2018 Annual Site Management Report Pelham Bay Landfill Post-Closure Operation, Maintenance and Monitoring Program

NYSDEC ID Number: 203001
Parcel Block: 4335 Lot: 1

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ANNUAL SITE MANAGEMENT REPORT SUBMITTAL

Name of Facility:	Pelham Bay Landfill 301 Shore Road Bronx, NY 10465
Owner:	New York City Department of Parks and Recreation Olmstead Center- Flushing Meadows/Corona Park 117-2 Roosevelt Avenue Flushing, NY 11368
Facility Operator:	Stratis Contracting Corp. 7 Corporate Drive Peekskill, NY 10566

Management Approval:

The data contained in this Annual Site Management Report has been reviewed by the undersigned for content and accuracy.

Signature: _____

Name:

Title:

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I. INTRODUCTION

The Pelham Bay Landfill (PBL) is an inactive 94.5-acre municipal waste landfill located in the Bronx, New York (see Figure 1). The site is bordered by the Hutchinson River to the north and east, the Eastchester Bay to the east and south, the Pelham Bay Park to the southwest and Bruckner Boulevard Extension to the northwest. The landfill has an elevation of 131 feet with gradual slopes that rise to a nearly flat top. According to records, typical wastes received at the site included: residential wastes, rubbish, street dirt, and construction debris. The facility is currently operated, maintained and monitored by Stratis Contracting Corp. (SCC). SCC is required to perform day-to-day operations and system monitoring including routine inspection of the leachate and gas collection systems, inspection of the storm water management system and landfill cover system, periodic sampling of groundwater and leachate from various locations within the landfill. SCC performs maintenance to the above noted systems on an as-needed basis. This report summarizes the site activities and the results from the monitoring performed from January 2018 through December 2018.

On July 1, 2013, New York City Department of Parks and Recreation (DPR) took over day-to-day management of the site from New York City Department of Environmental Protection (DEP), as well as the long term planning and regulatory compliance requirements for transitioning the site to parkland use.

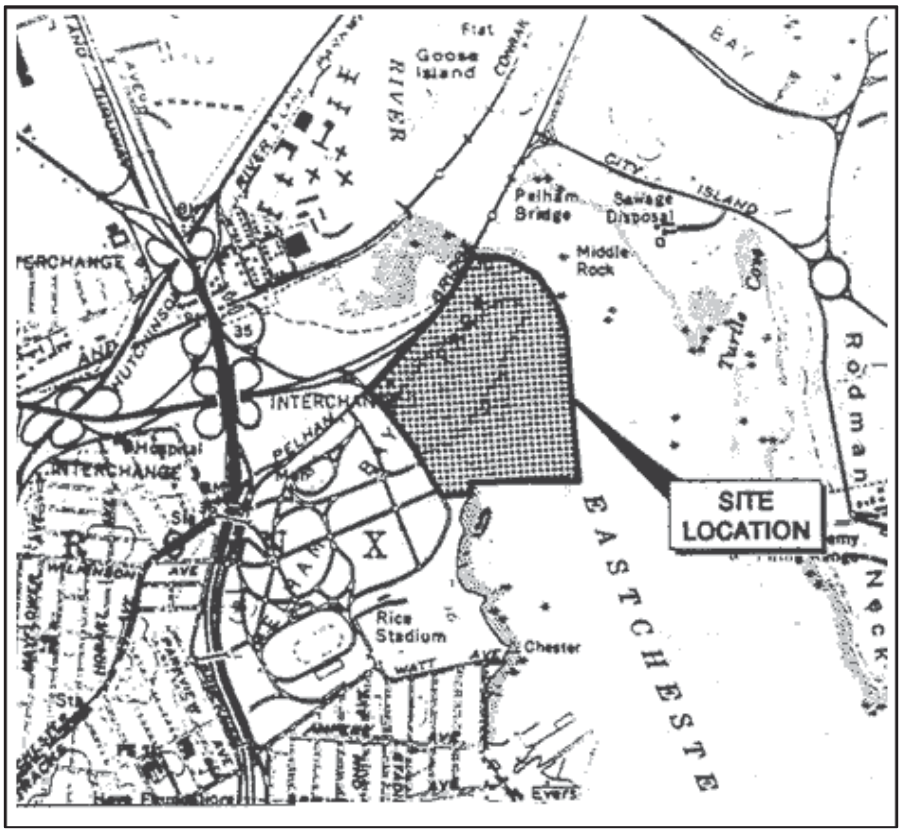


Figure 1 Site Location Map

II. SUMMARY OF ENGINEERING CONTROL (EC) SYSTEMS

Provided below is an overview of the engineering controls and a performance summary for each component. During 2018, the Pelham Bay Landfill remedial systems were generally operated, monitored and maintained in accordance with the Site Management Plan (SMP) dated September 30, 2009. A detailed site map is provided for reference (Figure 2) at the end of this report.

a. Groundwater/Leachate Collection System

Description - Leachate Collection System

The leachate collection and disposal system was designed for the removal of leachate from the landfill in order to protect the groundwater from contamination and limit discharges into the surrounding environment. The leachate capture system is designed to work by hydraulic gradient and includes a slurry wall that runs along the southwest property boundary of the landfill. The slurry wall is designed to intercept both groundwater (on the up-gradient side) and prevent it from entering the landfill site, as well as intercept leachate (on the down-gradient side) and prevent it from migrating off the landfill site. A collection trench located inside the slurry wall diverts any captured leachate to the on-site D-1 Pump Station which pumps to the New York City Department of Environmental Protection (DEP) Hunts Point Water Pollution Control Plant (WPCP). Leachate is also collected by a combination of collection manholes and collection sumps, curtain drain, lift stations, and storage tanks. Collected leachate is stored in the holding tanks and drained to Pump Station D-1 which pumps through a force main to the Hunts Point WPCP. The pumps in station D-1 are controlled by level float switches. Total flow is calculated based on recorded flow totalizer readings from the force main flow meter. Upgradient groundwater inflow for a potential increased, diluted leachate flow is prevented by a slurry wall. The landfill side of that same slurry wall prevents a more concentrated leachate flow migrating offsite; rather, the flow is directed to a wastewater treatment plant. See Figure 3 at the end of this report for a schematic drawing of the Leachate Collection System.

During heavy rains which may result in a combined sewer overflow (CSO) event, the leachate can be temporarily stored in the on-site storage tanks. At the end of the CSO event, the leachate collection and discharge system resumes normal operation. There are (5) five, twenty thousand gallon storage tanks which may be used for this purpose.

Operational Performance – Leachate Collection System

During this reporting period the leachate collected was pumped to the Hunts Point WPCP via Pump Station D-1. A pilot test to study the effect of stopping leachate pumping began in January 2017. The first phase of the pilot test shut off Lift Station No. 2 and the effect was monitored. Observations included monthly groundwater level measurements and observation of the water level in Sump D-8. Additionally, groundwater sampling was completed in April and August 2017 and again in January 2018. The monthly M-1 sampling results were also evaluated for any changes to the leachate quality. The data was reviewed, and it was determined by the New York State Department of Environmental Conservation (NYSDEC) that the water discharge poses no risk to the receiving waters. Approval from NYSDEC was received March 1, 2018 to move to the second phase of the

pilot study. Modifications were made to discharge the curtain drain water, collected by Lift Station No. 1, to the storm sewer. The second phase of the pilot test began in April 16, 2018 and studied the effect of stopping leachate pumping from lift Station No 1.

Following the redirection of the curtain drain water to the storm sewer, the flow to the Hunts Point WPCP decreased from an average of 35,000 gallons per day (gpd) to approximately 5,000 gpd. Based on this reduction in flow, on July 6, 2018, NYCDPR petitioned NYCDEP to eliminate the prohibition on discharging to the WPCP during CSO events. NYCDEP approved NYCDPR's request and replaced the existing Industrial Discharge Permit No. 13-P3179-1 with Order and Directive No. 18-D3179-1.

Table 1, Leachate Flow Summary, provides a summary of the volume of leachate pumped to the force main. A graphical representation of the monthly average leachate flow is presented below in Figure 4. The daily leachate flow readings can be found in Appendix A of this report. The total volume of leachate discharged to the Hunts Point WPCP during 2018 was 12,245,399 gallons.

Table 1

Leachate Flow Summary

	Gallons per Day			Gallons
Month	**Minimum**	**Maximum**	**Average**	**Total**
January	32,200	94,100	59,352	1,839,900
February	54,900	107,900	80,389	2,250,900
March	47,500	172,100	75,752	2,348,300
April	53,400	118,500	67,767	2,032,999
May	43,800	64,900	55,184	1,710,700
June	3,233	52,000	25,079	752,367
July	2,100	7,400	3,304	102,433
August	3,100	12,500	8,461	262,300
September	1,300	12,200	5,637	169,100
October	2,000	4,467	3,290	102,000
November	2,867	11,000	6,293	188,800
December	4,100	37,100	15,665	485,600

Figure 4
2018 Monthly Average Daily Leachate Flow

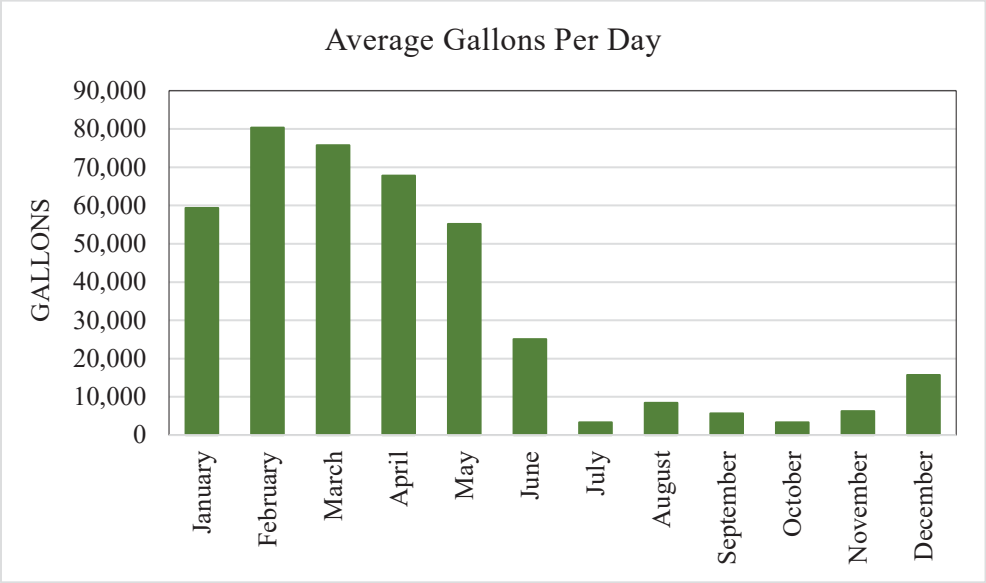
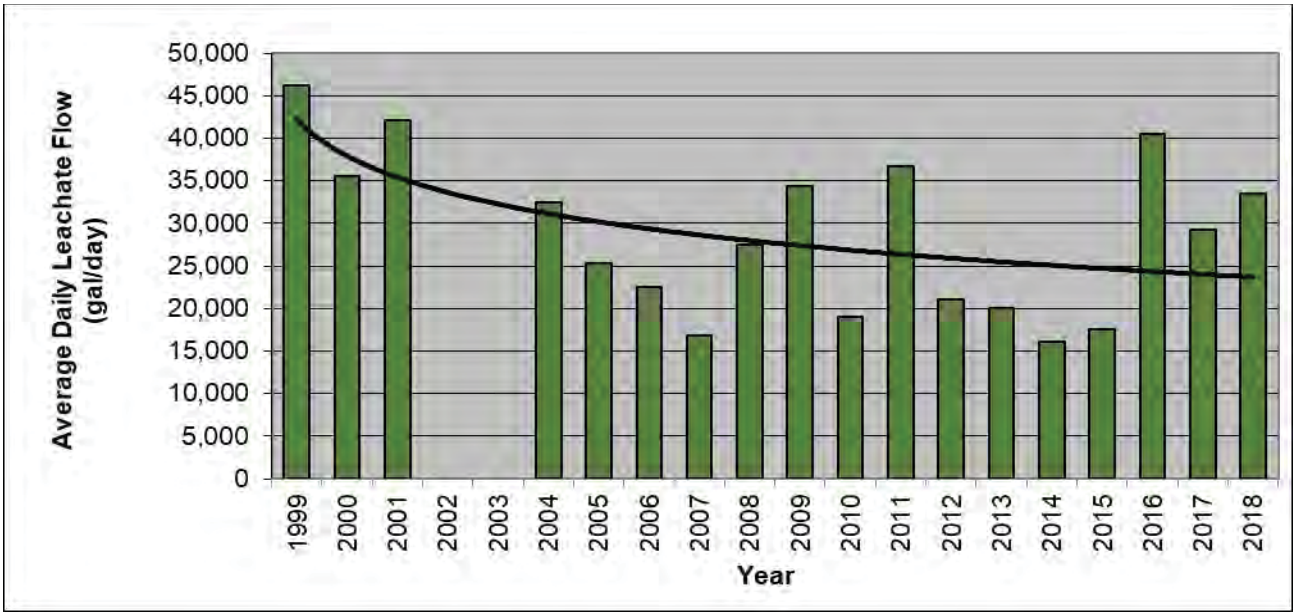


Figure 5
Yearly Average Daily Leachate Flow
Pelham Bay Landfill, Bronx, NY



Notes.

1. Averages are computed from available flow data over the calendar year (January through December)
2. 1999 data reflects the average between June and December 1999
3. 2002 and 2003 accurate flow data is unavailable

Figure 5 depicts the yearly average daily leachate flow between 1999 and 2018 except for 2002 and 2003 due to unavailability of accurate flow data for these years.

Description – Groundwater Collection System

Groundwater is prevented from entering and exiting the southern boundary of the site via a vertical barrier cut-off wall (slurry wall). This 1,276 foot long trench was excavated to bedrock and backfilled with a bentonite slurry which acts as a barrier to groundwater flow. A collection trench runs parallel to the slurry wall along the southwest property boundary and collects any groundwater flow on the up-gradient side of the slurry wall and prevents it from entering the landfill site. Groundwater elevations obtained from on-site and off-site groundwater monitoring wells and piezometers are used to monitor this system.

Operational Performance – Groundwater Collection System

During 2017, monthly groundwater elevation measurements confirmed that cessation of leachate pumping from Lift Station No. 2 has no adverse effects on the groundwater elevation.

b. Landfill Gas Management System

Description – Landfill Gas Management System

Landfill gas generated within the landfill is collected through twenty-two (22) gas extraction wells, a gas venting layer at the surface of the landfill and a perimeter gas collection pipe around the base of the landfill. Extracted gas is conveyed via polyethylene piping to blowers and an enclosed flare system.

The gas flare system consists of two blowers and a burner management system. The burner management system includes a flame safeguard package, which monitors key parameters and shuts the unit down if an unsafe condition occurs. The key shutdown interlocks are: high and low flare temperature, flame failure and low purge air flow (during purge cycle). The start-up sequence is: stack purge, pilot ignition, initiate waste gas flow, and louver adjustment to achieve set point operating temperature. The standard operating procedure for the system is in the automatic mode. In this mode the initial start-up sequence will automatically make three attempts to start the system before shutting down. However, once the system has shutdown, all alarm conditions must be manually cleared prior to initiating the start-up sequence.

Operational Performance – Landfill Gas Management System

The landfill gas flare is designed to run continuously. However, due to low methane concentrations and slightly elevated oxygen concentrations measured at the flare, the NYCDEP made the decision to operate the flare only during normal business hours (7am -3:30 pm Monday through Friday) beginning in February 2010. Pulsed operation is consistent with guidance provided in the SMP. Since this "pulse operation" began, there has been an increase in the methane concentrations and a decrease in the oxygen concentrations measured at the flare inlet header.

See Table 2 for monthly total and average daily flows, Table 3 for measured monthly averaged parameters and Figure 6 for monthly average landfill gas concentrations in percent by volume measured at the flare inlet. The monitoring results indicate that the system maintained a negative pressure beneath the cap throughout 2018 and operated as designed. Landfill Gas Management System inspections can be found in Appendix B of this report.

Table 2

2018 Total Landfill Gas Flows

Month	Total Flow (SCF)	Avg. Daily Flow * (SCF/day)
January	11,908,769	567,084
February	10,724,189	564,431
March	11,705,424	557,401
April	10,994,643	578,665
May	12,436,034	565,274
June	11,899,135	566,625
July	11,640,396	554,305
August	14,128,842	614,297
September	11,334,943	629,719
October	14,617,125	635,527
November	12,666,308	633,315
December	9,713,314	511,227
TOTAL	**143,769,122**	

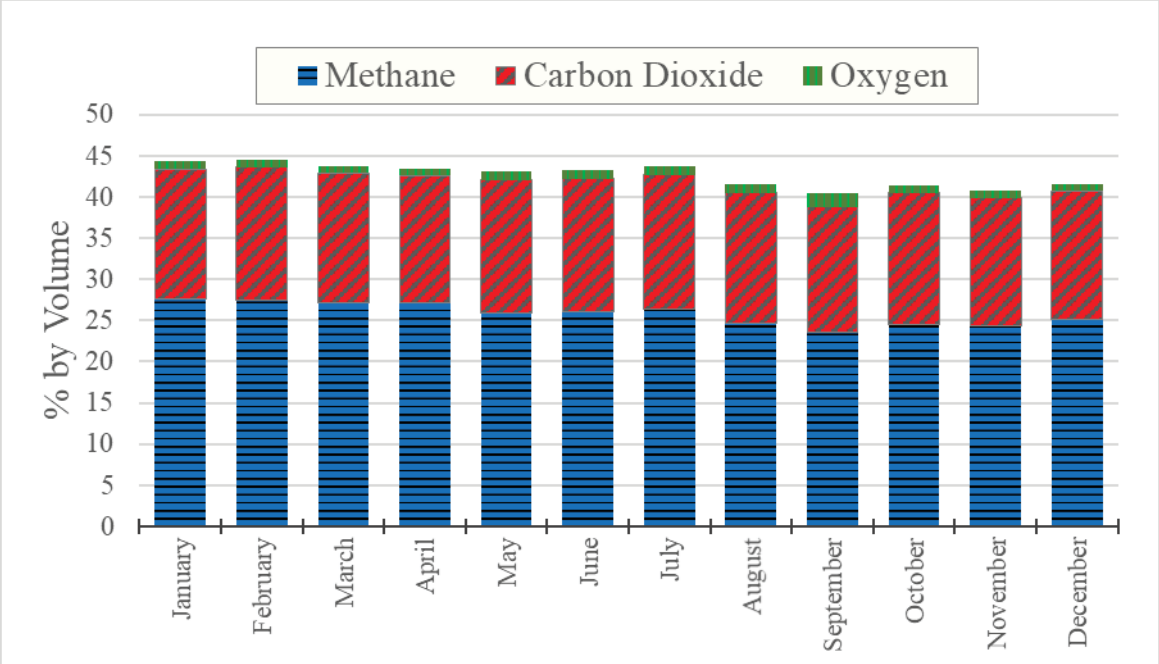
SCF = Standard Cubic Feet
*Average based on days in operation.

Table 3

2018 Average Landfill Gas Parameters

Month	CONCENTRATION % BY VOLUME			TEMP	Discharge Pressure
	Methane	Carbon Dioxide	Oxygen	(^{O}F)	(in. WC)
January	27.6	15.8	1.0	76	2.4
February	27.5	16.1	0.9	82	2.3
March	27.2	15.7	0.9	82	2.3
April	27.1	15.5	0.9	89	2.4
May	25.9	16.2	1.0	109	2.4
June	26.0	16.2	1.0	114	2.4
July	26.4	16.3	1.0	123	2.4
August	24.6	15.9	1.1	121	2.4
September	23.6	15.2	1.7	114	2.4
October	24.5	16.0	0.9	106	2.4
November	24.3	15.6	0.9	94	2.4
December	25.1	15.6	0.9	86	2.3
Average	25.8	15.8	1.0	100	2.4
Maximum	27.6	16.3	1.7	123	2.4
Minimum	23.6	15.2	0.9	76	2.3

Figure 6
2018 Average Landfill Gas Concentrations



c. Storm Water Management System

Description – Storm Water Management System

Storm water runoff from the landfill surface is diverted through a series of swales, baffled outlets and drainage pipes and directed to one of three sedimentation ponds located around the landfill site. The ponds are connected in series, and are designed so that gravity flow empties one pond into the next via underground pipe. Effluent from the third sedimentation pond flows by gravity to an outfall located on the northeast side of the landfill into Eastchester Bay.

Operational Performance – Storm Water Management System

SCC performs routine inspections of the Storm Water Management System. There are contract allowance items to address maintenance issues if required. During this reporting period, the Storm Water Management System functioned as designed.

Frequent maintenance is required in the swales and baffled outlets to remove vegetation and debris. The vegetation in the swales is due to the fast growing invasive species which is predominantly comprised of phragmites. This vegetation must be cut frequently to facilitate inspection and to maintain the proper flow of storm water. The debris from the mowing and cutting of the vegetation is an ongoing maintenance issue. Swale cleaning should continue as preventative maintenance to allow proper functioning of the storm water system.

d. Landfill Cover & Auxiliary Systems

Description – Landfill Cover System

The Pelham Bay Landfill cover system is comprised of several layers (from top to bottom): a vegetative topsoil layer, loamy soil layer, geo-composite drainage layer, High Density Poly Ethylene (HDPE) impermeable liner, gas venting layer and sub-base. There is a well established growth of meadow grasses on the top vegetative cover. Additionally, there are fast growing invasive species that are expanding to areas once covered by meadow grasses.

Operational Performance – Landfill Cover System

Approximately 55.7 acres were mowed in August 2018 to remove invasive plant species such as phragmities and mugwort. Evidence of vector penetration in the cover is scarce and limited to the vegetation islands where there is more topsoil above the liner. The landfill cover is functioning as designed. NYCDPR has developed a mowing plan for 2019 to control invasive species, facilitate cover inspections and protect nesting bird species. It is recommended that this mowing plan and schedule be adhered to. In November 2018, herbicide was applied to the parking lot area and the entire perimeter fence to control invasive species growth in these areas. It is recommended that herbicide be applied twice per year, once in the spring and once in the fall to keep the growth under control.

Description – Roadways

The landfill roadways consist of an access road around the base perimeter of the landfill, leading to a road that continues to wind around the landfill ending at the top. The access roads have limited traffic, primarily SCC pickup trucks and security personnel cars.

Operational Performance - Roadways

The site roads are currently in fair condition but will require continuing maintenance and repairs.

Description – Fencing

Security fences are located around the perimeter of the landfill, the Motor Control Center (MCC) panel area, storage tank farm, and each of the gas extraction wells. Two 24-ft wide double leaf gates and one 12-ft wide single leaf gate are located near the main entrance to the facility. A fourth gate is located on Shore Road just southwest of the Sedimentation Pond C.

Operational Performance - Fencing

All security fences and gates are in good condition with the exception of the perimeter fence. Unauthorized trespassers routinely cut access holes through the fence primarily to gain access for fishing at the eastern side of the landfill. SCC makes repairs to the holes on a nearly monthly basis and has installed bi-lingual no trespassing signs along the fence. The perimeter fence along the south and east side adjacent to Pelham Bay was affected by Hurricane Sandy at the end of October 2012. Approximately 1,400 linear feet (LF) was affected by storm surge/wave action that eroded soil around the concrete footings for the fence posts. Some sections became disconnected from the horizontal rails, but the fence did not fall over. However, the fence does not prevent trespassers as they could easily walk under the fence to gain access to the landfill. Permanent repairs to the fence will be completed in conjunction with the seawall and embankment repairs which are being coordinated by NYCDPR and Federal Emergency Management Agency (FEMA). These repairs will be completed under a separate contract.

III. ENVIRONMENTAL MONITORING/ INSTITUTIONAL CONTROLS

a. Groundwater/Leachate Monitoring

During this reporting period, SCC performed the required monitoring on the groundwater and leachate systems. This included twice weekly GWL-1 inspections, monthly GWL-2 inspections, quarterly GWL-3 inspections, and sampling and analysis of groundwater and leachate. Copies of the GWL inspection forms for the reporting period are included in Appendix C of this report. The leachate analytical data can be found in Appendix E. The groundwater analytical results are included in Appendix D. Groundwater elevation data is provided below in Table 4.

Table 4 Groundwater Elevations				
Well ID	**Date**	**Depth to Water**	**Measuring Point Elevation**	**Groundwater Elevation (FT Above Sea Level)**
104	1/22/2018	19.1	19.132	0.032
106	1/22/2018	17.85	18.388	0.538
109	1/22/2018	19.4	23.952	4.552
110	1/22/2018	20.35	20.013	-0.337
113	1/22/2018	13.95	14.442	0.492
114	1/22/2018	12.2	14.66	2.46
115	1/22/2018	21.8	24.807	3.007
115b	1/22/2018	21.65	24.876	3.226
117	1/22/2018	No Access.	8.077	
118	1/22/2018	18	19.113	1.113
119	1/22/2018	19.4	20.421	1.021
120	1/22/2018	19.1	18.838	-0.262
120b	1/22/2018	19.15	19.296	0.146
122	1/22/2018	17.75	17.575	-0.175
pz-a	1/22/2018	Dry.	11.951	
pz-b	1/22/2018	8.25	14.254	6.004
pz-c	1/22/2018	Dry.	11.374	
pz-d	1/22/2018	5.65	12.411	6.761
pz-e	1/22/2018	11.45	9.545	-1.905
pz-f	1/22/2018	7.2	9.645	2.445

On May 26, 2015 a meeting was held with representatives from NYCDPR and NYSDEC regarding reduction of the post-closure environmental monitoring requirements and agreed to the following five main points:

1. Biennial sampling and analysis of groundwater and leachate
2. Elimination of pesticides and Poly Chlorinated Biphenyl (PCBs) analysis
3. Elimination of saltwater-related compounds from the inorganic and conventional leachate parameter analytical tests
4. Biennial groundwater elevation measurement frequency
5. Elimination of storm water sample collection and analysis

Groundwater Monitoring

There are 15 groundwater monitoring wells located within the landfill boundary. Four groundwater monitoring wells and six piezometers are located off-site. Ten of the groundwater monitoring wells are sampled and analyzed for Volatile Organics, Semi Volatile Organics, Pesticides, and Inorganic parameters. Groundwater monitoring well sampling was performed in January 2018 as part of the leachate pumping termination pilot test.

Groundwater elevation data was collected approximately halfway between the outgoing high and low tide. MW-117 was inaccessible.

The analytical results from the groundwater monitoring are attached in Appendix D. A site map of the monitoring well locations is provided in Figure 2 located at the end of this report. The results from the groundwater monitoring performed during this reporting period have been compared with the historical groundwater data collected from the Pelham Bay Landfill as summarized in the 5-year report and previous annual reports. In general, the results do not show any significant increases in concentrations or changes in groundwater quality from those contained in the 5-year report. Analytical results from this monitoring period do not indicate any additional monitoring or increases to the sampling plan are required.

The groundwater wells and piezometers are over 15 years old. They should be evaluated to determine their functionality and if necessary, they should be re-drilled, re-developed or properly abandoned.

Leachate Monitoring

Leachate samples are obtained from the D-1 Pump Station wet well. Monthly samples were collected from January to September 2018. The Directive was issued in October 2018 and sampling frequency was reduced from once a month to 3 days every six month period. Analytical laboratory reports and the tabulated results (Table 5) from the leachate monitoring are included in Appendix E of this report. Analytical results from this monitoring period do not indicate any additional monitoring or increases to the sampling plan are required.

b. Landfill Gas Monitoring

During this reporting period, SCC performed the required monitoring of the landfill gas system which included twice weekly LFG-1, monthly LFG-2 and LFG-4, quarterly LFG-3 inspections and semi-annual surface gas inspections. Copies of these inspection forms are included in Appendix F of this report. See LFG-2 inspection forms in Appendix F for gas concentration readings taken at each extraction well.

The monitoring of the gas extraction wells and perimeter gas monitoring wells was performed using a Landtec GEM-2000 landfill gas meter. A Photovac Micro Flame Ionization Detector (FID) meter was used to take surface gas readings.

The methane concentrations in both the monthly gas well monitoring and the semi-annual surface gas readings were recorded as 0.0 ppm of total VOC indicating the LFG collection and flaring system is meeting the overall objective of preventing off-site migration of landfill gas.

c. Landfill Cover & Auxiliary Systems Monitoring

During this reporting period, SCC performed the required monitoring of the landfill cover and auxiliary systems. This included monthly FCS-1 and AS-1 inspections. Copies of these inspection forms for the reporting period are included in Appendix H of this report.

SCC performs a routine monthly inspection of the cover system for evidence of erosion, settlement or other signs of compromise to the cover. The inspection consists of visual observations of the following: side slopes, vegetation, geosynthetic layer and soil components, and vandalism. Side slopes are observed for deficiencies such as surface cracks, settlement, erosion, sink holes, ponding or any other problems that could lead to unstable side slopes. The cover system is observed for any signs of sparse, stressed or undesirable vegetation and damage to the underlying geosynthetic layer.

Vegetation in non-mowed areas can reach several feet high especially during the growing season. Inspections of the landfill cover system did not uncover any deficiencies. Based on the field cover inspections performed, the cover appears to be stable with well established vegetation with the exception of the erosion attributed to Hurricane Sandy along the south and east perimeter above the seawall. The erosion in this area has exposed portions of the geomembrane liner system. According to the project drawings, no garbage or waste material is buried adjacent to the seawall.

In accordance with the Site Management Plan, landfill mowing is performed under the direction of the NYCDPR and only portions of the landfill cover are mowed each year. A total of 55.7 acres of the landfill cover was mowed in August 2018. NYCDPR has developed a mowing plan for 2019 to control invasive species, protect nesting bird species and facilitate cover inspections.

d. Gas Condensate Monitoring

Gas condensate is generated at the landfill gas flare during the gas extraction process. The condensate flows by gravity via a 2-inch diameter underground pipe from the landfill gas flare to the D-2 manhole. The condensate combines with the D-2 flow and continues by gravity to the D-1 Pump Station where it is pumped to the Hunts Point WPCP.

Per the SMP, gas condensate sampling is performed at the direction of the NYCDPR. During this monitoring period gas condensate samples were not collected.

e. Permits

NYC Fire Department LFG Flare Operation Permit

Currently the NYCDPR is operating the LFG flare on an interim permit from FDNY. Specific improvements to the LFG system were needed to comply with current FDNY regulations. During 2011 the NYCDEP's contractor, Aldona, installed a fire alarm system consisting of gas and UV detectors with automatic shutdown capabilities as well as pull stations and an autodialer system. Installation, start-up and testing was completed in the first half of 2012. The fire alarm system was put into service on October 1, 2012.

Yearly inspections of the fire alarm system are required by FDNY. During the 2017 inspection, violation orders were issued because the relocation of the oxygen sensor and its replacement with an optical tip sensor had not been filed with FDNY. Subsequently, permit drawings were filed with FDNY to document this change. A variance was issued from FDNY to allow the oxygen sensor to be removed from the alarm monitoring, and permit drawings were filed with

FDNY to document this change. The phone lines for the system both went down in September 2017, and FDNY issued a violation. The phone lines were repaired by Verizon but continued to provide intermittent service. To resolve this issue, in March 2018, a wireless communication system was installed to replace the telephone lines and is proving to be reliable. In February 2018, the south UV detection sensor was replaced, and in March 2018, the oxygen sensor and programming were serviced by the manufacturer.

Industrial Wastewater Discharge Permit

The NYCDEP issued Industrial Wastewater Discharge Permit No. 13-P3179-1 in November 2013 (replacing a previous permit issued to NYCDEP) authorizing discharge from the Pelham Bay Landfill to the NYC sewer system. The permit required monthly sampling and quarterly reporting. In October 2018, the permit was replaced by Order and Directive No. 18-D3179-1. The Pelham Bay Landfill was historically in compliance with the requirements of the Discharge Permit and is now in compliance with the newly issued Directive . The Directive reduced the self-monitoring reporting to semi-annually, the sampling frequency to 3 days in each six-month monitoring period, and it removed the wet weather (combined sewer overflow) discharge prohibition.

IV. MAINTENANCE AND REPAIRS

Maintenance activities during this monitoring period consisted of routine preventive maintenance and non-routine activities. Non-routine work includes tasks requested by the NYCDPR project manager and specific items identified in the contract specifications.

a. Preventive Maintenance

The routine preventive maintenance was performed by SCC in conjunction with the scheduled inspections and as outlined in the SMP. The preventive maintenance included but was not limited to site maintenance such as maintaining access to equipment, litter removal and snow removal. Preventive maintenance on the gas flare system and leachate pumping system included maintaining in-service and spare pumps in working order, exercising valves and maintaining the piping systems.

b. Non-Routine Tasks

Tree Removal

Despite having treated the sumac tree stumps with herbicide in October 2010, the stumps continue to grow every spring. SCC personnel proactively cut the shoots by hand and mow the cover to prevent additional growth. Storm water swales are routinely cleaned and lined with gravel to prevent tree growth that could compromise the liner and affect storm water flow.

Misc. Maintenance Repairs

Throughout the monitoring period, SCC personnel repaired holes in the perimeter fence and filled holes dug under the fence by trespassers. The entrance steps in the site trailers were replaced. In November 2018, herbicide was applied to the parking lot area and the entire

perimeter fence to control invasive species growth in these areas. It is recommended that herbicide be applied twice per year, once in the spring and once in the fall to keep the growth under control.

Landfill Gas System Repairs

The following repairs to the flare station were completed in 2018:

1. Replaced the South UV sensor for the fire alarm system.
2. Replaced the Oxygen sensor.
3. Installed wireless communication for the fire alarm system.
4. Filled burrowing animal holes in the vicinity of LFG extraction wells 7, 14 and 16.

Misc. Pump and Lift Station Repairs

The following work was completed in 2018:

1. Modifications Lift Station No. 2 piping and wiring.
2. Check valve repair.
3. D1 flow meter was calibrated twice, on June 15th and September 12th, and replaced on November 1st.
4. The fence around the containment tank area was removed in anticipation of the decommissioning of the leachate system.

V. SUMMARY

SCC reviewed the data collected from this reporting period and compared it with past data and trends to determine the effectiveness of the remedial measures instituted as part of the closure plan for the Pelham Bay Landfill. Based upon our review of this data, we have come to the following conclusions and recommendations:

Although there are several issues identified for the LFG collection and flaring system requiring maintenance/repair, during the 2018 reporting period, the LFG collection and flaring system was meeting the overall remedial objective of preventing off-site migration of landfill gas. Off-site migration of landfill gas is monitored at the four perimeter gas monitoring wells and during surface gas monitoring events. Monthly monitoring of the gas extraction wells confirmed that negative pressure was maintained beneath the cap throughout 2018. Monthly monitoring of the perimeter gas monitoring wells and semi-annual surface gas monitoring did not show any signs of off-site gas migration in 2018.

The results from the groundwater monitoring performed during this reporting period have been compared with the historical groundwater data collected from the Pelham Bay Landfill as summarized in the 5-year report and previous annual reports. In general, the results do not show any significant increases in concentrations or changes in groundwater quality from those contained in the 5-year report.

A pilot test to study the effect of stopping leachate pumping began on January 2017. The first phase of the pilot test was to shut off lift station No. 2. A second phase of the pilot test was initiated in April 2018 and included diverting flow from Lift Station #1 to the storm drain and observing the outcome. If the pilot test is successful and NYCDEC allows termination of

leachate pumping then the work involving decommissioning and demolition of the leachate collection system will begin.

SCC recommends that the mowing program presented by the NYCDPR be implemented. If additional mowing is required to control invasive species, it should be done in addition to the routine maintenance mowing.

Based on the results of the current and historical monitoring data for the site, no additional monitoring or increases to the plan are required.



LEGEND:

- MONITORING LOCATION
- PIEZOMETER
- GAS MONITORING LOCATION
- SURFACE GAS COLLECTION LOCATION
- GAS TRANSMISSION PIPE
- EXTRACTION WELL
- HORIZONTAL GAS COLLECTION PIPE
- PASSIVE VENT
- STORMWATER DRAINAGE DITCH AND INFILTRATION DRAINAGE TRENCH
- SEDIMENTATION POND INLET/OUTLET STRUCTURES
- STORMWATER COLLECTION, CONNECTION MANHOLE/INLET AND BAFFLED OUTLET

NYCDEP
PELHAM BAY LANDFILL
BRONX, NEW YORK

LANDFILL SITE MAP

Figure 2

LEACHATE COLLECTION SYSTEM
PELHAM BAY LANDFILL
Revision 1 (July 11, 2019)

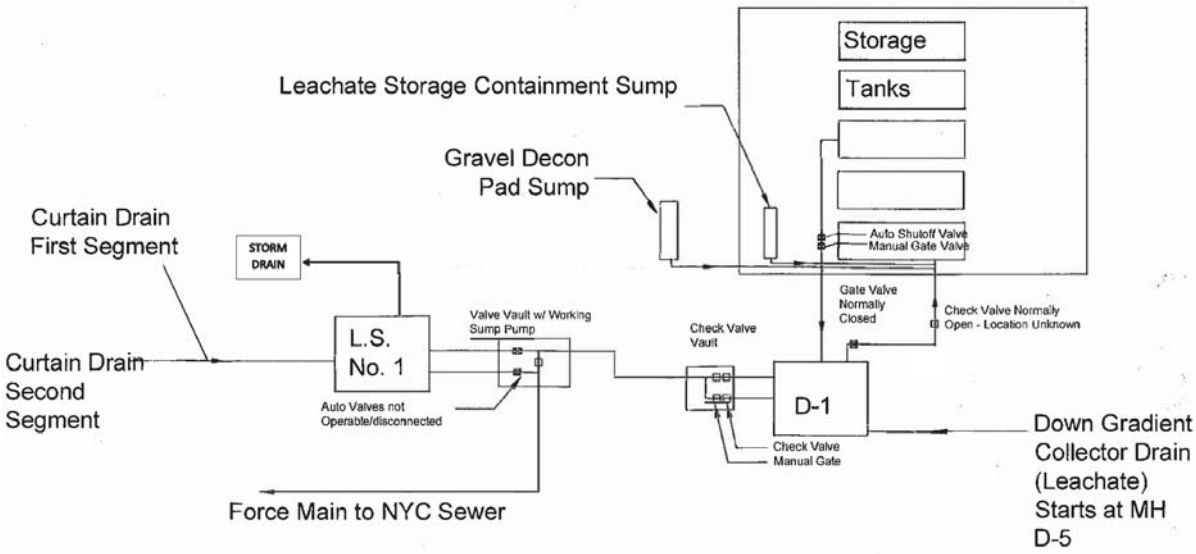


Figure 3

DRAWN BY MOG DATE 7-11-19	STRATIS Contracting Corp.	CLIENT/JOB Pelham Bay Landfill	DWG DESCRIPTION Leachate System
CHECKED BY DATE			
APPROVED BY DATE			
APPROVED BY DATE	7 Corporate Drive, Peekskill NY 10566	FILE	MATERIAL/BOM NO.

