091510	10	EPA8260
Chlorodifluoromethane	ug/L	< 1		091510	1	EPA8260
p Diethylbenzene	ug/L	< 1		091510	1	EPA8260
Acrylonitrile	ug/L	< 5		091510	5	EPA8260
Carbon disulfide	ug/L	< 1		091510	1	EPA8260
2-Hexanone	ug/L	< 10		091510	10	EPA8260
Vinyl Acetate	ug/L	< 10		091510	10	EPA8260
t-1,4-Dichloro-2-butene	ug/L	< 1		091510	1	EPA8260

cc:

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REMARKS:

11/29/10 DIRECTOR

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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.104206.01 10/04/10

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:09/10/10 RECEIVED:09/10/10
TIME COL'D:0945
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		091410	1	EPA8270
1,3 Dichlorobenzene(sv)	ug/L	< 1		091410	1	EPA8270
1,4 Dichlorobenzene(sv)	ug/L	< 1		091410	1	EPA8270
Carbazole	ug/L	< 1		091410	1	EPA8270
1,2 Dichlorobenzene(sv)	ug/L	< 1		091410	1	EPA8270
Bis(2-chloroisopropyl)ether	ug/L	< 1		091410	1	EPA8270
N-Nitrosodi-n-propylamine	ug/L	< 1		091410	1	EPA8270
Hexachloroethane	ug/L	< 1		091410	1	EPA8270
Nitrobenzene	ug/L	< 1		091410	1	EPA8270
Isophorone	ug/L	< 1		091410	1	EPA8270
Bis(2-chloroethoxy)methane	ug/L	< 1		091410	1	EPA8270
124-Trichlorobenzene (sv)	ug/L	< 1		091410	1	EPA8270
Naphthalene(sv)	ug/L	< 1		091410	1	EPA8270
4-Chloroaniline	ug/L	< 1		091410	1	EPA8270
Hexachlorobutadiene	ug/L	< 1		091410	1	EPA8270
2-Methylnaphthalene	ug/L	< 1		091410	1	EPA8270
Hexachlorocyclopentadiene	ug/L	< 10		091410	10	EPA8270
2-Chloronaphthalene	ug/L	< 1		091410	1	EPA8270
2-Nitroaniline	ug/L	< 1		091410	1	EPA8270
Dimethyl Phthalate	ug/L	< 1		091410	1	EPA8270
Acenaphthylene	ug/L	< 1		091410	1	EPA8270
2,6-Dinitrotoluene	ug/L	< 1		091410	1	EPA8270
3-Nitroaniline	ug/L	< 1		091410	1	EPA8270
Acenaphthene	ug/L	< 1		091410	1	EPA8270
Dibenzofuran	ug/L	< 1		091410	1	EPA8270

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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
2,4-Dinitrotoluene	ug/L	< 1		091410	1	EPA8270
Diethyl Phthalate	ug/L	< 1		091410	1	EPA8270
4-Chlorophenyl phenyl ether	ug/L	< 1		091410	1	EPA8270
Fluorene	ug/L	< 1		091410	1	EPA8270
4-Nitroaniline	ug/L	< 1		091410	1	EPA8270
N-Nitrosodiphenylamine	ug/L	< 1		091410	1	EPA8270
4-Bromophenyl phenyl ether	ug/L	< 1		091410	1	EPA8270
Hexachlorobenzene	ug/L	< 1		091410	1	EPA8270
Phenanthrene	ug/L	< 1		091410	1	EPA8270
Anthracene	ug/L	< 1		091410	1	EPA8270
Di-n-Butyl Phthalate	ug/L	< 1		091410	1	EPA8270
Fluoranthene	ug/L	< 1		091410	1	EPA8270
Pyrene	ug/L	< 1		091410	1	EPA8270
BenzylButylPhthalate	ug/L	< 1		091410	1	EPA8270
3,3'-Dichlorobenzidine	ug/L	< 10		091410	10	EPA8270
Benzo(a)anthracene	ug/L	< 1		091410	1	EPA8270

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ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/L	< 1		091410	1	EPA8270
Bis(2-ethylhexyl)phthalate	ug/L	5.3 u	#	091410	1	EPA8270
Di-n-octyl Phthalate	ug/L	< 1		091410	1	EPA8270
Benzo(b)fluoranthene	ug/L	< 1		091410	1	EPA8270
Benzo(k)fluoranthene	ug/L	< 1		091410	1	EPA8270
Benzo(a)pyrene	ug/L	< 1		091410	1	EPA8270
Indeno(1,2,3-cd)pyrene	ug/L	< 1		091410	1	EPA8270
Dibenzo(a,h)anthracene	ug/L	< 1		091410	1	EPA8270
Benzo(ghi)perylene	ug/L	< 1		091410	1	EPA8270

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REMARKS: #Method blank contains 2.1 ug/L of Bis(2-ethylhexyl) phthalate.

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ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/L	< 1		091410	1	EPA8270
2-Chlorophenol	ug/L	< 1		091410	1	EPA8270
2-Methylphenol (o-cresol)	ug/L	< 1		091410	1	EPA8270
4-Methylphenol (p-cresol)	ug/L	< 1		091410	1	EPA8270
2-Nitrophenol	ug/L	< 1		091410	1	EPA8270
2,4-Dimethylphenol	ug/L	< 1		091410	1	EPA8270
2,4-Dichlorophenol	ug/L	< 1		091410	1	EPA8270
4-Chloro-3-methylphenol	ug/L	< 1		091410	1	EPA8270
2,4,6-Trichlorophenol	ug/L	< 1		091410	1	EPA8270
2,4,5-Trichlorophenol	ug/L	< 1		091410	1	EPA8270
2,4-Dinitrophenol	ug/L	< 10		091410	10	EPA8270
4-Nitrophenol	ug/L	< 10		091410	10	EPA8270
2-Methyl-4,6-dinitrophenol	ug/L	< 10		091410	10	EPA8270
Pentachlorophenol (ms)	ug/L	< 10		091410	10	EPA8270

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TIME COL'D:0945
MATRIX:Water SAMPLE: HP-101-U

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/L	< 0.05		091510	0.05	EPA608
Heptachlor	ug/L	< 0.05		091510	0.05	EPA608
Aldrin	ug/L	< 0.05		091510	0.05	EPA608
Heptachlor Epoxide	ug/L	< 0.05		091510	0.05	EPA608
p,p-DDE	ug/L	< 0.05		091510	0.05	EPA608
Dieldrin	ug/L	< 0.05		091510	0.05	EPA608
Endrin	ug/L	< 0.05		091510	0.05	EPA608
p,p-DDD	ug/L	< 0.05		091510	0.05	EPA608
p,p-DDT	ug/L	< 0.1		091510	0.1	EPA608
Chlordane	ug/L	< 0.2		091510	0.2	EPA608
Toxaphene	ug/L	< 1		091510	1	EPA608
Endrin Ketone	ug/L	< 0.1		091510	0.1	EPA608
a BHC	ug/L	< 0.05		091510	0.05	EPA608
b BHC	ug/L	< 0.05		091510	0.05	EPA608
d BHC	ug/L	< 0.05		091510	0.05	EPA608
Endosulfan 1	ug/L	< 0.1		091510	0.1	EPA608

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REMARKS:

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Endosulfan 2	ug/L	< 0.1		091510	0.1	EPA608
Endosulfan Sulfate	ug/L	< 0.3		091510	0.3	EPA608
Methoxychlor	ug/L	< 0.1		091510	0.1	EPA608
Endrin Aldehyde	ug/L	< 0.3		091510	0.3	EPA608
Aroclor 1016	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1221	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1232	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1242	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1248	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1254	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1260	ug/L	< 0.065		091510	0.065	EPA608

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COLLECTED BY: Client DATE COL'D:09/10/10 RECEIVED:09/10/10
TIME COL'D:0945
MATRIX:Water SAMPLE: HP-101-U

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	TIME LRL	ANALYTICAL METHOD
Aluminum as Al	mg/L	< 0.05		092010	0.05	EPA200.7
Antimony as Sb	mg/L	< 0.025		092010	0.025	EPA200.7
Arsenic as As	mg/L	< 0.025		092010	0.025	EPA200.7
Barium as Ba	mg/L	0.11		092010	0.025	EPA200.7
Beryllium as Be	mg/L	< 0.005		092010	0.005	EPA200.7
Cadmium as Cd	mg/L	< 0.025		092010	0.025	EPA200.7
Calcium as Ca	mg/L	130		092010	1	EPA200.7
Chromium as Cr	mg/L	< 0.025		092010	0.025	EPA200.7
Cobalt as Co	mg/L	< 0.025		092010	0.025	EPA200.7
Copper as Cu	mg/L	< 0.05		092010	0.05	EPA200.7
Iron as Fe	mg/L	24		092010	0.05	EPA200.7
Lead as Pb	mg/L	< 0.025		092010	0.025	EPA200.7
Magnesium as Mg	mg/L	22		092010	0.025	EPA200.7
Manganese as Mn	mg/L	0.35		092010	0.05	EPA200.7
Mercury as Hg	mg/L	< 0.00025		091410	0.0002	EPA245.2
Nickel as Ni	mg/L	< 0.05		092010	0.05	EPA200.7
Potassium as K	mg/L	21		092010	5	EPA200.7
Selenium as Se	mg/L	< 0.05		092010	0.05	EPA200.7
Silver as Ag	mg/L	< 0.025		092010	0.025	EPA200.7
Sodium as Na	mg/L	600		092010	5	EPA200.7
Thallium as Tl	mg/L	< 0.025		092010	0.025	EPA200.7
Vanadium as V	mg/L	< 0.025		092010	0.025	EPA200.7
Zinc as Zn	mg/L	< 0.05		092010	0.05	EPA200.7
Boron as B	mg/L	0.4		092010	0.05	EPA200.7

cc:

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REMARKS:

NW
4/29/10 DIRECTOR

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TIME COL'D:0945
MATRIX:Water SAMPLE: HP-101-U

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Alkalinity tot CaCo3	mg/L	620		091510	20	S182320B
Ammonia as N	mg/L	8.6		091410	0.2	S204500NH3C
BOD5	mg/L	6		090910 1645	2	5210B
COD	mg/L	80		091610	40	EPA410.4
Chloride as Cl	mg/L	1000		091310	100	S184500C1B
Color units		30		091210 1328	5	SM182120B
Nitrate as N	mg/L	< 0.5		091310	0.5	EPA353.2
Phenols as Phenol	mg/L	< 0.001		091310	0.001	EPA420.1
Sulfate as SO4	mg/L	75		091410	50	AS D516-02
Tot Dissolved Solids	mg/L	2200		091310	100	S182540C
Tot. Kjeldahl N.	mg/L	10		091510	0.2	S204500NORB
Tot Organic Carbon	mg/L	5.7		091510	0.5	S185310C
Chromium hex as Cr	mg/L	< 0.02		091010 1700	0.02	3500CrB
Cyanide as CN	mg/L	< 0.02		091310	0.02	EPA335.4
Bromide as Br	mg/L	1.1	*	091710	0.5	EPA300.0
Hardness as CaCO3		410		092010	2.6	EPA200.7

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REMARKS: * Analysis performed by Summit Labs, NYID#11777.

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SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:09/10/10 RECEIVED:09/10/10
TIME COL'D:1117
MATRIX:Water SAMPLE: HP-101-D

ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1	091510	1	EPA8260
Chloromethane	ug/L	< 1	091510	1	EPA8260
Vinyl Chloride	ug/L	< 1	091510	1	EPA8260
Bromomethane	ug/L	< 1	091510	1	EPA8260
Chloroethane	ug/L	< 1	091510	1	EPA8260
Trichlorofluoromethane	ug/L	< 1	091510	1	EPA8260
1,1 Dichloroethene	ug/L	< 1	091510	1	EPA8260
Methylene Chloride	ug/L	< 1	091510	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1	091510	1	EPA8260
1,1 Dichloroethane	ug/L	< 1	091510	1	EPA8260
2,2-Dichloropropane	ug/L	< 1	091510	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1	091510	1	EPA8260
Bromochloromethane	ug/L	< 1	091510	1	EPA8260
Chloroform	ug/L	< 1	091510	1	EPA8260
111 Trichloroethane	ug/L	< 1	091510	1	EPA8260
Carbon Tetrachloride	ug/L	< 1	091510	1	EPA8260
1,1-Dichloropropene	ug/L	< 1	091510	1	EPA8260
Benzene	ug/L	< 1	091510	1	EPA8260
1,2 Dichloroethane	ug/L	< 1	091510	1	EPA8260
Trichloroethene	ug/L	< 1	091510	1	EPA8260
1,2 Dichloropropane	ug/L	< 1	091510	1	EPA8260
Dibromomethane	ug/L	< 1	091510	1	EPA8260
Bromodichloromethane	ug/L	< 1	091510	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1	091510	1	EPA8260
Toluene	ug/L	< 1	091510	1	EPA8260

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REMARKS:

hw
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t-1,3Dichloropropene	ug/L	< 1		091510	1	EPA8260
112 Trichloroethane	ug/L	< 1		091510	1	EPA8260
Tetrachloroethene	ug/L	< 1		091510	1	EPA8260
1,3-Dichloropropane	ug/L	< 1		091510	1	EPA8260
Chlorodibromomethane	ug/L	< 1		091510	1	EPA8260
1,2 Dibromoethane	ug/L	< 1		091510	1	EPA8260
Chlorobenzene	ug/L	< 1		091510	1	EPA8260
Ethyl Benzene	ug/L	< 1		091510	1	EPA8260
1112Tetrachloroethane	ug/L	< 1		091510	1	EPA8260
m + p Xylene	ug/L	< 2		091510	2	EPA8260
o Xylene	ug/L	< 1		091510	1	EPA8260
Styrene	ug/L	< 1		091510	1	EPA8260
Bromoform	ug/L	< 1		091510	1	EPA8260
Isopropylbenzene	ug/L	< 1		091510	1	EPA8260
Bromobenzene	ug/L	< 1		091510	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		091510	1	EPA8260
123-Trichloropropane	ug/L	< 1		091510	1	EPA8260
n-Propylbenzene	ug/L	< 1		091510	1	EPA8260
2-Chlorotoluene	ug/L	< 1		091510	1	EPA8260
135-Trimethylbenzene	ug/L	< 1		091510	1	EPA8260
4-Chlorotoluene	ug/L	< 1		091510	1	EPA8260
tert-Butylbenzene	ug/L	< 1		091510	1	EPA8260
124-Trimethylbenzene	ug/L	< 1		091510	1	EPA8260
sec-Butylbenzene	ug/L	< 1		091510	1	EPA8260
p-Isopropyltoluene	ug/L	< 1		091510	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

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

LAB NO.104206.02 10/04/10

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:09/10/10 RECEIVED:09/10/10
TIME COL'D:1117
MATRIX:Water SAMPLE: HP-101-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/L	< 1		091510	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		091510	1	EPA8260
n-Butylbenzene	ug/L	< 1		091510	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		091510	1	EPA8260
Dibromochloropropane	ug/L	< 1		091510	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		091510	1	EPA8260
Hexachlorobutadiene	ug/L	< 1		091510	1	EPA8260
Naphthalene(v)	ug/L	< 1		091510	1	EPA8260
123-Trichlorobenzene	ug/L	< 1		091510	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		091510	1	EPA8260
p-Ethyltoluene	ug/L	< 1		091510	1	EPA8260
Freon 113	ug/L	< 1		091510	1	EPA8260
1245 Tetramethylbenz	ug/L	< 1		091510	1	EPA8260
Acetone	ug/L	< 10		091510	10	EPA8260
Methyl Ethyl Ketone	ug/L	< 10		091510	10	EPA8260
Methylisobutylketone	ug/L	< 10		091510	10	EPA8260
Chlorodifluoromethane	ug/L	< 1		091510	1	EPA8260
p Diethylbenzene	ug/L	< 1		091510	1	EPA8260
Acrylonitrile	ug/L	< 5		091510	5	EPA8260
Carbon disulfide	ug/L	< 1		091510	1	EPA8260
2-Hexanone	ug/L	< 10		091510	10	EPA8260
Vinyl Acetate	ug/L	< 10		091510	10	EPA8260
t-1,4-Dichloro-2-butene	ug/L	< 1		091510	1	EPA8260

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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:09/10/10 RECEIVED:09/10/10
TIME COL'D:1117
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		091410	1	EPA8270
1,3 Dichlorobenzene(sv)	ug/L	< 1		091410	1	EPA8270
1,4 Dichlorobenzene(sv)	ug/L	< 1		091410	1	EPA8270
Carbazole	ug/L	< 1		091410	1	EPA8270
1,2 Dichlorobenzene(sv)	ug/L	< 1		091410	1	EPA8270
Bis(2-chloroisopropyl)ether	ug/L	< 1		091410	1	EPA8270
N-Nitrosodi-n-propylamine	ug/L	< 1		091410	1	EPA8270
Hexachloroethane	ug/L	< 1		091410	1	EPA8270
Nitrobenzene	ug/L	< 1		091410	1	EPA8270
Isophorone	ug/L	< 1		091410	1	EPA8270
Bis(2-chloroethoxy)methane	ug/L	< 1		091410	1	EPA8270
124-Trichlorobenzene (sv)	ug/L	< 1		091410	1	EPA8270
Naphthalene(sv)	ug/L	< 1		091410	1	EPA8270
4-Chloroaniline	ug/L	< 1		091410	1	EPA8270
Hexachlorobutadiene	ug/L	< 1		091410	1	EPA8270
2-Methylnaphthalene	ug/L	< 1		091410	1	EPA8270
Hexachlorocyclopentadiene	ug/L	< 10		091410	10	EPA8270
2-Chloronaphthalene	ug/L	< 1		091410	1	EPA8270
2-Nitroaniline	ug/L	< 1		091410	1	EPA8270
Dimethyl Phthalate	ug/L	< 1		091410	1	EPA8270
Acenaphthylene	ug/L	< 1		091410	1	EPA8270
2,6-Dinitrotoluene	ug/L	< 1		091410	1	EPA8270
3-Nitroaniline	ug/L	< 1		091410	1	EPA8270
Acenaphthene	ug/L	< 1		091410	1	EPA8270
Dibenzofuran	ug/L	< 1		091410	1	EPA8270