APPENDICES

A: Leachate Daily Flow

Table 2

PELHAM BAY LANDFILL

LEACHATE FLOW

PUMP STATION D-1 TO WWTP FORCE MAIN

Month: January 2018

Date	Time of Reading	TOTALIZER READING (100 gallons)	FLOW (gallons)	Total Discharge Hours
29-Dec	8:35	31,891		24
1		Holiday.	**53,200**	24
2	10:05	34,019	**50,400**	24
3	8:00	34,523	**37,900**	24
4	9:00	34,902	**70,400**	24
5	9:00	35,606	**52,867**	24
6			**52,867**	24
7			**52,867**	24
8	10:40	37,192	**45,300**	24
9	7:40	37,645	**52,800**	24
10	8:20	38,173	**59,800**	24
11	12:20	38,771	**43,900**	24
12	8:30	39,210	**73,875**	24
13			**73,875**	24
14			**73,875**	24
15		Holiday.	**73,875**	24
16	9:15	42,165	**62,300**	24
17	9:20	42,788	**32,200**	24
18	8:45	43,110	**91,900**	24
19	8:25	44,029	**60,367**	24
20			**60,367**	24
21			**60,367**	24
22	8:00	45,840	**57,000**	24
23	6:40	46,410	**65,500**	24
24	6:10	47,065	**34,900**	24
25	6:15	47,414	**94,100**	24
26	9:10	48,355	**58,300**	24
27			**58,300**	24
28			**58,300**	24
29	9:00	50,104	**58,900**	24
30	8:20	50,693	**59,800**	24
31	8:15	51,291	**59,500**	24
1-Feb	9:05	51,886		24

No. of Days Discharging
31

Total Flow (gallons)
1,839,900

Average Daily Flow (gallons)
59,352

Maximum Daily Flow (gallons)
94,100

Minimum Daily Flow (gallons)
32,200

Table 2

PELHAM BAY LANDFILL

LEACHATE FLOW

PUMP STATION D-1 TO WWTP FORCE MAIN

Month: February 2018

Date	Time of Reading	TOTALIZER READING (100 gallons)	FLOW (gallons)	Total Discharge Hours
1	9:05	51,886	**54,900**	24
2	7:20	52,435	**70,233**	24
3			**70,233**	24
4			**70,233**	24
5	8:36	54,542	**82,900**	24
6	8:46	55,371	**73,800**	24
7	8:41	56,109	**104,200**	24
8	9:00	57,151	**86,300**	24
9	8:10	58,014	**102,433**	24
10			**102,433**	24
11			**102,433**	24
12	8:30	61,087	**107,900**	24
13	11:00	62,166	**74,100**	24
14	8;45	62,907	**76,400**	24
15	9:00	63,671	**80,500**	24
16	11:15	64,476	**69,225**	24
17			**69,225**	24
18			**69,225**	24
19	Holiday		**69,225**	24
20	7:40	67,245	**76,500**	24
21	6:50	68,010	**73,100**	24
22	7:20	68,741	**72,400**	24
23	7:10	69,465	**90,900**	24
24			**90,900**	24
25			**90,900**	24
26	8:45	72,192	**78,400**	24
27	8:50	72,976	**70,000**	24
28	7;00	73,676	**71,900**	24
1-Mar	7:40	74,395		24

No. of Days Discharging
28

Total Flow (gallons)
2,250,900

Average Daily Flow (gallons)
80,389

Maximum Daily Flow (gallons)
107,900

Minimum Daily Flow (gallons)
54,900

Table 2

PELHAM BAY LANDFILL

LEACHATE FLOW

PUMP STATION D-1 TO WWTP FORCE MAIN

Month: March 2018

Date	Time of Reading	TOTALIZER READING (100 gallons)	Flow (gallons)	Total Discharge Hours
1	7:40	74,395	**58,500**	24
2	7:00	74,980	**118,900**	24
3			**118,900**	24
4			**118,900**	24
5	7:15	78,547	**101,800**	24
6	8:30	79,565	**47,500**	24
7	7:00	80,040	**48,500**	24
8	6:50	80,525	**172,100**	24
9	8:00	82,246	**80,267**	24
10			**80,267**	24
11			**80,267**	24
12	8:00	84,654	**74,500**	24
13	9:00	85,399	**75,800**	24
14	8:15	86,157	**71,300**	24
15	8:18	86,870	**67,000**	24
16	7;50	87,540	**63,700**	24
17			**63,700**	24
18			**63,700**	24
19	7:15	89,451	**62,200**	24
20	7:20	90,073	**52,500**	24
21	7:00	90,598	**73,400**	24
22	7:45	91,332	**76,300**	24
23	9:00	92,095	**67,367**	24
24			**67,367**	24
25			**67,367**	24
26	7:30	94,116	**65,900**	24
27	8:00	94,775	**64,900**	24
28	8:40	95,424	**62,100**	24
29	8:00	96,045	**62,100**	24
30	7:45	96,666	**60,600**	24
31			**60,600**	24
1-Apr				24
2-Apr	7:40	98484		24

No. of Days Discharging
31

Total Flow (gallons)
2,348,300

Average Daily Flow (gallons)
75,752

Maximum Daily Flow (gallons)
172,100

Minimum Daily Flow (gallons)
47,500

Table 2

PELHAM BAY LANDFILL

LEACHATE FLOW

PUMP STATION D-1 TO WWTP FORCE MAIN

Month: April 2018

Date	Time of Reading	TOTALIZER READING (100 gallons)	FLOW (gallons)	Total Discharge Hours
1			63,100	24
2	7:40	98,484	63,100	24
3	7:00	99,115	85,800	24
4	7:05	99,973	80,700	24
5	7:10	100,780	71,800	24
6	7:40	101,498	64,867	24
7			64,867	24
8			64,867	24
9	7:00	103,444	62,200	24
10	7:30	104,066	59,800	24
11	7:15	104,664	59,700	24
12	6:45	105,261	59,900	24
13	7:00	105,860	65,333	24
14			65,333	24
15			65,333	24
16	10:30	107,820	118,500	24
17	7:40	109,005	104,800	24
18	8:00	110,053	81,200	24
19	7:00	110,865	80,300	24
20	7:30	111,668	67,733	24
21			67,733	24
22			67,733	24
23	7:15	113,700	64,000	24
24	7:25	114,340	57,200	24
25	7:50	114,912	53,400	24
26	7:10	115,446	54,300	24
27	7:00	115,989	53,800	24
28			53,800	24
29			53,800	24
30	6:45	117,603	58,000	24
1-May	8:20	118,183		24

No. of Days Discharging
30

Total Flow (gallons)
2,032,999

Average Daily Flow (gallons)
67,767

Maximum Daily Flow (gallons)
118,500

Minimum Daily Flow (gallons)
53,400

Table 2

PELHAM BAY LANDFILL

LEACHATE FLOW

PUMP STATION D-1 TO WWTP FORCE MAIN

Month: May 2018

Date	Time of Reading	TOTALIZER READING (100 gallons)	FLOW (gallons)	Total Discharge Hours
1	8:20	118,183	**55,500**	24
2	9:15	118,738	**48,200**	24
3	6:45	119,220	**54,800**	24
4	7:00	119,768	**54,467**	24
5			**54,467**	24
6			**54,467**	24
7	6:45	121,402	**56,800**	24
8	7:45	121,970	**55,900**	24
9	8:30	122,529	**50,100**	24
10	6:45	123,030	**53,200**	24
11	6:45	123,562	**53,867**	24
12			**53,867**	24
13			**53,867**	24
14	6:35	125,178	**58,800**	24
15	9:00	125,766	**55,100**	24
16	9:20	126,317	**54,600**	24
17	9:00	126,863	**51,300**	24
18	7:15	127,376	**60,733**	24
19			**60,733**	24
20			**60,733**	24
21	9;00	129,198	**59,600**	24
22	9:30	129,794	**52,100**	24
23	6;45	130,315	**64,900**	24
24	8:50	130,964	**57,200**	24
25	8:30	131,536	**56,725**	24
26			**56,725**	24
27			**56,725**	24
28	Holiday		**56,725**	24
29	6:45	133,805	**54,900**	24
30	9:15	134,354	**43,800**	24
31	6:35	134,792	**49,800**	24
1-Jun	6:45	135,290		

No. of Days Discharging
31

Total Flow (gallons)
1,710,700

Average Daily Flow (gallons)
55,184

Maximum Daily Flow (gallons)
64,900

Minimum Daily Flow (gallons)
43,800

Table 2

PELHAM BAY LANDFILL

LEACHATE FLOW

PUMP STATION D-1 TO WWTP FORCE MAIN

Month: June 2018

Date	Time of Reading	TOTALIZER READING (100 gallons)	FLOW (gallons)	Total Discharge Hours	
1	6:45	135,290	**49,333**	24	(1)
2			**49,333**	24	(1)
3			**49,333**	24	(1)
4	7:00	136,770	**50,100**	24	
5	7:15	137,271	**48,300**	24	
6	6:40	137,754	**48,500**	24	
7	6:35	138,239	**49,700**	24	
8	7:15	138,736	**48,100**	24	(1)
9			**48,100**	24	(1)
10			**48,100**	24	(1)
11	6;45	140,179	**49,300**	24	
12	7:15	140,672	**48,000**	24	
13	6:45	141,152	**52,000**	24	
14	8:00	141,672	**46,500**	24	
15	7:00	142,137	**6,500**	24	(1) (2)
16			**6,500**	24	(1)
17			**6,500**	24	(1)
18	6;40	142,332	**4,300**	24	
19	7:45	142,375	**4,100**	24	
20	9:00	142,416	**3,500**	24	
21	7:00	142,451	**4,000**	24	
22	7;00	142,491	**3,967**	24	(1)
23			**3,967**	24	(1)
24			**3,967**	24	(1)
25	9:05	142,610	**3,300**	24	
26	6:50	142,643	**3,500**	24	
27	7;25	142,678	**3,800**	24	
28	9:00	142,716	**3,300**	24	
29	8:30	142,749	**3,233**	24	(1)
30			**3,233**	24	(1)
2-Jul	7;45	142,846			

No. of Days Discharging
30

Total Flow (gallons)
752,367

Average Daily Flow (gallons)
25,079

Maximum Daily Flow (gallons)
52,000

Minimum Daily Flow (gallons)
3,233

Table 2

PELHAM BAY LANDFILL

LEACHATE FLOW

PUMP STATION D-1 TO WWTP FORCE MAIN

Month: July 2018

Date	Time of Reading	TOTALIZER READING (100 gallons)	FLOW (gallons)	Total Discharge Hours	
29-Jun	8:30	142,749			
1			3,233	24	(1)
2	7:45	142,846	2,900	24	
3	7:00	142,875	3,050	24	(1)
4		Holiday.	3,050	24	(1)
5	7:10	142,936	2,600	24	
6	6:45	142,962	2,800	24	(1)
7			2,800	24	(1)
8			2,800	24	(1)
9	9:03	143,046	2,900	24	
10	8:30	143,075	2,900	24	
11	9:10	143,104	2,100	24	
12	6:40	143,125	2,400	24	
13	8:30	143,149	2,167	24	(1)
14			2,167	24	(1)
15			2,167	24	(1)
16	6:30	143,214	2,200	24	
17	7:19	143,236	5,500	24	
18	6:10	143,291	4,400	24	
19	9:00	143,335	3,000	24	
20	8:30	143,365	3,267	24	(1)
21			3,267	24	(1)
22			3,267	24	(1)
23	7:50	143,463	4,600	24	
24	7:00	143,509	2,800	24	
25	7:00	143,537	7,400	24	
26	7:30	143,611	4,800	24	
27	7:00	143,659	4,167	24	(1)
28			4,167	24	(1)
29			4,167	24	(1)
30	9:00	143,784	3,100	24	
31	9:00	143,815	2,300	24	
1-Aug	6:40	143,838			

No. of Days Discharging
31

Total Flow (gallons)
102,433

Average Daily Flow (gallons)
3,304

Maximum Daily Flow (gallons)
7,400

Minimum Daily Flow (gallons)
2,100

Table 2

PELHAM BAY LANDFILL

LEACHATE FLOW

PUMP STATION D-1 TO WWTP FORCE MAIN

Month: August 2018

Date	Time of Reading	TOTALIZER READING (100 gallons)	FLOW (gallons)	Total Discharge Hours	
1	6:40	143,838	**3,700**	24	
2	9:15	143,875	**3,300**	24	
3	8:05	143,908	**3,967**	24	(1)
4			**3,967**	24	(1)
5			**3,967**	24	(1)
6	7:00	144,027	**4,000**	24	
7	6:15	144,067	**3,100**	24	
8	6:30	144,098	**6,300**	24	(2)
9	8:50	144,161	**4,700**	24	
10	7:00	144,208	**8,100**	24	(1)
11			**8,100**	24	(1)
12			**8,100**	24	(1)
13	6:45	144,451	**8,500**	24	
14	10:30	144,536	**8,300**	24	
15	6:19	144,619	**9,200**	24	
16	7:05	144,711	**10,800**	24	
17	7:00	144,819	**11,167**	24	(1)
18			**11,167**	24	(1)
19			**11,167**	24	(1)
20	6:45	145,154	**10,100**	24	
21	7:00	145,255	**12,500**	24	
22	6:50	145,380	**11,900**	24	
23	7:30	145,499	**9,100**	24	
24	7:00	145,590	**11,167**	24	(1)
25			**11,167**	24	(1)
26			**11,167**	24	(1)
27	6:45	145,925	**11,400**	24	
28	7:10	146,039	**10,500**	24	
29	6:35	146,144	**10,800**	24	
30	6:45	146,252	**10,500**	24	
31	7:00	146,357	**10,400**	24	(1)
4-Sep	6:45	146,773			

No. of Days Discharging
31

Total Flow (gallons)
262,300

Average Daily Flow (gallons)
8,461

Maximum Daily Flow (gallons)
12,500

Minimum Daily Flow (gallons)
3,100

(1) Estimated flows for weekends and holidays (readings not taken).

(2) Flow meter, calibrated on June 15, 2018, is loosing calibration. Contacting manufacturer for calibration and/or replacement.

Table 2

PELHAM BAY LANDFILL

LEACHATE FLOW

PUMP STATION D-1 TO WWTP FORCE MAIN

Month: September 2018

Date	Time of Reading	TOTALIZER READING (100 gallons)	FLOW (gallons)	Total Discharge Hours	
31-Aug	7:00	146,357			
1			10,400	24	(1)
2			10,400	24	(1)
3		Holiday.	10,400	24	(1)
4	6:45	146,773	12,200	24	
5	10:10	146,895	9,400	24	
6	8:00	146,989	10,000	24	
7	7:00	147,089	8,700	24	(1)
8			8,700	24	(1)
9			8,700	24	(1)
10	6:45	147,350	7,100	24	
11	8:30	147,421	6,800	24	
12	6:45	147,489	3,900	24	(2)
13	10:20	147,528	1,300	24	
14	8:00	147,541	3,000	24	(1)
15			3,000	24	(1)
16			3,000	24	(1)
17	7:00	147,631	2,500	24	
18	7:30	147,656	3,200	24	
19	8:45	147,688	2,600	24	
20	7:10	147,714	2,800	24	
21	7:20	147,742	2,333	24	(1)
22			2,333	24	(1)
23			2,333	24	(1)
24	8;00	147,812	2,100	24	
25	7:45	147,833	4,800	24	
26	7:00	147,881	5,600	24	
27	7:45	147,937	5,200	24	
28	8:45	147,989	5,433	24	(1)
29			5,433	24	(1)
30			5,433	24	(1)
1-Oct	8:20	148,152			

No. of Days Discharging
30

Total Flow (gallons)
169,100

Average Daily Flow (gallons)
5,637

Maximum Daily Flow (gallons)
12,200

Minimum Daily Flow (gallons)
1,300

(1) Estimated flows for weekends and holidays (readings not taken).
(2) Meter calibrated again.

Table 2

PELHAM BAY LANDFILL

LEACHATE FLOW

PUMP STATION D-1 TO WWTP FORCE MAIN

Month: October 2018

Date	Time of Reading	TOTALIZER READING (100 gallons)	FLOW (gallons)	Total Discharge Hours	
1	8:20	148,152	**3,900**	24	
2	8:30	148,191	**4,200**	24	
3	7:00	148,233	**4,300**	24	
4	7:30	148,276	**3,900**	24	
5	7:15	148,315	**3,267**	24	(1)
6			**3,267**	24	(1)
7			**3,267**	24	(1)
8	7:30	148,413	**2,700**	24	
9	7:15	148,440	**3,000**	24	
10	7:15	148,470	**3,000**	24	
11	7:40	148,500	**3,700**	24	
12	7:45	148,537	**4,467**	24	(1)
13			**4,467**	24	(1)
14			**4,467**	24	(1)
15	7:30	148,671	**3,700**	24	
16	7:30	148,708	**3,400**	24	
17	7:00	148,742	**3,300**	24	
18	8:10	148,775	**2,700**	24	
19	8:06	148,802	**2,633**	24	(1)
20			**2,633**	24	(1)
21			**2,633**	24	(1)
22	8:15	148,881	**2,500**	24	
23	8:50	148,906	**2,100**	24	
24	7:55	148,927	**2,000**	24	
25	7:45	148,947	**2,100**	24	
26	7:15	148,968	**3,633**	24	(1)
27			**3,633**	24	(1)
28			**3,633**	24	(1)
29	8:00	149,077	**3,300**	24	
30	8:00	149,110	**3,200**	24	
31	8:00	149,142	**3,000**	24	(1)
1-Nov	7:30	149,172			

No. of Days Discharging
31

Total Flow (gallons)
102,000

Average Daily Flow (gallons)
3,290

Maximum Daily Flow (gallons)
4,467

Minimum Daily Flow (gallons)
2,000

(1) Estimated flows for weekends and holidays (readings not taken).

Table 2

PELHAM BAY LANDFILL

LEACHATE FLOW

PUMP STATION D-1 TO WWTP FORCE MAIN

Month: November 2018

Date	Time of Reading	TOTALIZER READING (100 gallons)	FLOW (gallons)	Total Discharge Hours	
1	7:30	149,172	**3,000**	24	
2	8:10	149,202	**2,867**	24	(1)
3			**2,867**	24	(1)
4			**2,867**	24	(1)
5	8:00	149,288	**4,800**	24	(1)
6	Holiday		**4,800**	24	(1)
7	7:00	149,384	**5,700**	24	
8	7:20	149,441	**4,300**	24	
9	7:15	149,484	**5,600**	24	(1)
10			**5,600**	24	(1)
11			**5,600**	24	(1)
12	7:15	149,652	**5,700**	24	
13	7:20	149,709	**8,500**	24	
14	7:25	149,794	**6,700**	24	
15	9:00	149,861	**8,100**	24	
16	9:15	149,942	**10,133**	24	(1)
17			**10,133**	24	(1)
18			**10,133**	24	(1)
19	6:45	150,246	**6,200**	24	
20	7:50	150,308	**5,600**	24	
21	8:00	150,364	**4,700**	24	(1)
22	Holiday		**4,700**	24	(1)
23	8:30	150,458	**6,500**	24	(1)
24			**6,500**	24	(1)
25			**6,500**	24	(1)
26	7:30	150,653	**11,000**	24	
27	7:40	150,763	**9,900**	24	
28	7:30	150,862	**7,300**	24	
29	7:45	150,935	**5,700**	24	
30	7:15	150,992	**6,800**	24	(1)
3-Dec.	7:00	151,196			

No. of Days Discharging
30

Total Flow (gallons)
188,800

Average Daily Flow (gallons)
6,293

Maximum Daily Flow (gallons)
11,000

Minimum Daily Flow (gallons)
2,867

(1) Estimated flows for weekends and holidays (readings not taken).

Table 2

PELHAM BAY LANDFILL

LEACHATE FLOW

PUMP STATION D-1 TO WWTP FORCE MAIN

Month: December 2018

Date	Time of Reading	TOTALIZER READING (100 gallons)	FLOW (gallons)	Total Discharge Hours	
30-Nov	7:15	150,992			
1			**6,800**	24	(1)
2			**6,800**	24	(1)
3	7:00	151,196	**7,400**	24	
4	7:20	151,270	**7,400**	24	
5	11:00	151,344	**5,300**	24	
6	8:52	151,397	**4,300**	24	
7	7:15	151,440	**5,333**	24	(1)
8			**5,333**	24	(1)
9			**5,333**	24	(1)
10	7:26	151,600	**5,100**	24	
11	8:00	151,651	**4,700**	24	
12	8:00	151,698	**4,900**	24	
13	9:20	151,747	**4,100**	24	
14	9:00	151,788	**6,167**	24	(1)
15			**6,167**	24	(1)
16			**6,167**	24	(1)
17	8:30	151,973	**8,100**	24	
18	7:10	152,054	**7,300**	24	
19	9:15	152,127	**5,600**	24	
20	7:45	152,183	**6,500**	24	
21	8:00	152,248	**37,100**	24	(1) (2)
22			**37,100**	24	(1)
23			**37,100**	24	(1)
24	10:30	153,361	**31,000**	24	(1)
25	Holiday		**31,000**	24	(1)
26	10:15	153,981	**28,200**	24	
27	8:00	154,263	**30,900**	24	
28	9:00	154,572	**34,233**	24	(1)
29			**34,233**	24	(1)
30			**34,233**	24	(1)
31	10:20	155,599	**31,700**	24	(1)
2-Jan	7:00	156,233			

No. of Days Discharging
31

Total Flow (gallons)
485,600

Average Daily Flow (gallons)
15,665

Maximum Daily Flow (gallons)
37,100

Minimum Daily Flow (gallons)
4,100

(1) Estimated flows for weekends and holidays (readings not taken).
(2) Heavy rain.

B: Landfill Gas Daily Flow & Daily Flare Gas Monitoring Results

PELHAM BAY LANDFILL

Table 1: LANDFILL GAS MANAGEMENT SYSTEM

Month: January 2018

			FLARE			BLOWERS				
			Instant Flow (SCFM)	TOTALIZER (MSCF)	Daily Flow (SCF)	Elapsed Time (Minutes)		Run Time (Hours)	COMMENTS	TECH
	Date	Time				Blower No. 1	Blower No. 2			
Monday	1	Holiday							Holiday.	
Tuesday	2	10:00	1,201	1.2940	**593,895**	94294.3	28136.8	**8.2**	Changed nitrogen tank at flare.	AMD
Wednesday	3	10:05	1,210	1.2950	**578,380**	94294.3	28631.3	**8.0**	Flare 6:00 a.m.-2:00 p.m.	AMD
Thursday	4	10:05	1,190	1.2950	**562,632**	94294.3	29109.3	**7.9**	Flare 6:00 a.m.-2:00 p.m.	AMD
Friday	5	10:05	1,182	1.2960	**533,200**	94294.3	29582.1	**7.5**	Flare 6:00 a.m.-2:00 p.m.	AMD
Saturday	6								Flare off.	
Sunday	7								Flare off.	
Monday	8	10:20	1,140	1.2960	**524,514**	94294.3	30033.2	**7.7**	Flame failure 7:30 a.m.	AMD
Tuesday	9	10:00	1,182	1.2970	**585,208**	94294.3	30493.3	**8.3**	Flare 6:00 a.m.-2:00 p.m.	AMD
Wednesday	10	10:00	1,205	1.2970	**587,438**	94294.3	30988.4	**8.1**	Flare 6:00 a.m.-2:00 p.m.	AMD
Thursday	11	10:00	1,202	1.2980	**579,003**	94294.3	31475.9	**8.0**	Flare 6:00 a.m.-2:00 p.m.	AMD
Friday	12	10:00	1,156	1.2980	**557,192**	94294.3	31957.6	**8.0**	Flare 6:00 a.m.-2:00 p.m.	AMD
Saturday	13								Flare off.	
Sunday	14								Flare off.	
Monday	15	Holiday							Holiday.	
Tuesday	16	10:00	1,204	1.2990	**555,405**	94294.3	32439.6	**7.7**	Flare 6:00 a.m.-2:00 p.m.	AMD
Wednesday	17	10:05	1,166	1.2990	**555,249**	94294.3	32900.9	**7.9**	Flame failure 8:00 a.m.	AMD
Thursday	18	10:00	1,196	1.3000	**580,180**	94294.3	33377.1	**8.1**	Flare 6:00 a.m.-2:00 p.m.	AMD
Friday	19	10:00	1,150	1.3000	**555,105**	94294.3	33862.2	**8.0**	Flare 6:00 a.m.-2:00 p.m.	AMD
Saturday	20								Flare off.	AMD
Sunday	21								Flare off.	AMD
Monday	22	10:00	1,164	1.3010	**547,778**	94555.6	34083.6	**7.8**	Switched to blower 1.	AMD
Tuesday	23	10:00	1,186	1.3020	**765,326**	95026.2	34083.6	**10.8**	Flame failure 7:15 a.m.	AMD
Wednesday	24	12:30	1,157	1.3020	**381,579**	95671.5	34083.6	**5.5**	Flare 6:00 a.m.-2:00 p.m.	AMD
Thursday	25	10:00	1,174	1.3030	**553,306**	96001.3	34083.6	**7.9**	Flare 6:00 a.m.-2:00 p.m.	AMD
Friday	26	10:00	1,193	1.3030	**577,173**	96472.6	34083.6	**8.1**	Flare 6:00 a.m.-2:00 p.m.	AMD
Saturday	27								Flare off.	
Sunday	28								Flare off.	
Monday	29	10:00	1,203	1.3040	**566,132**	96956.4	34083.6	**7.8**	Changed nitrogen tank at flare.	AMD
Tuesday	30	10:00	1,194	1.3040	**583,030**	97427	34083.6	**8.1**	Flare 6:00 a.m.-2:00 p.m.	AMD
Wednesday	31	10:05	1,191	1.3050	**587,044**	97915.3	34083.6	**8.2**	Flare 6:00 a.m.-2:00 p.m.	AMD
Thursday	1	10:00	1,192	1.3060		98408.2	34083.6		Flare 6:00 a.m.-2:00 p.m.	AMD
				Total (SCF):	**11,908,769**	Total Run Time (hrs):		**167.7**		
			Average Daily Flow during system operation.		**567,084**	Percent Run Time		**22.5%**	Average Flow Rate per Minute (SCFM):	**1,184**

PELHAM BAY LANDFILL
LANDFILL GAS MANAGEMENT SYSTEM

Month: January 2018

DATE	Time	CONCENTRATION % BY VOLUME			TEMP (^{o}F)	PRESS. HEAD (in. WC)	TECH
		Methane	CO_2	Oxygen			
1/1	Holiday						
1/2	10:05	29.1	17.0	0.9	68	2.5	AMD
1/3	10:10	28.8	16.8	1.0	67	2.5	AMD
1/4	10:10	28.0	16.2	0.8	72	2.0	AMD
1/5	10:10	28.2	16.3	1.2	62	2.5	AMD
1/8	10:25	29.2	17.2	1.1	74	2.5	AMD
1/9	10:05	27.6	15.4	1.1	72	2.0	AMD
1/10	10:05	27.2	15.2	0.9	74	2.5	AMD
1/11	10:05	26.8	15.0	1.1	76	2.5	AMD
1/12	10:05	29.4	16.0	0.6	84	2.5	AMD
1/15	Holiday						
1/16	10:05	27.3	15.9	0.9	78	2.5	AMD
1/17	10:10	26.8	15.4	1.0	74	2.5	AMD
1/18	10:05	27.4	16.4	0.8	76	2.5	AMD
1/19	10:05	28.0	15.7	1.0	74	2.0	AMD
1/22	10:05	27.0	15.6	1.2	80	2.5	AMD
1/23	10:05	26.6	15.2	0.9	78	2.5	AMD
1/24	12:35	26.4	15.6	1.2	88	2.5	AMD
1/25	10;05	26.8	16.0	1.0	76	2.5	AMD
1/26	10:05	25	14.5	0.9	86	2.5	AMD
1/29	10:05	28.2	16.1	1.3	78	2.0	AMD
1/30	10:05	27.8	15.8	1.0	76	2.5	AMD
1/31	10:10	27.2	15.2	0.9	74	2.5	AMD
Average:		**27.6**	**15.8**	**1.0**	**75.6**	**2.4**	
Maximum:		**29.4**	**17.2**	**1.3**	**88.0**	**2.5**	
Minimum:		**25.0**	**14.5**	**0.6**	**62.0**	**2.0**	

PELHAM BAY LANDFILL

Table 1: LANDFILL GAS MANAGEMENT SYSTEM

Month: February 2018

			FLARE			BLOWERS				
						Elapsed Time (Minutes)				
	Date	Time	Instant Flow (SCFM)	TOTALIZER (MSCF)	Daily Flow (SCF)	Blower No. 1	Blower No. 2	Run Time (Hours)	COMMENTS	TECH
Thursday	1	10:00	1,192	1.3060	**558,214**	98408.2	34083.6	**7.8**	Flare 6:00 a.m.-2:00 p.m.	AMD
Friday	2	10:05	1,189	1.306	**402,595**	98876.5	34083.6	**5.6**	Flame failure 6:30 a.m.	AMD
Saturday	3								Flare off.	
Sunday	4								Flare off.	
Monday	5	9:22	1,147	1.3060	**523,261**	99215.1	34083.6	**7.6**	Flare 6:00 a.m.-2:00 p.m.	EM
Tuesday	6	8:44	1,588	1.3070	**762,240**	99671.3	34083.6	**8.0**	Flare 6:00 a.m.-2:00 p.m. (etm#1 reset)	EM
Wednesday	7	8:55	1,535	1.3060	**766,886**	98.1	34083.6	**8.3**	Flare 6:00 a.m.-2:00 p.m.	EM
Thursday	8	10:05	1,267	1.3090	**591,562**	597.7	34083.6	**7.8**	Flare 6:00 a.m.-2:00 p.m.	AMD
Friday	9	10:00	1,245	1.3090	**658,854**	1064.6	34083.6	**8.8**	Flare 6:00 a.m.-2:00 p.m.	AMD
Saturday	10								Flare off.	
Sunday	11								Flare off.	
Monday	12	10:20	1,165	1.3100	**472,058**	1347.9	34329.5	**6.8**	Switched to blower 2.	AMD
Tuesday	13	10:00	1,213	1.3100	**571,566**	1347.9	34734.7	**7.9**	Flare 6:00 a.m.-2:00 p.m.	AMD
Wednesday	14	10:00	1,206	1.3110	**433,195**	1347.9	35205.9	**6.0**	Flare 6:00 a.m.-2:00 p.m.	AMD
Thursday	15	7:50	1,194	1.3110	**309,365**	1347.9	35565.1	**4.3**	Maintainance at flare, off 8:00a.m.	AMD
Friday	16	10:00	1,177	1.3120	**702,669**	1347.9	35824.2	**10.0**	Flare 6:00 a.m.-2:00 p.m.	AMD
Saturday	17								Flare off.	
Sunday	18								Flare off.	
Monday	19								Holiday.	
Tuesday	20	11:45	1,165	1.3120	**383,984**	1347.9	36421.2	**5.5**	Flare 6:00 a.m.-2:00 p.m.	AMD
Wednesday	21	9:10	1,209	1.3130	**647,661**	1347.9	36750.8	**8.9**	Flare 6:00 a.m.-2:00 p.m.	AMD
Thursday	22	10:05	1,212	1.3130	**588,668**	1347.9	37286.5	**8.1**	Flare 6:00 a.m.-2:00 p.m.	AMD
Friday	23	10:00	1,235	1.3140	**600,457**	1347.9	37772.2	**8.1**	Nitrogen tank changed at flare.	AMD
Saturday	24								Flare off.	
Sunday	25								Flare off.	
Monday	26	10:00	1,197	1.3140	**580,186**	1347.9	38258.4	**8.1**	Flare 6:00 a.m.-2:00 p.m.	AMD
Tuesday	27	10:00	1,205	1.3150	**586,594**	1347.9	38743.1	**8.1**	Flare 6:00 a.m.-2:00 p.m.	AMD
Wednesday	28	10:00	1,202	1.3160	**584,172**	1347.9	39229.9	**8.1**	Flare 6:00 a.m.-2:00 p.m.	AMD
Thursday	1	10:00	1,199	1.3160		1347.9	39715.9		Flare 6:00 a.m.-2:00 p.m.	AMD
				Total (SCF):	**10,724,189**	Total Run Time (hrs):		**143.8**		
Average Daily Flow during system operation.					**564,431**	Percent Run Time		**21.4%**	Average Flow Rate per Minute (SCFM):	**1,243**

PELHAM BAY LANDFILL
LANDFILL GAS MANAGEMENT SYSTEM

Month: February 2018

DATE	Time	CONCENTRATION % BY VOLUME			TEMP (^{o}F)	PRESS. HEAD (in. WC)	TECH
		Methane	CO_2	Oxygen			
2/1	10:05	27.4	15.6	1.2	80	2.5	AMD
2/2	10:10	27.8	15.9	1.0	74	2.5	AMD
2/5	9:29	28.1	15.9	1.4	75	2.5	EM
2/6	10:00	25.3	15.2	1.5	74	2.0	EM
2/7	10:05	27.1	15.6	1.1	64	1.5	EM
2/8	10:10	26.6	15.3	1.0	78	2.5	AMD
2/9	10:05	27.5	15.8	0.9	76	2.5	AMD
2/12	10:25	27.2	16.5	1.0	80	2.5	AMD
2/13	10:05	26.6	16.0	0.9	82	2.0	AMD
2/14	10:05	27.5	16.7	1.1	84	2.5	AMD
2/15	7:55	30.3	17.2	0.4	84	2.5	AMD
2/16	10:05	29.2	17.0	0.6	86	2.5	AMD
2/19	Holiday						
2/20	11:50	26.7	16.2	0.7	96	2.5	AMD
2/21	9:15	26.0	15.8	0.8	94	2.0	AMD
2/22	10:10	27.2	16.8	1.1	86	2.5	AMD
2/23	10:05	27.0	14.9	0.8	78	2.0	AMD
2/26	10:05	28.7	16.6	0.7	84	2.5	AMD
2/27	10:05	28.1	16.2	1.0	96	2.5	AMD
2/28	10:05	28.4	16.6	0.8	92	2.0	AMD
Average:		**27.5**	**16.1**	**0.9**	**82**	**2.3**	
Maximum:		**30.3**	**17.2**	**1.5**	**96**	**2.5**	
Minimum:		**25.3**	**14.9**	**0.4**	**64**	**1.5**	

PELHAM BAY LANDFILL

Table 1: LANDFILL GAS MANAGEMENT SYSTEM

Month: March 2018

			FLARE			BLOWERS				
			Instant Flow (SCFM)	TOTALIZER (MSCF)	Daily Flow (SCF)	Elapsed Time (Minutes)		Run Time (Hours)		
	Date	Time				Blower No. 1	Blower No. 2		COMMENTS	TECH
Thursday	1	10:00	1,199	1.3160	**731,150**	1347.9	39715.9	**10.2**	Flare 6:00 a.m.-2:00 p.m.	AMD
Friday	2								Flare off,flame failures due to storm.	AMD
Saturday	3								Flare off.	
Sunday	4								Flare off.	
Monday	5	10:00	1,208	1.3170	**586,484**	1347.9	40325.7	**8.1**	Flare 6:00 a.m.-2:00 p.m.	AMD
Tuesday	6	10:00	1,169	1.3180	**558,431**	1347.9	40811.2	**8.0**	Flare 6:00 a.m.-2:00 p.m.	AMD
Wednesday	7	10:00	1,195	1.3180	**480,629**	1347.9	41288.9	**6.7**	Flame failure 12:22 p.m.	AMD
Thursday	8	10:00	1,184	1.3180	**583,238**	1347.9	41691.1	**8.2**	Flare 6:00 a.m.-2:00 p.m.	AMD
Friday	9	10:05	1,192	1.3190	**424,710**	1347.9	42183.7	**5.9**	Flare 6:00 a.m.-2:00 p.m.	AMD
Saturday	10								Flare off.	
Sunday	11								Flare off.	
Monday	12	8:10	1,235	1.3190	**309,985**	1347.9	42540	**4.2**	Flare off 8:15 a.m. Installing new alarm.	AMD
Tuesday	13	10:00	1,202	1.3200	**585,013**	1347.9	42791	**8.1**	Flare 6:00 a.m.-2:00 p.m.	AMD
Wednesday	14	10:00	1,192	1.3200	**397,532**	1347.9	43277.7	**5.6**	Flare 6:00 a.m.-2:00 p.m.	AMD
Thursday	15	8:21	1,216	1.3200	**725,587**	1347.9	43611.2	**9.9**	Flare 6:00 a.m.-2:00 p.m.	EM
Friday	16	10:00	1,199	1.3210	**581,635**	1347.9	44207.9	**8.1**	Flare 6:00 a.m.-2:00 p.m.	AMD
Saturday	17								Flare off.	
Sunday	18								Flare off.	
Monday	19	10:00	1,202	1.3220	**582,369**	1347.9	44693	**8.1**	Flare 6:00 a.m.-2:00 p.m.	AMD
Tuesday	20	10:00	1,210	1.3220	**583,704**	1347.9	45177.5	**8.0**	Flare 6:00 a.m.-2:00 p.m.	AMD
Wednesday	21	10:00	1,205	1.3230	**500,316**	1347.9	45659.9	**6.9**	Flame failure 12:45 p.m.	AMD
Thursday	22	10:00	1,208	1.3230	**581,531**	1347.9	46075.1	**8.0**	Flare 6:00 a.m.-2:00 p.m.	AMD
Friday	23	10:00	1,198	1.3240	**576,358**	1347.9	46556.5	**8.0**	Flare 6:00 a.m.-2:00 p.m.	AMD
Saturday	24								Flare off.	
Sunday	25								Flare off.	
Monday	26	10;00	1,215	1.3240	**590,126**	1347.9	47037.6	**8.1**	Flare 6:00 a.m.-2:00 p.m.	AMD
Tuesday	27	10:00	1,232	1.3250	**594,810**	1347.9	47523.3	**8.0**	Flare 6:00 a.m.-2:00 p.m.	AMD
Wednesday	28	10:00	1,210	1.3260	**582,615**	1347.9	48006.1	**8.0**	Flare 6:00 a.m.-2:00 p.m.	AMD
Thursday	29	10:00	1,199	1.3260	**581,515**	1347.9	48487.6	**8.1**	Flare 6:00 a.m.-2:00 p.m.	AMD
Friday	30	10:00	1,204	1.3270	**567,686**	1347.9	48972.6	**7.9**	Flare 6:00 a.m.-2:00 p.m.	AMD
Saturday	31								Flare off.	
Sunday	1								Flare off.	
Monday	2	10:00	1,220	1.3270		1347.9	49444.1		Flare 6:00 a.m.-2:00 p.m.	AMD
				Total (SCF):	**11,705,424**	Total Run Time (hrs):		**162.1**		
			Average Daily Flow during system operation.		**557,401**	Percent Run Time		**21.8%**	Average Flow Rate per Minute (SCFM):	**1,203**

PELHAM BAY LANDFILL
LANDFILL GAS MANAGEMENT SYSTEM

Month: March 2018

DATE	Time	CONCENTRATION % BY VOLUME			TEMP (^{o}F)	PRESS. HEAD (in. WC)	TECH
		Methane	CO_2	Oxygen			
3/1	10:05	26.8	15.2	0.9	86	2.5	AMD
3/2		Flare	off.				AMD
3/5	10:05	27.5	16.4	0.7	80	2.5	AMD
3/6	10:05	26.8	15.2	1.0	78	2.5	AMD
3/7	10:05	27.8	16.7	0.9	76	2.5	AMD
3/8	10:05	28.4	16.8	0.6	86	2.0	AMD
3/9	10:10	28.0	16.2	0.8	84	2.5	AMD
3/12	8:15	28.4	17.1	0.6	78	2.0	AMD
3/13	10:05	27.6	16.7	1.0	76	2.5	AMD
3/14	10:05	26.4	15.2	0.9	82	2.5	AMD
3/15	10:00	28.2	15.7	0.7	80	2.0	AMD
3/16	10:05	27.4	15.0	0.9	84	2.5	AMD
3/19	10:05	26.9	15.6	1.0	84	2.5	AMD
3/20	10:05	26.2	15.0	0.9	82	2.0	AMD
3/21	10:05	27.8	16.2	1.1	80	2.0	AMD
3/22	10:05	26.8	15.7	1.0	86	2.5	AMD
3/23	10:05	26.0	15.2	0.8	84	2.0	AMD
3/26	10:05	27.6	15.9	1.0	84	2.5	AMD
3/27	10:05	26.5	14.8	0.9	86	2.5	AMD
3/28	10:05	26	14.2	1.0	82	2.0	AMD
3/29	10:05	27	15.0	0.8	82	2.5	AMD
3/30	10:05	27.4	15.5	1.2	92	2.5	AMD
Average:		**27.2**	**15.7**	**0.9**	**82.5**	**2.3**	
Maximum:		**28.4**	**17.1**	**1.2**	**92.0**	**2.5**	
Minimum:		**26.0**	**14.2**	**0.6**	**76.0**	**2.0**	

PELHAM BAY LANDFILL

Table 1: LANDFILL GAS MANAGEMENT SYSTEM

Month: April 2018

			FLARE			BLOWERS				
			Instant Flow (SCFM)	TOTALIZER (MSCF)	Daily Flow (SCF)	Elapsed Time (Minutes)		Run Time (Hours)	COMMENTS	TECH
	Date	Time				Blower No. 1	Blower No. 2			
Sunday	1								Flare off.	
Monday	2	10:00	1,220	1.3270	**577,914**	1347.9	49444.1	**7.9**	Flare 6:00 a.m.-2:00 p.m.	AMD
Tuesday	3	10:00	1,210	1.3280	**586,971**	1347.9	49917.8	**8.1**	Flare 6:00 a.m.-2:00 p.m.	AMD
Wednesday	4	10:00	1,199	1.3280	**570,604**	1347.9	50402.9	**7.9**	Flare 6:00 a.m.-2:00 p.m.	AMD
Thursday	5	10:00	1,206	1.3290	**585,272**	1347.9	50878.8	**8.1**	Flare 6:00 a.m.-2:00 p.m.	AMD
Friday	6	10:00	1,197	1.3300	**586,530**	1347.9	51364.1	**8.2**	Flare 6:00 a.m.-2:00 p.m.	AMD
Saturday	7								Flare off.	
Sunday	8								Flare off.	
Monday	9	10:00	1,210	1.3300	**576,565**	1347.9	51854.1	**7.9**	Flare 6:00 a.m.-2:00 p.m.	AMD
Tuesday	10	10:00	1,207	1.3310	**584,309**	1347.9	52330.6	**8.1**	Propane tank changed at flare.	AMD
Wednesday	11	10:00	1,199	1.3310	**572,163**	1347.9	52814.7	**8.0**	Flare 6:00 a.m.-2:00 p.m.	AMD
Thursday	12	10:00	1,205	1.3320	**559,000**	1347.9	53291.9	**7.7**	Nitrogen tank changed at flare.	AMD
Friday	13	10:00	1,201	1.3320	**563,389**	1347.9	53755.8	**7.8**	Flare 6:00 a.m.-2:00 p.m.	AMD
Saturday	14								Flare off.	
Sunday	15								Flare off.	
Monday	16								Flare off. Due to extreme rain.	AMD
Tuesday	17								Flare off.	AMD
Wednesday	18	10:00	1,210	1.3330	**582,615**	1347.9	54224.9	**8.0**	Flare 9:00 a.m.-2:00 p.m.	AMD
Thursday	19	10:00	1,204	1.3330	**587,070**	1347.9	54706.4	**8.1**	Flare 6:00 a.m.-2:00 p.m.	AMD
Friday	20	9:55	1,218	1.3340	**600,961**	1347.9	55194.0	**8.2**	Flare 6:00 a.m.-2:00 p.m.	AMD
Saturday	21								Flare off.	
Sunday	22								Flare off.	
Monday	23	10:00	1,214	1.3340	**582,963**	1347.9	55687.4	**8.0**	Flare 6:00 a.m.-2:00 p.m.	AMD
Tuesday	24	10:00	1,206	1.3350	**569,111**	1347.9	56167.6	**7.9**	Flare 6:00 a.m.-2:00 p.m.	AMD
Wednesday	25	10:00	1,201	1.3350	**568,794**	1347.9	56639.5	**7.9**	Flare 6:00 a.m.-2:00 p.m.	AMD
Thursday	26	10:00	1,199	1.3360	**576,239**	1347.9	57113.1	**8.0**	Flare 6:00 a.m.-2:00 p.m.	AMD
Friday	27	10:00	1,191	1.3360	**573,824**	1347.9	57593.7	**8.0**	Flare 6:00 a.m.-2:00 p.m.	AMD
Saturday	28								Flare off.	
Sunday	29								Flare off.	
Monday	30	10:00	1,208	1.3370	**590,350**	1347.9	58075.5	**8.1**	Flare 6:00 a.m.-2:00 p.m.	AMD
	1-May	10:00	1,167	1.3370		1347.9	58564.2		Flare 6:00 a.m.-2:00 p.m.	AMD
				Total (SCF):	**10,994,643**	Total Run Time (hrs):		**152.0**		
			Average Daily Flow during system operation.		**578,665**	Percent Run Time		**21.1%**	Average Flow Rate per Minute (SCFM):	**1,206**

PELHAM BAY LANDFILL

LANDFILL GAS MANAGEMENT SYSTEM

Month: April 2018

DATE	Time	CONCENTRATION % BY VOLUME			TEMP (^{o}F)	PRESS. HEAD (in. WC)	TECH
		Methane	CO_2	Oxygen			
4/2	10:05	28.2	16.1	1.0	80	2.5	AMD
4/3	10:05	26.5	14.8	1.1	84	2.0	AMD
4/4	10:05	26.0	14.3	0.9	86	2.5	AMD
4/5	10:05	27.2	15.0	0.8	84	2.5	AMD
4/6	10:05	27.6	15.7	1.0	82	2.0	AMD
4/9	10:05	27.2	15.4	0.9	90	2.5	AMD
4/10	10:05	26.9	14.8	1.0	86	2.5	AMD
4/11	10:05	26.0	14.2	0.8	88	2.5	AMD
4/12	10:05	27.4	15.5	0.9	86	2.0	AMD
4/13	10:05	27.1	15.0	1.0	88	2.5	AMD
4/16		Flare off.					AMD
4/17		Flare off.					AMD
4/18	10:05	29.2	16.7	0.9	90	2.5	AMD
4/19	10:05	27.8	16.2	0.7	86	2.0	AMD
4/20	10:00	25.6	14.9	1.1	90	2.5	AMD
4/23	10:05	27.6	16.1	0.8	98	2.5	AMD
4/24	10:05	27.0	15.7	0.9	96	2.5	AMD
4/25	10:05	28.2	16.4	1.1	94	2.5	AMD
4/26	10:05	27.1	16.0	0.9	102	2.5	AMD
4/27	10:05	26.7	15.8	1.0	82	2.5	AMD
4/30	10:05	26.4	16.0	0.9	96	2.5	AMD
Average:		**27.1**	**15.5**	**0.9**	**89**	**2.4**	
Maximum:		**29.2**	**16.7**	**1.1**	**102**	**2.5**	
Minimum:		**25.6**	**14.2**	**0.7**	**80**	**2.0**	

PELHAM BAY LANDFILL

Table 1: LANDFILL GAS MANAGEMENT SYSTEM

Month: May 2018

			FLARE			BLOWERS				
						Elapsed Time (Minutes)				
	Date	Time	Instant Flow (SCFM)	TOTALIZER (MSCF)	Daily Flow (SCF)	Blower No. 1	Blower No. 2	Run Time (Hours)	COMMENTS	TECH
Tuesday	1	10:00	1,167	1.3370	**561,444**	1347.9	58564.2	**8.0**	Flare 6:00 a.m.-2:00 p.m.	AMD
Wednesday	2	10:00	1,152	1.3380	**554,803**	1347.9	59045.3	**8.0**	Flare 6:00 a.m.-2:00 p.m.	AMD
Thursday	3	10:00	1,203	1.3380	**573,711**	1347.9	59526.9	**7.9**	Flare 6:00 a.m.-2:00 p.m.	AMD
Friday	4	9:50	1,199	1.3390	**591,107**	1347.9	60003.8	**8.2**	Flare 6:00 a.m.-2:00 p.m.	AMD
Saturday	5								Flare off.	
Sunday	6								Flare off.	
Monday	7	10:00	1,155	1.3400	**560,753**	1347.9	60496.8	**8.1**	Changed out nitrogen tank.	AMD
Tuesday	8	10:00	1,169	1.3400	**581,461**	1347.9	60982.3	**8.3**	Flare 6:00 a.m.-2:00 p.m.	AMD
Wednesday	9	10:05	1,163	1.3410	**555,798**	1347.9	61479.7	**8.0**	Flare 6:00 a.m.-2:00 p.m.	AMD
Thursday	10	10:05	1,160	1.3410	**546,940**	1347.9	61957.6	**7.9**	Flare 6:00 a.m.-2:00 p.m.	AMD
Friday	11	10:00	1,176	1.3420	**572,947**	1347.9	62429.1	**8.1**	Flare 6:00 a.m.-2:00 p.m.	AMD
Saturday	12								Flare off.	
Sunday	13								Flare off.	
Monday	14	10:00	1,170	1.3420	**563,472**	1347.9	62916.3	**8.0**	Flare 6:00 a.m.-2:00 p.m.	AMD
Tuesday	15	10:00	1,151	1.3430	**551,789**	1347.9	63397.9	**8.0**	Flare 6:00 a.m.-2:00 p.m.	AMD
Wednesday	16	10:00	1,161	1.3430	**568,774**	1347.9	63877.3	**8.2**	Flare 6:00 a.m.-2:00 p.m.	AMD
Thursday	17	10:00	1,172	1.3440	**664,641**	1347.9	64367.2	**9.5**	Flare 6:00 a.m.-2:00 p.m.	AMD
Friday	18	11:30	1,163	1.3440	**468,689**	1347.9	64934.3	**6.7**	Flare 6:00 a.m.-2:00 p.m.	AMD
Saturday	19								Flare off.	
Sunday	20								Flare off.	
Monday	21	10:00	1,158	1.3450	**566,494**	1347.9	65337.3	**8.2**	Flare 6:00 a.m.-2:00 p.m.	AMD
Tuesday	22	10:00	1,169	1.3450	**564,627**	1347.9	65826.5	**8.1**	Flare 6:00 a.m.-2:00 p.m.	AMD
Wednesday	23	10:00	1,182	1.3460	**570,551**	1347.9	66309.5	**8.0**	Flare 6:00 a.m.-2:00 p.m.	AMD
Thursday	24	10:00	1,176	1.3460	**568,243**	1347.9	66792.2	**8.1**	Flare 6:00 a.m.-2:00 p.m.	AMD
Friday	25	10:00	1,148	1.3470	**561,831**	1347.9	67275.4	**8.2**	Flare 6:00 a.m.-2:00 p.m.	AMD
Saturday	26								Flare off.	
Sunday	27								Flare off.	
Monday	28								Holiday	AMD
Tuesday	29	10:00	1,188	1.3480	**588,535**	1347.9	67764.8	**8.3**	Flare 6:00 a.m.-2:00 p.m.	AMD
Wednesday	30	10:06	1,157	1.3480	**527,361**	1347.9	68260.2	**7.6**	Flame failure 8:00 a.m.	AMD
Thursday	31	10:00	1,180	1.3490	**572,064**	1347.9	68716.0	**8.1**	Changed nitrogen tank.	AMD
	1	10:00	1,158	1.3490		1347.9	69200.8		Flare 6:00 a.m.-2:00 p.m.	AMD
				Total (SCF):	**12,436,034**	Total Run Time (hrs):		**177.3**		
			Average Daily Flow during system operation.		**565,274**	Percent Run Time		**23.8%**	Average Flow Rate per Minute (SCFM):	**1,169**

PELHAM BAY LANDFILL
LANDFILL GAS MANAGEMENT SYSTEM

Month: May 2018

DATE	Time	CONCENTRATION % BY VOLUME			TEMP (^{o}F)	PRESS. HEAD (in. WC)	TECH
		Methane	CO_2	Oxygen			
5/1	10:05	26.9	16.2	1.0	104	2.5	AMD
5/2	10:05	25.8	15.9	1.1	112	2.5	AMD
5/3	10:05	25.3	15.4	0.9	110	2.0	AMD
5/4	9:55	26.2	16.0	0.8	114	2.5	AMD
5/7	10:05	25.7	16.3	1.0	106	2.5	AMD
5/8	10:05	25.2	16.0	0.8	108	2.0	AMD
5/9	10:10	26.4	16.6	1.1	110	2.5	AMD
5/10	10:10	26.5	16.3	0.8	108	2.5	AMD
5/11	10:05	25.8	15.9	0.9	112	2.5	AMD
5/14	10:05	26.3	16.4	0.9	102	2.0	AMD
5/15	10:05	25.4	16.0	1.1	106	2.5	AMD
5/16	10:05	25.0	15.7	1.2	104	2.5	AMD
5/17	10:05	25.9	16.1	1.0	100	2.0	AMD
5/18	11;35	24.8	15.4	0.9	98	2.5	AMD
5/21	10:05	25.6	16.5	1.0	112	2.5	AMD
5/22	10:05	25.2	16.0	0.9	110	2.5	AMD
5/23	10:05	26.4	16.4	0.9	108	2.5	AMD
5/24	10:05	25.8	16.2	1.0	112	2.5	AMD
5/25	10:05	25.3	16.0	0.8	120	2.0	AMD
5/28	Holiday						AMD
5/29	10:00	26.4	17.0	0.7	118	2.5	AMD
5/30	10:09	26	16.8	1.0	114	2.0	AMD
5/31	10:05	27.8	17.4	1.1	108	2.5	AMD
Average:		**25.9**	**16.2**	**1.0**	**108.9**	**2.4**	
Maximum:		**27.8**	**17.4**	**1.2**	**120.0**	**2.5**	
Minimum:		**24.8**	**15.4**	**0.7**	**98.0**	**2.0**	

PELHAM BAY LANDFILL

Table 1: LANDFILL GAS MANAGEMENT SYSTEM

Month: June 2018

	Date	Time	FLARE			BLOWERS			COMMENTS	TECH
			Instant Flow (SCFM)	TOTALIZER (MMSCF)	Daily Flow (SCF)	Elapsed Time (Minutes)		Run Time (Hours)		
						Blower No. 1	Blower No. 2			
Friday	1	10:00	1,158	1.34900000	**552,134**	1347.9	69200.8	**7.9**	Flare 6:00 a.m.-2:00 p.m.	AMD
Saturday	2								Flare off.	
Sunday	3								Flare off.	
Monday	4	10:00	1,157	1.35000000	**584,054**	1347.9	69677.6	**8.4**	Flare 6:00 a.m.-2:00 p.m.	AMD
Tuesday	5	10:13	1,168	1.35000000	**544,171**	1347.9	70182.4	**7.8**	Flare 6:00 a.m.-2:00 p.m.	AMD
Wednesday	6	10:00	1,159	1.35100000	**574,516**	1347.9	70648.3	**8.3**	Flare 6:00 a.m.-2:00 p.m.	AMD
Thursday	7	10:05	1,172	1.35100000	**564,670**	1347.9	71144	**8.0**	Flare 6:00 a.m.-2:00 p.m.	AMD
Friday	8	10:00	1,161	1.35200000	**555,655**	1347.9	71625.8	**8.0**	Flare 6:00 a.m.-2:00 p.m.	AMD
Saturday	9								Flare off.	
Sunday	10								Flare off.	
Monday	11	9:58	1,146	1.35200000	**552,143**	1347.9	72104.4	**8.0**	Flare 6:00 a.m.-2:00 p.m.	AMD
Tuesday	12	7:15	1,177	1.35200000	**576,730**	1347.9	72586.2	**8.2**	Flare 6:00 a.m.-2:00 p.m.	AMD
Wednesday	13	10:05	1,149	1.35200000	**552,669**	1347.9	73076.2	**8.0**	Flare 6:00 a.m.-2:00 p.m.	AMD
Thursday	14	10:05	1,165	1.35200000	**463,088**	1347.9	73557.2	**6.6**	Flare 6:00 a.m.-2:00 p.m.	AMD
Friday	15	8:35	1,185	1.35400000	**635,871**	1347.9	73954.7	**8.9**	Flame failure 8:07 a.m.	AMD
Saturday	16								Flare off.	
Sunday	17								Flare off.	
Monday	18	10;08	1,192	1.35500500	**557,260**	1347.9	74491.3	**7.8**	Flame failure 7:00 a.m.,and 8:45 a.m.	AMD
Tuesday	19	10:00	1,186	1.35536742	**562,401**	1347.9	74958.8	**7.9**	Flare 6:00 a.m.-2:00 p.m.	AMD
Wednesday	20	10:00	1,177	1.35579467	**575,671**	1347.9	75433	**8.2**	Flare 6:00 a.m.-2:00 p.m.	AMD
Thursday	21	10:00	1,180	1.35604990	**582,094**	1347.9	75922.1	**8.2**	Flare 6:00 a.m.-2:00 p.m.	AMD
Friday	22	10:10	1,188	1.35643280	**565,013**	1347.9	76415.4	**7.9**	Flare 6:00 a.m.-2:00 p.m.	AMD
Saturday	23								Flare off.	
Sunday	24								Flare off.	
Monday	25	10:00	1,191	1.35674036	**572,871**	1347.9	76891	**8.0**	Flare 6:00 a.m.-2:00 p.m.	AMD
Tuesday	26	10:00	1,203	1.35721779	**576,959**	1347.9	77372	**8.0**	Flare 6:00 a.m.-2:00 p.m.	AMD
Wednesday	27	10:00	1,229	1.35780203	**587,339**	1347.9	77851.6	**8.0**	Flare 6:00 a.m.-2:00 p.m.	AMD
Thursday	28	10;02	1,199	1.35810637	**574,921**	1347.9	78329.5	**8.0**	Flare 6:00 a.m.-2:00 p.m.	AMD
Friday	29	10:00	1,210	1.35834205	**588,907**	1347.9	78809	**8.1**	Flare 6:00 a.m.-2:00 p.m.	AMD
Saturday	30								Flare off.	
2-Jul		10:04	1,214	1.35836256		1347.9	79295.7			AMD
				Total (SCF):	**11,899,135**	Total Run Time (hrs):		**168.2**		
Average Daily Flow during system operation.					**566,625**	Percent Run Time		**23.4%**	Average Flow Rate per Minute (SCFM):	**1,179**

PELHAM BAY LANDFILL

LANDFILL GAS MANAGEMENT SYSTEM

Month: June 2018

DATE	Time	CONCENTRATION % BY VOLUME			TEMP (^{o}F)	PRESS. HEAD (in. WC)	TECH
		Methane	CO_2	Oxygen			
6/1	10:05	27.0	16.9	0.9	106	2.5	AMD
6/4	10:05	28.0	16.7	0.6	114	2.5	AMD
6/5	10:17	27.4	16.2	0.8	116	2.0	AMD
6/6	10:05	26.8	15.7	0.9	112	2.5	AMD
6/7	10:10	24.6	16.1	1.2	108	2.5	AMD
6/8	10:05	25.2	16.4	1.0	114	2.0	AMD
6/11	10:02	26.3	16.5	1.1	108	2.5	AMD
6/12	10:05	25.7	16.3	0.9	112	2.5	AMD
6/13	10:10	24.6	15.6	1.0	110	2.5	AMD
6/14	10:10	26.0	16.4	0.9	116	2.5	AMD
6/15	8:40	26.4	16.6	1.0	112	2.0	AMD
6/18	10:11	26.5	16.4	0.9	124	2.5	AMD
6/19	10:05	26.0	16.0	1.0	118	2.5	AMD
6/20	10:04	25.5	16.1	1.1	112	2.0	AMD
6/21	10:05	25.0	15.6	0.9	114	2.5	AMD
6/22	10:14	26.8	16.5	0.8	116	2.5	AMD
6/25	10:04	26.0	16.6	1.2	114	2.0	AMD
6/26	10:05	25.6	16.2	0.9	118	2.5	AMD
6/27	10:03	25.7	16.1	1.1	116	2.5	AMD
6/28	10:05	25	15.4	0.9	114	2.5	AMD
6/29	10:05	25.4	15.7	1.0	118	2.5	AMD
Average:		**26.0**	**16.2**	**1.0**	**113.9**	**2.4**	
Maximum:		**28.0**	**16.9**	**1.2**	**124.0**	**2.5**	
Minimum:		**24.6**	**15.4**	**0.6**	**106.0**	**2.0**	

PELHAM BAY LANDFILL

Table 1: LANDFILL GAS MANAGEMENT SYSTEM

Month: July 2018

	Date	Time	FLARE			BLOWERS			COMMENTS	TECH
			Instant Flow (SCFM)	TOTALIZER (MSCF)	Daily Flow (SCF)	Elapsed Time (Minutes)		Run Time (Hours)		
						Blower No. 1	Blower No. 2			
Sunday	1								Flare off.	
Monday	2	10:04	1,214	1.35836256	**579,685**	1347.9	79295.7	**8.0**	Flame failure 8:14 a.m.	AMD
Tuesday	3	10:00	1,201	1.35836315	**735,613**	1347.9	79773.2	**10.2**	Flare 6:00 a.m.-2:00 p.m.	AMD
Wednesday	4								HOLIDAY	
Thursday	5	12:10	1,219	1.35844207	**234,292**	1347.9	80385.7	**3.2**	Flame failure 12:25 p.m.	AMD
Friday	6	8:50	1,239	1.35864806	**630,279**	1347.9	80577.9	**8.5**	Flare 6:00 a.m.-2:00 p.m.	AMD
Saturday	7								Flare off.	
Sunday	8								Flare off.	
Monday	9	9:20	1,215	1.35926139	**622,930**	1347.9	81086.6	**8.5**	Flare 6:00 a.m.-2:00 p.m.	AMD
Tuesday	10	10:00	1,197	1.35988533	**584,256**	1347.9	81599.3	**8.1**	Flare 6:00 a.m.-2:00 p.m.	AMD
Wednesday	11	10:01	1,192	1.36041307	**574,067**	1347.9	82087.4	**8.0**	Flare 6:00 a.m.-2:00 p.m.	AMD
Thursday	12	10:03	1,182	1.36093450	**564,996**	1347.9	82569.0	**8.0**	Flare 6:00 a.m.-2:00 p.m.	AMD
Friday	13	9:58	1,203	1.36150801	**440,057**	1347.9	83047.0	**6.1**	Flare 6:00 a.m.-2:00 p.m.	AMD
Saturday	14								Flare off.	
Sunday	15								Flare off.	
Monday	16	8:00	1,229	1.36192107	**439,122**	1347.9	83412.8	**6.0**	Flare 6:00 a.m.-2:00 p.m.	AMD
Tuesday	17	7:24	1,238	1.36235499	**844,935**	1347.9	83770.1	**11.4**	Flame failure 3 times.	EM
Wednesday	18	10:02	1,189	1.36317372	**543,730**	1347.9	84452.6	**7.6**	Flare 6:00 a.m.-2:00 p.m.	AMD
Thursday	19	10:00	1,178	1.36370313	**561,081**	1347.9	84909.9	**7.9**	Flare 6:00 a.m.-2:00 p.m.	AMD
Friday	20	10:00	1,191	1.36427236	**570,489**	1347.9	85386.2	**8.0**	Flare 6:00 a.m.-2:00 p.m.	AMD
Saturday	21								Flare off.	
Sunday	22								Flare off.	
Monday	23	10:00	1,230	1.36476541	**592,983**	1347.9	85865.2	**8.0**	Flare 6:00 a.m.-2:00 p.m.	AMD
Tuesday	24	10:02	1,212	1.36537748	**329,300**	1347.9	86347.3	**4.5**	Flare 6:00 a.m.-2:00 p.m.	AMD
Wednesday	25	6:40	1,199	1.36566007	**802,611**	1347.9	86619.0	**11.2**	Flame failures - 6:54, 6:59 a.m.	AMD
Thursday	26	10:00	1,183	1.36631906	**587,005**	1347.9	87288.4	**8.3**	Flare 6:00 a.m.-2:00 p.m.	AMD
Friday	27	10:05	1,191	1.36690784	**566,082**	1347.9	87784.6	**7.9**	Flare 6:00 a.m.-2:00 p.m.	AMD
Saturday	28								Flare off.	
Sunday	29								Flare off.	
Monday	30	10:00	1,210	1.36739469	**579,227**	1347.9	88259.9	**8.0**	Flare 6:00 a.m.-2:00 p.m.	AMD
Tuesday	31	10:00	1,204	1.36797214	**257,656**	1347.9	88738.6	**3.6**	Flame failure 12:30 p.m.	AMD
1-Aug		6:50		1.36822855		1347.9	88952.6			
				Total (SCF):	**11,640,396**	Total Run Time (hrs):		**160.9**		
Average Daily Flow during system operation.					**554,305**	Percent Run Time		**21.6%**	Average Flow Rate per Minute (SCFM):	**1,205**

PELHAM BAY LANDFILL

LANDFILL GAS MANAGEMENT SYSTEM

Month: July 2018

DATE	Time	CONCENTRATION % BY VOLUME			TEMP (^{o}F)	PRESS. HEAD (in. WC)	TECH
		Methane	CO_2	Oxygen			
7/2	10:07	27.4	16.1	1.0	128	2.5	AMD
7/3	10:04	26.9	15.7	0.9	130	2.0	AMD
7/4	Holiday						
7/5	12:14	27.6	16.3	1.2	126	2.5	AMD
7/6	8:55	28.0	16.9	1.1	116	2.0	AMD
7/9	9:24	27.0	16.0	0.9	125	2.5	AMD
7/10	10:04	26.6	15.8	1.3	130	2.5	AMD
7/11	10:05	26.2	15.5	1.0	128	2.5	AMD
7/12	10:06	27.4	16.4	0.9	120	2.5	AMD
7/13	10:03	24.8	15.9	1.1	122	2.0	AMD
7/16	10:04	27.7	17.1	1.0	122	2.5	AMD
7/17	8:00	27.4	16.7	0.8	120	2.5	EM
7/18	10:05	25.2	16.2	1.2	124	2.5	AMD
7/19	10:04	26.4	16.4	0.9	126	2.0	AMD
7/20	10:03	24.7	16.3	1.2	125	2.5	AMD
7/23	10:04	25.8	16.6	1.1	108	2.5	AMD
7/24	10:02	25.2	16.0	0.9	120	2.5	AMD
7/25	6:43	25.6	16.3	1.0	110	2.0	AMD
7/26	10:04	26.8	16.7	0.9	122	2.5	AMD
7/27	10:07	26.0	16.4	1.2	130	2.5	AMD
7/30	10:04	27.2	16.6	1.0	122	2.5	AMD
7/31	10:03	25.0	16.1	1.2	124	2.0	AMD
Average:		**26.4**	**16.3**	**1.0**	**122.8**	**2.4**	
Maximum:		**28.0**	**17.1**	**1.3**	**130.0**	**2.5**	
Minimum:		**24.7**	**15.5**	**0.8**	**108.0**	**2.0**	

PELHAM BAY LANDFILL

Table 1: LANDFILL GAS MANAGEMENT SYSTEM

Month: August 2018

			FLARE			BLOWERS				
						Elapsed Time (Minutes)				
	Date	Time	Instant Flow (SCFM)	TOTALIZER (MSCF)	Daily Flow (SCF)	Blower No. 1	Blower No. 2	Run Time (Hours)	COMMENTS	TECH
Wednesday	1	6:50	1,194	1.36822855	**801,413**	1347.9	88952.6	**11.2**	Flare 6:00a.m.-2:00 p.m.	AMD
Thursday	2	10:00	1,158	1.36873817	**547,850**	1347.9	89623.8	**7.9**	Flare 6:00a.m.-2:00 p.m.	AMD
Friday	3	10:00	1,206	1.36902978	**576,106**	1347.9	90096.9	**8.0**	Flare 6:00a.m.-2:00 p.m.	AMD
Saturday	4								Flare off.	
Sunday	5								Flare off.	
Monday	6	10:00	1,304	1.36962450	**436,840**	1347.9	90574.6	**5.6**	Flare 6:00a.m.-2:00 p.m.	AMD
Tuesday	7	7:30	1,290	1.36991632	**812,442**	1347.9	90909.6	**10.5**	Flare 6:00a.m.-2:00 p.m.	AMD
Wednesday	8	10:00	1,284	1.37063348	**556,357**	1347.9	91539.4	**7.2**	Flame failure 6:40 a.m.	AMD
Thursday	9	10:00	1,276	1.37118578	**617,201**	1347.9	91972.7	**8.1**	Flare 6:00a.m.-2:00 p.m.	AMD
Friday	10	10:00	1,258	1.37178433	**591,512**	1347.9	92456.4	**7.8**	Flare 6:00a.m.-2:00 p.m.	AMD
Saturday	11								Flare off.	
Sunday	12								Flare off.	
Monday	13	10:00	1,326	1.37238336	**647,618**	1347.9	92926.6	**8.1**	Flare 6:00a.m.-2:00 p.m.	AMD
Tuesday	14	10:05	1,300	1.37300515	**616,850**	1347.9	93415	**7.9**	Flare 6:00a.m.-2:00 p.m.	AMD
Wednesday	15	10:00	1,292	1.37360990	**659,049**	1347.9	93889.5	**8.5**	Flare 6:00a.m.-2:00 p.m.	AMD
Thursday	16	10:30	1,290	1.37418759	**589,401**	1347.9	94399.6	**7.6**	Flare 6:00a.m.-2:00 p.m.	AMD
Friday	17	10:00	1,282	1.37476432	**608,309**	1347.9	94856.5	**7.9**	Flare 6:00a.m.-2:00 p.m.	AMD
Saturday	18								Flare off.	
Sunday	19								Flare off.	
Monday	20	10:00	1,292	1.37535179	**651,168**	1347.9	95331	**8.4**	Flare 6:00a.m.-2:00 p.m.	AMD
Tuesday	21	10:18	1,301	1.37600887	**605,485**	1347.9	95835	**7.8**	Flare 6:00a.m.-2:00 p.m.	AMD
Wednesday	22	10:10	1,294	1.37659383	**612,062**	1347.9	96300.4	**7.9**	Flare 6:00a.m.-2:00 p.m.	AMD
Thursday	23	10:00	1,280	1.37710869	**611,328**	1347.9	96773.4	**8.0**	Flare 6:00a.m.-2:00 p.m.	AMD
Friday	24	10:00	1,298	1.37770796	**620,184**	1347.9	97251	**8.0**	Flare 6:00a.m.-2:00 p.m.	AMD
Saturday	25								Flare off.	
Sunday	26								Flare off.	
Monday	27	10:00	1,262	1.37831044	**600,838**	1347.9	97728.8	**7.9**	Flare 6:00a.m.-2:00 p.m.	AMD
Tuesday	28	10:00	1,286	1.37891364	**615,351**	1347.9	98204.9	**8.0**	Flare 6:00a.m.-2:00 p.m.	AMD
Wednesday	29	10:00	1,088	1.37950000	**525,178**	1347.9	98683.4	**8.0**	Flare 6:00a.m.-2:00 p.m.	AMD
Thursday	30	10:00	1,287	1.38012445	**616,216**	1347.9	99166.1	**8.0**	Flare 6:00a.m.-2:00 p.m.	AMD
Friday	31	10:01	1,279	1.38042366	**610,083**	1347.9	99644.9	**8.0**	Flare 6:00a.m.-2:00 p.m.	AMD
3-Sep		10:00	1,296	1.38076186		1347.9	100121.9			
				Total (SCF):	**14,128,842**	Total Run Time (hrs):		**186.2**		
Average Daily Flow during system operation.					**614,297**	Percent Run Time		**25.0%**	Average Flow Rate per Minute (SCFM):	**1,265**

PELHAM BAY LANDFILL
LANDFILL GAS MANAGEMENT SYSTEM

Month: August 2018

DATE	Time	CONCENTRATION % BY VOLUME			TEMP (^{o}F)	PRESS. HEAD (in. WC)	TECH
		Methane	CO_2	Oxygen			
8/1	6:55	25.6	16.3	0.8	112	2.5	AMD
8/2	10:04	24.8	15.9	1.1	122	2.5	AMD
8/3	10:03	25.8	16.5	0.9	126	2.5	AMD
8/6	10:04	25.4	15.9	1.3	130	2.5	AMD
8/7	7:33	25.0	15.4	0.9	118	2.5	AMD
8/8	10:04	24.8	15.1	1.1	116	2.5	AMD
8/9	10:03	25.2	16.2	1.3	128	2.5	AMD
8/10	10:04	25.6	16.4	0.9	130	2.5	AMD
8/13	10:03	25.1	16.0	1.2	104	2.5	AMD
8/14	10:04	24.7	15.9	1.0	114	2.0	AMD
8/15	9:55	24.5	16.0	1.5	125	2.5	AMD
8/16	10:33	23.7	16.1	1.4	130	2.5	AMD
8/17	10:04	24.8	16.3	1.1	125	2,5	AMD
8/20	10:03	24.1	15.9	1.2	110	2.5	AMD
8/21	10:21	23.8	15.7	1.0	112	2.0	AMD
8/22	10:13	25.1	16.2	1.4	122	2.5	AMD
8/23	10:04	24.6	15.9	1.1	120	2.5	AMD
8/24	10:03	25.4	16.4	1.0	118	2.5	AMD
8/27	10:05	23.8	15.8	1.2	122	2.5	AMD
8/28	10:03	23.4	15.6	1.1	128	2.0	AMD
8/29	10:04	23.1	15.0	1.4	132	2.5	AMD
8/30	10:03	23.5	15.1	1.3	126	2.5	AMD
8/31	10:03	24.4	16.2	1.1	120	2.0	AMD
Average:		**24.6**	**15.9**	**1.1**	**121.3**	**2.4**	
Maximum:		**25.8**	**16.5**	**1.5**	**132.0**	**2.5**	
Minimum:		**23.1**	**15.0**	**0.8**	**104.0**	**2.0**	

PELHAM BAY LANDFILL

Table 1: LANDFILL GAS MANAGEMENT SYSTEM

Month: September 2018

			FLARE			BLOWERS				
						Elapsed Time (Minutes)				
	Date	Time	Instant Flow (SCFM)	TOTALIZER (MSCF)	Daily Flow (SCF)	Blower No. 1	Blower No. 2	Run Time (Hours)	COMMENTS	TECH
Saturday	1									
Sunday	2									
Monday	3								Holiday.	
Tuesday	4	10:00	1,296	1.38076186	**616,378**	1347.9	121.9	**7.9**	Flare 6:00 a.m.-2:00 pm.	AMD
Wednesday	5	10:00	1,284	1.38136482	**625,436**	1347.9	597.5	**8.1**	Flare 6:00 a.m.-2:00 pm.	AMD
Thursday	6	10;00	1,280	1.38190341	**615,424**	1347.9	1084.6	**8.0**	Flare 6:00 a.m.-2:00 pm.	AMD
Friday	7	10:00	1,298	1.38250601	**626,674**	1347.9	1565.4	**8.0**	Flare 6:00 a.m.-2:00 pm.	AMD
Saturday	8								Flare off.	
Sunday	9								Flare off.	
Monday	10	10:00	1,332	1.38311529	**628,171**	1347.9	2048.2	**7.9**	Flare 6:00 a.m.-2:00 pm.	AMD
Tuesday	11	10:01	1,308	1.38373828	**605,996**	1347.9	2519.8	**7.7**	Flare 6:00 a.m.-2:00 pm.	AMD
Wednesday	12	9:35	1,290	1.38426197	**655,707**	1347.9	2983.1	**8.5**	Flare 6:00 a.m.-2:00 pm.	AMD
Thursday	13	10:00	1,284	1.38492477	**603,994**	1347.9	3491.4	**7.8**	Flare 6:00 a.m.-2:00 pm.	AMD
Friday	14	10:00	1,319	1.38543439	**641,562**	1347.9	3961.8	**8.1**	Flare 6:00 a.m.-2:00 pm.	AMD
Saturday	15								Flare off.	
Sunday	16								Flare off.	
Monday	17	10:00	1,322	1.38607323	**640,641**	1347.9	4448.2	**8.1**	Flare 6:00 a.m.-2:00 pm.	AMD
Tuesday	18	9:58	1,309	1.38668633	**643,112**	1347.9	4932.8	**8.2**	Flare 6:00 a.m.-2:00 pm.	AMD
Wednesday	19	10:00	1,290	1.38731146	**616,233**	1347.9	5424.1	**8.0**	Flare 6:00 a.m.-2:00 pm.	AMD
Thursday	20	9;58	1,299	1.38786650	**633,003**	1347.9	5901.8	**8.1**	Flare 6:00 a.m.-2:00 pm.	AMD
Friday	21	10:10	1,319	1.38849163	**615,973**	1347.9	6389.1	**7.8**	Flare 6:00 a.m.-2:00 pm.	AMD
Saturday	22								Flare off.	
Sunday	23								Flare off.	
Monday	24	10:00	1,350	1.38906455	**642,060**	1347.9	6856.1	**7.9**	Flare 6:00 a.m.-2:00 pm.	AMD
Tuesday	25	10:00	1,352	1.38938343	**650,853**	1347.9	7331.7	**8.0**	Flare 6:00 a.m.-2:00 pm.	AMD
Wednesday	26	10:03	1,328	1.38970613	**631,597**	1347.9	7813.1	**7.9**	Flare 6:00 a.m.-2:00 pm.	AMD
Thursday	27	10:00	1,318	1.39026964	**642,130**	1347.9	8288.7	**8.1**	Flare 6:00 a.m.-2:00 pm.	AMD
Friday	28								Flare off. Three flame failures at 6:00 a.m.	AMD
Saturday	29									
Sunday	30									
1-Oct		9:58	1,334	1.39089227		1347.9	8775.9			AMD
				Total (SCF):	**11,334,943**	Total Run Time (hrs.):		**144.2**		
Average Daily Flow during system operation.					**629,719**	Percent Run Time		**20.0%**	Average Flow Rate per Minute (SCFM):	**1,310**