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LAB NO.104206.02 10/04/10

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:09/10/10 RECEIVED:09/10/10
TIME COL'D:1117
MATRIX:Water SAMPLE: HP-101-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/L	< 1		091410	1	EPA8270
Diethyl Phthalate	ug/L	< 1		091410	1	EPA8270
4-Chlorophenyl phenyl ether	ug/L	< 1		091410	1	EPA8270
Fluorene	ug/L	< 1		091410	1	EPA8270
4-Nitroaniline	ug/L	< 1		091410	1	EPA8270
N-Nitrosodiphenylamine	ug/L	< 1		091410	1	EPA8270
4-Bromophenyl phenyl ether	ug/L	< 1		091410	1	EPA8270
Hexachlorobenzene	ug/L	< 1		091410	1	EPA8270
Phenanthrene	ug/L	< 1		091410	1	EPA8270
Anthracene	ug/L	< 1		091410	1	EPA8270
Di-n-Butyl Phthalate	ug/L	1.6		091410	1	EPA8270
Fluoranthene	ug/L	< 1		091410	1	EPA8270
Pyrene	ug/L	< 1		091410	1	EPA8270
BenzylButylPhthalate	ug/L	< 1		091410	1	EPA8270
3,3'-Dichlorobenzidine	ug/L	< 10		091410	10	EPA8270
Benzo(a)anthracene	ug/L	< 1		091410	1	EPA8270

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REMARKS:

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rn = 23925 NYSDOH ID # 10320 Page 5 of 11

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LAB NO.104206.02 10/04/10

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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:09/10/10 RECEIVED:09/10/10
TIME COL'D:1117
MATRIX:Water SAMPLE: HP-101-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/L	< 1		091410	1	EPA8270
Bis(2-ethylhexyl)phthalate	ug/L	16 u	#	091410	1	EPA8270
Di-n-octyl Phthalate	ug/L	< 1		091410	1	EPA8270
Benzo(b)fluoranthene	ug/L	< 1		091410	1	EPA8270
Benzo(k)fluoranthene	ug/L	< 1		091410	1	EPA8270
Benzo(a)pyrene	ug/L	< 1		091410	1	EPA8270
Indeno(1,2,3-cd)pyrene	ug/L	< 1		091410	1	EPA8270
Dibenzo(a,h)anthracene	ug/L	< 1		091410	1	EPA8270
Benzo(ghi)perylene	ug/L	< 1		091410	1	EPA8270

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REMARKS: #Method blank contains 2.1 ug/L of Bis(2-ethylhexyl) phthalate.

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SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:09/10/10 RECEIVED:09/10/10
TIME COL'D:1117
MATRIX:Water SAMPLE: HP-101-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/L	< 1		091410	1	EPA8270
2-Chlorophenol	ug/L	< 1		091410	1	EPA8270
2-Methylphenol (o-cresol)	ug/L	< 1		091410	1	EPA8270
4-Methylphenol (p-cresol)	ug/L	< 1		091410	1	EPA8270
2-Nitrophenol	ug/L	< 1		091410	1	EPA8270
2,4-Dimethylphenol	ug/L	< 1		091410	1	EPA8270
2,4-Dichlorophenol	ug/L	< 1		091410	1	EPA8270
4-Chloro-3-methylphenol	ug/L	< 1		091410	1	EPA8270
2,4,6-Trichlorophenol	ug/L	< 1		091410	1	EPA8270
2,4,5-Trichlorophenol	ug/L	< 1		091410	1	EPA8270
2,4-Dinitrophenol	ug/L	< 10		091410	10	EPA8270
4-Nitrophenol	ug/L	< 10		091410	10	EPA8270
2-Methyl-4,6-dinitrophenol	ug/L	< 10		091410	10	EPA8270
Pentachlorophenol (ms)	ug/L	< 10		091410	10	EPA8270

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REMARKS:

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SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:09/10/10 RECEIVED:09/10/10
TIME COL'D:1117
MATRIX:Water SAMPLE: HP-101-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/L	< 0.05		091510	0.05	EPA608
Heptachlor	ug/L	< 0.05		091510	0.05	EPA608
Aldrin	ug/L	< 0.05		091510	0.05	EPA608
Heptachlor Epoxide	ug/L	< 0.05		091510	0.05	EPA608
p,p-DDE	ug/L	< 0.05		091510	0.05	EPA608
Dieldrin	ug/L	< 0.05		091510	0.05	EPA608
Endrin	ug/L	< 0.05		091510	0.05	EPA608
p,p-DDD	ug/L	< 0.05		091510	0.05	EPA608
p,p-DDT	ug/L	< 0.1		091510	0.1	EPA608
Chlordane	ug/L	< 0.2		091510	0.2	EPA608
Toxaphene	ug/L	< 1		091510	1	EPA608
Endrin Ketone	ug/L	< 0.1		091510	0.1	EPA608
a BHC	ug/L	< 0.05		091510	0.05	EPA608
b BHC	ug/L	< 0.05		091510	0.05	EPA608
d BHC	ug/L	< 0.05		091510	0.05	EPA608
Endosulfan 1	ug/L	< 0.1		091510	0.1	EPA608

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REMARKS:

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11/29/10 DIRECTOR

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ATTN: Vincent G. Pelusio PO#:30-019

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SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:09/10/10 RECEIVED:09/10/10
TIME COL'D:1117
MATRIX:Water SAMPLE: HP-101-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Endosulfan 2	ug/L	< 0.1		091510	0.1	EPA608
Endosulfan Sulfate	ug/L	< 0.3		091510	0.3	EPA608
Methoxychlor	ug/L	< 0.1		091510	0.1	EPA608
Endrin Aldehyde	ug/L	< 0.3		091510	0.3	EPA608
Aroclor 1016	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1221	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1232	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1242	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1248	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1254	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1260	ug/L	< 0.065		091510	0.065	EPA608

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SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:09/10/10 RECEIVED:09/10/10
TIME COL'D:1117
MATRIX:Water SAMPLE: HP-101-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/L	0.11		092010	0.05	EPA200.7
Antimony as Sb	mg/L	< 0.025		092010	0.025	EPA200.7
Arsenic as As	mg/L	< 0.025		092010	0.025	EPA200.7
Barium as Ba	mg/L	0.15		092010	0.025	EPA200.7
Beryllium as Be	mg/L	< 0.005		092010	0.005	EPA200.7
Cadmium as Cd	mg/L	< 0.025		092010	0.025	EPA200.7
Calcium as Ca	mg/L	220		092010	1	EPA200.7
Chromium as Cr	mg/L	< 0.025		092010	0.025	EPA200.7
Cobalt as Co	mg/L	< 0.025		092010	0.025	EPA200.7
Copper as Cu	mg/L	< 0.05		092010	0.05	EPA200.7
Iron as Fe	mg/L	1.2		092010	0.05	EPA200.7
Lead as Pb	mg/L	< 0.025		092010	0.025	EPA200.7
Magnesium as Mg	mg/L	220		092010	0.025	EPA200.7
Manganese as Mn	mg/L	0.27		092010	0.05	EPA200.7
Mercury as Hg	mg/L	< 0.00025		091410	0.0002	EPA245.2
Nickel as Ni	mg/L	< 0.05		092010	0.05	EPA200.7
Potassium as K	mg/L	290		092110	50	EPA200.7
Selenium as Se	mg/L	< 0.05		092010	0.05	EPA200.7
Silver as Ag	mg/L	< 0.025		092010	0.025	EPA200.7
Sodium as Na	mg/L	17000		091710	500	EPA200.7
Thallium as Tl	mg/L	< 0.025		092010	0.025	EPA200.7
Vanadium as V	mg/L	< 0.025		092010	0.025	EPA200.7
Zinc as Zn	mg/L	< 0.05		092010	0.05	EPA200.7
Boron as B	mg/L	1.8		092010	0.05	EPA200.7

cc:

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REMARKS:

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11/29/10 DIRECTOR

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SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:09/10/10 RECEIVED:09/10/10
TIME COL'D:1117
MATRIX:Water SAMPLE: HP-101-D

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Alkalinity tot CaCo3	mg/L	1000		091510	20	S182320B
Ammonia as N	mg/L	24		091410	0.2	S204500NH3C
BOD5	mg/L	7.3		090910 1645	2	5210B
COD	mg/L	2200		091610	800	EPA410.4
Chloride as Cl	mg/L	28000		091310	400	S184500C1B
Color units		50		091210 1330	10	SM182120B
Nitrate as N	mg/L	< 0.5		091310	0.5	EPA353.2
Phenols as Phenol	mg/L	< 0.001		091310	0.001	EPA420.1
Sulfate as SO4	mg/L	680		091410	250	AS D516-02
Tot Dissolved Solids	mg/L	46000		091310	100	S182540C
Tot. Kjeldahl N.	mg/L	25		091510	0.2	S204500NORB
Tot Organic Carbon	mg/L	3.8		091510	0.5	S185310C
Chromium hex as Cr	mg/L	< 0.02		091010 1700	0.02	3500CrB
Cyanide as CN	mg/L	< 0.02		091310	0.02	EPA335.4
Bromide as Br	mg/L	43	*	092210	0.5	EPA300.0
Hardness as CaCO3		1500		092010	2.6	EPA200.7

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REMARKS: * Analysis performed by Summit Labs, NYID#11777.