PELHAM BAY LANDFILL
LANDFILL GAS MANAGEMENT SYSTEM

Month: September 2018

DATE	Time	CONCENTRATION % BY VOLUME			TEMP (^{o}F)	PRESS. HEAD (in. WC)	TECH
		Methane	CO_2	Oxygen			
9/3		Holiday.					
9/4	10:04	22.7	15.1	1.6	130	2.5	AMD
9/5	10:03	22.2	14.9	1.4	126	2.5	AMD
9/6	10:04	23.2	15.3	2.5	128	2.5	AMD
9/7	10:05	22.9	15.0	2.2	120	2.5	AMD
9/10	10:03	23.0	14.8	2.1	98	2.5	AMD
9/11	10:04	23.4	15.2	2.3	102	2.0	AMD
9/12	9:38	21.9	14.3	2.2	114	2.5	AMD
9/13	10:04	22.0	14.5	2.0	116	2.5	AMD
9/14	10:03	22.7	14.9	2.1	110	2.5	AMD
9/17	10:04	22.9	14.5	2.3	120	2.5	AMD
9/18	10:02	22.5	14.0	2.0	122	2.5	AMD
9/19	10:03	24.5	15.9	1.1	124	2.5	AMD
9/20	10:02	25.0	16.2	1.3	114	2.0	AMD
9/21	10:13	24.1	15.6	1.2	112	2.5	AMD
9/24	10:04	25.2	15.6	1.0	104	2.5	AMD
9/25	10:03	24.6	15.2	1.1	100	2.5	AMD
9/26	10:06	26.0	16.4	0.7	110	2.0	AMD
9/27	10:04	25.6	16.1	0.9	104	2.5	AMD
9/28		Flare off.					AMD
Average:		**23.6**	**15.2**	**1.7**	**114**	**2.4**	
Maximum:		**26.0**	**16.4**	**2.5**	**130**	**2.5**	
Minimum:		**21.9**	**14.0**	**0.7**	**98**	**2.0**	

PELHAM BAY LANDFILL

Table 1: LANDFILL GAS MANAGEMENT SYSTEM

Month: October 2018

			FLARE			BLOWERS				
			Instant Flow (SCFM)	TOTALIZER (MSCF)	Daily Flow (SCF)	Elapsed Time (Minutes)		Run Time (Hours)	COMMENTS	TECH
	Date	Time				Blower No. 1	Blower No. 2			
Monday	1	9:58	1,334	1.39089220	**560,547**	1347.9	8775.9	**7.0**	Flame failure 6:30 a.m	AMD
Tuesday	2	10:00	1,331	1.39143742	**645,535**	1347.9	9196.1	**8.1**	Flare 6:00 a.m.-2:00 p.m.	AMD
Wednesday	3	10:00	1,317	1.39207685	**633,214**	1347.9	9681.1	**8.0**	Flare 6:00 a.m.-2:00 p.m.	AMD
Thursday	4	9:59	1,298	1.39261985	**624,727**	1347.9	10161.9	**8.0**	Flare 6:00 a.m.-2:00 p.m.	AMD
Friday	5	10:00	1,310	1.39325130	**648,450**	1347.9	10643.2	**8.3**	Flare 6:00 a.m.-2:00 p.m.	AMD
Saturday	6								Flare off.	
Sunday	7								Flare off.	
Monday	8	9:57	1,322	1.39380825	**632,974**	1347.9	11138.2	**8.0**	Flare 6:00 a.m.-2:00 p.m.	AMD
Tuesday	9	9:58	1,312	1.39442754	**698,902**	1347.9	11617	**8.9**	Flare 6:00 a.m.-2:00 p.m.	AMD
Wednesday	10	10:45	1,307	1.39513361	**560,180**	1347.9	12149.7	**7.1**	Flare 6:00 a.m.-2:00 p.m.	AMD
Thursday	11	10:00	1,325	1.39561224	**618,113**	1347.9	12578.3	**7.8**	Flare 6:00 a.m.-2:00 p.m.	AMD
Friday	12	10:00	1,309	1.39609575	**624,393**	1347.9	13044.8	**8.0**	Flare 6:00 a.m.-2:00 p.m.	AMD
Saturday	13								Flare off.	
Sunday	14								Flare off.	
Monday	15	10:00	1,338	1.39672291	**646,522**	1347.9	13521.8	**8.1**	Flare 6:00 a.m.-2:00 p.m.	AMD
Tuesday	16	10:01	1,330	1.39730954	**640,129**	1347.9	14005	**8.0**	Flare 6:00 a.m.-2:00 p.m.	AMD
Wednesday	17	9:59	1,334	1.39793598	**624,846**	1347.9	14486.3	**7.8**	Flame failure 7:00 a.m.	AMD
Thursday	18	10:00	1,354	1.39854324	**577,752**	1347.9	14954.7	**7.1**	Flare 6:00 a.m.-2:00 p.m.	AMD
Friday	19	10:05	1,334	1.39911831	**650,325**	1347.9	15381.4	**8.1**	Flare 6:00 a.m.-2:00 p.m.	EM
Saturday	20								Flare off.	
Sunday	21								Flare off.	
Monday	22	9:55	1,342	1.39969930	**647,918**	1347.9	15868.9	**8.0**	Flare 6:00 a.m.-2:00 p.m.	AMD
Tuesday	23	10:00	1,333	1.40033922	**644,372**	1347.9	16351.7	**8.1**	Flare 6:00 a.m.-2:00 p.m.	AMD
Wednesday	24	9:58	1,320	1.40096674	**636,636**	1347.9	16835.1	**8.0**	Flare 6:00 a.m.-2:00 p.m.	AMD
Thursday	25	10:00	1,324	1.40158758	**649,687**	1347.9	17317.4	**8.2**	Flare 6:00 a.m.-2:00 p.m.	AMD
Friday	26	10:00	1,350	1.40222764	**648,540**	1347.9	17808.1	**8.0**	Flare 6:00 a.m.-2:00 p.m.	AMD
Saturday	27								Flare off.	
Sunday	28								Flare off.	
Monday	29	10:00	1,329	1.40279493	**641,110**	1347.9	18288.5	**8.0**	Flare 6:00 a.m.-2:00 p.m.	AMD
Tuesday	30	10:00	1,333	1.40340376	**646,372**	1347.9	18770.9	**8.1**	Flare 6:00 a.m.-2:00 p.m.	AMD
Wednesday	31	10:00	1,352	1.40395842	**715,884**	1347.9	19255.8	**8.8**	Flare 6:00 a.m.-2:00 p.m.	AMD
1-Nov		10:45	1,308	1.40465965		1347.9	19785.3			
				Total (SCF):	**14,617,125**	Total Run Time (hrs):		**183.5**		
			Average Daily Flow during system operation.		**635,527**	Percent Run Time		**24.7%**	Average Flow Rate per Minute (SCFM):	**1,328**

PELHAM BAY LANDFILL

LANDFILL GAS MANAGEMENT SYSTEM

Month: October 2018

DATE	Time	CONCENTRATION % BY VOLUME			TEMP (^{o}F)	PRESS. HEAD (in. WC)	TECH
		Methane	CO_2	Oxygen			
10/1	10:01	25.3	16.7	0.8	112	2.5	AMD
10/2	10:03	24.8	16.4	0.9	120	2.5	AMD
10/3	10:04	25.1	16.3	0.8	118	2.0	AMD
10/4	10:02	24.2	15.7	1.0	116	2.5	AMD
10/5	10:04	24.0	15.1	1.1	110	2.5	AMD
10/8	10:00	24.4	16.3	1.0	106	2.0	AMD
10/9	10:02	24.0	16.0	0.9	108	2.5	AMD
10/10	10:48	25.1	16.5	0.8	121	2.5	AMD
10/11	10:03	24.3	15.9	0.9	124	2.5	AMD
10/12	10:05	25.4	16.7	1.0	114	2.5	AMD
10/15	10:03	24.7	16.4	0.8	104	2.0	AMD
10/16	10:05	24.3	16.1	0.9	102	2.5	AMD
10/17	10:02	25.7	16.8	0.8	106	2.5	AMD
10/18	10:03	25.0	16.3	1.0	100	2.5	AMD
10/19	10:09	24.5	15.7	0.9	105	2.5	EM
10/22	9:58	24.0	15.6	1.1	98	2.5	AMD
10/23	10:03	23.6	15.1	1.0	100	2.5	AMD
10/24	10:02	23.7	15.4	1.1	98	2.0	AMD
10/25	10:04	23.2	15.0	0.9	96	2.5	AMD
10/26	10:03	23.9	15.5	0.8	94	2.5	AMD
10/29	10:04	25.4	16.3	0.8	96	2.5	AMD
10/30	10:03	25.0	16.0	0.9	98	2.0	AMD
10/31	10:04	24.7	15.7	1.0	100	2.0	AMD
Average:		**24.5**	**16.0**	**0.9**	**106.3**	**2.4**	
Maximum:		**25.7**	**16.8**	**1.1**	**124.0**	**2.5**	
Minimum:		**23.2**	**15.0**	**0.8**	**94.0**	**2.0**	

PELHAM BAY LANDFILL
Table 1: LANDFILL GAS MANAGEMENT SYSTEM
Month: November 2018

	Date	Time	FLARE			BLOWERS				
			Instant Flow (SCFM)	TOTALIZER (MSCF)	Daily Flow (SCF)	Elapsed Time (Minutes)		Run Time (Hours)	COMMENTS	TECH
						Blower No. 1	Blower No. 2			
Thursday	1	10:45	1,308	1.40465965	**559,562**	1347.9	19785.3	**7.1**	Flare 6:00 a.m.-2:00 p.m.	AMD
Friday	2	10:00	1,339	1.40515971	**645,532**	1347.9	20213.1	**8.0**	Flare 6:00 a.m.-2:00 p.m.	AMD
Saturday	3								Flare off.	
Sunday	4								Flare off.	
Monday	5	10:00	1,340	1.40570316	**645,344**	1347.9	20695.2	**8.0**	Flare 6:00 a.m.-2:00 p.m.	AMD
Tuesday	6								Holiday. Flare off.	
Wednesday	7	9:58	1,331	1.40634155	**639,146**	1347.9	21176.8	**8.0**	Flare 6:00 a.m.-2:00 p.m.	AMD
Thursday	8	10:00	1,328	1.40694847	**644,346**	1347.9	21657.0	**8.1**	Changed nitrogen tank at flare.	AMD
Friday	9	10:08	1,341	1.40746808	**628,661**	1347.9	22142.2	**7.8**	Flare 6:00 a.m.-2:00 p.m.	AMD
Saturday	10								Flare off.	
Sunday	11								Flare off.	
Monday	12	9:56	1,370	1.40808764	**651,709**	1347.9	22611.0	**7.9**	Flare 6:00 a.m.-2:00 p.m.	AMD
Tuesday	13	10:00	1,411	1.40846554	**674,176**	1347.9	23086.7	**8.0**	Flare 6:00 a.m.-2:00 p.m.	AMD
Wednesday	14	10:00	1,361	1.40898289	**620,072**	1347.9	23564.5	**7.6**	Flare 6:00 a.m.-2:00 p.m.	AMD
Thursday	15	10:00	1,412	1.40958953	**624,245**	1347.9	24020.1	**7.4**	Flame failure 6:30 a.m.	AMD
Friday	16	10:00	1,384	1.40990915	**659,199**	1347.9	24462.2	**7.9**	Flare 6:00 a.m.-2:00 p.m.	AMD
Saturday	17								Flare off.	
Sunday	18								Flare off.	
Monday	19	9:57	1,402	1.41048360	**671,979**	1347.9	24938.5	**8.0**	Flare 6:00 a.m.-2:00 p.m.	AMD
Tuesday	20	10:00	1,294	1.41109443	**616,462**	1347.9	25417.8	**7.9**	Flare 6:00 a.m.-2:00 p.m.	AMD
Wednesday	21	10:00	1,291	1.41169906	**622,391**	1347.9	25894.2	**8.0**	Flare 6:00 a.m.-2:00 p.m.	AMD
Thursday	22								Holiday. Flare off.	
Friday	23	10:00	1,286	1.41230297	**609,435**	1347.9	26376.3	**7.9**	Flare 6:00 a.m.-2:00 p.m.	AMD
Saturday	24								Flare off.	
Sunday	25								Flare off.	
Monday	26	10:00	1,275	1.41290340	**611,235**	1347.9	26850.2	**8.0**	Flare 6:00 a.m.-2:00 p.m.	AMD
Tuesday	27	10:00	1,288	1.41442642	**616,566**	1347.9	27329.6	**8.0**	Nitrogen tank changed at Flare.	AMD
Wednesday	28	10:00	1,309	1.41530657	**655,547**	1347.9	27808.3	**8.3**	Flare 6:00 a.m.-2:00 p.m.	AMD
Thursday	29	10:15	1,301	1.41595278	**605,746**	1347.9	28309.1	**7.8**	Flare 6:00 a.m.-2:00 p.m.	AMD
Friday	30	9:58	1,310	1.41632771	**664,956**	1347.9	28774.7	**8.5**	Flare 6:00 a.m.-2:00 p.m.	AMD
3-Dec		10:00		1.41697845		1347.9	29282.3			
				Total (SCF):	**12,666,308**	Total Run Time (hrs):		**158.3**		
Average Daily Flow during system operation.					**633,315**	Percent Run Time		**22.0%**	Average Flow Rate per Minute (SCFM):	**1,334**

PELHAM BAY LANDFILL

LANDFILL GAS MANAGEMENT SYSTEM

Month: November 2018

DATE	Time	CONCENTRATION % BY VOLUME			TEMP (^{o}F)	PRESS. HEAD (in. WC)	TECH
		6.0	CO_2	Oxygen			
11/1	10:48	24.0	16.2	0.8	110	2.5	AMD
11/2	10:04	23.7	15.8	0.9	106	2.5	AMD
11/5	10:03	25.2	16.5	1.0	102	2.5	AMD
11/6	Holiday						
11/7	10:01	24.2	16.0	0.9	104	2.5	AMD
11/8	10:03	24.0	15.8	1.1	106	2.0	AMD
11/9	10:11	23.6	15.4	1.0	100	2.5	AMD
11/12	9:59	23.3	15.8	0.8	100	2.5	AMD
11/13	10:03	23.0	15.5	0.9	102	2.5	AMD
11/14	10:04	23.1	15.1	1.0	88	2.0	AMD
11/15	10:03	22.8	14.9	0.9	86	2.5	AMD
11/16	10:04	23.9	15.9	1.0	88	2.5	AMD
11/19	10:00	25.6	15.7	0.7	92	2.5	AMD
11/20	10:04	25.1	15.3	1.0	90	2.5	AMD
11/21	10:03	24.8	14.9	0.9	86	2.5	AMD
11/22	Holiday						
11/23	10:04	25.4	15.6	1.0	84	2.5	AMD
11/26	10:03	26.2	16.2	0.6	88	2.5	AMD
11/27	10:04	25.5	15.9	0.8	90	2.5	AMD
11/28	10:04	25.2	15.4	0.7	82	2.5	AMD
11/29	10:17	23.6	15.1	1.1	84	2.5	AMD
11/30	10:02	24.2	15.4	1.0	86	2.0	AMD
Average:		**24.3**	**15.6**	**0.9**	**93.7**	**2.4**	
Maximum:		**26.2**	**16.5**	**1.1**	**110.0**	**2.5**	
Minimum:		**22.8**	**14.9**	**0.6**	**82.0**	**2.0**	

PELHAM BAY LANDFILL

Table 1: LANDFILL GAS MANAGEMENT SYSTEM

Month: December 2018

Date		Time	FLARE			BLOWERS			COMMENTS	TECH
			Instant Flow (SCFM)	TOTALIZER (MSCF)	Daily Flow (SCF)	Elapsed Time (Minutes)		Run Time (Hours)		
						Blower No. 1	Blower No. 2			
Saturday	1								Flare off.	
Sunday	2								Flare off.	
Monday	3	10:00	1,268	1.41697845	**612,444**	1347.9	29282.3	**8.1**	Flare 6:00 a.m.-2:00 p.m.	AMD
Tuesday	4	10:00	1,279	1.41745400	**618,652**	1347.9	29765.3	**8.1**	Flare 6:00 a.m.-2:00 p.m.	AMD
Wednesday	5	10:00	1,317	1.41800823	**295,798**	1347.9	30249.0	**3.7**	Flame failure 9:30 a.m.	AMD
Thursday	6	8:30	1,260	1.41830692	**741,636**	1347.9	30473.6	**9.8**	Flare 7:00 a.m.-2:00 p.m.	EM
Friday	7	10:00	1,226	1.41902485	**433,759**	1347.9	31062.2	**5.9**	Flare 6:00 a.m.-2:00 p.m.	AMD
Saturday	8								Flare off.	
Sunday	9								Flare off.	
Monday	10	9:49	1,226	1.41930637	**513,326**	1347.9	31416.0	**7.0**	Flare 6:45 a.m.-2:10 p.m.	EM
Tuesday	11	9:58	1,240	1.41982794	**551,924**	1347.9	31834.7	**7.4**	Flare 6:55 a.m.-2:35 p.m.	EM
Wednesday	12	10:00	1,172	1.42034540	**297,688**	1347.9	32279.8	**4.2**	Flare 6:45 a.m.-2:10 p.m.	EM
Thursday	13	10:00	1,204	1.42044211	**315,328**	1347.9	32533.8	**4.4**	Start flare, 5 flame failures	EM
Friday	14	10:00	1,152	1.42092633	**540,864**	1347.9	32795.7	**7.8**	Flare 6:00 a.m.-2:00 p.m.	AMD
Saturday	15								Flare off.	
Sunday	16								Flare off.	
Monday	17	10:00	1,203	1.42152796	**579,726**	1347.9	33265.2	**8.0**	Flare 6:00 a.m.-2:00 p.m.	AMD
Tuesday	18	10:00	1,224	1.42187414	**308,938**	1347.9	33747.1	**4.2**	Flame failures 10:17 a.m. Flare off.	AMD
Wednesday	19	10:00	1,293	1.42219567	**611,460**	1347.9	33999.5	**7.9**	Flare 6:00 a.m.-2:00 p.m.	AMD
Thursday	20	10:00	1,253	1.42279444	**585,652**	1347.9	34472.4	**7.8**	Flare 6:00 a.m.-2:00 p.m.	AMD
Friday	21								Flare off due to heavy rain.	AMD
Saturday	22								Flare off.	
Sunday	23								Flare off.	
Monday	24	10:00	1,162	1.42326045	**479,790**	1347.9	34939.8	**6.9**	Flare 6:00 a.m.-2:00 p.m.	AMD
Tuesday	25								Holiday. Flare off.	
Wednesday	26	10:00	1,159	1.42372999	**558,059**	1347.9	35352.7	**8.0**	Flame failure 6:31 a.m.	AMD
Thursday	27	10:00	1,202	1.42242748	**555,685**	1347.9	35834.2	**7.7**	Flare 6:00 a.m.-2:00 p.m.	AMD
Friday	28	10:00	1,174	1.42477951	**557,063**	1347.9	36296.5	**7.9**	Flare 6:00 a.m.-2:00 p.m.	AMD
Saturday	29								Flare off.	
Sunday	30								Flare off.	
Monday	31	10:00	1,160	1.42524481	**555,524**	1347.9	36771.0	**8.0**	Flare 6:00 a.m.-2:00 p.m.	AMD
2-Jan		10:00	1,219	1.42581153		1347.9	37249.9			
				Total (SCF):	**9,713,314**	Total Run Time (hrs):		**132.8**		
Average Daily Flow during system operation.					**511,227**	Percent Run Time		**17.8%**	Average Flow Rate per Minute (SCFM):	**1,219**

PELHAM BAY LANDFILL

LANDFILL GAS MANAGEMENT SYSTEM

Month: December 2018

DATE	Time	CONCENTRATION % BY VOLUME			TEMP (^oF)	PRESS. HEAD (in. WC)	TECH
		6.0	CO_2	Oxygen			
12/3	10:05	25.9	16.1	0.6	92	2.5	AMD
12/4	10:04	25.2	15.8	0.8	88	2.5	AMD
12/5	10:03	23.9	15.4	0.9	86	2.0	AMD
12/6	8:45	23.9	16.5	0.9	78	2.0	EM
12/7	10:04	23.4	15.7	1.0	82	2.5	AMD
12/10	9:53	25.3	15.8	0.9	83	2.0	EM
12/11	10:01	24.5	15.4	0.9	88	2.0	EM
12/12	10:06	23.8	15.1	1.1	88	2.0	EM
12/13	10:05	22.9	14.8	0.9	86	2.5	EM
12/14	10:04	23.1	15.0	1.1	92	2.5	AMD
12/17	10:03	27.2	16.0	0.7	88	2.5	AMD
12/18	10:03	26.7	15.8	0.8	84	2.5	AMD
12/19	10:05	26.0	15.4	1.0	82	2.0	AMD
12/20	10:03	24.5	15.2	0.9	88	2.5	AMD
12/21	Flare off-line						AMD
12/24	10:04	26.9	16.1	1.0	86	2.5	AMD
12/25	Holiday. Flare off-line.						AMD
12/26	10:05	27.2	16.4	1.1	84	2.0	AMD
12/27	10:04	26.6	15.7	1.0	86	2.5	AMD
12/28	10:03	25.4	15.0	0.9	88	2.5	AMD
12/31	10:02	24.7	15.5	0.9	86	2.5	AMD
Average:		**25.1**	**15.6**	**0.9**	**86.1**	**2.3**	
Maximum:		**27.2**	**16.5**	**1.1**	**92.0**	**2.5**	
Minimum:		**22.9**	**14.8**	**0.6**	**78.0**	**2.0**	

C: Groundwater/Leachate Systems Inspections

GROUNDWATER LEACHATE BI-WEEKLY INSPECTION SUMMARY REPORT (GWL-1)
Month: January 2018

DATE	P.S. -D1 to WWTP Totalizer Reading (100 gals)	Downgradient Collection Sumps														Remarks and Deficiencies
		ELAPSED TIME METER READINGS (Minutes)						ELAPSED TIME METER READINGS (Hours)								
		Decon Pumps		D-8		D-10		D-1		Lift Sta. No. 1		Lift Sta. No. 2		Leachate Storage Containment Sump		
		Pump-1	Pump-2	Pump-1	Pump-2	Pump-1	Pump-2	Pump-1	Pump-2	Pump-1	Pump-2	Pump-1	Pump-2	Pump-1	Pump-2	
2-Jan	34019	279.2	0.1	249.3	7.5	265.0	0.1	4998.6	2728.5	4441.2	4718.0	14443.1	3060.1	252.0	1028.0	
4-Jan	34902	279.7	0.1	249.3	7.5	265.0	0.1	5025.0	2728.5	4441.2	4736.2	14443.1	3060.1	252.4	1028.0	
8-Jan	37192	281.4	0.1	249.3	7.5	265.0	0.1	50551.2	2728.5	4441.2	4760.5	14443.1	3060.1	255.3	1028.0	
11-Jan	38771	282.5	0.1	249.3	7.5	265.0	0.1	5077.3	2728.5	4441.2	4781.6	14443.1	3060.1	256.9	1028.0	
16-Jan	42165	285.0	0.1	249.3	7.5	265.0	0.1	5131.6	2728.5	4441.2	4821.5	14443.1	3060.1	266.5	1032.4	
18-Jan	43110	285.7	0.1	249.3	7.5	265.0	0.1	5150.1	2728.5	4441.2	4835.6	14443.1	3060.1	269.4	1034.0	
22-Jan	45840	287.1	0.1	249.3	7.5	265.0	0.1	5186.0	2728.5	4441.2	4862.0	14443.1	3060.1	276.7	1034.3	
25-Jan	47414	288.3	0.1	249.3	7.5	265.0	0.1	5216.1	2728.5	4441.2	4884.2	14443.1	3060.1	281.4	1036.6	
29-Jan	50104	289.7	0.1	249.3	7.5	265.0	0.1	5252.8	2728.5	4441.2	4911.2	14443.1	3960.1	286.4	1040.8	

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 1/2/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	(YES)	NO	(YES)	NO	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND	(OFF) AUTO	(HAND)	OFF (AUTO)	(HAND)	OFF (AUTO)	HAND	(OFF) AUTO	HAND	(OFF) AUTO	HAND	(OFF) AUTO
D. Liquid Level in Sump	HIGH	(LOW)	OVERFLOW		HIGH	(LOW)	OVERFLOW		HIGH	(LOW)	OVERFLOW	
E. Leak in Manifold Piping	YES		(NO)		YES		(NO)		YES		(NO)	
F. Elapsed Time Meter	04998.6		02725.5		0249.3		07.5		0265.0		0.1	

2. Down-gradient and Curtain Drain — A. Is there settlement along alignment of down-gradient curtain drain: YES (NO)

3. D-1 Force Main Totalizer 34019 **x 100 =** _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) **P-1** 0279.2 **P-2** 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	(No Leak)	Leak
C. Alarm indicator Lights	YES	(NO)					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	05411.2	NO	NO	NO
P-2	0279.0	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(LOW)	HIGH OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)
C. Are the alarms or indicator lights on?	YES	(NO)			
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	4443.1	NO	NO	NO
P-2	2360.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	(NORMAL)	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are sump pumps running	(YES)	NO	E. Is there any leak in the storage tanks and manifold discharge piping			YES (NO)
C. Alarm indicator Lights	YES	(NO)	F. Check if a pump is out of service		Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	2520	NO	NO	NO
P-2	0023.0	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	(YES)	NO
Lift Station No. 1	(YES)	NO
Decontamination Sump	(YES)	NO
Storage Containment Sump	(YES)	NO
Site Lighting	(YES)	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 1/4/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	(YES)	NO	(YES)	NO	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND	(OFF) AUTO	(HAND)	OFF (AUTO)	HAND	(OFF) AUTO	HAND	(OFF) AUTO	HAND	(OFF) AUTO	HAND	(OFF) AUTO
D. Liquid Level in Sump	HIGH	(LOW)	OVERFLOW		HIGH	(LOW)	OVERFLOW		HIGH	(LOW)	OVERFLOW	
E. Leak in Manifold Piping	YES		(NO)		YES		(NO)		YES		(NO)	
F. Elapsed Time Meter	05625.0		02726.5		0249.3		07.5		0265.0		0.1	

2. Down-gradient and Curtain Drain — A. Is there settlement along alignment of down-gradient curtain drain: YES (NO)

3. D-1 Force Main Totalizer 3490.2 x 100 = _____ **D-1 Force Main Pressure** _____

4. Decon. Pumps (ETM) P-1: 0279.7 P-2: 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	(No Leak)	Leak
C. Alarm indicator Lights	YES	(NO)					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04441.2	NO	NO	NO
P-2	04736.2	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(Low)	HIGH	OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)
C. Are the alarms or indicator lights on?	YES	(NO)			
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	4443.1	NO	NO	NO
P-2	03760.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	(NORMAL)	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are sump pumps running	(YES)	NO	E. Is there any leak in the storage tanks and manifold discharge piping	YES	(NO)
C. Alarm indicator Lights	YES	(NO)	F. Check if a pump is out of service	Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0252.4	NO	NO	NO
P-2	01023.0	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	(YES)	NO
Lift Station No. 1	(YES)	NO
Decontamination Sump	(YES)	NO
Storage Containment Sump	(YES)	NO
Site Lighting	(YES)	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 1/8/19 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	~~YES~~	NO	~~YES~~	NO	YES	~~NO~~	YES	~~NO~~	YES	~~NO~~	YES	~~NO~~
C. Selector Switch Position	HAND OFF (AUTO)		HAND OFF (AUTO)		HAND (OFF) AUTO		HAND (OFF) AUTO		HAND (OFF) AUTO		HAND (OFF) AUTO	
D. Liquid Level in Sump	HIGH	(LOW)	OVERFLOW		HIGH	(LOW)	OVERFLOW		HIGH	(LOW)	OVERFLOW	
E. Leak in Manifold Piping	YES		(NO)		YES		(NO)		YES		(NO)	
F. Elapsed Time Meter	05051.2		02755		0249.3		075		02650		0.1	

2. Down-gradient and Curtain Drain — A. Is there settlement along alignment of down-gradient curtain drain: YES / NO

3. D-1 Force Main Totalizer 3792 x 100 = _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) P-1 02861.4 P-2 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	(NO Leak)	Leak
C. Alarm indicator Lights	YES	(NO)					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04411.3	NO	NO	NO
P-2	04760.3	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(LOW)	HIGH	OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)
C. Are the alarms or indicator lights on?	YES	(NO)			
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04443.1	NO	NO	NO
P-2	03960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	(NORMAL)	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are sump pumps running	(YES)	NO	E. Is there any leak in the storage tanks and manifold discharge piping			YES / (NO)
C. Alarm indicator Lights	YES	(NO)	F. Check if a pump is out of service		Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	02553.3	NO	NO	NO
P-2	01058.5	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	(YES)	NO
Lift Station No. 1	(YES)	NO
Decontamination Sump	(YES)	NO
Storage Containment Sump	(YES)	NO
Site Lighting	(YES)	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 1/11/15 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
C. Selector Switch Position	HAND	OFF	AUTO	HAND	OFF	AUTO	HAND	OFF	AUTO	HAND	OFF	AUTO	HAND	OFF	AUTO	HAND	OFF	AUTO
D. Liquid Level in Sump	HIGH		LOW		OVERFLOW		HIGH		LOW		OVERFLOW		HIGH		LOW		OVERFLOW	
E. Leak in Manifold Piping	YES		NO		YES		NO		YES		NO	
F. Elapsed Time Meter	05077.3		02725.5		3249.3		07.5		0265.0		0.1	

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain YES (NO)

3. D-1 Force Main Totalizer 38771.... 00 = _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) P-1 02732.5 P-2 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	(No Leak)	Leak
C. Alarm indicator Lights	YES	(NO)					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04461.2	(NO)	(NO)	(NO)
P-2	04781.6	NO	(NO)	(NO)

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(LOW)	HIGH	OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)	
C. Are the alarms or indicator lights on?	YES	(NO)				
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	14453.1	NO	NO	NO
P-2	03960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are sump pumps running	(YES)	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	(NO)
C. Alarm indicator Lights	YES	(NO)	F. Check if a pump is out of service		Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0256.9	NO	NO	NO
P-2	01026.0	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	(YES)	NO
Lift Station No. 1	(YES)	NO
Decontamination Sump	(YES)	NO
Storage Containment Sump	(YES)	NO
Site Lighting	(YES)	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 1/16/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	(YES)	NO	(YES)	NO	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND	(OFF)	(AUTO)	HAND	OFF	(AUTO)	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO
D. Liquid Level in Sump	HIGH		(LOW)		OVERFLOW		HIGH		(LOW)		OVERFLOW		HIGH		(LOW)		OVERFLOW	
E. Leak in Manifold Piping	YES		(NO)		YES		(NO)		YES		(NO)	
F. Elapsed Time Meter	05151.6		02728.5		0249.3		07.5		0265.0		0.1	

2. Down-gradient and Curtain Drain — A. Is there settlement along alignment of down-gradient curtain drain: YES (NO)

3. D-1 Force Main Totalizer 4265 x 100 = _____ **D-1 Force Main Pressure** _____

4. Decon. Pumps (ETM) P-1 03850 P-2 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	(No Leak)	Leak
C. Alarm indicator Lights	YES	(NO)					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04411.2	NO	NO	NO
P-2	04921.5	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(LOW)	HIGH	OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)	
C. Are the alarms or indicator lights on?	YES	(NO)				
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	14443.1	NO	NO	NO
P-2	03960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	(NORMAL)	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are sump pumps running	(YES)	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	(NO)
C. Alarm indicator Lights	YES	(NO)	F. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	02665.5	NO	NO	NO
P-2	01932.4	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	(YES)	NO
Lift Station No. 1	(YES)	NO
Decontamination Sump	(YES)	NO
Storage Containment Sump	(YES)	NO
Site Lighting	(YES)	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

* LATERAL PIPING LEAKING IN FRONT OF TANKS 1, 2, 3, REPORTED TO PARKS!

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 1/18/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	(YES)	NO	(YES)	NO	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND OFF (AUTO)		HAND OFF (AUTO)		HAND (OFF) AUTO		HAND (OFF) AUTO		HAND (OFF) AUTO		HAND (OFF) AUTO	
D. Liquid Level in Sump	HIGH	(LOW)	OVERFLOW		HIGH	(LOW)	OVERFLOW		HIGH	(LOW)	OVERFLOW	
E. Leak in Manifold Piping	YES		(NO)		YES		(NO)		YES		(NO)	
F. Elapsed Time Meter	05150.1		02728.5		02493		07.5		0265.0		0.1	

2. Down-gradient and Curtain Drain — A. Is there settlement along alignment of down-gradient curtain drain: YES / (NO)

3. D-1 Force Main Totalizer _____ x 100 = _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) **P-1** 0855.7 **P-2** 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	(No Leak)	Leak
C. Alarm indicator Lights	YES	(NO)					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	02441.2	NO	NO	NO
P-2	01835.6	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(LOW)	HIGH	OTHER
B. Are sump pumps running?	(YES)	NO	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)	
C. Are the alarms or indicator lights on?	YES	(NO)				
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04145.1	NO	NO	NO
P-2	03760.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	(NORMAL)	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are sump pumps running	(YES)	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	(NO)
C. Alarm indicator Lights	YES	(NO)	F. Check if a pump is out of service		Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	02691.4	NO	NO	NO
P-2	01039.6	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	(YES)	NO
Lift Station No. 1	(YES)	NO
Decontamination Sump	(YES)	NO
Storage Containment Sump	(YES)	NO
Site Lighting	(YES)	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 1/22/18 **INSPECTED BY:** AM

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF
B. Running Light On	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
C. Selector Switch Position	HAND	OFF	AUTO	HAND	OFF	AUTO	HAND	OFF	AUTO	HAND	OFF	AUTO	HAND	OFF	AUTO	HAND	OFF	AUTO
D. Liquid Level in Sump	HIGH		LOW	OVERFLOW			HIGH		LOW	OVERFLOW			HIGH		LOW	OVERFLOW		
E. Leak in Manifold Piping	YES		NO		YES		NO		YES		NO	
F. Elapsed Time Meter	05186.0		07285		0249.3		075		0265.0		0.1	

2. Down-gradient and Curtain Drain — A. Is there settlement along alignment of down-gradient curtain drain: YES / NO

3. D-1 Force Main Totalizer 45840 x 100 = _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) P-1: 0257.1 P-2: 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	LOW	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH	OTHER
B. Are Sump Pumps Running	YES	NO		E. Check for leak in manifold leachate piping	Checked	No Leak	Leak
C. Alarm indicator Lights	YES	NO					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04421.2	NO	NO	NO
P-2	04866.0	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	NO	E. Check liquid level around stop planks. Is the level,	LOW	HIGH	OTHER
B. Are sump pumps running?	YES	NO	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	NO	
C. Are the alarms or indicator lights on?	YES	NO				
D. Any leaks in the manifold discharge piping	YES	NO	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	4443.1	NO	NO	NO
P-2	03980.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH	OTHER
B. Are sump pumps running	YES	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	NO
C. Alarm indicator Lights	YES	NO	F. Check if a pump is out of service		Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0276.7	NO	NO	NO
P-2	01034.3	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	NO	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	NO	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	NO
B. Settlement along alignment of force main to Burr Avenue manhole	YES	NO

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	YES	NO
Lift Station No. 1	YES	NO
Decontamination Sump	YES	NO
Storage Containment Sump	YES	NO
Site Lighting	YES	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 1/25/18 **INSPECTED BY:** AM

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
C. Selector Switch Position	HAND OFF (AUTO)		HAND OFF (AUTO)		HAND OFF (AUTO)		HAND OFF (AUTO)		HAND OFF (AUTO)		HAND OFF (AUTO)	
D. Liquid Level in Sump	HIGH	(LOW)	OVERFLOW		HIGH	(LOW)	OVERFLOW		HIGH	(LOW)	OVERFLOW	
E. Leak in Manifold Piping	YES	(NO)			YES	(NO)			YES	(NO)		
F. Elapsed Time Meter	05216.1		02728.5		02493		0		2605.0		0	

2. Down-gradient and Curtain Drain — A. Is there settlement along alignment of down-gradient curtain drain: YES (NO)

3. D-1 Force Main Totalizer 4741 x 100 = _____ **D-1 Force Main Pressure** _____

4. Decon. Pumps (ETM) P-1: 0288.3 P-2: 0

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER	
B. Are Sump Pumps Running	YES	NO		E. Check for leak in manifold leachate piping	Checked	(No Leak)	Leak	
C. Alarm indicator Lights	YES	(NO)						

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04491.2	NO	NO	NO
P-2	04984.2	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(LOW)	HIGH	OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)	
C. Are the alarms or indicator lights on?	YES	(NO)				
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	4443.1	NO	NO	NO
P-2	0360.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	(NORMAL)	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER	
B. Are sump pumps running	(YES)	NO	E. Is there any leak in the storage tanks and manifold discharge piping			YES	(NO)
C. Alarm indicator Lights	YES	(NO)	F. Check if a pump is out of service	Pump 1	Pump 2		

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0781.4	NO	NO	NO
P-2	0036.6	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	(YES)	NO
Lift Station No. 1	(YES)	NO
Decontamination Sump	(YES)	NO
Storage Containment Sump	(YES)	NO
Site Lighting	(YES)	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 1/29/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	(YES)	NO	(YES)	NO	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND	OFF	(AUTO)	HAND	OFF	(AUTO)	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO
D. Liquid Level in Sump	HIGH		(LOW)		OVERFLOW		HIGH		(LOW)		OVERFLOW		HIGH		(LOW)		OVERFLOW	
E. Leak in Manifold Piping	YES		(NO)				YES			(NO)			YES			(NO)		
F. Elapsed Time Meter	05252.8		02726.5				0249.3			07.5			0265.0			0.1		

2. Down-gradient and Curtain Drain — A. Is there settlement along alignment of down-gradient curtain drain: YES (NO)

3. D-1 Force Main Totalizer 5014 x 100 = _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) P-1 02597 P-2 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	(No Leak)	Leak
C. Alarm indicator Lights	YES	(NO)					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	02461.4	NO	NO	NO
P-2	04911.2	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(Low)	HIGH	OTHER
B. Are sump pumps running?	(YES)	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)	
C. Are the alarms or indicator lights on?	YES	(NO)				
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	14445.1	NO	NO	NO
P-2	03560.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	(NORMAL)	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are sump pumps running	(YES)	NO	E. Is there any leak in the storage tanks and manifold discharge piping			YES (NO)
C. Alarm indicator Lights	YES	(NO)	F. Check if a pump is out of service		Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	02356.4	NO	NO	NO
P-2	01040.1	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	(YES)	NO
Lift Station No. 1	(YES)	NO
Decontamination Sump	(YES)	NO
Storage Containment Sump	(YES)	NO
Site Lighting	(YES)	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-2
MONTHLY INSPECTION CHECKLIST
MANHOLE AND SUMPS
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

January-2018

Item No.	Inspection Item	Manhole and Sump Number									
		D-1	D-2	D-3	D-4	D-5	D-6	D-7	D-8	D-9	D-10
1	Manhole Cover	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
2	Silt Accumulation	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
3	Settlement	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
4	Pipe Connections	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
5	Settlement Along Curtain Drain	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
6	Flow into manhole or sump	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK

**NA= no access due to persistent snow and ice cover

Item No.	Inspection Item	Manhole and Sump Number									
		LS-1	LS-2	DS-1	DS-2*	TS-1	U-1	U-2	U-3	U-4	U-5	U-6
1	Manhole Cover	OK	OK	OK	-	OK		OK	OK	OK		-
2	Silt Accumulation	OK	OK	OK	-	OK		OK	OK	OK		-
3	Settlement	OK	OK	OK	-	OK		OK	OK	OK		-
4	Pipe Connections	OK	OK	OK	-	OK		OK	OK	OK		-
5	Settlement Along Curtain Drain	OK	OK	OK	-	OK		OK	OK	OK		-
6	Flow into manhole or sump	OK	OK	OK	-	OK		OK	OK	OK		

Notes:
1. Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.
2. Use "NS" (Not Satisfactory) where problems are noted.
3. For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary
4. *DS-2 was provided for the Decon Trailer which is no longer on the site. DS-2 is no longer in use.

DATE: **1/8/18**

Tech: AMD

Signature: 

FORM GWL-3
QUARTERLY INSPECTION CHECKLIST
MONITORING WELL
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDILL
(REFERENCE VOLUME III SECTION 4)

DATE: 1/18/18 INITIALS: AMD

Check For	Sampling Well Designation									
	MW 104	MW 106	MW 109	MW 110	MW 113	MW 114	MW 115	MW 115B	MW 118	MW 119
1. Damage/Vandalism	NS	OK	OK	OK	OK	OK	OK	OK	OK	NS
2. Settlement	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
3. Accessibility	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK

Check For	Sampling Well Designation								
	MW 120	MW 120B	MW 121	MW 122	MW 126	MW 117	MW 117B	MW 124	MW 124B
1. Damage/Vandalism	OK	OK	OK	OK	OK	NA	NA	OK	OK
2. Settlement	OK	OK	OK	OK	OK	NA	NA	OK	OK
3. Accessibility	OK	OK	OK	OK	OK	NA	NA	OK	OK

Check For	PZ-A	PZ-B	PZ-C	PZ-D	PZ-F
1. Damage/Vandalism	OK	OK	OK	OK	OK
2. Settlement	OK	OK	OK	OK	OK
3. Accessibility	OK	OK	OK	OK	OK

Notes: Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.

1. Use "NS" (Not Satisfactory) where problems are noted.
2. For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary
3. MW 117 and 117B have no access.

Pelham Bay Landfill Groundwater Elevations				
Well ID	**Date**	**Depth to Water**	**Measuring Point Elevation**	**Groundwater Elevation (FT Above Sea Level)**
104	1/22/2018	19.1	19.132	0.032
106	1/22/2018	17.85	18.388	0.538
109	1/22/2018	19.4	23.952	4.552
110	1/22/2018	20.35	20.013	-0.337
113	1/22/2018	13.95	14.442	0.492
114	1/22/2018	12.2	14.66	2.46
115	1/22/2018	21.8	24.807	3.007
115b	1/22/2018	21.65	24.876	3.226
117	1/22/2018	No Access.	8.077	
118	1/22/2018	18	19.113	1.113
119	1/22/2018	19.4	20.421	1.021
120	1/22/2018	19.1	18.838	-0.262
120b	1/22/2018	19.15	19.296	0.146
122	1/22/2018	17.75	17.575	-0.175
pz-a	1/22/2018	Dry.	11.951	
pz-b	1/22/2018	8.25	14.254	6.004
pz-c	1/22/2018	Dry.	11.374	
pz-d	1/22/2018	5.65	12.411	6.761
pz-e	1/22/2018	11.45	9.545	-1.905
pz-f	1/22/2018	7.2	9.645	2.445

STRATIS
CONTRACTING CORP

STRATIS CONTRACTING CORP
7 CORPORATE DRIVE, PEEKSKILL, NY 10566

GROUNDWATER MONITORING WELL SAMPLING

PELHAM BAY LANDFILL

Date: 1/22/18 **Technician:** AMD

Groundwater Elevation

Well Number	Time	DTW (ft)	DTB (ft)	Remarks
MW-104	10:16	19.1	23 33	
MW-106	10:23	17.85	24.66	
MW-109	10:11	19.40	21.50	
MW-110	10:28	20.35	21.80	
MW-113	10:12	13.95	15.61	
MW-114	10:09	12.20	13.30	
MW-115	10:05	21.80	52.00	
MW-115B	10:06	21.65	99.00	
MW-118	10:25	18.00	21.35	
MW-119	10:22	19.4	38.00	
MW-120	10:18	19.1	90.00	
MW-120B	10:19	19.15	67.60	
MW-122	10:13	17.75		
MW-117				NO ACCESS.
PZ-A	10:37	DRY	6.15	
PZ-B	10:44	8.25	9.71	
PZ-C	10:35	DRY	8.40	
PZ-D	10:47	5.65	6.70	
PZ-E	10:32	11.45	11.56	
PZ-F	10:31	7.20	14.80	

MH-D8 10:33 10.25

PELHAM BAY LANDFILL
GROUNDWATER LEACHATE BI-WEEKLY INSPECTION SUMMARY REPORT (GWL-1)
Month: February 2018

DATE	P.S. -D1 to WWTP Totalizer Reading (100 gals)	Downgradient Collection Sumps														Remarks and Deficiencies
		ELAPSED TIME METER READINGS (Minutes)						ELAPSED TIME METER READINGS (Hours)								
		Decon Pumps		D-8		D-10		D-1		Lift Sta. No. 1		Lift Sta. No. 2		Leachate Storage Containment Sump		
		Pump-1	Pump-2	Pump-1	Pump-2	Pump-1	Pump-2	Pump-1	Pump-2	Pump-1	Pump-2	Pump-1	Pump-2	Pump-1	Pump-2	
1-Feb	51886	290.9	0.1	249.3	7.5	265.0	0.1	5281.8	2728.5	4441.2	4952.6	14443.1	3960.1	288.5	1046.0	
6-Feb	55464	293.3	0.1	249.3	7.5	265.0	0.1	5339.6	2728.9	4441.2	4972.9	14443.1	3960.1	297.5	1047.9	
8-Feb	57151	294.3	0.1	249.3	7.5	265.0	0.1	5366.3	2729.3	4441.2	4989.8	14443.1	3960.1	301.5	1047.9	
12-Feb	61087	296.9	0.1	249.3	7.5	265.0	0.1	5427.7	2738.3	4441.2	5030.9	14443.1	3960.1	309.9	1049.0	
15-Feb	63671	298.0	0.1	249.3	7.5	265.0	0.1	5498.6	2738.3	4441.2	5057.8	14443.1	3960.1	313.5	1052.1	
20-Feb	67245	300.2	0.1	249.3	7.5	265.0	0.1	5527.7	2738.3	4441.2	5097.8	14443.1	3960.1	314.8	1064.3	
22-Feb	68741	301.0	0.1	249.3	7.5	265.0	0.1	5552.9	2738.3	4441.2	5114.5	14443.1	3960.1	314.8	1070.4	
26-Feb	72192	303.1	0.1	249.3	7.5	265.0	0.1	5611.5	2738.3	4441.2	5151.4	14443.1	3960.1	321.5	1071.3	

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 2/1/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	(YES)	NO	(YES)	NO	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND	(OFF)	AUTO	(HAND)	OFF	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO
D. Liquid Level in Sump	HIGH		(LOW)	OVERFLOW			HIGH		(LOW)	OVERFLOW			HIGH		(LOW)	OVERFLOW		
E. Leak in Manifold Piping	YES		(NO)				YES		(NO)				YES		(NO)			
F. Elapsed Time Meter	05251.5		02125.5				0249.3		07.5				0265.0		0.1			

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain YES (NO)

3. D-1 Force Main Totalizer 51996 x 100 = _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) P-1 0390.9 P-2 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	(No Leak)	Leak
C. Alarm indicator Lights	YES	(NO)					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04411.2	NO	NO	NO
P-2	01932.6	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(LOW)	HIGH OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)
C. Are the alarms or indicator lights on?	YES	(NO)			
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	14443.1	NO	NO	NO
P-2	03960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are sump pumps running	YES	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	(NO)
C. Alarm Indicator Lights	YES	(NO)	F. Check if a pump is out of service		Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	02576.5	NO	NO	NO
P-2	01096.0	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	(YES)	NO
Lift Station No. 1	(YES)	NO
Decontamination Sump	(YES)	NO
Storage Containment Sump	(YES)	NO
Site Lighting	(YES)	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 2-6-18. **INSPECTED BY:** E. McLoral.

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	(YES)	NO	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND OFF (AUTO)		HAND OFF (AUTO)		HAND (OFF) AUTO		HAND (OFF) AUTO		HAND (OFF) AUTO		HAND (OFF) AUTO	
D. Liquid Level in Sump	HIGH	(LOW)	OVERFLOW		HIGH	(LOW)	OVERFLOW		HIGH	(LOW)	OVERFLOW	
E. Leak in Manifold Piping	YES		(NO)		YES		(NO)		YES		(NO)	
F. Elapsed Time Meter	05339.6		00728.9		00249.3		000075		00965.0		000001	

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain YES (NO)

3. D-1 Force Main Totalizer 5464 x 100 = _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) P-1 00293.3 P-2 000001

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH OTHER
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	(No Leak) Leak
C. Alarm indicator Lights	YES	(NO)				

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04441.2	NO	NO	No
P-2	04972.9	NO	NO	No

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(Low)	HIGH OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)
C. Are the alarms or indicator lights on?	YES	(NO)			
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	14443.1	NO	NO	NO
P-2	03960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	(NORMAL)	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are sump pumps.running	(YES)	NO	E. Is there any leak in the storage tanks and manifold discharge piping			YES (NO)
C. Alarm Indicator Lights	YES	(NO)	F. Check if a pump is out of service		Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	00497.5	NO	NO	NO
P-2	01047.9	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	OFF

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	(YES)	NO
Lift Station No. 1	(YES)	NO
Decontamination Sump	(YES)	NO
Storage Containment Sump	(YES)	NO
Site Lighting	(YES)	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 2/8/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	~~ON~~	OFF	~~ON~~	OFF	~~ON~~	OFF	~~ON~~	OFF	~~ON~~	OFF	~~ON~~	OFF
B. Running Light On	~~YES~~	NO	~~YES~~	NO	YES	~~NO~~	YES	~~NO~~	YES	~~NO~~	YES	~~NO~~
C. Selector Switch Position	HAND	OFF	~~AUTO~~	HAND	OFF	~~AUTO~~	HAND	~~OFF~~	AUTO	HAND	~~OFF~~	AUTO	HAND	~~OFF~~	AUTO	HAND	~~OFF~~	AUTO
D. Liquid Level in Sump	HIGH		~~LOW~~		OVERFLOW		HIGH		~~LOW~~		OVERFLOW		HIGH		~~LOW~~		OVERFLOW	
E. Leak in Manifold Piping	YES		~~NO~~				YES		~~NO~~				YES		~~NO~~			
F. Elapsed Time Meter	05366.3		02729.3				0249.3		07.5				0265.0		0.1			

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain YES ~~NO~~

3. D-1 Force Main Totalizer 57151 x 100 = _____ **D-1 Force Main Pressure** _____

4. Decon. Pumps (ETM) **P-1** 0294.5 **P-2** 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	~~LOW~~	NORMAL	HIGH	D. Check liquid level in sump	~~LOW~~	HIGH	OTHER
B. Are Sump Pumps Running	~~YES~~	NO		E. Check for leak in manifold leachate piping	Checked	~~No Leak~~	Leak
C. Alarm indicator Lights	YES	~~NO~~					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0-1461.4	~~NO~~	~~NO~~	~~NO~~
P-2	0-1783.5	~~NO~~	~~NO~~	~~NO~~

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	~~NO~~	E. Check liquid level around stop planks. Is the level,	~~LOW~~	HIGH	OTHER
B. Are sump pumps running?	YES	~~NO~~	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	~~NO~~	
C. Are the alarms or indicator lights on?	YES	~~NO~~				
D. Any leaks in the manifold discharge piping	YES	~~NO~~	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	14413.1	~~NO~~	~~NO~~	~~NO~~
P-2	05960.1	~~NO~~	~~NO~~	~~NO~~

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	~~NORMAL~~	HIGH	D. Check liquid level in sump	~~LOW~~	HIGH	OTHER	
B. Are sump pumps running	~~YES~~	NO	E. Is there any leak in the storage tanks and manifold discharge piping			YES	~~NO~~
C. Alarm indicator Lights	YES	~~NO~~	F. Check if a pump is out of service		Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	2015	~~NO~~	~~NO~~	~~NO~~
P-2	1647.9	~~NO~~	~~NO~~	~~NO~~

8. Carbon Adsorption System

A. Air Compressors ON	YES	~~NO~~	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	~~NO~~	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	~~NO~~
B. Settlement along alignment of force main to Burr Avenue manhole	YES	~~NO~~

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	~~YES~~	NO
Lift Station No. 1	~~YES~~	NO
Decontamination Sump	~~YES~~	NO
Storage Containment Sump	~~YES~~	NO
Site Lighting	~~YES~~	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 2/12/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	(YES)	NO	(YES)	NO	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND	OFF	(AUTO)	HAND	OFF	(AUTO)	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO
D. Liquid Level in Sump	HIGH		(LOW)	OVERFLOW			HIGH		(LOW)	OVERFLOW			HIGH		(LOW)	OVERFLOW		
E. Leak in Manifold Piping	YES		(NO)				YES		(NO)				YES		(NO)			
F. Elapsed Time Meter	05427.7		02758.3		0249.3		07.5		0265.0		0.1							

2. Down-gradient and Curtain Drain — A. Is there settlement along alignment of down-gradient curtain drain: YES (NO)

3. D-1 Force Main Totalizer 61087 **x 100 =** _____ **D-1 Force Main Pressure** _____

4. Decon. Pumps (ETM) **P-1** 0296.9 **P-2** 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER	
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	(No Leak)	Leak	
C. Alarm indicator Lights	YES	(NO)						

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	02461.2	NO	NO	NO
P-2	05030.1	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(LOW)	HIGH	OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)	
C. Are the alarms or indicator lights on?	YES	(NO)				
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	14445.1	NO	NO	NO
P-2	05960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	(NORMAL)	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are sump pumps running	(YES)	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	(NO)
C. Alarm indicator Lights	YES	(NO)	F. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0307.1	NO	NO	NO
P-2	0169.0	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	(YES)	NO
Lift Station No. 1	(YES)	NO
Decontamination Sump	(YES)	NO
Storage Containment Sump	(YES)	NO
Site Lighting	(YES)	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 2/15/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	(YES)	NO	(YES)	NO	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND	OFF	(AUTO)	HAND	OFF	(AUTO)	HAND	(OFF)	AUTO	HAND	OFF	(AUTO)	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO
D. Liquid Level in Sump	HIGH		(LOW)	OVERFLOW			HIGH		(LOW)	OVERFLOW			HIGH		(LOW)	OVERFLOW		
E. Leak in Manifold Piping	YES		(NO)				YES		(NO)				YES		(NO)			
F. Elapsed Time Meter	05468.6		02738.3		0249.3		07.5		0265.0		0.1							

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain YES (NO)

3. D-1 Force Main Totalizer 63671 **x 100 =** _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) **P-1** 0298.0 **P-2** 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	No Leak	Leak
C. Alarm indicator Lights	YES	(NO)					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04441.2	NO	NO	NO
P-2	05051.8	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(LOW)	HIGH	OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)	
C. Are the alarms or indicator lights on?	YES	(NO)				
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	14493.1	NO	NO	NO
P-2	05960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	(NORMAL)	HIGH	D. Check liquid level in sump	LOW	HIGH	OTHER
B. Are sump pumps running	(YES)	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	NO
C. Alarm Indicator Lights	YES	(NO)	F. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	03135	NO	NO	NO
P-2	10321	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	(YES)	NO
Lift Station No. 1	(YES)	NO
Decontamination Sump	(YES)	NO
Storage Containment Sump	(YES)	NO
Site Lighting	(YES)	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 2/20/19 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	(YES)	NO	(YES)	NO	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND	(OFF) AUTO	(HAND)	OFF AUTO	HAND	(OFF) AUTO	HAND	(OFF) AUTO	HAND	(OFF) AUTO	HAND	(OFF) AUTO
D. Liquid Level in Sump	HIGH	(LOW)	OVERFLOW		HIGH	(LOW)	OVERFLOW		HIGH	(LOW)	OVERFLOW	
E. Leak in Manifold Piping	YES		(NO)		YES		(NO)		YES		(NO)	
F. Elapsed Time Meter	05527.7		02758.3		0249.5		07.5		0265.0		0.1	

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain YES (NO)

3. D-1 Force Main Totalizer 67245 **x 100 =** _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) **P-1** 0500.2 **P-2** 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	LOW	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are Sump Pumps Running	YES	NO		E. Check for leak in manifold leachate piping	Checked	(No Leak)	Leak
C. Alarm indicator Lights	YES	NO					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	01141.2	NO	NO	NO
P-2	05097.0	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(LOW)	HIGH OTHER
B. Are sump pumps running?	(YES)	NO	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)
C. Are the alarms or indicator lights on?	YES	(NO)			
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	1443.1	NO	NO	NO
P-2	0360.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are sump pumps running	(YES)	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	(NO)
C. Alarm indicator Lights	YES	(NO)	F. Check if a pump is out of service		Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0314.8	NO	NO	NO
P-2	0106.3	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	(YES)	NO
Lift Station No. 1	(YES)	NO
Decontamination Sump	(YES)	NO
Storage Containment Sump	(YES)	NO
Site Lighting	(YES)	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 2/22/18 **INSPECTED BY:** AMD

I. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	(YES)	NO	(YES)	NO	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND	OFF	(AUTO)	HAND	OFF	(AUTO)	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO
D. Liquid Level in Sump	HIGH		(LOW)	OVERFLOW			HIGH		(LOW)	OVERFLOW			HIGH		(LOW)	OVERFLOW		
E. Leak in Manifold Piping	YES		(NO)				YES		(NO)				YES		(NO)			
F. Elapsed Time Meter	05552.9		02758.3		0249.3		07.5		0265.0		0.1							

2. Down-gradient and Curtain Drain — A. Is there settlement along alignment of down-gradient curtain drain: YES (NO)

3. D-1 Force Main Totalizer 6874 x 100 = _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) P-1 0301.0 P-2 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	(No Leak)	Leak
C. Alarm indicator Lights	YES	(NO)					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	34641.2	NO	NO	NO
P-2	05114.5	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(LOW)	HIGH OTHER
B. Are sump pumps running?	(YES)	NO	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)
C. Are the alarms or indicator lights on?	YES	(NO)			
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	14493.1	NO	NO	NO
P-2	03960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	(NORMAL)	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are sump pumps running	(YES)	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	(NO)
C. Alarm indicator Lights	YES	(NO)	F. Check if a pump is out of service		Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	03145	NO	NO	NO
P-2	010704	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	(YES)	NO
Lift Station No. 1	(YES)	NO
Decontamination Sump	(YES)	NO
Storage Containment Sump	(YES)	NO
Site Lighting	(YES)	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 2/26/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF
B. Running Light On	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
C. Selector Switch Position	HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO	
D. Liquid Level in Sump	HIGH	LOW	OVERFLOW		HIGH	LOW	OVERFLOW		HIGH	LOW	OVERFLOW	
E. Leak in Manifold Piping	YES	NO			YES	NO			YES	NO		
F. Elapsed Time Meter	05611.5		02750.3		02493		07.5		0265.0		0.1	

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain: YES / NO

3. D-1 Force Main Totalizer 72192 x 100 = _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) P-1: 0303.1 P-2: 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	LOW	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH / OTHER
B. Are Sump Pumps Running	YES	NO		E. Check for leak in manifold leachate piping	Checked	No Leak / Leak
C. Alarm indicator Lights	YES	NO				

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04441.2	NO	NO	NO
P-2	03751.4	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	NO	E. Check liquid level around stop planks. Is the level,	LOW	HIGH / OTHER
B. Are sump pumps running?	YES	NO	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	NO
C. Are the alarms or indicator lights on?	YES	NO			
D. Any leaks in the manifold discharge piping	YES	NO	G. Check if a pump is out of service	Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	16445.1	NO	NO	NO
P-2	03960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH	OTHER
B. Are sump pumps running	YES	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	NO
C. Alarm Indicator Lights	YES	NO	F. Check if a pump is out of service		Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	03215	NO	NO	NO
P-2	01077.3	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	NO	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	NO	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	NO	
B. Settlement along alignment of force main to Burr Avenue manhole	YES	NO	

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:			
Lift Station No. 1	YES	NO	
Lift Station No. 1	YES	NO	
Decontamination Sump	YES	NO	
Storage Containment Sump	YES	NO	
Site Lighting	YES	NO	

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-2
MONTHLY INSPECTION CHECKLIST
MANHOLE AND SUMPS
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

February-2018

Item No.	Inspection Item	Manhole and Sump Number									
		D-1	D-2	D-3	D-4	D-5	D-6	D-7	D-8	D-9	D-10
1	Manhole Cover	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
2	Silt Accumulation	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
3	Settlement	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
4	Pipe Connections	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
5	Settlement Along Curtain Drain	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
6	Flow into manhole or sump	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK

**NA= no access due to persistent snow and ice cover

Item No.	Inspection Item	Manhole and Sump Number									
		LS-1	LS-2	DS-1	DS-2*	TS-1	U-1	U-2	U-3	U-4	U-5	U-6
1	Manhole Cover	OK	OK	OK	-	OK		OK	OK	OK		-
2	Silt Accumulation	OK	OK	OK	-	OK		OK	OK	OK		-
3	Settlement	OK	OK	OK	-	OK		OK	OK	OK		-
4	Pipe Connections	OK	OK	OK	-	OK		OK	OK	OK		-
5	Settlement Along Curtain Drain	OK	OK	OK	-	OK		OK	OK	OK		-
6	Flow into manhole or sump	OK	OK	OK	-	OK		OK	OK	OK		

Notes:
1. Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.
2. Use "NS" (Not Satisfactory) where problems are noted.
3. For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary
4. *DS-2 was provided for the Decon Trailer which is no longer on the site. DS-2 is no longer in use.

DATE: **2/13/18**

Tech: AMD

Signature: _____

PELHAM BAY LANDFILL
GROUNDWATER LEACHATE BI-WEEKLY INSPECTION SUMMARY REPORT (GWL-1)
Month: March 2018

DATE	P.S. -D1 to WWTP Totalizer Reading (100 gals)	Downgradient Collection Sumps														Remarks and Deficiencies
		ELAPSED TIME METER READINGS (Minutes)						ELAPSED TIME METER READINGS (Hours)								
		Decon Pumps		D-8		D-10		D-1		Lift Sta. No. 1		Lift Sta. No. 2		Leachate Storage Containment Sump		
		Pump-1	Pump-2	Pump-1	Pump-2	Pump-1	Pump-2	Pump-1	Pump-2	Pump-1	Pump-2	Pump-1	Pump-2	Pump-1	Pump-2	
1-Mar	74395	304.1	0.1	249.3	7.5	265.0	0.1	5648.8	2738.3	4441.2	5176.1	14443.1	3960.1	323.9	1075.4	
5-Mar	78547	307.1	0.1	249.3	7.5	265.0	0.1	5717.2	2759.2	4441.2	5225.9	14443.1	3960.1	323.9	1088.7	
8-Mar	80525	308.4	0.1	249.3	7.5	265.0	0.1	5760.5	2759.4	4441.2	5253.2	14443.1	3960.1	324.0	1095.7	
12-Mar	84654	310.1	0.1	249.3	7.5	265.0	0.1	5822.8	2759.4	4441.2	5291.8	14443.1	3960.1	324.0	1104.7	
15-Mar	86940	311.2	0.1	249.3	7.5	265.0	0.1	5862.2	2759.4	4441.2	5317.7	14443.1	3960.1	324.0	1111.5	
19-Mar	89451	312.3	0.1	249.3	7.5	265.0	0.1	5905.5	2759.4	4441.2	5346.8	14443.1	3960.1	324.0	1119.6	
22-Mar	91332	313.5	0.1	249.3	7.5	265.0	0.1	5938.0	2759.4	4441.2	5369.0	14443.1	3960.1	324.0	1125.8	
26-Mar	94116	315.4	0.1	249.3	7.5	265.0	0.1	5985.9	2759.0	4441.2	5400.9	14443.1	3960.1	324.0	1133.2	
29-Mar	96045	316.6	0.1	249.3	7.5	265.0	0.1	6018.9	2759.0	4441.2	5423.4	14443.1	3960.1	324.0	1133.5	

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 3/1/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF
B. Running Light On	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
C. Selector Switch Position	HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO	
D. Liquid Level in Sump	HIGH	LOW	OVERFLOW		HIGH	LOW	OVERFLOW		HIGH	LOW	OVERFLOW	
E. Leak in Manifold Piping	YES	NO			YES	NO			YES	NO		
F. Elapsed Time Meter	05648.8		02738.3		02493		07.5		0265.0		0.1	

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain YES NO

3. D-1 Force Main Totalizer 74395 **x 100 =** _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) **P-1** 03054.1 **P-2** 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	LOW	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH	OTHER
B. Are Sump Pumps Running	YES	NO		E. Check for leak in manifold leachate piping	Checked	No Leak	Leak
C. Alarm indicator Lights	YES	NO					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04441.2	NO	NO	NO
P-2	05176.1	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	NO	E. Check liquid level around stop planks. Is the level,	LOW	HIGH	OTHER
B. Are sump pumps running?	YES	NO	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	NO	
C. Are the alarms or indicator lights on?	YES	NO				
D. Any leaks in the manifold discharge piping	YES	NO	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04443.1	NO	NO	NO
P-2	05960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH	OTHER
B. Are sump pumps running	YES	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	NO
C. Alarm indicator Lights	YES	NO	F. Check if a pump is out of service		Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	05239	NO	NO	NO
P-2	01075.4	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	NO	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	NO	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	NO
B. Settlement along alignment of force main to Burr Avenue manhole	YES	NO

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	YES	NO
Lift Station No. 1	YES	NO
Decontamination Sump	YES	NO
Storage Containment Sump	YES	NO
Site Lighting	YES	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 3/5/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF
B. Running Light On	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
C. Selector Switch Position	HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO	
D. Liquid Level in Sump	HIGH	LOW	OVERFLOW		HIGH	LOW	OVERFLOW		HIGH	LOW	OVERFLOW	
E. Leak in Manifold Piping	YES	NO			YES	NO			YES	NO		
F. Elapsed Time Meter	05717.2		02759.2		02493		07.5		02650		0.1	

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain YES NO

3. D-1 Force Main Totalizer 76547 x 100 = _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) **P-1** 0307.1 **P-2** 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	LOW	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH	OTHER
B. Are Sump Pumps Running	YES	NO		E. Check for leak in manifold leachate piping	Checked	No Leak	Leak
C. Alarm indicator Lights	YES	NO					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04211.2	NO	NO	NO
P-2	05225.4	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	NO	E. Check liquid level around stop planks. Is the level,	LOW	HIGH	OTHER
B. Are sump pumps running?	YES	NO	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	NO	
C. Are the alarms or indicator lights on?	YES	NO				
D. Any leaks in the manifold discharge piping	YES	NO	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	14443.1	NO	NO	NO
P-2	03960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH	OTHER
B. Are sump pumps running	YES	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	NO
C. Alarm indicator Lights	YES	NO	F. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	03239	NO	NO	NO
P-2	01083.7	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	NO	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	NO	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	NO
B. Settlement along alignment of force main to Burr Avenue manhole	YES	NO

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	YES	NO
Lift Station No. 1	YES	NO
Decontamination Sump	YES	NO
Storage Containment Sump	YES	NO
Site Lighting	YES	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 3/8/18 **INSPECTED BY:** AMO

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF
B. Running Light On	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
C. Selector Switch Position	HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO	
D. Liquid Level in Sump	HIGH	LOW	OVERFLOW		HIGH	LOW	OVERFLOW		HIGH	LOW	OVERFLOW	
E. Leak in Manifold Piping	YES	NO			YES	NO			YES	NO		
F. Elapsed Time Meter	05760.5	02754.4			0299.3	07.5			0265.0	0.1		

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain YES NO

3. D-1 Force Main Totalizer 80525 **x 100 =** **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) **P-1** 0253.4 **P-2** 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	LOW	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH	OTHER
B. Are Sump Pumps Running	YES	NO		E. Check for leak in manifold leachate piping	Checked	No Leak	Leak
C. Alarm indicator Lights	YES	NO					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	11411.2	NO	NO	NO
P-2	05253.3	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	NO	E. Check liquid level around stop planks. Is the level,	LOW HIGH	OTHER
B. Are sump pumps running?	YES	NO	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	NO
C. Are the alarms or indicator lights on?	YES	NO			
D. Any leaks in the manifold discharge piping	YES	NO	G. Check if a pump is out of service	Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	14443.1	NO	NO	NO
P-2	03960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH	OTHER	
B. Are sump pumps running	YES	NO	E. Is there any leak in the storage tanks and manifold discharge piping			YES	NO
C. Alarm indicator Lights	YES	NO	F. Check if a pump is out of service		Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	03240	NO	NO	NO
P-2	01015.7	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	NO	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	NO	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	NO
B. Settlement along alignment of force main to Burr Avenue manhole	YES	NO

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	YES	NO
Lift Station No. 1	YES	NO
Decontamination Sump	YES	NO
Storage Containment Sump	YES	NO
Site Lighting	YES	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 3/12/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF
B. Running Light On	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
C. Selector Switch Position	HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO	
D. Liquid Level in Sump	HIGH	LOW	OVERFLOW		HIGH	LOW	OVERFLOW		HIGH	LOW	OVERFLOW	
E. Leak in Manifold Piping	YES		NO		YES		NO		YES		NO	
F. Elapsed Time Meter	05822.8		02759.4		0249.3		01.5		0265.0		0.1	

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain YES NO

3. D-1 Force Main Totalizer 946547 **x 100 =** _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) **P-1** 0310.1 **P-2** 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	LOW	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH	OTHER
B. Are Sump Pumps Running	YES	NO		E. Check for leak in manifold leachate piping	Checked	No Leak	Leak
C. Alarm indicator Lights	YES	NO					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	044611.2	NO	NO	NO
P-2	05291.8	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	NO	E. Check liquid level around stop planks. Is the level,	LOW	HIGH OTHER
B. Are sump pumps running?	YES	NO	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	NO
C. Are the alarms or indicator lights on?	YES	NO			
D. Any leaks in the manifold discharge piping	YES	NO	G. Check if a pump is out of service	Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04443.1	NO	NO	NO
P-2	03960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH	OTHER
B. Are sump pumps running	YES	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	NO
C. Alarm indicator Lights	YES	NO	F. Check if a pump is out of service		Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	03249.0	NO	NO	NO
P-2	01104.7	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	NO	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	NO	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	NO
B. Settlement along alignment of force main to Burr Avenue manhole	YES	NO

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	YES	NO
Lift Station No. 1	YES	NO
Decontamination Sump	YES	NO
Storage Containment Sump	YES	NO
Site Lighting	YES	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 3-15-18 **INSPECTED BY:** E. McLeod

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	(YES)	NO	YES	NO	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND OFF (AUTO)		HAND OFF (AUTO)		HAND OFF AUTO		HAND OFF AUTO		HAND (OFF) AUTO		HAND (OFF) AUTO	
D. Liquid Level in Sump	HIGH	(LOW)	OVERFLOW		HIGH	LOW	OVERFLOW		HIGH	LOW	OVERFLOW	
E. Leak in Manifold Piping	YES	(NO)			YES	(NO)			YES	(NO)		
F. Elapsed Time Meter	05960.2	05754.4			00049.3	00007.2			00365.0	00004.1		

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain YES NO

3. D-1 Force Main Totalizer 56940 x 100 = _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) **P-1** 00311.2 **P-2** 00000.1

5. Lift Station No. 1

A. Flow from Curtain Drain	LOW	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	(No Leak)	Leak
C. Alarm indicator Lights	YES	(NO)					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	00441.2	NO	NO	NO
P-2	05317.7	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(LOW)	HIGH	OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)	
C. Are the alarms or indicator lights on?	YES	(NO)				
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	14443.1	NO	NO	NO
P-2	03960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	(NORMAL)	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are sump pumps running	YES	(NO)	E. Is there any leak in the storage tanks and manifold discharge piping		YES	(NO)
C. Alarm indicator Lights	YES	(NO)	F. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	00309.0			
P-2	01111.5			

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	(YES)	NO
Lift Station No. 1	(YES)	NO
Decontamination Sump	(YES)	NO
Storage Containment Sump	(YES)	NO
Site Lighting	(YES)	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 3/19/18 **INSPECTED BY:** AMP

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	(YES)	NO	(YES)	NO	(YES)	NO	(YES)	NO	(YES)	NO	(YES)	NO
C. Selector Switch Position	HAND	OFF	AUTO	HAND	OFF	(AUTO)	(HAND)	OFF	AUTO	HAND	(OFF)	AUTO	(HAND)	OFF	AUTO	HAND	(OFF)	AUTO
D. Liquid Level in Sump	HIGH		(LOW)		OVERFLOW		HIGH		(LOW)		OVERFLOW		HIGH		(LOW)		OVERFLOW	
E. Leak in Manifold Piping	YES		(NO)		YES		(NO)		YES		(NO)	
F. Elapsed Time Meter	05905.5		02759.4		02493		075		02650		0.1	

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain — YES / (NO)

3. D-1 Force Main Totalizer 39457 x 100 = _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) **P-1** 0512.3 **P-2** 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are Sump Pumps Running	(YES)	NO	E. Check for leak in manifold leachate piping	Checked	(No Leak)	Leak
C. Alarm indicator Lights	YES	(NO)				

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04441.2	NO	NO	NO
P-2	05316.8	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(LOW)	HIGH	OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)
C. Are the alarms or indicator lights on?	YES	(NO)			
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04443.1	NO	NO	NO
P-2	03966.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	(NORMAL)	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are sump pumps running	(YES)	NO	E. Is there any leak in the storage tanks and manifold discharge piping	YES	(NO)
C. Alarm indicator Lights	YES	(NO)	F. Check if a pump is out of service	Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	03240.1	NO	NO	NO
P-2	03119.6	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	(YES)	NO
Lift Station No. 1	(YES)	NO
Decontamination Sump	(YES)	NO
Storage Containment Sump	(YES)	NO
Site Lighting	(YES)	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 3/22/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF
B. Running Light On	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
C. Selector Switch Position	HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO	
D. Liquid Level in Sump	HIGH	LOW	OVERFLOW		HIGH	LOW	OVERFLOW		HIGH	LOW	OVERFLOW	
E. Leak in Manifold Piping	YES	NO			YES	NO			YES	NO		
F. Elapsed Time Meter	059360	027594			0249.3	07.5			0265.0	0.1		

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain YES NO

3. D-1 Force Main Totalizer 91552 x 100 = _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) **P-1** 0315.5 **P-2** 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	LOW	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH	OTHER
B. Are Sump Pumps Running	YES	NO		E. Check for leak in manifold leachate piping	Checked	No Leak	Leak
C. Alarm indicator Lights	YES	NO					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	044477.2	NO	NO	NO
P-2	05369.0	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	NO	E. Check liquid level around stop planks. Is the level,	LOW	HIGH OTHER
B. Are sump pumps running?	YES	NO	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	NO
C. Are the alarms or indicator lights on?	YES	NO			
D. Any leaks in the manifold discharge piping	YES	NO	G. Check if a pump is out of service	Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	14443.1	NO	NO	NO
P-2	03960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH	OTHER
B. Are sump pumps running	YES	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	NO
C. Alarm indicator Lights	YES	NO	F. Check if a pump is out of service		Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	03241.0	NO	NO	NO
P-2	01125.6	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	NO	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	NO	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	NO
B. Settlement along alignment of force main to Burr Avenue manhole	YES	NO

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	YES	NO
Lift Station No. 1	YES	NO
Decontamination Sump	YES	NO
Storage Containment Sump	YES	NO
Site Lighting	YES	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 3/26/19 **INSPECTED BY:** AM

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF
B. Running Light On	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
C. Selector Switch Position	HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO	
D. Liquid Level in Sump	HIGH	LOW	OVERFLOW		HIGH	LOW	OVERFLOW		HIGH	LOW	OVERFLOW	
E. Leak in Manifold Piping	YES	NO			YES	NO			YES	NO		
F. Elapsed Time Meter	059359.1		02759.0		0249.3		07.5		0265.0		0.1	

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain: YES / NO

3. D-1 Force Main Totalizer 9616 x 100 = _____ **D-1 Force Main Pressure** _____

4. Decon. Pumps (ETM) P-1: 03154 P-2: 0.

5. Lift Station No. 1

A. Flow from Curtain Drain	LOW	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH / OTHER
B. Are Sump Pumps Running	YES	NO		E. Check for leak in manifold leachate piping	Checked	No Leak / Leak
C. Alarm indicator Lights	YES	NO				

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	illegible	NO	NO	NO
P-2	illegible	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	NO	E. Check liquid level around stop planks. Is the level,	LOW	HIGH / OTHER
B. Are sump pumps running?	YES	NO	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	NO
C. Are the alarms or indicator lights on?	YES	NO			
D. Any leaks in the manifold discharge piping	YES	NO	G. Check if a pump is out of service	Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	14443.1	NO	NO	NO
P-2	03960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH	OTHER
B. Are sump pumps running	YES	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	NO
C. Alarm indicator Lights	YES	NO	F. Check if a pump is out of service		Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	illegible	NO	NO	NO
P-2	illegible	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	NO	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	NO	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	NO
B. Settlement along alignment of force main to Burr Avenue manhole	YES	NO

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	YES	NO
Lift Station No. 1	YES	NO
Decontamination Sump	YES	NO
Storage Containment Sump	YES	NO
Site Lighting	YES	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 3/29/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	(YES)	NO	(YES)	NO	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND OFF (AUTO)		HAND OFF (AUTO)		HAND (OFF) AUTO		HAND (OFF) AUTO		HAND (OFF) AUTO		HAND (OFF) AUTO	
D. Liquid Level in Sump	HIGH	(LOW)	OVERFLOW		HIGH	(LOW)	OVERFLOW		HIGH	(LOW)	OVERFLOW	
E. Leak in Manifold Piping	YES		(NO)		YES		(NO)		YES		(NO)	
F. Elapsed Time Meter	6018.9		02759.0		0249.3		07.5		0265.0		0.1	

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain YES (NO)

3. D-1 Force Main Totalizer 76045 **x 100 =** _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) **P-1** 3166 **P-2** 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	(No Leak)	Leak
C. Alarm indicator Lights	YES	(NO)					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04441.0	NO	NO	NO
P-2	05223.4	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(LOW)	HIGH OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)
C. Are the alarms or indicator lights on?	YES	(NO)			
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	14443.1	NO	NO	NO
P-2	03960.	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	(NORMAL)	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are sump pumps running	(YES)	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	(NO)
C. Alarm indicator Lights	YES	(NO)	F. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0324.0	NO	NO	NO
P-2	01138.5	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	(YES)	NO
Lift Station No. 1	(YES)	NO
Decontamination Sump	(YES)	NO
Storage Containment Sump	(YES)	NO
Site Lighting	(YES)	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-2
MONTHLY INSPECTION CHECKLIST
MANHOLE AND SUMPS
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

March-2018

Item No.	Inspection Item	Manhole and Sump Number									
		D-1	D-2	D-3	D-4	D-5	D-6	D-7	D-8	D-9	D-10
1	Manhole Cover	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
2	Silt Accumulation	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
3	Settlement	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
4	Pipe Connections	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
5	Settlement Along Curtain Drain	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
6	Flow into manhole or sump	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK

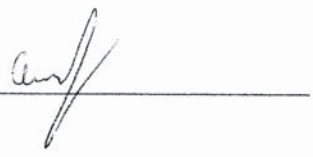
**NA= no access due to persistent snow and ice cover

Item No.	Inspection Item	Manhole and Sump Number									
		LS-1	LS-2	DS-1	DS-2*	TS-1	U-1	U-2	U-3	U-4	U-5	U-6
1	Manhole Cover	OK	OK	OK	-	OK		OK	OK	OK		-
2	Silt Accumulation	OK	OK	OK	-	OK		OK	OK	OK		-
3	Settlement	OK	OK	OK	-	OK		OK	OK	OK		-
4	Pipe Connections	OK	OK	OK	-	OK		OK	OK	OK		-
5	Settlement Along Curtain Drain	OK	OK	OK	-	OK		OK	OK	OK		-
6	Flow into manhole or sump	OK	OK	OK	-	OK		OK	OK	OK		

Notes:
1. Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.
2. Use "NS" (Not Satisfactory) where problems are noted.
3. For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary
4. *DS-2 was provided for the Decon Trailer which is no longer on the site. DS-2 is no longer in use.