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11/29/10 DIRECTOR

rn = 23931 NYSDOH ID # 10320 Page 11 of 11

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

SOURCE OF SAMPLE: Pennsylvania Avenue Landfill, #200903
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:09/10/10 RECEIVED:09/10/10
TIME COL'D:1438
MATRIX:Water SAMPLE: HP-318

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		091510	1	EPA8260
Chloromethane	ug/L	< 1		091510	1	EPA8260
Vinyl Chloride	ug/L	< 1		091510	1	EPA8260
Bromomethane	ug/L	< 1		091510	1	EPA8260
Chloroethane	ug/L	< 1		091510	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		091510	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		091510	1	EPA8260
Methylene Chloride	ug/L	< 1		091510	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		091510	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		091510	1	EPA8260
2,2-Dichloropropane	ug/L	< 1		091510	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		091510	1	EPA8260
Bromochloromethane	ug/L	< 1		091510	1	EPA8260
Chloroform	ug/L	< 1		091510	1	EPA8260
111 Trichloroethane	ug/L	< 1		091510	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		091510	1	EPA8260
1,1-Dichloropropene	ug/L	< 1		091510	1	EPA8260
Benzene	ug/L	< 1		091510	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		091510	1	EPA8260
Trichloroethene	ug/L	< 1		091510	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		091510	1	EPA8260
Dibromomethane	ug/L	< 1		091510	1	EPA8260
Bromodichloromethane	ug/L	< 1		091510	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		091510	1	EPA8260
Toluene	ug/L	< 1		091510	1	EPA8260

cc:

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REMARKS:

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

LAB NO.104206.03 10/04/10

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:09/10/10 RECEIVED:09/10/10
TIME COL'D:1438
MATRIX:Water SAMPLE: HP-318

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/L	< 1		091510	1	EPA8260
112 Trichloroethane	ug/L	< 1		091510	1	EPA8260
Tetrachloroethene	ug/L	< 1		091510	1	EPA8260
1,3-Dichloropropane	ug/L	< 1		091510	1	EPA8260
Chlorodibromomethane	ug/L	< 1		091510	1	EPA8260
1,2 Dibromoethane	ug/L	< 1		091510	1	EPA8260
Chlorobenzene	ug/L	14		091510	1	EPA8260
Ethyl Benzene	ug/L	< 1		091510	1	EPA8260
1112Tetrachloroethane	ug/L	< 1		091510	1	EPA8260
m + p Xylene	ug/L	< 2		091510	2	EPA8260
o Xylene	ug/L	< 1		091510	1	EPA8260
Styrene	ug/L	< 1		091510	1	EPA8260
Bromoform	ug/L	< 1		091510	1	EPA8260
Isopropylbenzene	ug/L	1		091510	1	EPA8260
Bromobenzene	ug/L	< 1		091510	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		091510	1	EPA8260
123-Trichloropropane	ug/L	< 1		091510	1	EPA8260
n-Propylbenzene	ug/L	< 1		091510	1	EPA8260
2-Chlorotoluene	ug/L	< 1		091510	1	EPA8260
135-Trimethylbenzene	ug/L	< 1		091510	1	EPA8260
4-Chlorotoluene	ug/L	< 1		091510	1	EPA8260
tert-Butylbenzene	ug/L	< 1		091510	1	EPA8260
124-Trimethylbenzene	ug/L	< 1		091510	1	EPA8260
sec-Butylbenzene	ug/L	< 1		091510	1	EPA8260
p-Isopropyltoluene	ug/L	< 1		091510	1	EPA8260

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ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/L	< 1		091510	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	1		091510	1	EPA8260
n-Butylbenzene	ug/L	< 1		091510	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		091510	1	EPA8260
Dibromochloropropane	ug/L	< 1		091510	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		091510	1	EPA8260
Hexachlorobutadiene	ug/L	< 1		091510	1	EPA8260
Naphthalene(v)	ug/L	< 1		091510	1	EPA8260
123-Trichlorobenzene	ug/L	< 1		091510	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		091510	1	EPA8260
p-Ethyltoluene	ug/L	< 1		091510	1	EPA8260
Freon 113	ug/L	< 1		091510	1	EPA8260
1245 Tetramethylbenz	ug/L	1		091510	1	EPA8260
Acetone	ug/L	< 10		091510	10	EPA8260
Methyl Ethyl Ketone	ug/L	< 10		091510	10	EPA8260
Methylisobutylketone	ug/L	< 10		091510	10	EPA8260
Chlorodifluoromethane	ug/L	< 1		091510	1	EPA8260
p Diethylbenzene	ug/L	< 1		091510	1	EPA8260
Acrylonitrile	ug/L	< 5		091510	5	EPA8260
Carbon disulfide	ug/L	< 1		091510	1	EPA8260
2-Hexanone	ug/L	< 10		091510	10	EPA8260
Vinyl Acetate	ug/L	< 10		091510	10	EPA8260
t-1,4-Dichloro-2-butene	ug/L	< 1		091510	1	EPA8260

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REMARKS:

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ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/L	< 1		091410	1	EPA8270
1,3 Dichlorobenzene(sv)	ug/L	< 1		091410	1	EPA8270
1,4 Dichlorobenzene(sv)	ug/L	< 1		091410	1	EPA8270
Carbazole	ug/L	< 1		091410	1	EPA8270
1,2 Dichlorobenzene(sv)	ug/L	< 1		091410	1	EPA8270
Bis(2-chloroisopropyl)ether	ug/L	< 1		091410	1	EPA8270
N-Nitrosodi-n-propylamine	ug/L	< 1		091410	1	EPA8270
Hexachloroethane	ug/L	< 1		091410	1	EPA8270
Nitrobenzene	ug/L	< 1		091410	1	EPA8270
Isophorone	ug/L	< 1		091410	1	EPA8270
Bis(2-chloroethoxy)methane	ug/L	< 1		091410	1	EPA8270
124-Trichlorobenzene (sv)	ug/L	< 1		091410	1	EPA8270
Naphthalene(sv)	ug/L	< 1		091410	1	EPA8270
4-Chloroaniline	ug/L	< 1		091410	1	EPA8270
Hexachlorobutadiene	ug/L	< 1		091410	1	EPA8270
2-Methylnaphthalene	ug/L	< 1		091410	1	EPA8270
Hexachlorocyclopentadiene	ug/L	< 10		091410	10	EPA8270
2-Chloronaphthalene	ug/L	< 1		091410	1	EPA8270
2-Nitroaniline	ug/L	< 1		091410	1	EPA8270
Dimethyl Phthalate	ug/L	< 1		091410	1	EPA8270
Acenaphthylene	ug/L	< 1		091410	1	EPA8270
2,6-Dinitrotoluene	ug/L	< 1		091410	1	EPA8270
3-Nitroaniline	ug/L	< 1		091410	1	EPA8270
Acenaphthene	ug/L	4.1		091410	1	EPA8270
Dibenzofuran	ug/L	1.8		091410	1	EPA8270

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ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/L	< 1		091410	1	EPA8270
Diethyl Phthalate	ug/L	< 1		091410	1	EPA8270
4-Chlorophenyl phenyl ether	ug/L	< 1		091410	1	EPA8270
Fluorene	ug/L	1		091410	1	EPA8270
4-Nitroaniline	ug/L	< 1		091410	1	EPA8270
N-Nitrosodiphenylamine	ug/L	< 1		091410	1	EPA8270
4-Bromophenyl phenyl ether	ug/L	< 1		091410	1	EPA8270
Hexachlorobenzene	ug/L	< 1		091410	1	EPA8270
Phenanthrene	ug/L	< 1		091410	1	EPA8270
Anthracene	ug/L	< 1		091410	1	EPA8270
Di-n-Butyl Phthalate	ug/L	2.3		091410	1	EPA8270
Fluoranthene	ug/L	< 1		091410	1	EPA8270
Pyrene	ug/L	< 1		091410	1	EPA8270
BenzylButylPhthalate	ug/L	< 1		091410	1	EPA8270
3,3'-Dichlorobenzidine	ug/L	< 10		091410	10	EPA8270
Benzo(a)anthracene	ug/L	< 1		091410	1	EPA8270

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ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/L	< 1		091410	1	EPA8270
Bis(2-ethylhexyl)phthalate	ug/L	26 U	#	091410	1	EPA8270
Di-n-octyl Phthalate	ug/L	1.3		091410	1	EPA8270
Benzo(b)fluoranthene	ug/L	< 1		091410	1	EPA8270
Benzo(k)fluoranthene	ug/L	< 1		091410	1	EPA8270
Benzo(a)pyrene	ug/L	< 1		091410	1	EPA8270
Indeno(1,2,3-cd)pyrene	ug/L	< 1		091410	1	EPA8270
Dibenzo(a,h)anthracene	ug/L	< 1		091410	1	EPA8270
Benzo(ghi)perylene	ug/L	< 1		091410	1	EPA8270

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REMARKS: #Method blank contains 2.1 ug/L of Bis(2-ethylhexyl) phthalate.