DATE: **3/12/18**

Tech: AMD

Signature: 

PELHAM BAY LANDFILL
GROUNDWATER LEACHATE BI-WEEKLY INSPECTION SUMMARY REPORT (GWL-1)
Month: April 2018

DATE	P.S. -D1 to WWTP Totalizer Reading (100 gals)	Downgradient Collection Sumps														Remarks and Deficiencies
		ELAPSED TIME METER READINGS (Minutes)						ELAPSED TIME METER READINGS (Hours)								
		Decon Pumps		D-8		D-10		D-1		Lift Sta. No. 1		Lift Sta. No. 2		Leachate Storage Containment Sump		
		Pump-1	Pump-2	Pump-1	Pump-2	Pump-1	Pump-2	Pump-1	Pump-2	Pump-1	Pump-2	Pump-1	Pump-2	Pump-1	Pump-2	
2-Apr	98484	318.1	0.1	249.3	7.5	265.0	0.1	6060.7	2759.0	4441.2	5452.1	14443.1	3960.1	324.0	1145.5	
5-Apr	100780	319.8	0.1	249.3	7.5	265.0	0.1	6101.7	2760.3	4441.2	5477.2	14443.1	3960.1	324.0	1150.1	
9-Apr	103444	321.4	0.1	249.3	7.5	265.0	0.1	6148.4	2760.3	4441.2	5507.9	14443.1	3960.1	324.0	1156.1	
12-Apr	105261	322.5	0.1	249.3	7.5	265.0	0.1	6180.1	2760.2	4441.2	5529.3	14443.1	3960.1	324.0	1158.9	
16-Apr	107820	344.6	0.1	249.3	7.5	265.0	0.1	6224.0	2761.5	4443.1	5559.1	14443.1	3960.1	324.0	1162.9	
19-Apr	110865	365.8	0.1	249.3	7.5	265.0	0.1	6274.8	2775.6	4444.5	5592.0	14443.1	3960.1	324.0	1166.9	
23-Apr	113700	392.1	0.1	249.3	7.5	265.0	0.1	6323.1	2775.6	4444.5	5622.8	14443.1	3960.1	324.0	1168.8	
26-Apr	115446	403.9	0.1	249.3	7.5	265.0	0.1	6352.5	2775.6	4445.9	5631.5	14443.1	3960.1	324.0	1169.7	
30Apr.	117603	422.2	0.1	249.3	7.5	265.0	0.1	6388.7	2775.6	4449.2	5631.5	14443.1	3960.1	324.0	1170.7	

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 4/21/16 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	(YES)	NO	(YES)	NO	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND	OFF	(AUTO)	HAND	OFF	(AUTO)	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO
D. Liquid Level in Sump	HIGH		(LOW)	OVERFLOW			HIGH		(LOW)	OVERFLOW			HIGH		(LOW)	OVERFLOW		
E. Leak in Manifold Piping	YES		(NO)				YES		(NO)				YES		(NO)			
F. Elapsed Time Meter	6060.7		2759.0		0249.3		07.5		0265.0		0.1							

2. Down-gradient and Curtain Drain — A. Is there settlement along alignment of down-gradient curtain drain: YES (NO)

3. D-1 Force Main Totalizer 98484 **x 100 =** _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) **P-1** 319.1 **P-2** 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	(No Leak)	Leak
C. Alarm indicator Lights	YES	(NO)					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	4441.2	NO	NO	NO
P-2	5452.1	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(LOW)	HIGH	OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)	
C. Are the alarms or indicator lights on?	YES	(NO)				
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	4443.1	NO	NO	NO
P-2	03960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are sump pumps running	(YES)	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	(NO)
C. Alarm indicator Lights	YES	(NO)	F. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	324.0	NO	NO	NO
P-2	1145.5	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	(YES)	NO
Lift Station No. 1	(YES)	NO
Decontamination Sump	(YES)	NO
Storage Containment Sump	(YES)	NO
Site Lighting	(YES)	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 4/5/18 **INSPECTED BY:** AMO

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
C. Selector Switch Position	HAND OFF (AUTO)		HAND OFF (AUTO)		HAND (OFF) AUTO		HAND OFF (AUTO)		HAND (OFF) AUTO		HAND (OFF) AUTO	
D. Liquid Level in Sump	HIGH	LOW	OVERFLOW		HIGH	LOW	OVERFLOW		HIGH	LOW	OVERFLOW	
E. Leak in Manifold Piping	YES		(NO)		YES		(NO)		YES		(NO)	
F. Elapsed Time Meter	0201.7		027603		0219.3		07.5		0265.0		0.1	

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain YES (NO)

3. D-1 Force Main Totalizer 100780 x 100 = _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) **P-1** 0219.3 **P-2** 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are Sump Pumps Running	YES	NO		E. Check for leak in manifold leachate piping	Checked	(No Leak)	Leak
C. Alarm indicator Lights	YES	(NO)					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	[illegible]	NO	NO	NO
P-2	05977.2	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(LOW)	HIGH	OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)
C. Are the alarms or indicator lights on?	YES	(NO)			
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	[illegible]	NO	NO	NO
P-2	03760.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	(NORMAL)	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are sump pumps running	(YES)	NO	E. Is there any leak in the storage tanks and manifold discharge piping			YES (NO)
C. Alarm Indicator Lights	YES	(NO)	F. Check if a pump is out of service		Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	03260	NO	NO	NO
P-2	01501	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	(YES)	NO
Lift Station No. 1	(YES)	NO
Decontamination Sump	(YES)	NO
Storage Containment Sump	(YES)	NO
Site Lighting	(YES)	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 4/9/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF
B. Running Light On	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
C. Selector Switch Position	HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO	
D. Liquid Level in Sump	HIGH	LOW	OVERFLOW		HIGH	LOW	OVERFLOW		HIGH	LOW	OVERFLOW	
E. Leak in Manifold Piping	YES	NO			YES	NO			YES	NO		
F. Elapsed Time Meter	06484.0	27603			02493	075			0265.0	0.1		

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain YES NO

3. D-1 Force Main Totalizer 103444 **x 100 =** _____ **D-1 Force Main Pressure** _____

4. Decon. Pumps (ETM) **P-1** 0321.4 **P-2** 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	LOW	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH	OTHER
B. Are Sump Pumps Running	YES	NO		E. Check for leak in manifold leachate piping	Checked	No Leak	Leak
C. Alarm indicator Lights	YES	NO					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04411.4	NO	NO	NO
P-2	05307.9	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	NO	E. Check liquid level around stop planks. Is the level,	LOW HIGH OTHER	
B. Are sump pumps running?	YES	NO	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	NO
C. Are the alarms or indicator lights on?	YES	NO			
D. Any leaks in the manifold discharge piping	YES	NO	G. Check if a pump is out of service	Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	14413.1	NO	NO	NO
P-2	03960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH	OTHER
B. Are sump pumps running	YES	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	NO
C. Alarm Indicator Lights	YES	NO	F. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0324.0	NO	NO	NO
P-2	01156.1	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	NO	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	NO	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	NO
B. Settlement along alignment of force main to Burr Avenue manhole	YES	NO

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	YES	NO
Lift Station No. 1	YES	NO
Decontamination Sump	YES	NO
Storage Containment Sump	YES	NO
Site Lighting	YES	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 4/12/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	(YES)	NO	(YES)	NO	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND	OFF	(AUTO)	HAND	OFF	(AUTO)	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO
D. Liquid Level in Sump	HIGH		(LOW)	OVERFLOW			HIGH		(LOW)	OVERFLOW			HIGH		(LOW)	OVERFLOW		
E. Leak in Manifold Piping	YES		(NO)				YES		(NO)				YES		(NO)			
F. Elapsed Time Meter	06180.1		02760.2		0249.3		07.5		0265.0		0.1							

2. Down-gradient and Curtain Drain — A. Is there settlement along alignment of down-gradient curtain drain: YES (NO)

3. D-1 Force Main Totalizer 10526 x 100 = _____ **D-1 Force Main Pressure** _____

4. Decon. Pumps (ETM) P-1: 0522.5 P-2: 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	(No Leak)	Leak
C. Alarm indicator Lights	YES	(NO)					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04641.2	NO	NO	(NO)
P-2	05529.3	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(LOW)	HIGH	OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)	
C. Are the alarms or indicator lights on?	YES	(NO)				
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	14443.1	NO	NO	NO
P-2	03760.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	(NORMAL)	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER	
B. Are sump pumps running	(YES)	NO	E. Is there any leak in the storage tanks and manifold discharge piping			YES	(NO)
C. Alarm indicator Lights	YES	(NO)	F. Check if a pump is out of service		Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	03210	NO	NO	NO
P-2	01594.9	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	(YES)	NO
Lift Station No. 1	(YES)	NO
Decontamination Sump	(YES)	NO
Storage Containment Sump	(YES)	NO
Site Lighting	(YES)	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 4/10/19 INSPECTED BY: AM

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	~~YES~~	NO	~~YES~~	NO	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. ~~Selector Switch~~ Position	HAND OFF (AUTO)		HAND OFF (AUTO)		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND (OFF) AUTO	
D. Liquid Level in Sump	HIGH	(LOW)	OVERFLOW		HIGH	(LOW)	OVERFLOW		HIGH	(LOW)	OVERFLOW	
E. Leak in Manifold Piping	YES		(NO)		YES		(NO)		YES		(NO)	
F. Elapsed Time Meter	6224.6		2761.5		03493		07.5		0265.0		0.1	

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain YES (NO)

3. D-1 Force Main Totalizer 10826 x 100 = _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) P-1 344.6 P-2 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are Sump Pumps Running	~~YES~~	NO		E. Check for leak in manifold leachate piping	Checked	(No Leak)	Leak
C. Alarm indicator Lights	YES	(NO)					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	4443.1	(NO)	(NO)	(NO)
P-2	5559.1	(NO)	(NO)	(NO)

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(LOW)	HIGH	OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)	
C. Are the alarms or indicator lights on?	YES	(NO)				
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	14443.1	(NO)	(NO)	(NO)
P-2	05960.1	(NO)	(NO)	(NO)

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	(NORMAL)	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are sump pumps running	~~YES~~	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	(NO)
C. Alarm indicator Lights	YES	(NO)	F. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	524.0	(NO)	(NO)	(NO)
P-2	1162.9	(NO)	(NO)	(NO)

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	(YES)	NO
Lift Station No. 1	(YES)	NO
Decontamination Sump	(YES)	NO
Storage Containment Sump	(YES)	NO
Site Lighting	(YES)	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

* LARGE LEAK IN MANIFOLD DISCHARGE PIPING TANK 3 REPORTED TO PARKS SEE DP-1

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 4/19/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	YES	NO	YES	NO	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND	OFF	(AUTO)	HAND	OFF	(AUTO)	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO
D. Liquid Level in Sump	HIGH		(LOW)		OVERFLOW		HIGH		(LOW)		OVERFLOW		HIGH		(LOW)		OVERFLOW	
E. Leak in Manifold Piping	YES		(NO)				YES		(NO)				YES		(NO)			
F. Elapsed Time Meter	06274.8		02775.6		02493		075		0265.0		0.1							

2. Down-gradient and Curtain Drain — A. Is there settlement along alignment of down-gradient curtain drain: YES (NO)

3. D-1 Force Main Totalizer 10365 x 100 = _____ **D-1 Force Main Pressure** _____

4. Decon. Pumps (ETM) P-1: 0365.9 P-2: 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	(No Leak)	Leak
C. Alarm indicator Lights	YES	(NO)					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04424.5	NO	NO	NO
P-2	05592.0	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(LOW)	HIGH	OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)	
C. Are the alarms or indicator lights on?	YES	(NO)				
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	14493	NO	NO	NO
P-2	03960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	(NORMAL)	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are sump pumps running	(YES)	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	(NO)
C. Alarm indicator Lights	YES	(NO)	F. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	03240	NO	NO	NO
P-2	01166.9	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	(YES)	NO
Lift Station No. 1	(YES)	NO
Decontamination Sump	(YES)	NO
Storage Containment Sump	(YES)	NO
Site Lighting	(YES)	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 4/23/18 **INSPECTED BY:** AM

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	~~YES~~	NO	~~YES~~	NO	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND	OFF	(AUTO)	HAND	OFF	(AUTO)	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO
D. Liquid Level in Sump	HIGH		(LOW)		OVERFLOW		HIGH		(LOW)		OVERFLOW		HIGH		(LOW)		OVERFLOW	
E. Leak in Manifold Piping	YES		(NO)				YES		(NO)				YES		(NO)			
F. Elapsed Time Meter	06323.1		02775.6		0249.3		07.5		0265.0		03.1							

2. Down-gradient and Curtain Drain — A. Is there settlement along alignment of down-gradient curtain drain: YES (NO)

3. D-1 Force Main Totalizer 13700 x 100 = _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) P-1 0392.1 P-2 01

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	No Leak	Leak
C. Alarm indicator Lights	YES	(NO)					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	044145	NO	NO	NO
P-2	05622.6	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(low)	HIGH	OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)	
C. Are the alarms or indicator lights on?	YES	(NO)				
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	44143.1	NO	NO	NO
P-2	03960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH	OTHER
B. Are sump pumps running	YES	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	NO
C. Alarm indicator Lights	YES	NO	F. Check if a pump is out of service		Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	03240	NO	NO	NO
P-2	01168.5	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	NO	OFF
B. *Settlement along alignment of force main to Burr Avenue manhole*	YES	NO	

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	(YES)	NO
Lift Station No. 1	(YES)	NO
Decontamination Sump	(YES)	NO
Storage Containment Sump	(YES)	NO
Site Lighting	(YES)	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 4/26/19 **INSPECTED BY:** AMP

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	YES	NO	YES	NO	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND	OFF	(AUTO)	HAND	OFF	(AUTO)	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO
D. Liquid Level in Sump	HIGH		LOW	OVERFLOW			HIGH		(LOW)	OVERFLOW			HIGH		(LOW)	OVERFLOW		
E. Leak in Manifold Piping	YES		(NO)		YES		(NO)		YES		(NO)	
F. Elapsed Time Meter	063525		027756		02493		075		0265.0		0.1	

2. Down-gradient and Curtain Drain — A. Is there settlement along alignment of down-gradient curtain drain: YES (NO)

3. D-1 Force Main Totalizer 11546 **x 100 =** _____ **D-1 Force Main Pressure** _____

4. Decon. Pumps (ETM) **P-1** 04054 **P-2** 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	(No Leak)	Leak
C. Alarm indicator Lights	YES	(NO)					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	044415.9	NO	NO	NO
P-2	056513	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(LOW)	HIGH OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)
C. Are the alarms or indicator lights on?	YES	(NO)			
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	14443.1	NO	NO	NO
P-2	05960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	(NORMAL)	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are sump pumps running	(YES)	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	(NO)
C. Alarm indicator Lights	YES	(NO)	F. Check if a pump is out of service	Pump 1		Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	03740	NO	NO	NO
P-2	01169.7	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	NO
B. Settlement along alignment of force main to Burr Avenue manhole	YES	NO

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	(YES)	NO
Lift Station No. 1	YES	NO
Decontamination Sump	YES	NO
Storage Containment Sump	YES	NO
Site Lighting	YES	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1 44
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 4/30/19 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	(YES)	NO	(YES)	NO	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND	OFF	(AUTO)	HAND	OFF	(AUTO)	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO
D. Liquid Level in Sump	HIGH		(LOW)	OVERFLOW			HIGH		(LOW)	OVERFLOW			HIGH		(LOW)	OVERFLOW		
E. Leak in Manifold Piping	YES		(NO)				YES		(NO)				YES		(NO)			
F. Elapsed Time Meter	06588.7		02775.6		249.3		01.5		0265.0		0.1							

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain: YES (NO)

3. D-1 Force Main Totalizer 11603 x 100 = _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) **P-1** 0422.2 **P-2** 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER	
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	(No Leak)	Leak	
C. Alarm indicator Lights	YES	(NO)						

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04449.2	NO	NO	NO
P-2	05631.5	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(LOW)	HIGH	OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)	
C. Are the alarms or indicator lights on?	YES	(NO)				
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	14443.1	NO	NO	NO
P-2	03960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	(NORMAL)	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER	
B. Are sump pumps running	(YES)	NO	E. Is there any leak in the storage tanks and manifold discharge piping			YES	NO
C. Alarm Indicator Lights	YES	(NO)	F. Check if a pump is out of service		Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	03241.0	NO	NO	NO
P-2	01170.7	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	(YES)	NO
Lift Station No. 1	(YES)	NO
Decontamination Sump	(YES)	NO
Storage Containment Sump	(YES)	NO
Site Lighting	(YES)	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-2
MONTHLY INSPECTION CHECKLIST
MANHOLE AND SUMPS
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

April-2018

Item No.	Inspection Item	Manhole and Sump Number									
		D-1	D-2	D-3	D-4	D-5	D-6	D-7	D-8	D-9	D-10
1	Manhole Cover	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
2	Silt Accumulation	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
3	Settlement	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
4	Pipe Connections	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
5	Settlement Along Curtain Drain	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
6	Flow into manhole or sump	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK

**NA= no access due to persistent snow and ice cover

Item No.	Inspection Item	Manhole and Sump Number									
		LS-1	LS-2	DS-1	DS-2*	TS-1	U-1	U-2	U-3	U-4	U-5	U-6
1	Manhole Cover	OK	OK	OK	-	OK		OK	OK	OK		-
2	Silt Accumulation	OK	OK	OK	-	OK		OK	OK	OK		-
3	Settlement	OK	OK	OK	-	OK		OK	OK	OK		-
4	Pipe Connections	OK	OK	OK	-	OK		OK	OK	OK		-
5	Settlement Along Curtain Drain	OK	OK	OK	-	OK		OK	OK	OK		-
6	Flow into manhole or sump	OK	OK	OK	-	OK		OK	OK	OK		

Notes:
1. Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.
2. Use "NS" (Not Satisfactory) where problems are noted.
3. For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary
4. *DS-2 was provided for the Decon Trailer which is no longer on the site. DS-2 is no longer in use.

DATE: **4/13/18**

Tech: AMD

Signature: 

FORM DP-1
DESCRIPTION OF DEFICIENCEIES AND PROBLEMS
PELHAM BAY LANDFILL, BRONX, NY

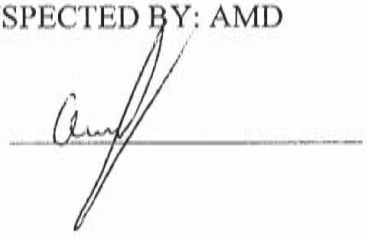
Month: April 2018

FORM NO.	LOCATION	DESCRIPTION OF PROBLEM	CORRECTIVE ACTION
GWL-2	Manifold discharge piping tank 3	Large leak in discharge piping.	Reported to PARKS.

DATE: 4/16/2018

INSPECTED BY: AMD

WEATHER: Rain

SIGNATURE: 

FORM GWL-3
QUARTERLY INSPECTION CHECKLIST
MONITORING WELL
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDILL
(REFERENCE VOLUME III SECTION 4)

DATE: 4/4/18 INITIALS: AMD

Check For	Sampling Well Designation									
	MW 104	**MW 106**	**MW 109**	**MW 110**	**MW 113**	**MW 114**	**MW 115**	**MW 115B**	**MW 118**	**MW 119**
1. Damage/Vandalism	NS	OK	OK	OK	OK	OK	OK	OK	OK	NS
2. Settlement	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
3. Accessibility	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK

Check For	Sampling Well Designation								
	MW 120	**MW 120B**	**MW 121**	**MW 122**	**MW 126**	**MW 117**	**MW 117B**	**MW 124**	**MW 124B**
1. Damage/Vandalism	OK	OK	OK	OK	OK	NA	NA	OK	OK
2. Settlement	OK	OK	OK	OK	OK	NA	NA	OK	OK
3. Accessibility	OK	OK	OK	OK	OK	NA	NA	OK	OK

Check For	PZ-A	PZ-B	PZ-C	PZ-D	PZ-F
1. Damage/Vandalism	OK	OK	OK	OK	OK
2. Settlement	OK	OK	OK	OK	OK
3. Accessibility	OK	OK	OK	OK	OK

Notes: Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.

1. Use "NS" (Not Satisfactory) where problems are noted.
2. For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary
3. MW 117 and 117B have no access.

PELHAM BAY LANDFILL
GROUNDWATER LEACHATE BI-WEEKLY INSPECTION SUMMARY REPORT (GWL-1)
Month: May 2018

DATE	P.S. -D1 to WWTP Totalizer Reading (100 gals)	Downgradient Collection Sumps														Remarks and Deficiencies
		ELAPSED TIME METER READINGS (Minutes)						ELAPSED TIME METER READINGS (Hours)								
		Decon Pumps		D-8		D-10		D-1		Lift Sta. No. 1		Lift Sta. No. 2		Leachate Storage Containment Sump		
		Pump-1	Pump-2	Pump-1	Pump-2	Pump-1	Pump-2	Pump-1	Pump-2	Pump-1	Pump-2	Pump-1	Pump-2	Pump-1	Pump-2	
3-May	119220	437.5	0.1	249.3	7.5	265.0	0.1	6416.0	2775.6	4450.7	5631.3	14443.1	3960.1	324.0	1171.2	
7-May	121402	459.9	0.1	249.3	7.5	265.0	0.1	6451.9	2775.7	4452.2	5631.3	14443.1	3960.1	324.0	1173.0	
10-May	123030	476.9	0.1	249.3	7.5	265.0	0.1	6478.7	2775.7	4453.0	5631.3	14443.1	3960.1	324.0	1174.4	
14-May	125178	496.0	0.1	249.3	7.5	265.0	0.1	6574.0	2775.9	4454.4	5631.3	14443.1	3960.1	324.0	1174,8	
17-May	126863	509.3	0.1	249.3	7.5	265.0	0.1	6541.6	2776.0	4457.0	5631.3	14443.1	3960.1	324.0	1175.2	
21-May	129198	526.7	0.1	249.3	7.5	265.0	0.1	6577	2776.3	4461.3	5631.3	14443.1	3960.1	324.0	1175.8	
24-May	130964	540.2	0.1	249.3	7.5	265.0	0.1	6605.3	2776.2	4463.5	5631.3	14443.1	3960.1	324.0	1176.0	
29-May	133805	550.5	0.1	249.3	7.5	265.0	0.1	6649.8	2776.4	4467.7	5631.3	14443.1	3960.1	324.0	1176.4	
31-May	134792	551.5	0.1	249.3	7.5	265.0	0.1	6654.3	2776.4	4468.5	5631.3	14443.1	3960.1	324.0	1176.4	

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 5/3/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	(YES)	NO	(YES)	NO	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND OFF (AUTO)		HAND OFF (AUTO)		HAND (OFF) AUTO		HAND (OFF) AUTO		HAND (OFF) AUTO		HAND (OFF) AUTO	
D. Liquid Level in Sump	HIGH	(LOW)	OVERFLOW		HIGH	(LOW)	OVERFLOW		HIGH	(LOW)	OVERFLOW	
E. Leak in Manifold Piping	YES		(NO)		YES		(NO)		YES		(NO)	
F. Elapsed Time Meter	06416.0		02775.6		0249.3		07.5		0265.0		0.1	

2. Down-gradient and Curtain Drain — A. Is there settlement along alignment of down-gradient curtain drain: YES (NO)

3. D-1 Force Main Totalizer 119220 x 100 = _____ **D-1 Force Main Pressure** _____

4. Decon. Pumps (ETM) P-1: 0457.5 P-2: 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER	
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	(No Leak)	Leak	
C. Alarm indicator Lights	YES	(NO)						

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	011150.7	NO	NO	NO
P-2	05651.3	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(Low)	HIGH	OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)	
C. Are the alarms or indicator lights on?	YES	(NO)				
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	12445.1	NO	NO	NO
P-2	03760.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	(NORMAL)	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are sump pumps running	(YES)	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	(NO)
C. Alarm indicator Lights	YES	(NO)	F. Check if a pump is out of service		Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	03241.0	NO	NO	NO
P-2	01171.2	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	(YES)	NO
Lift Station No. 1	(YES)	NO
Decontamination Sump	(YES)	NO
Storage Containment Sump	(YES)	NO
Site Lighting	(YES)	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 5/7/18 **INSPECTED BY:** AMP

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	(YES)	NO	(YES)	NO	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND	(OFF) AUTO	(AUTO) HAND	OFF	(AUTO)	HAND	(OFF)	AUTO	HAND	(OFF) AUTO	HAND	(OFF) AUTO
D. Liquid Level in Sump	HIGH	(LOW)	OVERFLOW		HIGH	(LOW)	OVERFLOW		HIGH	(LOW)	OVERFLOW	
E. Leak in Manifold Piping	YES		(NO)		YES		(NO)		YES		(NO)	
F. Elapsed Time Meter	06451.9		02775.7		0249.3		07.5		0265.0		0.1	

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain (YES) (NO)

3. D-1 Force Main Totalizer 12402 **x 100 =** _____ **D-1 Force Main Pressure** _____

4. Decon. Pumps (ETM) **P-1** 0459.9 **P-2** 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER	
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	No Leak	Leak	
C. Alarm indicator Lights	YES	(NO)						

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04452.2	NO	NO	NO
P-2	05651.3	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(LOW)	HIGH	OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)	
C. Are the alarms or indicator lights on?	YES	(NO)				
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	14443.1	NO	NO	NO
P-2	03960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	(NORMAL)	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER	
B. Are sump pumps running	(YES)	NO	E. Is there any leak in the storage tanks and manifold discharge piping			YES	(NO)
C. Alarm indicator Lights	YES	(NO)	F. Check if a pump is out of service		Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0324.0	NO	NO	NO
P-2	0173.0	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)	
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)	

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:			
Lift Station No. 1	(YES)	NO	
Lift Station No. 1	(YES)	NO	
Decontamination Sump	(YES)	NO	
Storage Containment Sump	(YES)	NO	
Site Lighting	(YES)	NO	

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 5/10/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF
B. Running Light On	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
C. Selector Switch Position	HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO	
D. Liquid Level in Sump	HIGH	LOW	OVERFLOW		HIGH	LOW	OVERFLOW		HIGH	LOW	OVERFLOW	
E. Leak in Manifold Piping	YES	NO			YES	NO			YES	NO		
F. Elapsed Time Meter	06478.7	02775.7			0249.5	07.5			0265.0	0.1		

2. Down-gradient and Curtain Drain — A. Is there settlement along alignment of down-gradient curtain drain: YES / NO

3. D-1 Force Main Totalizer 123030 x 100 = _____ **D-1 Force Main Pressure** _____

4. Decon. Pumps (ETM) P-1 04765 P-2 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	LOW	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH	OTHER
B. Are Sump Pumps Running	YES	NO		E. Check for leak in manifold leachate piping	Checked	No Leak	Leak
C. Alarm indicator Lights	YES	NO					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	044533.8	NO	NO	NO
P-2	035631.3	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	NO	E. Check liquid level around stop planks. Is the level,	LOW	HIGH	OTHER
B. Are sump pumps running?	YES	NO	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	NO	
C. Are the alarms or indicator lights on?	YES	NO				
D. Any leaks in the manifold discharge piping	YES	NO	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	144431.1	NO	NO	NO
P-2	035960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH	OTHER
B. Are sump pumps running	YES	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	NO
C. Alarm indicator Lights	YES	NO	F. Check if a pump is out of service		Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	03241.0	NO	NO	NO
P-2	011744.4	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	NO	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	NO	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	NO
B. Settlement along alignment of force main to Burr Avenue manhole	YES	NO

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	YES	NO
Lift Station No. 1	YES	NO
Decontamination Sump	YES	NO
Storage Containment Sump	YES	NO
Site Lighting	YES	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 5/14/18 **INSPECTED BY:** AM

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF
B. Running Light On	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
C. Selector Switch Position	HAND	OFF	AUTO	HAND	OFF	AUTO	HAND	OFF	AUTO	HAND	OFF	AUTO	HAND	OFF	AUTO	HAND	OFF	AUTO
D. Liquid Level in Sump	HIGH		LOW	OVERFLOW			HIGH		LOW	OVERFLOW			HIGH		LOW	OVERFLOW		
E. Leak in Manifold Piping	YES		NO				YES		NO				YES		NO			
F. Elapsed Time Meter	06514.0		02775.9		02493		07.5		0265.0		0.1	

2. Down-gradient and Curtain Drain — A. Is there settlement along alignment of down-gradient curtain drain: YES / NO

3. D-1 Force Main Totalizer 12573 x 100 = **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) P-1 0496.0 P-2 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	LOW	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH / OTHER
B. Are Sump Pumps Running	YES	NO		E. Check for leak in manifold leachate piping	Checked	NO Leak / Leak
C. Alarm indicator Lights	YES	NO				

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04954.4	NO	NO	NO
P-2	05631.3	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	NO	E. Check liquid level around stop planks. Is the level	LOW	HIGH / OTHER
B. Are sump pumps running?	YES	NO	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	NO
C. Are the alarms or indicator lights on?	YES	NO	G. Check if a pump is out of service	Pump 1	Pump 2
D. Any leaks in the manifold discharge piping	YES	NO			

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	14443.1	NO	NO	NO
P-2	03960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH	OTHER
B. Are sump pumps running	YES	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	NO
C. Alarm indicator Lights	YES	NO	F. Check if a pump is out of service		Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	03254.0	NO	NO	NO
P-2	01174.8	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	NO	BLOWER No. 1 (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	NO	BLOWER No. 2 (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	NO
B. Settlement along alignment of force main to Burr Avenue manhole	YES	NO

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	YES	NO
Lift Station No. 1	YES	NO
Decontamination Sump	YES	NO
Storage Containment Sump	YES	NO
Site Lighting	YES	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 5/17/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	(YES)	NO	(YES)	NO	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND	OFF	(AUTO)	HAND	OFF	(AUTO)	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO
D. Liquid Level in Sump	HIGH		(LOW)		OVERFLOW		HIGH		(LOW)		OVERFLOW		HIGH		(LOW)		OVERFLOW	
E. Leak in Manifold Piping	YES			(NO)			YES			(NO)			YES			(NO)		
F. Elapsed Time Meter	06541.6		02776.0		0249.3		07.5		0265.0		0.1							

2. Down-gradient and Curtain Drain — A. Is there settlement along alignment of down-gradient curtain drain: YES (NO)

3. D-1 Force Main Totalizer 126863 x 100 = — D-1 Force Main Pressure

4. Decon. Pumps (ETM) — P-1 0509.3 — P-2 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	(NOT CHK)	Leak
C. Alarm indicator Lights	YES	(NO)					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04457.0	NO	NO	NO
P-2	05631.3	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level:	(LOW)	HIGH	OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)	
C. Are the alarms or indicator lights on?	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2	
D. Any leaks in the manifold discharge piping	YES	(NO)				

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	14443.1	NO	NO	NO
P-2	03960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	(NORMAL)	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are sump pumps running	YES	(NO)	E. Is there any leak in the storage tanks and manifold discharge piping		YES	(NO)
C. Alarm indicator Lights	YES	(NO)	F. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0324.0	NO	NO	NO
P-2	0175.2	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	BLOWER No. 1 (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	BLOWER No. 2 (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:

Lift Station No. 1	(YES)	NO	
Lift Station No. 1	(YES)	NO	
Decontamination Sump	(YES)	NO	
Storage Containment Sump	(YES)	NO	
Site Lighting	(YES)	NO	

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 5/21/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF
B. Running Light On	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
C. Selector Switch Position	HAND	OFF	AUTO	HAND	OFF	AUTO	HAND	OFF	AUTO	HAND	OFF	AUTO	HAND	OFF	AUTO	HAND	OFF	AUTO
D. Liquid Level in Sump	HIGH		LOW	OVERFLOW			HIGH		LOW	OVERFLOW			HIGH		LOW	OVERFLOW		
E. Leak in Manifold Piping	YES		NO		YES		NO		YES		NO	
F. Elapsed Time Meter	06577.0		02776.3		0249.3		07.5		0265.0		0.1	

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain YES NO

3. D-1 Force Main Totalizer 129198 x 100 = _____ **D-1 Force Main Pressure** _____

4. Decon. Pumps (ETM) P-1 0526.7 P-2 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	LOW	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH	OTHER	
B. Are Sump Pumps Running	YES	NO		E. Check for leak in manifold leachate piping	Checked	No Leak	Leak	
C. Alarm indicator Lights	YES	NO						

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	044613	NO	NO	NO
P-2	056313	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	NO	E. Check liquid level around stop planks. Is the level.	LOW	HIGH	OTHER
B. Are sump pumps running?	YES	NO	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	NO	
C. Are the alarms or indicator lights on?	YES	NO				
D. Any leaks in the manifold discharge piping	YES	NO	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	1443.1	NO	NO	NO
P-2	05960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH	OTHER
B. Are sump pumps running	YES	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	NO
C. Alarm indicator Lights	YES	NO	F. Check if a pump is out of service		Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0324.0	NO	NO	NO
P-2	0175.8	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	NO	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	NO	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	NO
B. Settlement along alignment of force main to Burr Avenue manhole	YES	NO

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	YES	NO
Lift Station No. 1	YES	NO
Decontamination Sump	YES	NO
Storage Containment Sump	YES	NO
Site Lighting	YES	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 5/24/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF
B. Running Light On	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
C. Selector Switch Position	HAND	OFF	AUTO	HAND	OFF	AUTO	HAND	OFF	AUTO	HAND	OFF	AUTO	HAND	OFF	AUTO	HAND	OFF	AUTO
D. Liquid Level in Sump	HIGH		LOW	OVERFLOW			HIGH		LOW	OVERFLOW			HIGH		LOW	OVERFLOW		
E. Leak in Manifold Piping	YES		NO		YES		NO		YES		NO	
F. Elapsed Time Meter	06605.3		02776.2		0249.3		07.5		03650		0.1	

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain YES NO

3. D-1 Force Main Totalizer 13076 x 100 = **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) P-1 0540.2 P-2 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	LOW	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH	OTHER	
B. Are Sump Pumps Running	YES	NO		E. Check for leak in manifold leachate piping	Checked	No Leak	Leak	
C. Alarm indicator Lights	YES	NO						

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04463.5	NO	NO	NO
P-2	05631.3	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	NO	E. Check liquid level around stop planks. Is the level,	LOW	HIGH	OTHER
B. Are sump pumps running?	YES	NO	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	NO	
C. Are the alarms or indicator lights on?	YES	NO				
D. Any leaks in the manifold discharge piping	YES	NO	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	14443.1	NO	NO	NO
P-2	05960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH	OTHER	
B. Are sump pumps running	YES	NO	E. Is there any leak in the storage tanks and manifold discharge piping			YES	NO
C. Alarm indicator Lights	YES	NO	F. Check if a pump is out of service		Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0324.0	NO	NO	NO
P-2	01176.0	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	NO	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	NO	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	NO
B. Settlement along alignment of force main to Burr Avenue manhole	YES	NO

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	YES	NO
Lift Station No. 1	YES	NO
Decontamination Sump	YES	NO
Storage Containment Sump	YES	NO
Site Lighting	YES	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 5/29/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	(YES)	NO	(YES)	NO	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND OFF (AUTO)		HAND OFF (AUTO)		HAND (OFF) AUTO		HAND (OFF) AUTO		HAND (OFF) AUTO		HAND (OFF) AUTO	
D. Liquid Level in Sump	HIGH	(LOW)	OVERFLOW		HIGH	(LOW)	OVERFLOW		HIGH	(LOW)	OVERFLOW	
E. Leak in Manifold Piping	YES	(NO)			YES	(NO)			YES	(NO)		
F. Elapsed Time Meter	066495	02776.4			02493	07.5			02650	0.1		

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain YES (NO)

3. D-1 Force Main Totalizer 133805 x 100 = _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) P-1 0550.3 P-2 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	(No Leak)	Leak
C. Alarm indicator Lights	YES	(NO)					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	044607	NO	NO	NO
P-2	05631.3	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(LOW)	HIGH	OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)	
C. Are the alarms or indicator lights on?	YES	(NO)				
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	044451	NO	NO	NO
P-2	03960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are sump pumps running	YES	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	(NO)
C. Alarm indicator Lights	YES	NO	F. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	03240	NO	NO	NO
P-2	01176.4	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	Off
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	(YES)	NO
Lift Station No. 1	(YES)	NO
Decontamination Sump	(YES)	NO
Storage Containment Sump	(YES)	NO
Site Lighting	(YES)	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 5/31/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	ON	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	~~YES~~	NO	YES	NO	YES	~~NO~~	YES	~~NO~~	YES	~~NO~~	YES	~~NO~~
C. Selector Switch Position	HAND OFF (AUTO)		HAND OFF AUTO		HAND (OFF) AUTO		HAND ~~OFF~~ AUTO		HAND (OFF) AUTO		HAND (OFF) AUTO	
D. Liquid Level in Sump	HIGH	(LOW)	OVERFLOW		HIGH	(LOW)	OVERFLOW		HIGH	(LOW)	OVERFLOW	
E. Leak in Manifold Piping	YES		(NO)		YES		(NO)		YES		(NO)	
F. Elapsed Time Meter	06654.3		02776.4		0249.3		07.5		02650		0.1	

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain YES (NO)

3. D-1 Force Main Totalizer 13472 x 100 = _____ **D-1 Force Main Pressure** _____

4. Decon. Pumps (ETM) P-1 05551.5 P-2 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	(No Leak)	Leak
C. Alarm indicator Lights	YES	(NO)					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04468.5	NO	NO	NO
P-2	05651.3	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(LOW)	HIGH	OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)
C. Are the alarms or indicator lights on?	YES	(NO)			
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	14495.1	NO	NO	NO
P-2	03960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	(NORMAL)	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are sump pumps running	(YES)	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	(NO)
C. Alarm Indicator Lights	YES	(NO)	F. Check if a pump is out of service	Pump 1		Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0324.0	NO	NO	NO
P-2	01176.4	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)	
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)	

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:			
Lift Station No. 1	(YES)	NO	
Lift Station No. 1	(YES)	NO	
Decontamination Sump	(YES)	NO	
Storage Containment Sump	(YES)	NO	
Site Lighting	(YES)	NO	

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-2
MONTHLY INSPECTION CHECKLIST
MANHOLE AND SUMPS
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

May-2018

Item No.	Inspection Item	Manhole and Sump Number									
		D-1	D-2	D-3	D-4	D-5	D-6	D-7	D-8	D-9	D-10
1	Manhole Cover	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
2	Silt Accumulation	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
3	Settlement	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
4	Pipe Connections	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
5	Settlement Along Curtain Drain	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
6	Flow into manhole or sump	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK

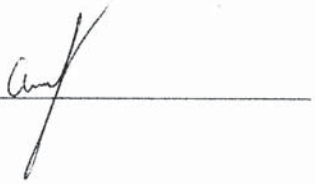
**NA= no access due to persistent snow and ice cover

Item No.	Inspection Item	Manhole and Sump Number									
		LS-1	LS-2	DS-1	DS-2*	TS-1	U-1	U-2	U-3	U-4	U-5	U-6
1	Manhole Cover	OK	OK	OK	-	OK		OK	OK	OK		-
2	Silt Accumulation	OK	OK	OK	-	OK		OK	OK	OK		-
3	Settlement	OK	OK	OK	-	OK		OK	OK	OK		-
4	Pipe Connections	OK	OK	OK	-	OK		OK	OK	OK		-
5	Settlement Along Curtain Drain	OK	OK	OK	-	OK		OK	OK	OK		-
6	Flow into manhole or sump	OK	OK	OK	-	OK		OK	OK	OK		

Notes:
1. Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.
2. Use "NS" (Not Satisfactory) where problems are noted.
3. For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary
4. *DS-2 was provided for the Decon Trailer which is no longer on the site. DS-2 is no longer in use.

DATE: **5/4/18**

Tech: AMD

Signature: 

PELHAM BAY LANDFILL
GROUNDWATER LEACHATE BI-WEEKLY INSPECTION SUMMARY REPORT (GWL-1)
Month: June 2018

DATE	P.S. -D1 to WWTP Totalizer Reading (100 gals)	Decon Pumps		Downgradient Collection Sumps												Remarks and Deficiencies
		ELAPSED TIME METER READINGS (Minutes)						ELAPSED TIME METER READINGS (Hours)								
		Decon Pumps		D-8		D-10		D-1		Lift Sta. No. 1		Lift Sta. No. 2		Leachate Storage Containment Sump		
		Pump-1	Pump-2	Pump-1	Pump-2	Pump-1	Pump-2	Pump-1	Pump-2	Pump-1	Pump-2	Pump-1	Pump-2	Pump-1	Pump-2	
4-Jun	136770	560.1	0.1	249.3	7.5	265.0	0.1	6660.0	2776.4	4470.1	5631.3	14443.1	3960.1	324.0	1176.4	Lift Station No. 2, Pump Station D-8 and Pump Station D-10 have been removed from service for testing of leachate field.
7-Jun	138239	572.3	0.1	249.3	7.5	265.0	0.1	6664.1	2776.4	4471,8	5631.3	14443.1	3960.1	324.0	1176.7	
11-Jun	140179	595.3	0.1	249.3	7.5	265.0	0.1	6668.9	2776.4	4473.1	5631.3	14443.1	3960.1	324.0	1176.7	
14-Jun	141672	613.0	0.1	249.3	7.5	265.0	0.1	6672.4	2776.4	4474.0	5631.3	14443.1	3960.1	324.0	1176.7	
18-Jun	142332	635.4	0.1	249.3	7.5	265.0	0.1	6675.5	2776.5	4474.4	5631.3	14443.1	3960.1	324.0	1176.7	
21-Jun	142451	651.1	0.1	249.3	7.5	265.0	0.1	6677.7	2776.5	4475.2	5631.3	14443.1	3960.1	324.0	1176.7	
25-Jun	142610	673.4	0.1	249.3	7.5	265.0	0.1	6680.7	2776.5	4476.2	5631.3	14443.1	3960.1	324.0	1176.7	
28-Jun	142716	684.7	0.1	249.3	7.5	265.0	0.1	6682.7	2776.5	4476.5	5631.3	14443.1	3960.1	324.0	1176.7	

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 6/4/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	(YES)	NO	(YES)	NO	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND	(OFF) AUTO	(AUTO)	HAND OFF (AUTO)	HAND	(OFF) AUTO	HAND OFF (AUTO)		HAND	(OFF) AUTO	HAND OFF (AUTO)	
D. Liquid Level in Sump	HIGH	(LOW)	OVERFLOW		HIGH	(LOW)	OVERFLOW		HIGH	(LOW)	OVERFLOW	
E. Leak in Manifold Piping	YES	(NO)			YES	(NO)			YES	(NO)		
F. Elapsed Time Meter	6660.0	2776.4			02493	07.5			0265.0	0.1		

2. Down-gradient and Curtain Drain — A. Is there settlement along alignment of down-gradient curtain drain: YES (NO)

3. D-1 Force Main Totalizer _____ x 100 = _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) — **P-1** 560. **P-2** 0.

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	(No Leak)	Leak
C. Alarm indicator Lights	YES	(NO)					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	4470.1	NO	NO	NO
P-2	5631.3	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(LOW)	HIGH	OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)	
C. Are the alarms or indicator lights on?	YES	(NO)				
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	14443.1	NO	NO	NO
P-2	03960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	(NORMAL)	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are sump pumps running	(YES)	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	(NO)
C. Alarm indicator Lights	YES	(NO)	F. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	324.0	NO	NO	NO
P-2	1776.4	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	(YES)	NO
Lift Station No. 1	(YES)	NO
Decontamination Sump	(YES)	NO
Storage Containment Sump	(YES)	NO
Site Lighting	(YES)	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 6/7/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF
B. Running Light On	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
C. Selector Switch Position	HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO	
D. Liquid Level in Sump	HIGH	LOW	OVERFLOW		HIGH	LOW	OVERFLOW		HIGH	LOW	OVERFLOW	
E. Leak in Manifold Piping	YES	NO			YES	NO			YES	NO		
F. Elapsed Time Meter	06664.1	02776.4			0249.3	07.5			0265.0	0.1		

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain YES NO

3. D-1 Force Main Totalizer 138239 x 100 = _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) **P-1** 0572.5 **P-2** 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	LOW	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH	OTHER
B. Are Sump Pumps Running	YES	NO		E. Check for leak in manifold leachate piping	Checked	No Leak	Leak
C. Alarm indicator Lights	YES	NO					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04497.8	NO	NO	NO
P-2	0563.5	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	NO	E. Check liquid level around stop planks. Is the level,	LOW	HIGH	OTHER
B. Are sump pumps running?	YES	NO	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	NO	
C. Are the alarms or indicator lights on?	YES	NO				
D. Any leaks in the manifold discharge piping	YES	NO	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	14443.1	NO	NO	NO
P-2	03960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH	OTHER
B. Are sump pumps running	YES	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	NO
C. Alarm indicator Lights	YES	NO	F. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0524.0	NO	NO	NO
P-2	01176.7	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	NO	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	NO	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	NO
B. Settlement along alignment of force main to Burr Avenue manhole	YES	NO

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	YES	NO
Lift Station No. 1	YES	NO
Decontamination Sump	YES	NO
Storage Containment Sump	YES	NO
Site Lighting	YES	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 6/11/15 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	(YES)	NO	(YES)	NO	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND	(OFF)	(AUTO)	HAND	OFF	(AUTO)	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO
D. Liquid Level in Sump	HIGH		(LOW)		OVERFLOW		HIGH		(LOW)		OVERFLOW		HIGH		(LOW)		OVERFLOW	
E. Leak in Manifold Piping	YES		(NO)				YES		(NO)				YES		(NO)			
F. Elapsed Time Meter	06668.1		02776.4		0249.3		07.5		0265.0		0.1							

2. Down-gradient and Curtain Drain — A. Is there settlement along alignment of down-gradient curtain drain: YES (NO)

3. D-1 Force Main Totalizer 14017 x 100 = _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) P-1: 0595.3 P-2: 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	(NO Leak)	Leak
C. Alarm indicator Lights	YES	(NO)					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	4473.1	NO	NO	NO
P-2	0563.5	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(LOW)	HIGH	OTHER
B. Are sump pumps running?	(YES)	NO	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)	
C. Are the alarms or indicator lights on?	YES	(NO)				
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	1443.1	NO	NO	NO
P-2	0360.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	(NORMAL)	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are sump pumps running	(YES)	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	(NO)
C. Alarm indicator Lights	YES	(NO)	F. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	324.0	NO	NO	NO
P-2	1176.7	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	(YES)	NO
Lift Station No. 1	(YES)	NO
Decontamination Sump	(YES)	NO
Storage Containment Sump	(YES)	NO
Site Lighting	(YES)	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 6/14/18 **INSPECTED BY:** AM

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	YES	NO	YES	NO	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND / OFF / (AUTO)		HAND / OFF / (AUTO)		HAND / (OFF) / AUTO		HAND / (OFF) / AUTO		HAND / (OFF) / AUTO		HAND / (OFF) / AUTO	
D. Liquid Level in Sump	HIGH	(LOW)	OVERFLOW		HIGH	(LOW)	OVERFLOW		HIGH	(LOW)	OVERFLOW	
E. Leak in Manifold Piping	YES	(NO)			YES	(NO)			YES	(NO)		
F. Elapsed Time Meter	6672.4	02776.4			02493	07.5			02650	0.1		

2. Down-gradient and Curtain Drain — A. Is there settlement along alignment of down-gradient curtain drain: YES (NO)

3. D-1 Force Main Totalizer 14167.2 x 100 = _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) P-1 613.0 P-2 0

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	(No Leak)	Leak
C. Alarm indicator Lights	YES	(NO)					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04474.0	NO	NO	NO
P-2	05631.3	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(LOW)	HIGH	OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)	
C. Are the alarms or indicator lights on?	YES	(NO)				
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	14443.1	NO	NO	NO
P-2	03960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are sump pumps running	YES	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	(NO)
C. Alarm indicator Lights	YES	NO	F. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	3240	NO	NO	NO
P-2	01176.7	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	(YES)	NO
Lift Station No. 1	(YES)	NO
Decontamination Sump	(YES)	NO
Storage Containment Sump	(YES)	NO
Site Lighting	(YES)	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 6/18/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	(YES)	NO	(YES)	NO	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND	(OFF) AUTO	(AUTO)	HAND OFF	(AUTO)	HAND	(OFF) AUTO		HAND	(OFF) AUTO		HAND (OFF) AUTO
D. Liquid Level in Sump	HIGH	(LOW)	OVERFLOW		HIGH	(LOW)	OVERFLOW		HIGH	(LOW)	OVERFLOW	
E. Leak in Manifold Piping	YES	(NO)			YES	(NO)			YES	(NO)		
F. Elapsed Time Meter	06675.5		02776.5		0247.3		07.5		0265.0		0.1	

2. Down-gradient and Curtain Drain — A. Is there settlement along alignment of down-gradient curtain drain: YES (NO)

3. D-1 Force Main Totalizer 14233.2 x 100 = _____ **D-1 Force Main Pressure** _____

4. Decon. Pumps (ETM) **P-1** 0635.4 **P-2** 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	(No Leak)	Leak
C. Alarm indicator Lights	YES	(NO)					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04479.4	NO	NO	NO
P-2	05631.3	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(LOW)	HIGH	OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)	
C. Are the alarms or indicator lights on?	YES	(NO)				
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	14443.1	NO	NO	NO
P-2	03960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	(NORMAL)	HIGH	D. Check liquid level in sump	LOW	HIGH	OTHER
B. Are sump pumps running	(YES)	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	NO
C. Alarm indicator Lights	YES	(NO)	F. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0324.0	NO	NO	NO
P-2	01176.7	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	0F
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	(YES)	NO
Lift Station No. 1	(YES)	NO
Decontamination Sump	(YES)	NO
Storage Containment Sump	(YES)	NO
Site Lighting	(YES)	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 6/21/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF
B. Running Light On	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
C. Selector Switch Position	HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO	
D. Liquid Level in Sump	HIGH	LOW	OVERFLOW		HIGH	LOW	OVERFLOW		HIGH	LOW	OVERFLOW	
E. Leak in Manifold Piping	YES	NO			YES	NO			YES	NO		
F. Elapsed Time Meter	06677.7	02776.5			0249.3	07.5			0265.0	0.1		

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain YES NO

3. D-1 Force Main Totalizer 14245 x 100 = _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) P-1 651.1 P-2 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	LOW	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH	OTHER
B. Are Sump Pumps Running	YES	NO		E. Check for leak in manifold leachate piping	Checked	No Leak	Leak
C. Alarm indicator Lights	YES	NO					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04475.2	NO	NO	NO
P-2	02631.3	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	NO	E. Check liquid level around stop planks. Is the level,	LOW	HIGH	OTHER
B. Are sump pumps running?	YES	NO	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	NO	
C. Are the alarms or indicator lights on?	YES	NO				
D. Any leaks in the manifold discharge piping	YES	NO	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04443.1	NO	NO	NO
P-2	03960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH	OTHER
B. Are sump pumps running	YES	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	NO
C. Alarm Indicator Lights	YES	NO	F. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	03241.0	NO	NO	NO
P-2	01176.7	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	NO	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	NO	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	NO
B. Settlement along alignment of force main to Burr Avenue manhole	YES	NO

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	YES	NO
Lift Station No. 1	YES	NO
Decontamination Sump	YES	NO
Storage Containment Sump	YES	NO
Site Lighting	YES	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 6/25/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	(YES)	NO	(YES)	NO	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND	OFF	(AUTO)	HAND	OFF	(AUTO)	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO
D. Liquid Level in Sump	HIGH		(LOW)		OVERFLOW		HIGH		(LOW)		OVERFLOW		HIGH		(LOW)		OVERFLOW	
E. Leak in Manifold Piping	YES		(NO)				YES		(NO)				YES		(NO)			
F. Elapsed Time Meter	06680.7		02776.5		0249.3		07.5		0265.0		0.1							

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain YES (NO)

3. D-1 Force Main Totalizer 42610 **x 100 =** _____ **D-1 Force Main Pressure** _____

4. Decon. Pumps (ETM) **P-1** 0673.4 **P-2** 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER	
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	(No Leak)	Leak	
C. Alarm indicator Lights	YES	(NO)						

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04476.2	NO	NO	NO
P-2	05651.3	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(LOW)	HIGH	OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)	
C. Are the alarms or indicator lights on?	YES	(NO)				
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	14445.1	NO	NO	NO
P-2	05960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	(NORMAL)	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are sump pumps running	(YES)	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	(NO)
C. Alarm indicator Lights	YES	(NO)	F. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0324.6	NO	NO	NO
P-2	01176.7	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	NO	OFF
B. Settlement along alignment of force main to Burr Avenue manhole	YES	NO	

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:			
Lift Station No. 1	(YES)	NO	
Lift Station No. 1	(YES)	NO	
Decontamination Sump	(YES)	NO	
Storage Containment Sump	(YES)	NO	
Site Lighting	(YES)	NO	

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 6/28/19 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF
B. Running Light On	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
C. Selector Switch Position	HAND	OFF	AUTO	HAND	OFF	AUTO	HAND	OFF	AUTO	HAND	OFF	AUTO	HAND	OFF	AUTO	HAND	OFF	AUTO
D. Liquid Level in Sump	HIGH		LOW	OVERFLOW			HIGH		LOW	OVERFLOW			HIGH		LOW	OVERFLOW		
E. Leak in Manifold Piping	YES		NO				YES		NO				YES		NO			
F. Elapsed Time Meter	06682.7		02776.5		0249.3		07.5		0265.0		0.1							

2. Down-gradient and Curtain Drain — A. Is there settlement along alignment of down-gradient curtain drain: YES / NO

3. D-1 Force Main Totalizer 14276 x 100 = _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) **P-1** 0684.7 **P-2** 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	LOW	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH	OTHER
B. Are Sump Pumps Running	YES	NO		E. Check for leak in manifold leachate piping	Checked	No Leak	Leak
C. Alarm indicator Lights	YES	NO					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04476.5	NO	NO	NO
P-2	05631.3	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	NO	E. Check liquid level around stop planks. Is the level,	LOW	HIGH	OTHER
B. Are sump pumps running?	YES	NO	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	NO	
C. Are the alarms or indicator lights on?	YES	NO				
D. Any leaks in the manifold discharge piping	YES	NO	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	14443.1	NO	NO	NO
P-2	03960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH	OTHER
B. Are sump pumps running	YES	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	NO
C. Alarm indicator Lights	YES	NO	F. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0324.6	NO	NO	NO
P-2	0176.7	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	NO	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	NO	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	NO
B. Settlement along alignment of force main to Burr Avenue manhole	YES	NO

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	YES	NO
Lift Station No. 1	YES	NO
Decontamination Sump	YES	NO
Storage Containment Sump	YES	NO
Site Lighting	YES	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-2
MONTHLY INSPECTION CHECKLIST
MANHOLE AND SUMPS
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

June-2018

Item No.	Inspection Item	Manhole and Sump Number									
		D-1	D-2	D-3	D-4	D-5	D-6	D-7	D-8	D-9	D-10
1	Manhole Cover	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
2	Silt Accumulation	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
3	Settlement	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
4	Pipe Connections	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
5	Settlement Along Curtain Drain	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
6	Flow into manhole or sump	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK

**NA= no access due to persistent snow and ice cover

Item No.	Inspection Item	Manhole and Sump Number									
		LS-1	LS-2	DS-1	DS-2*	TS-1	U-1	U-2	U-3	U-4	U-5	U-6
1	Manhole Cover	OK	OK	OK	-	OK		OK	OK	OK		-
2	Silt Accumulation	OK	OK	OK	-	OK		OK	OK	OK		-
3	Settlement	OK	OK	OK	-	OK		OK	OK	OK		-
4	Pipe Connections	OK	OK	OK	-	OK		OK	OK	OK		-
5	Settlement Along Curtain Drain	OK	OK	OK	-	OK		OK	OK	OK		-
6	Flow into manhole or sump	OK	OK	OK	-	OK		OK	OK	OK		

Notes:
1. Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.
2. Use "NS" (Not Satisfactory) where problems are noted.
3. For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary
4. *DS-2 was provided for the Decon Trailer which is no longer on the site. DS-2 is no longer in use.

DATE: **6/8/18**

Tech: AMD

Signature: 

PELHAM BAY LANDFILL
GROUNDWATER LEACHATE BI-WEEKLY INSPECTION SUMMARY REPORT (GWL-1)
Month: July 2018

DATE	P.S. -D1 to WWTP Totalizer Reading (100 gals)	Downgradient Collection Sumps														Remarks and Deficiencies
		ELAPSED TIME METER READINGS (Minutes)						ELAPSED TIME METER READINGS (Hours)								
		Decon Pumps		D-8		D-10		D-1		Lift Sta. No. 1		Lift Sta. No. 2		Leachate Storage Containment Sump		
		Pump-1	Pump-2	Pump-1	Pump-2	Pump-1	Pump-2	Pump-1	Pump-2	Pump-1	Pump-2	Pump-1	Pump-2	Pump-1	Pump-2	
2-Jul	142846	705.1	0.1	249.3	7.5	265.0	0.1	6685.1	2776.5	4477.3	5631.3	14443.1	3960.1	324.0	1167.7	Lift Station No. 2, Pump Station D-8 and Pump Station D-10 have been removed from service for testing of leachate field. The discharge from Lift Station No. 1 has been diverted to the storm drain.
5-Jul	142936	716.7	0.1	249.3	7.5	265.0	0.1	6686.7	2776.5	4477.5	5631.3	14443.1	3960.1	324.0	1167.7	
9-Jul	143046	732.0	0.1	249.3	7.5	265.0	0.1	6688.7	2776.5	4477.5	5631.3	14443.1	3960.1	324.0	1167.7	
12-Jul	143125	742.4	0.1	249.3	7.5	265.0	0.1	6690.2	2776.5	4477.5	5631.3	14443.1	3960.1	324.0	1167.7	
16-Jul	143214	754.9	0.1	249.3	7.5	265.0	0.1	6691.8	2776.5	4477.8	5631.3	14443.1	3960.1	324.0	1167.7	
19-Jul	143335	762.7	0.1	249.3	7.5	265.0	0.1	6694.1	2776.5	4481.5	5631.3	14443.1	3960.1	324.0	1167.7	
23-Jul	143463	779.9	0.1	249.3	7.5	265.0	0.1	6696.5	2776.7	4482.8	5631.3	14443.1	3960.1	324.0	1167.7	
26-Jul	143611	786.2	0.1	249.3	7.5	265.0	0.1	6699.2	2776.8	4485.0	5631.3	14443.1	3960.1	324.0	1167.7	
30-Jul	143784	790.7	0.1	249.3	7.5	265.0	0.1	6702.3	2776.8	4486.7	5631.3	14443.1	3960.1	324.0	1167.7	

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 7/2/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	(YES)	NO	(YES)	NO	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO
D. Liquid Level in Sump	HIGH	(LOW)	OVERFLOW				HIGH	(LOW)	OVERFLOW	HIGH	(LOW)	OVERFLOW						
E. Leak in Manifold Piping	YES	(NO)					YES	(NO)		YES	(NO)							
F. Elapsed Time Meter	06685.1		02776.5		0249.3		075		0265.0		0.1							

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain YES (NO)

3. D-1 Force Main Totalizer 142846 **x 100 =** _____ **D-1 Force Main Pressure** _____

4. Decon. Pumps (ETM) **P-1** 0705.1 **P-2** 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER	
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	(No Leak)	Leak	
C. Alarm indicator Lights	YES	(NO)						

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0477.3	NO	NO	NO
P-2	05631.5	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(LOW)	HIGH	OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)	
C. Are the alarms or indicator lights on?	YES	(NO)				
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	14443.1	NO	NO	NO
P-2	03960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are sump pumps running	YES	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	(NO)
C. Alarm indicator Lights	YES	NO	F. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0324.0	NO	NO	NO
P-2	011677	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	(YES)	NO
Lift Station No. 1	(YES)	NO
Decontamination Sump	(YES)	NO
Storage Containment Sump	(YES)	NO
Site Lighting	(YES)	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 7/5/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	ON	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND (OFF) AUTO		HAND (OFF) AUTO		HAND (OFF) AUTO		HAND (OFF) AUTO		HAND (OFF) AUTO		HAND (OFF) AUTO	
D. Liquid Level in Sump	HIGH	(LOW)	OVERFLOW		HIGH	(LOW)	OVERFLOW		HIGH	(LOW)	OVERFLOW	
E. Leak in Manifold Piping	YES	(NO)			YES	(NO)			YES	(NO)		
F. Elapsed Time Meter	06686.7		02776.5		0249.3		07.5		0265.0		0.1	

2. Down-gradient and Curtain Drain — A. Is there settlement along alignment of down-gradient curtain drain: YES (NO)

3. D-1 Force Main Totalizer 142936 x 100 = _____ **D-1 Force Main Pressure** _____

4. Decon. Pumps (ETM) P-1 0716.7 P-2 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	(No Leak)	Leak
C. Alarm indicator Lights	YES	(NO)					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04477.5	NO	NO	NO
P-2	05631.3	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(LOW)	HIGH OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)
C. Are the alarms or indicator lights on?	YES	(NO)			
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	14443.1	NO	NO	NO
P-2	03960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	(NORMAL)	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are sump pumps running	(YES)	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	(NO)
C. Alarm indicator Lights	YES	(NO)	F. Check if a pump is out of service	Pump 1		Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0329.0	NO	NO	NO
P-2	01167.7	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	(YES)	NO
Lift Station No. 1	(YES)	NO
Decontamination Sump	(YES)	NO
Storage Containment Sump	(YES)	NO
Site Lighting	(YES)	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 7/9/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF
B. Running Light On	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
C. Selector Switch Position	HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO	
D. Liquid Level in Sump	HIGH	LOW	OVERFLOW		HIGH	LOW	OVERFLOW		HIGH	LOW	OVERFLOW	
E. Leak in Manifold Piping	YES	NO			YES	NO			YES	NO		
F. Elapsed Time Meter	06658.7		02765		0249.5		07.5		0265.0		0.1	

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain YES NO

3. D-1 Force Main Totalizer 143046 **x 100 =** _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) **P-1** 0732.0 **P-2** 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	LOW	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH	OTHER
B. Are Sump Pumps Running	YES	NO		E. Check for leak in manifold leachate piping	Checked	No Leak	Leak
C. Alarm indicator Lights	YES	NO					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04177.5	NO	NO	NO
P-2	05631.3	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	NO	E. Check liquid level around stop planks. Is the level,	LOW	HIGH	OTHER
B. Are sump pumps running?	YES	NO	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	NO	
C. Are the alarms or indicator lights on?	YES	NO				
D. Any leaks in the manifold discharge piping	YES	NO	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	14445.1	NO	NO	NO
P-2	03963.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH	OTHER
B. Are sump pumps running	YES	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	NO
C. Alarm indicator Lights	YES	NO	F. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0324.0	NO	NO	NO
P-2	01167.7	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	NO	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	NO	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	NO
B. Settlement along alignment of force main to Burr Avenue manhole	YES	NO

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	YES	NO
Lift Station No. 1	YES	NO
Decontamination Sump	YES	NO
Storage Containment Sump	YES	NO
Site Lighting	YES	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 7/12/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1						D-8						D-10					
	Pump 1			Pump 2			Pump 1			Pump 2			Pump 1			Pump 2		
A. Circuit Breakers	ON		OFF	ON		OFF	ON		OFF	ON		OFF	ON		OFF	ON		OFF
B. Running Light On	YES		NO	YES		NO	YES		NO	YES		NO	YES		NO	YES		NO
C. Selector Switch Position	HAND	OFF	AUTO	HAND	OFF	AUTO	HAND	OFF	AUTO	HAND	OFF	AUTO	HAND	OFF	AUTO	HAND	OFF	AUTO
D. Liquid Level in Sump	HIGH		LOW	OVERFLOW			HIGH		LOW	OVERFLOW			HIGH		LOW	OVERFLOW		
E. Leak in Manifold Piping	YES			NO			YES			NO			YES			NO		
F. Elapsed Time Meter	6690.2			027765			0249.3			0.1			0265.0			0.1		

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain YES NO

3. D-1 Force Main Totalizer 143125 x 100 = _____ **D-1 Force Main Pressure** _____

4. Decon. Pumps (ETM) **P-1** 0742.4 **P-2** 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	LOW	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH	OTHER	
B. Are Sump Pumps Running	YES	NO		E. Check for leak in manifold leachate piping	Checked	No Leak	Leak	
C. Alarm indicator Lights	YES	NO						

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04477.5	NO	NO	NO
P-2	03651.5	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	NO	E. Check liquid level around stop planks. Is the level,	LOW	HIGH	OTHER
B. Are sump pumps running?	YES	NO	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	NO	
C. Are the alarms or indicator lights on?	YES	NO				
D. Any leaks in the manifold discharge piping	YES	NO	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	14443.1	NO	NO	NO
P-2	05960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH	OTHER
B. Are sump pumps running	YES	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	NO
C. Alarm indicator Lights	YES	NO	F. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0324.0	NO	NO	NO
P-2	01167.7	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	NO	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	NO	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	NO
B. Settlement along alignment of force main to Burr Avenue manhole	YES	NO

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	YES	NO
Lift Station No. 1	YES	NO
Decontamination Sump	YES	NO
Storage Containment Sump	YES	NO
Site Lighting	YES	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 7/16/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF
B. Running Light On	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
C. Selector Switch Position	HAND	OFF	AUTO	HAND	OFF	AUTO	HAND	OFF	AUTO	HAND	OFF	AUTO	HAND	OFF	AUTO	HAND	OFF	AUTO
D. Liquid Level in Sump	HIGH		LOW	OVERFLOW			HIGH		LOW	OVERFLOW			HIGH		LOW	OVERFLOW		
E. Leak in Manifold Piping	YES		NO				YES		NO				YES		NO			
F. Elapsed Time Meter	06691.8		02176.5		0249.3		075		0265.0		0.1							

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain YES NO

3. D-1 Force Main Totalizer 143214 x 100 = _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) **P-1** 0754.9 **P-2** 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	LOW	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH	OTHER
B. Are Sump Pumps Running	YES	NO		E. Check for leak in manifold leachate piping	Checked	No Leak	Leak
C. Alarm indicator Lights	YES	NO					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0247.9	NO	NO	NO
P-2	05651.3	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	NO	E. Check liquid level around stop planks. Is the level,	LOW	HIGH	OTHER
B. Are sump pumps running?	YES	NO	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	NO	
C. Are the alarms or indicator lights on?	YES	NO				
D. Any leaks in the manifold discharge piping	YES	NO	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	14443.1	NO	NO	NO
P-2	05960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH	OTHER
B. Are sump pumps running	YES	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	NO
C. Alarm indicator Lights	YES	NO	F. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0324.6	NO	NO	NO
P-2	01167.7	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	NO	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	NO	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	NO
B. Settlement along alignment of force main to Burr Avenue manhole	YES	NO

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	YES	NO
Lift Station No. 1	YES	NO
Decontamination Sump	YES	NO
Storage Containment Sump	YES	NO
Site Lighting	YES	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 7/19/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	(YES)	NO	(YES)	NO	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO
D. Liquid Level in Sump	HIGH		(LOW)	OVERFLOW			HIGH		(LOW)	OVERFLOW			HIGH		(LOW)	OVERFLOW		
E. Leak in Manifold Piping	YES			(NO)			YES			(NO)			YES			(NO)		
F. Elapsed Time Meter	06694.1			02776.7			02495			075			0265.0			0.1		

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain YES (NO)

3. D-1 Force Main Totalizer 143335 x 100 = _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) P-1 0762.7 P-2 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	(No Leak)	Leak
C. Alarm indicator Lights	YES	(NO)					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04481.5	NO	NO	NO
P-2	03651.5	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(LOW)	HIGH	OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)	
C. Are the alarms or indicator lights on?	YES	(NO)				
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	(4443.1)	NO	NO	NO
P-2	03960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	(NORMAL)	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are sump pumps running	(YES)	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	(NO)
C. Alarm indicator Lights	YES	(NO)	F. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0324.6	NO	NO	NO
P-2	01161.7	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	(YES)	NO
Lift Station No. 1	(YES)	NO
Decontamination Sump	(YES)	NO
Storage Containment Sump	(YES)	NO
Site Lighting	(YES)	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 7/23/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF
B. Running Light On	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
C. Selector Switch Position	HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO	
D. Liquid Level in Sump	HIGH	LOW	OVERFLOW		HIGH	LOW	OVERFLOW		HIGH	LOW	OVERFLOW	
E. Leak in Manifold Piping	YES	NO			YES	NO			YES	NO		
F. Elapsed Time Meter	06696.5		02776.7		0249.3		0.5		0265.0		0.1	

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain? YES NO

3. D-1 Force Main Totalizer 143463 x 100 = _____ **D-1 Force Main Pressure** _____

4. Decon. Pumps (ETM) P-1 07799 P-2 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	LOW	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH	OTHER
B. Are Sump Pumps Running	YES	NO		E. Check for leak in manifold leachate piping	Checked	No Leak	Leak
C. Alarm indicator Lights	YES	NO					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04452.8	NO	NO	NO
P-2	05651.3	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	NO	E. Check liquid level around stop planks. Is the level,	LOW	HIGH	OTHER
B. Are sump pumps running?	YES	NO	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	NO	
C. Are the alarms or indicator lights on?	YES	NO				
D. Any leaks in the manifold discharge piping	YES	NO	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	14443.1	NO	NO	NO
P-2	03960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH	OTHER
B. Are sump pumps running	YES	NO	E. Is there any leak in the storage tanks and manifold discharge piping			YES NO
C. Alarm indicator Lights	YES	NO	F. Check if a pump is out of service		Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	03240	NO	NO	NO
P-2	01176.7	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	NO	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	NO	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	NO
B. Settlement along alignment of force main to Burr Avenue manhole	YES	NO

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	YES	NO
Lift Station No. 1	YES	NO
Decontamination Sump	YES	NO
Storage Containment Sump	YES	NO
Site Lighting	YES	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 7/26/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	~~YES~~	NO	~~YES~~	NO	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND OFF (AUTO)		HAND OFF (AUTO)		HAND (OFF) AUTO		HAND (OFF) AUTO		HAND (OFF) AUTO		HAND (OFF) AUTO	
D. Liquid Level in Sump	HIGH	(LOW)	OVERFLOW		HIGH	(LOW)	OVERFLOW		HIGH	(LOW)	OVERFLOW	
E. Leak in Manifold Piping	YES	(NO)			YES	(NO)			YES	(NO)		
F. Elapsed Time Meter	06699.2		02776.8		02493		075		0265.0		0.1	

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain YES (NO)

3. D-1 Force Main Totalizer 43611 x 100 = _____ **D-1 Force Main Pressure** _____

4. Decon. Pumps (ETM) **P-1** 0786.2 **P-2** 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	LOW	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are Sump Pumps Running	YES	NO		E. Check for leak in manifold leachate piping	Checked	(No Leak)	Leak
C. Alarm indicator Lights	YES	NO					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04485.0	NO	NO	NO
P-2	05651.3	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(LOW)	HIGH	OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)	
C. Are the alarms or indicator lights on?	YES	(NO)				
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	01443.1	NO	NO	NO
P-2	05960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	(NORMAL)	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are sump pumps running	YES	(NO)	E. Is there any leak in the storage tanks and manifold discharge piping		YES	(NO)
C. Alarm indicator Lights	YES	(NO)	F. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0324.0	NO	NO	NO
P-2	01167.7	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	(YES)	NO
Lift Station No. 1	~~YES~~	NO
Decontamination Sump	~~YES~~	NO
Storage Containment Sump	~~YES~~	NO
Site Lighting	~~YES~~	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 7/30/18 **INSPECTED BY:** AM

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	(YES)	NO	(YES)	NO	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO
D. Liquid Level in Sump	HIGH	(LOW)	OVERFLOW				HIGH	(LOW)	OVERFLOW				HIGH	(LOW)	OVERFLOW			
E. Leak in Manifold Piping	YES	(NO)					YES	(NO)					YES	(NO)				
F. Elapsed Time Meter	06702.3		02776.8		0249.3		07.5		0265.0		0.1	

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain YES (NO)

3. D-1 Force Main Totalizer 143784 **x 100 =** _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) **P-1** 0790.7 **P-2** 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	(NO Leak)	Leak
C. Alarm indicator Lights	YES	(NO)					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	02486.7	NO	NO	NO
P-2	05631.3	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(LOW)	HIGH	OTHER
B. Are sump pumps running?	(YES)	NO	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)	
C. Are the alarms or indicator lights on?	YES	(NO)				
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1		Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	01443.1	NO	NO	NO
P-2	05960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are sump pumps running	YES	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	NO
C. Alarm indicator Lights	YES	NO	F. Check if a pump is out of service	Pump 1		Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	3040.0	NO	NO	NO
P-2	01167.7	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	(YES)	NO
Lift Station No. 1	(YES)	NO
Decontamination Sump	(YES)	NO
Storage Containment Sump	(YES)	NO
Site Lighting	(YES)	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-2
MONTHLY INSPECTION CHECKLIST
MANHOLE AND SUMPS
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

July-2018

Item No.	Inspection Item	Manhole and Sump Number									
		D-1	D-2	D-3	D-4	D-5	D-6	D-7	D-8	D-9	D-10
1	Manhole Cover	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
2	Silt Accumulation	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
3	Settlement	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
4	Pipe Connections	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
5	Settlement Along Curtain Drain	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
6	Flow into manhole or sump	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK

**NA= no access due to persistent snow and ice cover

Item No.	Inspection Item	Manhole and Sump Number									
		LS-1	LS-2	DS-1	DS-2*	TS-1	U-1	U-2	U-3	U-4	U-5	U-6
1	Manhole Cover	OK	OK	OK	-	OK		OK	OK	OK		-
2	Silt Accumulation	OK	OK	OK	-	OK		OK	OK	OK		-
3	Settlement	OK	OK	OK	-	OK		OK	OK	OK		-
4	Pipe Connections	OK	OK	OK	-	OK		OK	OK	OK		-
5	Settlement Along Curtain Drain	OK	OK	OK	-	OK		OK	OK	OK		-
6	Flow into manhole or sump	OK	OK	OK	-	OK		OK	OK	OK		

Notes:
1. Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.
2. Use "NS" (Not Satisfactory) where problems are noted.
3. For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary
4. *DS-2 was provided for the Decon Trailer which is no longer on the site. DS-2 is no longer in use.

DATE: **7/6/18**

Tech: AMD

Signature: 

FORM GWL-3
QUARTERLY INSPECTION CHECKLIST
MONITORING WELL
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDILL
(REFERENCE VOLUME III SECTION 4)

DATE: 7/9/18 INITIALS: AMD

Check For	Sampling Well Designation									
	MW 104	MW 106	MW 109	MW 110	MW 113	MW 114	MW 115	MW 115B	MW 118	MW 119
1. Damage/Vandalism	NS	OK	OK	OK	OK	OK	OK	OK	OK	NS
2. Settlement	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
3. Accessibility	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK

Check For	Sampling Well Designation								
	MW 120	MW 120B	MW 121	MW 122	MW 126	MW 117	MW 117B	MW 124	MW 124B
1. Damage/Vandalism	OK	OK	OK	OK	OK	NA	NA	OK	OK
2. Settlement	OK	OK	OK	OK	OK	NA	NA	OK	OK
3. Accessibility	OK	OK	OK	OK	OK	NA	NA	OK	OK

Check For	PZ-A	PZ-B	PZ-C	PZ-D	PZ-F
1. Damage/Vandalism	OK	OK	OK	OK	OK
2. Settlement	OK	OK	OK	OK	OK
3. Accessibility	OK	OK	OK	OK	OK

Notes: Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.

1. Use "NS" (Not Satisfactory) where problems are noted.
2. For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary
3. MW 117 and 117B have no access.