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ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/L	< 1		091410	1	EPA8270
2-Chlorophenol	ug/L	< 1		091410	1	EPA8270
2-Methylphenol (o-cresol)	ug/L	< 1		091410	1	EPA8270
4-Methylphenol (p-cresol)	ug/L	< 1		091410	1	EPA8270
2-Nitrophenol	ug/L	< 1		091410	1	EPA8270
2,4-Dimethylphenol	ug/L	< 1		091410	1	EPA8270
2,4-Dichlorophenol	ug/L	< 1		091410	1	EPA8270
4-Chloro-3-methylphenol	ug/L	< 1		091410	1	EPA8270
2,4,6-Trichlorophenol	ug/L	< 1		091410	1	EPA8270
2,4,5-Trichlorophenol	ug/L	< 1		091410	1	EPA8270
2,4-Dinitrophenol	ug/L	< 10		091410	10	EPA8270
4-Nitrophenol	ug/L	< 10		091410	10	EPA8270
2-Methyl-4,6-dinitrophenol	ug/L	< 10		091410	10	EPA8270
Pentachlorophenol (ms)	ug/L	< 10		091410	10	EPA8270

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ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/L	< 0.05		091510	0.05	EPA608
Heptachlor	ug/L	< 0.05		091510	0.05	EPA608
Aldrin	ug/L	< 0.05		091510	0.05	EPA608
Heptachlor Epoxide	ug/L	< 0.05		091510	0.05	EPA608
p,p-DDE	ug/L	< 0.05		091510	0.05	EPA608
Dieldrin	ug/L	< 0.05		091510	0.05	EPA608
Endrin	ug/L	< 0.05		091510	0.05	EPA608
p,p-DDD	ug/L	< 0.05		091510	0.05	EPA608
p,p-DDT	ug/L	< 0.1		091510	0.1	EPA608
Chlordane	ug/L	< 0.2		091510	0.2	EPA608
Toxaphene	ug/L	< 1		091510	1	EPA608
Endrin Ketone	ug/L	< 0.1		091510	0.1	EPA608
a BHC	ug/L	< 0.05		091510	0.05	EPA608
b BHC	ug/L	< 0.05		091510	0.05	EPA608
d BHC	ug/L	< 0.05		091510	0.05	EPA608
Endosulfan 1	ug/L	< 0.1		091510	0.1	EPA608

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Endosulfan 2	ug/L	< 0.1		091510	0.1	EPA608
Endosulfan Sulfate	ug/L	< 0.3		091510	0.3	EPA608
Methoxychlor	ug/L	< 0.1		091510	0.1	EPA608
Endrin Aldehyde	ug/L	< 0.3		091510	0.3	EPA608
Aroclor 1016	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1221	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1232	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1242	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1248	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1254	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1260	ug/L	< 0.065		091510	0.065	EPA608

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ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/L	0.13		092010	0.05	EPA200.7
Antimony as Sb	mg/L	< 0.025		092010	0.025	EPA200.7
Arsenic as As	mg/L	< 0.025		092010	0.025	EPA200.7
Barium as Ba	mg/L	0.066		092010	0.025	EPA200.7
Beryllium as Be	mg/L	< 0.005		092010	0.005	EPA200.7
Cadmium as Cd	mg/L	< 0.025		092010	0.025	EPA200.7
Calcium as Ca	mg/L	230		092010	1	EPA200.7
Chromium as Cr	mg/L	< 0.025		092010	0.025	EPA200.7
Cobalt as Co	mg/L	< 0.025		092010	0.025	EPA200.7
Copper as Cu	mg/L	< 0.05		092010	0.05	EPA200.7
Iron as Fe	mg/L	15		092010	0.05	EPA200.7
Lead as Pb	mg/L	< 0.025		092010	0.025	EPA200.7
Magnesium as Mg	mg/L	47		092010	0.025	EPA200.7
Manganese as Mn	mg/L	0.57		092010	0.05	EPA200.7
Mercury as Hg	mg/L	< 0.00025		091410	0.0002	EPA245.2
Nickel as Ni	mg/L	< 0.05		092010	0.05	EPA200.7
Potassium as K	mg/L	40		092010	5	EPA200.7
Selenium as Se	mg/L	< 0.05		092010	0.05	EPA200.7
Silver as Ag	mg/L	< 0.025		092010	0.025	EPA200.7
Sodium as Na	mg/L	380		092010	5	EPA200.7
Thallium as Tl	mg/L	< 0.025		092010	0.025	EPA200.7
Vanadium as V	mg/L	< 0.025		092010	0.025	EPA200.7
Zinc as Zn	mg/L	< 0.05		092010	0.05	EPA200.7
Boron as B	mg/L	0.68		092010	0.05	EPA200.7

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REMARKS:

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ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Alkalinity tot CaCo3	mg/L	520		091510	20	S182320B
Ammonia as N	mg/L	26		091410	0.2	S204500NH3C
BOD5	mg/L	4.6		090910 1645	2	5210B
COD	mg/L	160		091610	40	EPA410.4
Chloride as Cl	mg/L	930		091310	20	S184500C1B
Color units		20		091210 1335	5	SM182120B
Nitrate as N	mg/L	< 0.5		091310	0.5	EPA353.2
Phenols as Phenol	mg/L	< 0.001		091310	0.001	EPA420.1
Sulfate as SO4	mg/L	9		091410	5	AS D516-02
Tot Dissolved Solids	mg/L	2500		091310	100	S182540C
Tot. Kjeldahl N.	mg/L	28		091510	0.2	S204500NORB
Tot Organic Carbon	mg/L	4.1		091510	0.5	S185310C
Chromium hex as Cr	mg/L	< 0.02		091010 1700	0.02	3500CrB
Cyanide as CN	mg/L	< 0.02		091310	0.02	EPA335.4
Bromide as Br	mg/L	1.3	*	091710	0.5	EPA300.0
Hardness as CaCO3		770		092010	2.6	EPA200.7

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REMARKS: * Analysis performed by Summit Labs, NYID#11777.

4/29/10 DIRECTOR

rn = 23942 NYSDOH ID # 10320 Page 11 of 11

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTIN(*

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

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

LAB NO.104206.04 10/04/10

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:09/10/10 RECEIVED:09/10/10
TIME COL'D:1030
MATRIX:Water SAMPLE: Field Blank

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		091510	1	EPA8260
Chloromethane	ug/L	< 1		091510	1	EPA8260
Vinyl Chloride	ug/L	< 1		091510	1	EPA8260
Bromomethane	ug/L	< 1		091510	1	EPA8260
Chloroethane	ug/L	< 1		091510	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		091510	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		091510	1	EPA8260
Methylene Chloride	ug/L	< 1		091510	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		091510	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		091510	1	EPA8260
2,2-Dichloropropane	ug/L	< 1		091510	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		091510	1	EPA8260
Bromochloromethane	ug/L	< 1		091510	1	EPA8260
Chloroform	ug/L	< 1		091510	1	EPA8260
111 Trichloroethane	ug/L	< 1		091510	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		091510	1	EPA8260
1,1-Dichloropropene	ug/L	< 1		091510	1	EPA8260
Benzene	ug/L	< 1		091510	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		091510	1	EPA8260
Trichloroethene	ug/L	< 1		091510	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		091510	1	EPA8260
Dibromomethane	ug/L	< 1		091510	1	EPA8260
Bromodichloromethane	ug/L	< 1		091510	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		091510	1	EPA8260
Toluene	ug/L	< 1		091510	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

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rn = 23943 NYSDOH ID # 10320 Page 1 of 11

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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LAB NO.104206.04 10/04/10

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

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MATRIX:Water SAMPLE: Field Blank

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/L	< 1		091510	1	EPA8260
112 Trichloroethane	ug/L	< 1		091510	1	EPA8260
Tetrachloroethene	ug/L	< 1		091510	1	EPA8260
1,3-Dichloropropane	ug/L	< 1		091510	1	EPA8260
Chlorodibromomethane	ug/L	< 1		091510	1	EPA8260
1,2 Dibromoethane	ug/L	< 1		091510	1	EPA8260
Chlorobenzene	ug/L	< 1		091510	1	EPA8260
Ethyl Benzene	ug/L	< 1		091510	1	EPA8260
1112Tetrachloroethane	ug/L	< 1		091510	1	EPA8260
m + p Xylene	ug/L	< 2		091510	2	EPA8260
o Xylene	ug/L	< 1		091510	1	EPA8260
Styrene	ug/L	< 1		091510	1	EPA8260
Bromoform	ug/L	< 1		091510	1	EPA8260
Isopropylbenzene	ug/L	< 1		091510	1	EPA8260
Bromobenzene	ug/L	< 1		091510	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		091510	1	EPA8260
123-Trichloropropane	ug/L	< 1		091510	1	EPA8260
n-Propylbenzene	ug/L	< 1		091510	1	EPA8260
2-Chlorotoluene	ug/L	< 1		091510	1	EPA8260
135-Trimethylbenzene	ug/L	< 1		091510	1	EPA8260
4-Chlorotoluene	ug/L	< 1		091510	1	EPA8260
tert-Butylbenzene	ug/L	< 1		091510	1	EPA8260
124-Trimethylbenzene	ug/L	< 1		091510	1	EPA8260
sec-Butylbenzene	ug/L	< 1		091510	1	EPA8260
p-Isopropyltoluene	ug/L	< 1		091510	1	EPA8260

cc:

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REMARKS:

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1,3 Dichlorobenzene (v)	ug/L	< 1		091510	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		091510	1	EPA8260
n-Butylbenzene	ug/L	< 1		091510	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		091510	1	EPA8260
Dibromochloropropane	ug/L	< 1		091510	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		091510	1	EPA8260
Hexachlorobutadiene	ug/L	< 1		091510	1	EPA8260
Naphthalene(v)	ug/L	< 1		091510	1	EPA8260
123-Trichlorobenzene	ug/L	< 1		091510	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		091510	1	EPA8260
p-Ethyltoluene	ug/L	< 1		091510	1	EPA8260
Freon 113	ug/L	< 1		091510	1	EPA8260
1245 Tetramethylbenz	ug/L	< 1		091510	1	EPA8260
Acetone	ug/L	< 10		091510	10	EPA8260
Methyl Ethyl Ketone	ug/L	< 10		091510	10	EPA8260
Methylisobutylketone	ug/L	< 10		091510	10	EPA8260
Chlorodifluoromethane	ug/L	< 1		091510	1	EPA8260
p Diethylbenzene	ug/L	< 1		091510	1	EPA8260
Acrylonitrile	ug/L	< 5		091510	5	EPA8260
Carbon disulfide	ug/L	< 1		091510	1	EPA8260
2-Hexanone	ug/L	< 10		091510	10	EPA8260
Vinyl Acetate	ug/L	< 10		091510	10	EPA8260
t-1,4-Dichloro-2-butene	ug/L	< 1		091510	1	EPA8260

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ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/L	< 1		091410	1	EPA8270
1,3 Dichlorobenzene(sv)	ug/L	< 1		091410	1	EPA8270
1,4 Dichlorobenzene(sv)	ug/L	< 1		091410	1	EPA8270
Carbazole	ug/L	< 1		091410	1	EPA8270
1,2 Dichlorobenzene(sv)	ug/L	< 1		091410	1	EPA8270
Bis(2-chloroisopropyl)ether	ug/L	< 1		091410	1	EPA8270
N-Nitrosodi-n-propylamine	ug/L	< 1		091410	1	EPA8270
Hexachloroethane	ug/L	< 1		091410	1	EPA8270
Nitrobenzene	ug/L	< 1		091410	1	EPA8270
Isophorone	ug/L	< 1		091410	1	EPA8270
Bis(2-chloroethoxy)methane	ug/L	< 1		091410	1	EPA8270
124-Trichlorobenzene (sv)	ug/L	< 1		091410	1	EPA8270
Naphthalene(sv)	ug/L	< 1		091410	1	EPA8270
4-Chloroaniline	ug/L	< 1		091410	1	EPA8270
Hexachlorobutadiene	ug/L	< 1		091410	1	EPA8270
2-Methylnaphthalene	ug/L	< 1		091410	1	EPA8270
Hexachlorocyclopentadiene	ug/L	< 10		091410	10	EPA8270
2-Chloronaphthalene	ug/L	< 1		091410	1	EPA8270
2-Nitroaniline	ug/L	< 1		091410	1	EPA8270
Dimethyl Phthalate	ug/L	< 1		091410	1	EPA8270
Acenaphthylene	ug/L	< 1		091410	1	EPA8270
2,6-Dinitrotoluene	ug/L	< 1		091410	1	EPA8270
3-Nitroaniline	ug/L	< 1		091410	1	EPA8270
Acenaphthene	ug/L	< 1		091410	1	EPA8270
Dibenzofuran	ug/L	< 1		091410	1	EPA8270

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LAB NO.104206.04 10/04/10

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7 Corporate Drive
Peekskill, NY 10566
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ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/L	< 1		091410	1	EPA8270
Diethyl Phthalate	ug/L	< 1		091410	1	EPA8270
4-Chlorophenyl phenyl ether	ug/L	< 1		091410	1	EPA8270
Fluorene	ug/L	< 1		091410	1	EPA8270
4-Nitroaniline	ug/L	< 1		091410	1	EPA8270
N-Nitrosodiphenylamine	ug/L	< 1		091410	1	EPA8270
4-Bromophenyl phenyl ether	ug/L	< 1		091410	1	EPA8270
Hexachlorobenzene	ug/L	< 1		091410	1	EPA8270
Phenanthrene	ug/L	< 1		091410	1	EPA8270
Anthracene	ug/L	< 1		091410	1	EPA8270
Di-n-Butyl Phthalate	ug/L	< 1		091410	1	EPA8270
Fluoranthene	ug/L	< 1		091410	1	EPA8270
Pyrene	ug/L	< 1		091410	1	EPA8270
BenzylButylPhthalate	ug/L	< 1		091410	1	EPA8270
3,3'-Dichlorobenzidine	ug/L	< 10		091410	10	EPA8270
Benzo(a)anthracene	ug/L	< 1		091410	1	EPA8270

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ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/L	< 1		091410	1	EPA8270
Bis(2-ethylhexyl)phthalate	ug/L	5.8 u	#	091410	1	EPA8270
Di-n-octyl Phthalate	ug/L	< 1		091410	1	EPA8270
Benzo(b)fluoranthene	ug/L	< 1		091410	1	EPA8270
Benzo(k)fluoranthene	ug/L	< 1		091410	1	EPA8270
Benzo(a)pyrene	ug/L	< 1		091410	1	EPA8270
Indeno(1,2,3-cd)pyrene	ug/L	< 1		091410	1	EPA8270
Dibenzo(a,h)anthracene	ug/L	< 1		091410	1	EPA8270
Benzo(ghi)perylene	ug/L	< 1		091410	1	EPA8270

cc:

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REMARKS: #Method blank contains 2.1 ug/L of Bis(2-ethylhexyl) phthalate.

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ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/L	< 1		091410	1	EPA8270
2-Chlorophenol	ug/L	< 1		091410	1	EPA8270
2-Methylphenol (o-cresol)	ug/L	< 1		091410	1	EPA8270
4-Methylphenol (p-cresol)	ug/L	< 1		091410	1	EPA8270
2-Nitrophenol	ug/L	< 1		091410	1	EPA8270
2,4-Dimethylphenol	ug/L	< 1		091410	1	EPA8270
2,4-Dichlorophenol	ug/L	< 1		091410	1	EPA8270
4-Chloro-3-methylphenol	ug/L	< 1		091410	1	EPA8270
2,4,6-Trichlorophenol	ug/L	< 1		091410	1	EPA8270
2,4,5-Trichlorophenol	ug/L	< 1		091410	1	EPA8270
2,4-Dinitrophenol	ug/L	< 10		091410	10	EPA8270
4-Nitrophenol	ug/L	< 10		091410	10	EPA8270
2-Methyl-4,6-dinitrophenol	ug/L	< 10		091410	10	EPA8270
Pentachlorophenol (ms)	ug/L	< 10		091410	10	EPA8270

cc:

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REMARKS:

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rn = 23949 NYSDOH ID # 10320 Page 7 of 11

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ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/L	< 0.05		091510	0.05	EPA608
Heptachlor	ug/L	< 0.05		091510	0.05	EPA608
Aldrin	ug/L	< 0.05		091510	0.05	EPA608
Heptachlor Epoxide	ug/L	< 0.05		091510	0.05	EPA608
p,p-DDE	ug/L	< 0.05		091510	0.05	EPA608
Dieldrin	ug/L	< 0.05		091510	0.05	EPA608
Endrin	ug/L	< 0.05		091510	0.05	EPA608
p,p-DDD	ug/L	< 0.05		091510	0.05	EPA608
p,p-DDT	ug/L	< 0.1		091510	0.1	EPA608
Chlordane	ug/L	< 0.2		091510	0.2	EPA608
Toxaphene	ug/L	< 1		091510	1	EPA608
Endrin Ketone	ug/L	< 0.1		091510	0.1	EPA608
a BHC	ug/L	< 0.05		091510	0.05	EPA608
b BHC	ug/L	< 0.05		091510	0.05	EPA608
d BHC	ug/L	< 0.05		091510	0.05	EPA608
Endosulfan 1	ug/L	< 0.1		091510	0.1	EPA608

cc:

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Endosulfan 2	ug/L	< 0.1		091510	0.1	EPA608
Endosulfan Sulfate	ug/L	< 0.3		091510	0.3	EPA608
Methoxychlor	ug/L	< 0.1		091510	0.1	EPA608
Endrin Aldehyde	ug/L	< 0.3		091510	0.3	EPA608
Aroclor 1016	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1221	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1232	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1242	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1248	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1254	ug/L	< 0.065		091510	0.065	EPA608
Aroclor 1260	ug/L	< 0.065		091510	0.065	EPA608

cc:

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REMARKS:

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rn = 23951 NYSDOH ID # 10320 Page 9 of 11

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ANALYTICAL PARAMETERS	UNITS	RESULT	DATE TIME FLAG OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/L	0.01	092010	0.01	EPA200.7
Antimony as Sb	mg/L	< 0.005	092010	0.005	EPA200.7
Arsenic as As	mg/L	< 0.005	092010	0.005	EPA200.7
Barium as Ba	mg/L	< 0.005	092010	0.005	EPA200.7
Beryllium as Be	mg/L	< 0.001	092010	0.001	EPA200.7
Cadmium as Cd	mg/L	< 0.005	092010	0.005	EPA200.7
Calcium as Ca	mg/L	0.21	092010	0.2	EPA200.7
Chromium as Cr	mg/L	< 0.005	092010	0.005	EPA200.7
Cobalt as Co	mg/L	< 0.005	092010	0.005	EPA200.7
Copper as Cu	mg/L	< 0.01	092010	0.01	EPA200.7
Iron as Fe	mg/L	< 0.01	092010	0.01	EPA200.7
Lead as Pb	mg/L	< 0.005	092010	0.005	EPA200.7
Magnesium as Mg	mg/L	0.009	092010	0.005	EPA200.7
Manganese as Mn	mg/L	< 0.01	092010	0.01	EPA200.7
Mercury as Hg	mg/L	< 0.00025	091410	0.0002	EPA245.2
Nickel as Ni	mg/L	< 0.01	092010	0.01	EPA200.7
Potassium as K	mg/L	< 1	092010	1	EPA200.7
Selenium as Se	mg/L	< 0.01	092010	0.01	EPA200.7
Silver as Ag	mg/L	< 0.005	092010	0.005	EPA200.7
Sodium as Na	mg/L	< 1	092010	1	EPA200.7
Thallium as Tl	mg/L	< 0.005	092010	0.005	EPA200.7
Vanadium as V	mg/L	< 0.005	092010	0.005	EPA200.7
Zinc as Zn	mg/L	0.02	092010	0.01	EPA200.7
Boron as B	mg/L	< 0.01	092010	0.01	EPA200.7

cc:

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REMARKS:

11/29/10 DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTIN(*

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

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

LAB NO.104206.04 10/04/10

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:09/10/10 RECEIVED:09/10/10
TIME COL'D:1030
MATRIX:Water SAMPLE: Field Blank

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Alkalinity tot CaCo3	mg/L	4		091510	2	S182320B
Ammonia as N	mg/L	0.4		091410	0.2	S204500NH3C
BOD5	mg/L	< 2		090910 1645	2	5210B
COD	mg/L	< 40		091610	40	EPA410.4
Chloride as Cl	mg/L	2		091310	2	S184500C1B
Color units		< 5		091210 1337	5	SM182120B
Nitrate as N	mg/L	< 0.5		091310	0.5	EPA353.2
Phenols as Phenol	mg/L	< 0.001		091310	0.001	EPA420.1
Sulfate as SO4	mg/L	< 5		091410	5	AS D516-02
Tot Dissolved Solids	mg/L	< 10		091310	10	S182540C
Tot. Kjeldahl N.	mg/L	0.8		091510	0.2	S204500NORB
Tot Organic Carbon	mg/L	< 0.5		091510	0.5	S185310C
Chromium hex as Cr	mg/L	< 0.02		091010 1700	0.02	3500CrB
Cyanide as CN	mg/L	< 0.02		091310	0.02	EPA335.4
Bromide as Br	mg/L	0.8	*	091710	0.5	EPA300.0
Hardness as CaCO3		0.56		092010	0.52	epa200.7

cc:

LRL=Laboratory Reporting Limit

REMARKS: * Analysis performed by Summit Labs, NYID#11777.

MW
11/29/10 DIRECTOR

rn = 23953 NYSDOH ID # 10320 Page 11 of 11

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTIN(*

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LAB NO.104206.05 10/04/10

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:09/10/10

MATRIX:Water SAMPLE: Trip Blank

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		091510	1	EPA8260
Chloromethane	ug/L	< 1		091510	1	EPA8260
Vinyl Chloride	ug/L	< 1		091510	1	EPA8260
Bromomethane	ug/L	< 1		091510	1	EPA8260
Chloroethane	ug/L	< 1		091510	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		091510	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		091510	1	EPA8260
Methylene Chloride	ug/L	< 1		091510	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		091510	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		091510	1	EPA8260
2,2-Dichloropropane	ug/L	< 1		091510	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		091510	1	EPA8260
Bromochloromethane	ug/L	< 1		091510	1	EPA8260
Chloroform	ug/L	< 1		091510	1	EPA8260
111 Trichloroethane	ug/L	< 1		091510	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		091510	1	EPA8260
1,1-Dichloropropene	ug/L	< 1		091510	1	EPA8260
Benzene	ug/L	< 1		091510	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		091510	1	EPA8260
Trichloroethene	ug/L	< 1		091510	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		091510	1	EPA8260
Dibromomethane	ug/L	< 1		091510	1	EPA8260
Bromodichloromethane	ug/L	< 1		091510	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		091510	1	EPA8260
Toluene	ug/L	< 1		091510	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

NW
11/29/10 DIRECTOR

rn = 23954 NYSDOH ID # 10320 Page 1 of 3

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTIN

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LAB NO.104206.05 10/04/10

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:09/10/10

MATRIX:Water SAMPLE: Trip Blank

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/L	< 1		091510	1	EPA8260
112 Trichloroethane	ug/L	< 1		091510	1	EPA8260
Tetrachloroethene	ug/L	< 1		091510	1	EPA8260
1,3-Dichloropropane	ug/L	< 1		091510	1	EPA8260
Chlorodibromomethane	ug/L	< 1		091510	1	EPA8260
1,2 Dibromoethane	ug/L	< 1		091510	1	EPA8260
Chlorobenzene	ug/L	< 1		091510	1	EPA8260
Ethyl Benzene	ug/L	< 1		091510	1	EPA8260
1112Tetrachloroethane	ug/L	< 1		091510	1	EPA8260
m + p Xylene	ug/L	< 2		091510	2	EPA8260
o Xylene	ug/L	< 1		091510	1	EPA8260
Styrene	ug/L	< 1		091510	1	EPA8260
Bromoform	ug/L	< 1		091510	1	EPA8260
Isopropylbenzene	ug/L	< 1		091510	1	EPA8260
Bromobenzene	ug/L	< 1		091510	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		091510	1	EPA8260
123-Trichloropropane	ug/L	< 1		091510	1	EPA8260
n-Propylbenzene	ug/L	< 1		091510	1	EPA8260
2-Chlorotoluene	ug/L	< 1		091510	1	EPA8260
135-Trimethylbenzene	ug/L	< 1		091510	1	EPA8260
4-Chlorotoluene	ug/L	< 1		091510	1	EPA8260
tert-Butylbenzene	ug/L	< 1		091510	1	EPA8260
124-Trimethylbenzene	ug/L	< 1		091510	1	EPA8260
sec-Butylbenzene	ug/L	< 1		091510	1	EPA8260
p-Isopropyltoluene	ug/L	< 1		091510	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

AW
4/29/10

DIRECTOR

rn = 23955 NYSDOH ID # 10320 Page 2 of 3

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTIN*

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

LAB NO.104206.05 10/04/10

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:09/10/10

MATRIX:Water SAMPLE: Trip Blank

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/L	< 1		091510	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		091510	1	EPA8260
n-Butylbenzene	ug/L	< 1		091510	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		091510	1	EPA8260
Dibromochloropropane	ug/L	< 1		091510	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		091510	1	EPA8260
Hexachlorobutadiene	ug/L	< 1		091510	1	EPA8260
Naphthalene(v)	ug/L	< 1		091510	1	EPA8260
123-Trichlorobenzene	ug/L	< 1		091510	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		091510	1	EPA8260
p-Ethyltoluene	ug/L	< 1		091510	1	EPA8260
Freon 113	ug/L	< 1		091510	1	EPA8260
1245 Tetramethylbenz	ug/L	< 1		091510	1	EPA8260
Acetone	ug/L	< 10		091510	10	EPA8260
Methyl Ethyl Ketone	ug/L	< 10		091510	10	EPA8260
Methylisobutylketone	ug/L	< 10		091510	10	EPA8260
Chlorodifluoromethane	ug/L	< 1		091510	1	EPA8260
p Diethylbenzene	ug/L	< 1		091510	1	EPA8260
Acrylonitrile	ug/L	< 5		091510	5	EPA8260
Carbon disulfide	ug/L	< 1		091510	1	EPA8260
2-Hexanone	ug/L	< 10		091510	10	EPA8260
Vinyl Acetate	ug/L	< 10		091510	10	EPA8260
t-1,4-Dichloro-2-butene	ug/L	< 1		091510	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

MW
11/29/10 DIRECTOR

Groundwater Monitoring Chain Of Custody Records

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

CHAIN OF CUSTODY RECORD

6 coolers

NY QA/QC

Groundwater Well Monitoring
9/7, 9/8 & 9/9/2010

Temp = 1.2°C

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: JM & NS
Source: **Pennsylvania Avenue Landfill**
Job No.: **200903**

MATRIX (Water, Soil, etc.)	COLLECTED DATE	COLLECTED TIME	SAMPLE IDENTIFICATION	TOTAL NUMBER OF CONTAINERS	TYPE AND NUMBER OF CONTAINERS: VOC Vials	16 oz Amber Glass [H3PO4] - PHENOL	32 oz Amber Glass - PEST. & PCBs	32 oz Amber Glass - ACID EXTRACTABLES	32 oz Amber Glass - Base Neutral Extractables	16 oz Plastic [H2SO4] - N, CBOD	8 oz Plastic [HNO3] - METALS	32 oz Plastic - NON METALS	16 oz Plastic - NON METALS	8 oz Plastic - NON METALS - BROMIDE	16 oz Plastic [NaOH] - CYANIDE	8 oz Plastic [ZINC ACETATE] - SULFIDE		REMARKS – TESTS REQUIRED
Water	9/7/10	11:10	**HP-104-A**	15	2	1	3	1	1	1	1	1	1	1	1	1		VOCs (8260B), SVOCs (8270C)
Water	9/7/10	15:50	**HP-603**	15	2	1	3	1	1	1	1	1	1	1	1	1		Pesticides & PCBs (8081A/8082 [3665A])
Water	9/8/10	12:20	**HP-103-D**	15	2	1	3	1	1	1	1	1	1	1	1	1		Chloride (SM 4500-Cl B), Alkalinity (SM 2320B), Sulfate (ASTM D516), Inorganics (200.7 CLP-M)
Water	9/8/10	17:00	**HP-407-S**	15	2	1	3	1	1	1	1	1	1	1	1	1		
Water	9/9/09	14:10	**HP-407-D**	15	2	1	3	1	1	1	1	1	1	1	1	1		Phenols (EPA 420.2), Sulfate (ASTM D516))
Water			**Blind Duplicate**	15	2	1	3	1	1	1	1	1	1	1	1	1		Total Dissolved Solids (SM 2540B)
Water	9/9/09	14:10	**HP-407-D-MS**	15	2	1	3	1	1	1	1	1	1	1	1	1		Hardness (EPA 200.7 ICP-AES)
Water	9/9/09	14:10	**HP-407-D-MSD**	15	2	1	3	1	1	1	1	1	1	1	1	1		Nitrate-Nitrogen (SM 4500-NO3-H)
Water	9/9/09	11:45	**HP-407-U**	15	2	1	3	1	1	1	1	1	1	1	1	1		Ammonia Nitrogen (SM 4500 NH_3-D or C)
Water	9/9/09	14:10	**HP-101-S**	15	2	1	3	1	1	1	1	1	1	1	1	1		Total Kjeldahl Nitrogen (SM 4500 NH_3 C)

Relinquished by: (Signature) / Representing:	Date: 9/9/10 Time: 17:01	SEAL INTACT? YES NO NA	Received by: (Signature) / 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:	Relinquished by: (Signature) / Representing:	Date: Time:	SEAL INTACT? YES NO NA	Received by: (Signature) / Representing:

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

CHAIN OF CUSTODY RECORD

2 coolers

NY QA/QC

Groundwater Well Monitoring 9/10/10

Temp: 1.6°C

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: JM & NS
Source: **Pennsylvania Avenue Landfill**
Job No.: **200903**

MATRIX (Water, Soil, etc.)	COLLECTED DATE	COLLECTED TIME	SAMPLE IDENTIFICATION	TOTAL NUMBER OF CONTAINERS	TYPE AND NUMBER OF CONTAINERS: VOC Vials	16 oz Amber Glass [H3PO4] - PHENOL	32 oz Amber Glass - PEST. & PCBs	32 oz Amber Glass - ACID EXTRACTABLES	32 oz Amber Glass - Base Neutral Extractables	16 oz Plastic [H2SO4] - N, CBOD	8 oz Plastic [HNO3] - METALS	32 oz Plastic - NON METALS	16 oz Plastic - NON METALS	8 oz Plastic - NON METALS - BROMIDE	16 oz Plastic [NaOH] - CYANIDE	8 oz Plastic [ZINC ACETATE] - SULFIDE		REMARKS – TESTS REQUIRED
Water	9/10/10	9:45	**HP-101-U**	15	2	1	3	1	1	1	1	1	1	1	1	1		VOCs (8260B), SVOCs (8270C)
Water	9/10/10	11:17	**HP-101-D**	15	2	1	3	1	1	1	1	1	1	1	1	1		Pesticides & PCBs (8081A/8082 [3665A])
Water	9/10/10	14:58	**HP-318**	15	2	1	3	1	1	1	1	1	1	1	1	1		Chloride (SM 4500-Cl B), Alkalinity (SM 2320B), Sulfate (ASTM D516), Inorganics (200.7 CLP-M)
Water	9/10/10	10:30	**Field Blank**	15	2	1	3	1	1	1	1	1	1	1	1	1		
Water			**Trip Blank**	15	2	1	3	1	1	1	1	1	1	1	1	1		Phenols (EPA 420.2), Sulfate (ASTM D516))
Water				15	2	1	3	1	1	1	1	1	1	1	1	1		Total Dissolved Solids (SM 2540B)
Water				15	2	1	3	1	1	1	1	1	1	1	1	1		Hardness (EPA 200.7 ICP-AES)
Water				15	2	1	3	1	1	1	1	1	1	1	1	1		Nitrate-Nitrogen (SM 4500-NO3-H)
Water				15	2	1	3	1	1	1	1	1	1	1	1	1		Ammonia Nitrogen (SM 4500 NH_3-D or C)
Water				15	2	1	3	1	1	1	1	1	1	1	1	1		Total Kjeldahl Nitrogen (SM 4500 NH_3 C)

Relinquished by: (Signature) / Representing:	Date: 9/10/10 / Time: 16:08	SEAL INTACT? YES NO NA	Received by: (Signature) / 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:	Relinquished by: (Signature) / Representing:	Date: / Time:	SEAL INTACT? YES NO NA	Received by: (Signature) / Representing:

p.1
(718) 597-1583
Stratis - Pelham Bay
Sep 13 10 08:14a

Appendix F –Landfill Gas Migration Monitoring

Perimeter Soil Gas Monitoring Field Log

PENNSYLVANIA AVENUE LANDFILL
PERIMETER GAS MONITORING LOG

DATE: 9/3/10	**TECHNICIAN: Nate Somerville**	**WEATHER: Mostly Cloudy**
AMBIENT TEMP. (°F) 79	**WIND DIRECTION NNE**	**WIND SPEED (MPH) 8**
		Barometric Pressure: 29.81 in. Hg (falling)

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	2.25	7	8:40	8:48	0	2.7	19.4	
PAL GMW-02	10	6.2	12.4	2.25	6	8:59	9:12	0	3.4	18.0	
PAL GMW-03	11	6.8	13.6	2.25	6.5	9:32	9:40	0	4.1	17.1	
PAL GMW-04	10	6.2	12.4	2.25	6	9:51	9:58	0.3	8.9	2.0	
PAL GMW-05	12	7.4	14.8	2.25	7	10:09	10:17	0	3.2	17.9	

Landfill Surface Gas Monitoring Results

Landfill Surface Gas Readings

Pennsylvania Avenue Landfill, Brooklyn, NY

September 24, 2010 (Readings taken between 8:30 AM and 10:40 AM)

Sample ID	Location (See attached map)	ppm
102	By water meter pit	0.0
103	STES trailer entrance	0.0
104	Entrance to plant	0.0
105	Entrance to Porta-Potti	0.0
106	DEP trailer parking lot	0.0
107	Behind DEP trailer	0.0
108	By GMW-03	0.0
109	Between GMW-02 and GMW-03	0.0
110	By GMW-02	0.0
111	Between GMW-02 and GMW-01	0.0
112	By GMW-01	0.0
113	Perimeter by STES trailer	0.0
114	Perimeter by electrical cage	0.0
115	By GMW-04	0.0
116	Between GMW-04 and GMW-05 (by signs)	0.0
117	By GMW-05	0.0
118	Perimeter by Hydrant	0.0
119	Perimeter by Culvert A	0.0
12	Zone 15	0.0
13	by Pump Station No. 2	0.0
14	Beach by the pumping stations	0.0
15	Zone 9	0.0
16	Zone 15	0.0
17	Zone 2	0.0
18	Zone 3	0.0
19	Zone 5	0.0
20	Zone 6	0.0
21	Zone 8	0.0
22	Zone 7	0.0
23	Zone 10	0.0
24	Zone 12	0.0
25	Zone 13	0.0
26	Zone 11	0.0
27	Zone 14	0.0
30	Zone 16	0.0
31	Zone 17	0.0
32	Zone 4	0.0
33	Flare Station	0.0
34	Area by the electrical cage across the flare	0.0
35	Perimeter by GWMW HP-101-U,S and D	0.0
36	Perimeter by GWMW HP-407-U,S and D	0.0

Note: Readings taken inside the leachate pretreatment plant remained at 0.0 ppm. The only hit was on top of the open OWST, where it was 2.0 ppm.

Weather: Overcast, 68^{o}F, Wind 11 mph SSW
Barometric Pressure 30.13 in. Hg (falling)