PELHAM BAY LANDFILL
GROUNDWATER LEACHATE BI-WEEKLY INSPECTION SUMMARY REPORT (GWL-1)
Month: August 2018

DATE	P.S. -D1 to WWTP Totalizer Reading (100 gals)	Downgradient Collection Sumps														Remarks and Deficiencies
		ELAPSED TIME METER READINGS (Minutes)						ELAPSED TIME METER READINGS (Hours)								
		Decon Pumps		D-8		D-10		D-1		Lift Sta. No. 1		Lift Sta. No. 2		Leachate Storage Containment Sump		
		Pump-1	Pump-2	Pump-1	Pump-2	Pump-1	Pump-2	Pump-1	Pump-2	Pump-1	Pump-2	Pump-1	Pump-2	Pump-1	Pump-2	
2-Aug	143875	793.6	0.1	249.3	7.5	265.0	0.1	6703.8	2776.8	4487.1	5631.3	14443.1	3960.1	324.0	1167.7	Lift Station No. 2, Pump Station D-8 and Pump Station D-10 have been removed from service for testing of leachate field. The discharge from Lift Station No. 1 has been diverted to the storm drain.
6-Aug	144027	806.0	0.1	249.3	7.5	265.0	0.1	6706.4	2776.8	4489.3	5631.3	14443.1	3960.1	324.0	1167.7	
9-Aug	144161	813.6	0.1	249.3	7.5	265.0	0.1	6708.6	2776.8	4490.4	5631.3	14443.1	3960.1	324.0	1167.7	
13-Aug	144431	826.2	0.1	249.3	7.5	265.0	0.1	6713.1	2777.2	4496.1	5631.3	14443.1	3960.1	324.0	1167.7	
16-Aug	144711	837.4	0.1	249.3	7.5	265.0	0.1	6717.2	2777.3	4501.1	5631.3	14443.1	3960.1	324.0	1167.7	
20-Aug	145151	851.6	0.1	249.3	7.5	265.0	0.1	6721.5	2777.6	4506.1	5631.3	14443.1	3960.1	324.0	1167.7	
23-Aug	145499	856.2	0.1	249.3	7.5	265.0	0.1	6724.3	2777.6	4508.1	5631.3	14443.1	3960.1	324.0	1167.7	
27-Aug	145925	859.5	0.1	249.3	7.5	265.0	0.1	6727.1	2777.6	4509.3	5631.3	14443.1	3960.1	324.0	1167.7	
30-Aug	146252	859.5	0.1	249.3	7.5	265.0	0.1	6728.9	2777.6	4509.8	5631.3	14443.1	3960.1	324.0	1167.7	

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 8/2/18 **INSPECTED BY:** AMO

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	(YES)	NO	(YES)	NO	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND	OFF	(AUTO)	HAND	OFF	(AUTO)	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO
D. Liquid Level in Sump	HIGH		(LOW)		OVERFLOW		HIGH		(LOW)		OVERFLOW		HIGH		(LOW)		OVERFLOW	
E. Leak in Manifold Piping	YES		(NO)		YES		NO		YES		NO	
F. Elapsed Time Meter	06703.8		02776.8		02493		07.5		0265.0		0.1	

2. Down-gradient and Curtain Drain — A. Is there settlement along alignment of down-gradient curtain drain: YES (NO)

3. D-1 Force Main Totalizer 143875 x 100 = _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) P-1 0793.6 P-2 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	(No Leak)	Leak
C. Alarm indicator Lights	YES	(NO)					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04487.1	NO	NO	NO
P-2	05651.3	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(Low)	HIGH	OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)	
C. Are the alarms or indicator lights on?	YES	(NO)				
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	014443.1	NO	NO	(NO)
P-2	05960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	(NORMAL)	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are sump pumps running	(YES)	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	(NO)
C. Alarm indicator Lights	YES	(NO)	F. Check if a pump is out of service		Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	03240	NO	NO	NO
P-2	01167.7	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	off
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	(YES)	NO
Lift Station No. 1	(YES)	NO
Decontamination Sump	(YES)	NO
Storage Containment Sump	(YES)	NO
Site Lighting	(YES)	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 8/6/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	(YES)	NO	(YES)	NO	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND	OFF	(AUTO)	HAND	OFF	(AUTO)	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO
D. Liquid Level in Sump	HIGH		(LOW)		OVERFLOW		HIGH		(LOW)		OVERFLOW		HIGH		(LOW)		OVERFLOW	
E. Leak in Manifold Piping	YES			(NO)			YES			(NO)			YES			(NO)		
F. Elapsed Time Meter	06706.4		02776.8		249.3		07.5		0265.0		0.1	

2. Down-gradient and Curtain Drain — A. Is there settlement along alignment of down-gradient curtain drain: YES (NO)

3. D-1 Force Main Totalizer 144027 x 100 = _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) P-1: 806.0 P-2: 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER	
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	(No Leak)	Leak	
C. Alarm indicator Lights	YES	(NO)						

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04489.3	NO	NO	NO
P-2	05651.3	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(LOW)	HIGH	OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)	
C. Are the alarms or indicator lights on?	YES	(NO)				
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	14443.1	NO	NO	NO
P-2	03960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	(NORMAL)	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are sump pumps running	YES	(NO)	E. Is there any leak in the storage tanks and manifold discharge piping		YES	(NO)
C. Alarm indicator Lights	YES	(NO)	F. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0324.0	NO	NO	NO
P-2	01167.1	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	(YES)	NO
Lift Station No. 1	(YES)	NO
Decontamination Sump	(YES)	NO
Storage Containment Sump	(YES)	NO
Site Lighting	(YES)	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 8/9/19 **INSPECTED BY:** AMP

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	(YES)	NO	(YES)	NO	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND	OFF	(AUTO)	HAND	OFF	(AUTO)	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO
D. Liquid Level in Sump	HIGH		(LOW)	OVERFLOW			HIGH		(LOW)	OVERFLOW			HIGH		(LOW)	OVERFLOW		
E. Leak in Manifold Piping	YES		(NO)				YES		NO				YES			(NO)		
F. Elapsed Time Meter	06708.6		02776.8		0249.3		07.5		0265.0		0.1							

2. Down-gradient and Curtain Drain — A. Is there settlement along alignment of down-gradient curtain drain: YES / (NO)

3. D-1 Force Main Totalizer 14416.1 x 100 = _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) P-1: 813.6 P-2: 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	(No Leak)	Leak
C. Alarm indicator Lights	YES	(NO)					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04190.4	NO	NO	NO
P-2	05631.3	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(LOW)	HIGH	OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)	
C. Are the alarms or indicator lights on?	YES	(NO)				
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	14445.1	NO	NO	NO
P-2	03960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	(NORMAL)	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are sump pumps running	(YES)	(NO)	E. Is there any leak in the storage tanks and manifold discharge piping		YES	(NO)
C. Alarm indicator Lights	YES	(NO)	F. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0524.0	NO	NO	NO
P-2	0116.7	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	(YES)	NO
Lift Station No. 1	(YES)	NO
Decontamination Sump	(YES)	NO
Storage Containment Sump	(YES)	NO
Site Lighting	(YES)	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 8/13/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	~~ON~~	OFF	~~ON~~	OFF	~~ON~~	OFF	~~ON~~	OFF	~~ON~~	OFF	~~ON~~	OFF
B. Running Light On	~~YES~~	NO	~~YES~~	NO	YES	~~NO~~	YES	~~NO~~	YES	~~NO~~	YES	~~NO~~
C. Selector Switch Position	HAND	OFF	~~AUTO~~	HAND	OFF	~~AUTO~~	HAND	~~OFF~~	AUTO	HAND	~~OFF~~	AUTO	HAND	~~OFF~~	AUTO	HAND	~~OFF~~	AUTO
D. Liquid Level in Sump	HIGH	~~LOW~~	OVERFLOW	HIGH	~~LOW~~	OVERFLOW	HIGH	~~LOW~~	OVERFLOW			
E. Leak in Manifold Piping	YES	~~NO~~		YES	~~NO~~		YES	~~NO~~				
F. Elapsed Time Meter	06713.1		02777.2		02493		07.5		0265.0		0.1	

2. Down-gradient and Curtain Drain — A. Is there settlement along alignment of down-gradient curtain drain: YES / ~~NO~~

3. D-1 Force Main Totalizer 144431 x 100 = _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) P-1: 0826.2 P-2: 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	~~LOW~~	NORMAL	HIGH	D. Check liquid level in sump	~~LOW~~	HIGH	OTHER
B. Are Sump Pumps Running	~~YES~~	NO		E. Check for leak in manifold leachate piping	Checked	~~No Leak~~	Leak
C. Alarm indicator Lights	YES	~~NO~~					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04496.1	NO	NO	NO
P-2	05631.5	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	~~NO~~	E. Check liquid level around stop planks. Is the level,	~~LOW~~	HIGH	OTHER
B. Are sump pumps running?	YES	~~NO~~	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	~~NO~~	
C. Are the alarms or indicator lights on?	YES	~~NO~~				
D. Any leaks in the manifold discharge piping	YES	~~NO~~	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	14443.1	NO	NO	NO
P-2	03960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	NORMAL	HIGH	D. Check liquid level in sump	~~LOW~~	HIGH	OTHER
B. Are sump pumps running	YES	NO	E. Is there any leak in the storage tanks and manifold discharge piping			YES / ~~NO~~
C. Alarm indicator Lights	YES	NO	F. Check if a pump is out of service		Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0324.0	NO	NO	NO
P-2	01167.7	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	~~NO~~	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	~~NO~~	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	~~NO~~
B. Settlement along alignment of force main to Burr Avenue manhole	YES	~~NO~~

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	~~YES~~	NO
Lift Station No. 1	~~YES~~	NO
Decontamination Sump	~~YES~~	NO
Storage Containment Sump	~~YES~~	NO
Site Lighting	~~YES~~	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 8/16/18 **INSPECTED BY:** AMD / MCG

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	(YES)	NO	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND	OFF	(AUTO)	HAND	OFF	(AUTO)	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO
D. Liquid Level in Sump	HIGH		(LOW)	OVERFLOW			HIGH		(LOW)	OVERFLOW			HIGH		(LOW)	OVERFLOW		
E. Leak in Manifold Piping	YES		(NO)		YES		(NO)		YES		NO							
F. Elapsed Time Meter	6717.2		2777.3		249.3		7.5		265.0		0.1							

2. Down-gradient and Curtain Drain — A. Is there settlement along alignment of down-gradient curtain drain: YES / (NO)

3. D-1 Force Main Totalizer 144711 x 100 = _____ **D-1 Force Main Pressure** _____

4. Decon. Pumps (ETM) P-1: 837.35 (RUNNING) P-2: 0.05

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	(No Leak)	Leak
C. Alarm indicator Lights	YES	(NO)					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	4501.1	NO	NO	NO
P-2	5631.3	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(LOW)	HIGH / OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)
C. Are the alarms or indicator lights on? *	(YES)	NO			
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	*14443.1	NO	NO	* P1 FAULT
P-2	3960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH	OTHER
B. Are sump pumps running	YES	NO	E. Is there any leak in the storage tanks and manifold discharge piping			YES / NO
C. Alarm indicator Lights	YES	NO	F. Check if a pump is out of service		Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	324.0	NO	NO	NO
P-2	1167.7	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:			
Lift Station No. 1	(YES)	NO	P10 - TEMP LIGHTS ON
Lift Station No. 1	(YES)	NO	
Decontamination Sump	(YES)	NO	
Storage Containment Sump	(YES)	NO	
Site Lighting	(YES)	NO	

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

* P1 FAULT LIGHT ON → MAIN BREAKER OFF → RESET BREAKER AND FAULT WAS CLEARED

REPAIRED D1 FLOW CHART RECORDER

D1 METER TOT. 29103.85 KGAL → 0.0 gpm with pumps off

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 8/20/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF
B. Running Light On	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
C. Selector Switch Position	HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO	
D. Liquid Level in Sump	HIGH	LOW	OVERFLOW		HIGH	LOW	OVERFLOW		HIGH	LOW	OVERFLOW	
E. Leak in Manifold Piping	YES	NO			YES	NO			YES	NO		
F. Elapsed Time Meter	06721.5		02777.6		0249.3		01.5		0265.0		0.1	

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain: YES / NO

3. D-1 Force Main Totalizer 14554 x 100 = _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) **P-1** 0951.6 **P-2** 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	LOW	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH	OTHER
B. Are Sump Pumps Running	YES	NO		E. Check for leak in manifold leachate piping	Checked	No Leak	Leak
C. Alarm indicator Lights	YES	NO					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04506.1	NO	NO	NO
P-2	05631.3	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	NO	E. Check liquid level around stop planks. Is the level,	LOW	HIGH	OTHER
B. Are sump pumps running?	YES	NO	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	NO
C. Are the alarms or indicator lights on?	YES	NO			
D. Any leaks in the manifold discharge piping	YES	NO	G. Check if a pump is out of service	Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	14445.1	NO	NO	NO
P-2	05960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH	OTHER
B. Are sump pumps running	YES	NO	E. Is there any leak in the storage tanks and manifold discharge piping	YES	NO
C. Alarm indicator Lights	YES	NO	F. Check if a pump is out of service	Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0324.0	NO	NO	NO
P-2	01167.7	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	NO	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	NO	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	NO
B. Settlement along alignment of force main to Burr Avenue manhole	YES	NO

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	YES	NO
Lift Station No. 1	YES	NO
Decontamination Sump	YES	NO
Storage Containment Sump	YES	NO
Site Lighting	YES	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 8/23/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	~~ON~~	OFF	~~ON~~	OFF	~~ON~~	OFF	~~ON~~	OFF	~~ON~~	OFF	~~ON~~	OFF
B. Running Light On	~~YES~~	NO	~~YES~~	NO	YES	~~NO~~	YES	~~NO~~	YES	~~NO~~	YES	~~NO~~
C. Selector Switch Position	HAND	OFF	~~AUTO~~	HAND	OFF	~~AUTO~~	HAND	~~OFF~~	AUTO	HAND	~~OFF~~	AUTO	HAND	~~OFF~~	AUTO	HAND	~~OFF~~	AUTO
D. Liquid Level in Sump	HIGH		~~LOW~~	OVERFLOW			HIGH		~~LOW~~	OVERFLOW			HIGH		~~LOW~~	OVERFLOW		
E. Leak in Manifold Piping	YES		~~NO~~		YES		~~NO~~		YES		~~NO~~	
F. Elapsed Time Meter	06724.3		02777.6		0249.3		07.5		0265.0		0.1	

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain: YES ~~NO~~

3. D-1 Force Main Totalizer 145494 x 100 = _____ **D-1 Force Main Pressure** _____

4. Decon. Pumps (ETM) P-1: 0856.2 P-2: 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	~~LOW~~	NORMAL	HIGH	D. Check liquid level in sump	~~LOW~~	HIGH	OTHER
B. Are Sump Pumps Running	~~YES~~	NO		E. Check for leak in manifold leachate piping	Checked	~~No Leak~~	Leak
C. Alarm indicator Lights	YES	~~NO~~					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	045059.1	~~NO~~	~~NO~~	~~NO~~
P-2	05631.3	~~NO~~	~~NO~~	~~NO~~

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	~~NO~~	E. Check liquid level around stop planks. Is the level,	~~LOW~~	HIGH	OTHER
B. Are sump pumps running?	YES	~~NO~~	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	~~NO~~	
C. Are the alarms or indicator lights on?	YES	~~NO~~				
D. Any leaks in the manifold discharge piping	YES	~~NO~~	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	14443.1	~~NO~~	~~NO~~	~~NO~~
P-2	03960.1	~~NO~~	~~NO~~	~~NO~~

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	NORMAL	HIGH	D. Check liquid level in sump	~~LOW~~	HIGH	OTHER	
B. Are sump pumps running	YES	NO	E. Is there any leak in the storage tanks and manifold discharge piping			~~YES~~	NO
C. Alarm indicator Lights	YES	NO	F. Check if a pump is out of service		Pump 1		Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0324.6	~~NO~~	~~NO~~	~~NO~~
P-2	01167.7	~~NO~~	~~NO~~	~~NO~~

8. Carbon Adsorption System

A. Air Compressors ON	YES	~~NO~~	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	~~NO~~	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	~~NO~~
B. Settlement along alignment of force main to Burr Avenue manhole	YES	~~NO~~

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	~~YES~~	NO
Lift Station No. 1	~~YES~~	NO
Decontamination Sump	~~YES~~	NO
Storage Containment Sump	~~YES~~	NO
Site Lighting	~~YES~~	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 8/27/18 **INSPECTED BY:** AMP

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF
B. Running Light On	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
C. Selector Switch Position	HAND	OFF	AUTO	HAND	OFF	AUTO	HAND	OFF	AUTO	HAND	OFF	AUTO	HAND	OFF	AUTO	HAND	OFF	AUTO
D. Liquid Level in Sump	HIGH		LOW	OVERFLOW			HIGH		LOW	OVERFLOW			HIGH		LOW	OVERFLOW		
E. Leak in Manifold Piping	YES		NO		YES		NO		YES		NO	
F. Elapsed Time Meter	06727.1		02777.6		0249.3		07.5		0265.0		0.1	

2. Down-gradient and Curtain Drain — A. Is there settlement along alignment of down-gradient curtain drain: YES / NO

3. D-1 Force Main Totalizer 145925 x 100 = _____ **D-1 Force Main Pressure** _____

4. Decon. Pumps (ETM) P-1: 0659.5 P-2: 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	LOW	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH	OTHER
B. Are Sump Pumps Running	YES	NO		E. Check for leak in manifold leachate piping	Checked	No Leak	Leak
C. Alarm indicator Lights	YES	NO					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04509.3	NO	NO	NO
P-2	05631.3	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	NO	E. Check liquid level around stop planks. Is the level,	LOW	HIGH	OTHER
B. Are sump pumps running?	YES	NO	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	NO	
C. Are the alarms or indicator lights on?	YES	NO				
D. Any leaks in the manifold discharge piping	YES	NO	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	14443.1	NO	NO	NO
P-2	03960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH	OTHER
B. Are sump pumps running	YES	NO	E. Is there any leak in the storage tanks and manifold discharge piping	YES	NO	
C. Alarm indicator Lights	YES	NO	F. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0324.0	NO	NO	NO
P-2	01161.1	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	NO	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	NO	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	NO
B. Settlement along alignment of force main to Burr Avenue manhole	YES	NO

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	YES	NO
Lift Station No. 1	YES	NO
Decontamination Sump	YES	NO
Storage Containment Sump	YES	NO
Site Lighting	YES	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 8/30/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	(YES)	NO	(YES)	NO	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND OFF (AUTO)		HAND OFF (AUTO)		HAND (OFF) AUTO		HAND (OFF) AUTO		HAND (OFF) AUTO		HAND (OFF) AUTO	
D. Liquid Level in Sump	HIGH	(LOW)	OVERFLOW		HIGH	(LOW)	OVERFLOW		HIGH	(LOW)	OVERFLOW	
E. Leak in Manifold Piping	YES		(NO)		YES		(NO)		YES		(NO)	
F. Elapsed Time Meter	06728.9		02777.6		0249.3		07.5		0265.0		0.1	

2. Down-gradient and Curtain Drain — A. Is there settlement along alignment of down-gradient curtain drain: YES (NO)

3. D-1 Force Main Totalizer 14625.2 x 100 = _____ **D-1 Force Main Pressure** _____

4. Decon. Pumps (ETM) P-1 0855.5 P-2 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	(No Leak)	Leak
C. Alarm indicator Lights	YES	(NO)					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04509.5	NO	NO	NO
P-2	05631.3	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(LOW)	HIGH	OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)	
C. Are the alarms or indicator lights on?	YES	(NO)				
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	14443.1	NO	NO	NO
P-2	03960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER	
B. Are sump pumps running	YES	NO	E. Is there any leak in the storage tanks and manifold discharge piping			YES	NO
C. Alarm indicator Lights	YES	NO	F. Check if a pump is out of service		Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0324.6	NO	NO	NO
P-2	0161.7	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	(YES)	NO
Lift Station No. 1	(YES)	NO
Decontamination Sump	(YES)	NO
Storage Containment Sump	(YES)	NO
Site Lighting	(YES)	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-2
MONTHLY INSPECTION CHECKLIST
MANHOLE AND SUMPS
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

August 2018

Item No.	Inspection Item	Manhole and Sump Number									
		D-1	D-2	D-3	D-4	D-5	D-6	D-7	D-8	D-9	D-10
1	Manhole Cover	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
2	Silt Accumulation	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
3	Settlement	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
4	Pipe Connections	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
5	Settlement Along Curtain Drain	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
6	Flow into manhole or sump	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK

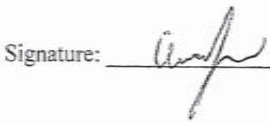
**NA= no access due to persistent snow and ice cover

Item No.	Inspection Item	Manhole and Sump Number									
		LS-1	LS-2	DS-1	DS-2*	TS-1	U-1	U-2	U-3	U-4	U-5	U-6
1	Manhole Cover	OK	OK	OK	-	OK		OK	OK	OK		-
2	Silt Accumulation	OK	OK	OK	-	OK		OK	OK	OK		-
3	Settlement	OK	OK	OK	-	OK		OK	OK	OK		-
4	Pipe Connections	OK	OK	OK	-	OK		OK	OK	OK		-
5	Settlement Along Curtain Drain	OK	OK	OK	-	OK		OK	OK	OK		-
6	Flow into manhole or sump	OK	OK	OK	-	OK		OK	OK	OK		

Notes:
1. Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.
2. Use "NS" (Not Satisfactory) where problems are noted.
3. For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary
4. *DS-2 was provided for the Decon Trailer which is no longer on the site. DS-2 is no longer in use.

DATE: **8/9/18**

Tech: AMD

Signature: 

PELHAM BAY LANDFILL
GROUNDWATER LEACHATE BI-WEEKLY INSPECTION SUMMARY REPORT (GWL-1)
Month: September 2018

DATE	P.S. -D1 to WWTP Totalizer Reading (100 gals)	Downgradient Collection Sumps														Remarks and Deficiencies
		ELAPSED TIME METER READINGS (Minutes)						ELAPSED TIME METER READINGS (Hours)								
		Decon Pumps		D-8		D-10		D-1		Lift Sta. No. 1		Lift Sta. No. 2		Leachate Storage Containment Sump		
		Pump-1	Pump-2	Pump-1	Pump-2	Pump-1	Pump-2	Pump-1	Pump-2	Pump-1	Pump-2	Pump-1	Pump-2	Pump-1	Pump-2	
4-Sep	146773	859.5	0.1	249.3	7.5	265.0	0.1	6731.3	2777.6	4510.2	5631.3	14443.1	3960.1	324.0	1167.7	Lift Station No. 2, Pump Station D-8 and Pump Station D-10 have been removed from service for testing of leachate field. The discharge from Lift Station No. 1 has been diverted to the storm drain.
6-Sep	146989	859.5	0.1	249.3	7.5	265.0	0.1	6732.2	2777.6	4510.3	5631.3	14443.1	3960.1	324.0	1167.7	
10-Sep	147350	862.4	0.1	249.3	7.5	265.0	0.1	6733.7	2777.6	4510.8	5631.3	14443.1	3960.1	324.0	1167.7	
13-Sep	147528	873.0	0.1	249.3	7.5	265.0	0.1	6735.7	2777.6	4513.4	5631.3	14443.1	3960.1	324.0	1167.7	
17-Sep	147631	877.0	0.1	249.3	7.5	265.0	0.1	6737.5	2777.6	4514.1	5631.3	14443.1	3960.1	324.0	1167.7	
20-Sep	147714	884.3	0.1	249.3	7.5	265.0	0.1	6739	2777.6	4515.2	5631.3	14443.1	3960.1	324.0	1167.7	
24-Sep	147812	884.8	0.1	249.3	7.5	265.0	0.1	740.8	2777.6	4515.7	5631.3	14443.1	3960.1	324.0	1167.7	
27-Sep	147937	894.9	0.1	249.3	7.5	265.0	0.1	6743.0	2777.6	4519.2	5631.3	14443.1	3960.1	324.0	1167.7	

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 9/27/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	YES	NO	(YES)	NO	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND	OFF	(AUTO)	HAND	OFF	(AUTO)	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO
D. Liquid Level in Sump	HIGH		(LOW)	OVERFLOW			HIGH		(LOW)	OVERFLOW			HIGH		(LOW)	OVERFLOW		
E. Leak in Manifold Piping	YES		(NO)				YES		(NO)				YES		(NO)			
F. Elapsed Time Meter	06743.0		02777.6		0249.3		07.5		0265.0		0.1							

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain YES (NO)

3. D-1 Force Main Totalizer 147937 x 100 = _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) **P-1** 0894.9 **P-2** 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER	
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	(No Leak)	Leak	
C. Alarm indicator Lights	YES	(NO)						

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04519.2	NO	NO	NO
P-2	05631.3	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(LOW)	HIGH	OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)	
C. Are the alarms or indicator lights on?	YES	(NO)				
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	14443.1	NO	NO	NO
P-2	03960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are sump pumps running	YES	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	(NO)
C. Alarm indicator Lights	YES	NO	F. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	324.0	NO	NO	NO
P-2	01167.7	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	(YES)	NO
Lift Station No. 1	(YES)	NO
Decontamination Sump	(YES)	NO
Storage Containment Sump	(YES)	NO
Site Lighting	(YES)	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 9/24/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	~~ON~~	OFF	~~ON~~	OFF	~~ON~~	OFF	~~ON~~	OFF	~~ON~~	OFF	~~ON~~	OFF
B. Running Light On	~~YES~~	NO	~~YES~~	NO	YES	~~NO~~	YES	~~NO~~	YES	~~NO~~	YES	~~NO~~
C. Selector Switch Position	HAND OFF ~~AUTO~~		HAND OFF ~~AUTO~~		HAND ~~OFF~~ AUTO		HAND ~~OFF~~ AUTO		HAND ~~OFF~~ AUTO		HAND ~~OFF~~ AUTO	
D. Liquid Level in Sump	HIGH	~~LOW~~	OVERFLOW		HIGH	~~LOW~~	OVERFLOW		HIGH	~~LOW~~	OVERFLOW	
E. Leak in Manifold Piping	YES		~~NO~~		YES		~~NO~~		YES		~~NO~~	
F. Elapsed Time Meter	06740.7		02777.6		0249.3		07.5		0265.0		0.1	

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain YES ~~NO~~

3. D-1 Force Main Totalizer 147812 **x 100 =** _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) **P-1** 0884.8 **P-2** 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	~~LOW~~	NORMAL	HIGH	D. Check liquid level in sump	~~LOW~~	HIGH	OTHER
B. Are Sump Pumps Running	~~YES~~	NO		E. Check for leak in manifold leachate piping	Checked	~~No Leak~~	Leak
C. Alarm indicator Lights	YES	~~NO~~					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04515.7	NO	NO	NO
P-2	05631.3	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	~~NO~~	E. Check liquid level around stop planks. Is the level,	~~LOW~~ HIGH	OTHER
B. Are sump pumps running?	YES	~~NO~~	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	~~NO~~
C. Are the alarms or indicator lights on?	YES	~~NO~~			
D. Any leaks in the manifold discharge piping	YES	~~NO~~	G. Check if a pump is out of service	Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	14443.1	NO	NO	NO
P-2	03960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	NORMAL	HIGH	D. Check liquid level in sump	~~LOW~~	HIGH	OTHER
B. Are sump pumps running	YES	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	~~NO~~
C. Alarm indicator Lights	YES	NO	F. Check if a pump is out of service	Pump 1		Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	324.0	NO	NO	NO
P-2	01167.7	NO	NO	NO

8. Carbon Adsorption System

A. *Air Compressors* ON	YES	~~NO~~	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	~~NO~~	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	~~NO~~
B. Settlement along alignment of force main to Burr Avenue manhole	YES	~~NO~~

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	~~YES~~	NO
Lift Station No. 1	~~YES~~	NO
Decontamination Sump	~~YES~~	NO
Storage Containment Sump	~~YES~~	NO
Site Lighting	~~YES~~	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 9/20/18 **INSPECTED BY:** AmD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	(YES)	NO	(YES)	NO	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND	OFF	(AUTO)	HAND	OFF	(AUTO)	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO
D. Liquid Level in Sump	HIGH		(LOW)		OVERFLOW		HIGH		(LOW)		OVERFLOW		HIGH		(LOW)		OVERFLOW	
E. Leak in Manifold Piping	YES			(NO)			YES			(NO)			YES			(NO)		
F. Elapsed Time Meter	06739.0		02777.6		02493		07.5		0265.0		0.1							

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain YES (NO)

3. D-1 Force Main Totalizer 14714 x 100 = _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) P-1 0884.3 P-2 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	(No Leak)	Leak
C. Alarm indicator Lights	YES	(NO)					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04515.2	NO	NO	NO
P-2	05631.3	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(LOW)	HIGH	OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)	
C. Are the alarms or indicator lights on?	YES	(NO)				
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	14443.1	NO	NO	NO
P-2	03960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are sump pumps running	YES	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	(NO)
C. Alarm indicator Lights	YES	NO	F. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0324.0	NO	NO	NO
P-2	01167.1	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	(YES)	NO
Lift Station No. 1	(YES)	NO
Decontamination Sump	(YES)	NO
Storage Containment Sump	(YES)	NO
Site Lighting	(YES)	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 9/17/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF
B. Running Light On	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
C. Selector Switch Position	HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO	
D. Liquid Level in Sump	HIGH	LOW	OVERFLOW		HIGH	LOW	OVERFLOW		HIGH	LOW	OVERFLOW	
E. Leak in Manifold Piping	YES		NO		YES		NO		YES		NO	
F. Elapsed Time Meter	06737.5		02777.6		02449.3		07.5		0265.0		0.1	

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain YES NO

3. D-1 Force Main Totalizer 147631 x 100 = _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) **P-1** 0877.0 **P-2** 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	LOW	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH	OTHER
B. Are Sump Pumps Running	YES	NO		E. Check for leak in manifold leachate piping	Checked	No Leak	Leak
C. Alarm indicator Lights	YES	NO					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04514.1	NO	NO	NO
P-2	05831.3	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	NO	E. Check liquid level around stop planks. Is the level,	LOW HIGH	OTHER
B. Are sump pumps running?	YES	NO	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	NO
C. Are the alarms or indicator lights on?	YES	NO			
D. Any leaks in the manifold discharge piping	YES	NO	G. Check if a pump is out of service	Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	144431	NO	NO	NO
P-2	03960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH	OTHER
B. Are sump pumps running	YES	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	NO
C. Alarm indicator Lights	YES	NO	F. Check if a pump is out of service		Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0324.0	NO	NO	NO
P-2	01167.7	NO	NO	NO

8. Carbon Adsorption System

A. *Air Compressors* ON	YES	NO	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	NO	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	NO
B. Settlement along alignment of force main to Burr Avenue manhole	YES	NO

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	YES	NO
Lift Station No. 1	YES	NO
Decontamination Sump	YES	NO
Storage Containment Sump	YES	NO
Site Lighting	YES	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 9/13/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	(YES)	NO	(YES)	NO	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND OFF (AUTO)		HAND OFF (AUTO)		HAND (OFF) AUTO		HAND (OFF) AUTO		HAND (OFF) AUTO		HAND (OFF) AUTO	
D. Liquid Level in Sump	HIGH	(LOW)	OVERFLOW		HIGH	(LOW)	OVERFLOW		HIGH	(LOW)	OVERFLOW	
E. Leak in Manifold Piping	YES		(NO)		YES		(NO)		YES		(NO)	
F. Elapsed Time Meter	06735.7		02777.6		0249.3		07.5		0265.9		0.1	

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain YES (NO)

3. D-1 Force Main Totalizer 147528 **x 100 =** _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) **P-1** 0873.0 **P-2** 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	(No Leak)	Leak
C. Alarm indicator Lights	YES	(NO)					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04513.4	NO	NO	NO
P-2	05631.3	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(LOW)	HIGH	OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)	
C. Are the alarms or indicator lights on?	YES	(NO)				
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	14414.1	NO	NO	NO
P-2	03960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are sump pumps running	YES	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	(NO)
C. Alarm indicator Lights	YES	NO	F. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0324.0	NO	NO	NO
P-2	01161.7	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	(YES)	NO
Lift Station No. 1	(YES)	NO
Decontamination Sump	(YES)	NO
Storage Containment Sump	(YES)	NO
Site Lighting	(YES)	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 9/10/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	(YES)	NO	(YES)	NO	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND OFF (AUTO)		HAND OFF (AUTO)		HAND (OFF) AUTO		HAND (OFF) AUTO		HAND (OFF) AUTO		HAND (OFF) AUTO	
D. Liquid Level in Sump	HIGH (LOW)		OVERFLOW		HIGH (LOW)		OVERFLOW		HIGH (LOW)		OVERFLOW	
E. Leak in Manifold Piping	YES		(NO)		YES		(NO)		YES		(NO)	
F. Elapsed Time Meter	06733.7		2777.6		0249.3		07.5		0265.0		0.1	

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain YES (NO)

3. D-1 Force Main Totalizer 147350 x 100 = _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) **P-1** 862.4 **P-2** 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	(No Leak)	Leak
C. Alarm indicator Lights	YES	(NO)					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04510.8	NO	NO	NO
P-2	05631.3	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(LOW)	HIGH	OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)	
C. Are the alarms or indicator lights on?	YES	(NO)				
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	01443.1	NO	NO	NO
P-2	03960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	(NORMAL)	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are sump pumps running	YES	(NO)	E. Is there any leak in the storage tanks and manifold discharge piping		YES	(NO)
C. Alarm indicator Lights	YES	(NO)	F. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0324.0	NO	NO	NO
P-2	0116.7	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	(YES)	NO
Lift Station No. 1	(YES)	NO
Decontamination Sump	(YES)	NO
Storage Containment Sump	(YES)	NO
Site Lighting	(YES)	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 9/6/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	(YES)	NO	(YES)	NO	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND OFF (AUTO)		HAND OFF (AUTO)		HAND (OFF) AUTO		HAND (OFF) AUTO		HAND (OFF) AUTO		HAND (OFF) AUTO	
D. Liquid Level in Sump	HIGH	(LOW)	OVERFLOW		HIGH	(LOW)	OVERFLOW		HIGH	(LOW)	OVERFLOW	
E. Leak in Manifold Piping	YES		(NO)		YES		NO		YES		(NO)	
F. Elapsed Time Meter	06732.2		02777.6		0249.3		0.1		0265.0		0.1	

2. Down-gradient and Curtain Drain — A. Is there settlement along alignment of down-gradient curtain drain: YES (NO)

3. D-1 Force Main Totalizer 146989 x 100 = _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) **P-1** 0859.5 **P-2** 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are Sump Pumps Running	YES	NO		E. Check for leak in manifold leachate piping	Checked	(No Leak)	Leak
C. Alarm indicator Lights	YES	(NO)					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04510.3	NO	NO	NO
P-2	05631.3	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(LOW)	HIGH	OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)	
C. Are the alarms or indicator lights on?	YES	(NO)				
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	14443.1	NO	NO	NO
P-2	03962.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	(NORMAL)	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are sump pumps running	YES	(NO)	E. Is there any leak in the storage tanks and manifold discharge piping		YES	(NO)
C. Alarm indicator Lights	YES	(NO)	F. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0324.6	NO	NO	NO
P-2	01167.7	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	(YES)	NO
Lift Station No. 1	(YES)	NO
Decontamination Sump	(YES)	NO
Storage Containment Sump	(YES)	NO
Site Lighting	(YES)	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 9/4/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	~~YES~~	NO	~~YES~~	NO	YES	~~NO~~	YES	~~NO~~	YES	~~NO~~	YES	~~NO~~
C. Selector Switch Position	HAND	OFF	(AUTO)	HAND	OFF	(AUTO)	HAND	~~OFF~~	AUTO	HAND	~~OFF~~	AUTO	HAND	~~OFF~~	AUTO	HAND	~~OFF~~	AUTO
D. Liquid Level in Sump	HIGH		(LOW)		OVERFLOW		HIGH		(LOW)		OVERFLOW		HIGH		(LOW)		OVERFLOW	
E. Leak in Manifold Piping	YES		~~NO~~				YES		~~NO~~				YES		~~NO~~			
F. Elapsed Time Meter	0673.3		0277.6		0249.3		01.5		0265.0		0.1							

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain — YES / (NO)

3. D-1 Force Main Totalizer 146773 x 100 = _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) **P-1** 0859.5 **P-2** 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are Sump Pumps Running	~~YES~~	NO		E. Check for leak in manifold leachate piping	Checked	(NO Leak)	Leak
C. Alarm indicator Lights	YES	~~NO~~					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04510.2	NO	NO	NO
P-2	05651.3	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(LOW)	HIGH	OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)	
C. Are the alarms or indicator lights on?	YES	(NO)				
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	14443.1	NO	NO	NO
P-2	03960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	(NORMAL)	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are sump pumps running	YES	(NO)	E. Is there any leak in the storage tanks and manifold discharge piping		YES	(NO)
C. Alarm indicator Lights	YES	(NO)	F. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	03324.0	NO	NO	NO
P-2	01167.7	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)	0
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)	

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:			
Lift Station No. 1	(YES)	NO	
Lift Station No. 1	(YES)	NO	
Decontamination Sump	(YES)	NO	
Storage Containment Sump	(YES)	NO	
Site Lighting	(YES)	NO	

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-2
MONTHLY INSPECTION CHECKLIST
MANHOLE AND SUMPS
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

Sseptember 2018

Item No.	Inspection Item	Manhole and Sump Number									
		D-1	D-2	D-3	D-4	D-5	D-6	D-7	D-8	D-9	D-10
1	Manhole Cover	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
2	Silt Accumulation	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
3	Settlement	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
4	Pipe Connections	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
5	Settlement Along Curtain Drain	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
6	Flow into manhole or sump	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK

**NA= no access due to persistent snow and ice cover

Item No.	Inspection Item	Manhole and Sump Number									
		LS-1	LS-2	DS-1	DS-2*	TS-1	U-1	U-2	U-3	U-4	U-5	U-6
1	Manhole Cover	OK	OK	OK	-	OK		OK	OK	OK		-
2	Silt Accumulation	OK	OK	OK	-	OK		OK	OK	OK		-
3	Settlement	OK	OK	OK	-	OK		OK	OK	OK		-
4	Pipe Connections	OK	OK	OK	-	OK		OK	OK	OK		-
5	Settlement Along Curtain Drain	OK	OK	OK	-	OK		OK	OK	OK		-
6	Flow into manhole or sump	OK	OK	OK	-	OK		OK	OK	OK		

Notes:
1. Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.
2. Use "NS" (Not Satisfactory) where problems are noted.
3. For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary
4. *DS-2 was provided for the Decon Trailer which is no longer on the site. DS-2 is no longer in use.

DATE: **9/11/18**

Tech: AMD

Signature: _____

PELHAM BAY LANDFILL
GROUNDWATER LEACHATE BI-WEEKLY INSPECTION SUMMARY REPORT (GWL-1)
Month: October 2018

DATE	P.S. -D1 to WWTP Totalizer Reading (100 gals)	Decon Pumps		Downgradient Collection Sumps												Remarks and Deficiencies
		ELAPSED TIME METER READINGS (Minutes)						ELAPSED TIME METER READINGS (Hours)								
		Decon Pumps		D-8		D-10		D-1		Lift Sta. No. 1		Lift Sta. No. 2		Leachate Storage Containment Sump		
		Pump-1	Pump-2	Pump-1	Pump-2	Pump-1	Pump-2	Pump-1	Pump-2	Pump-1	Pump-2	Pump-1	Pump-2	Pump-1	Pump-2	
1-Oct	148152	902.1	0.1	249.3	7.5	265.0	0.1	6746.8	2777.6	4523.8	5631.3	14443.1	3960.1	324.0	1167.7	Lift Station No. 2, Pump Station D-8 and Pump Station D-10 have been removed from service for testing of leachate field. The discharge from Lift Station No. 1 has been diverted to the storm drain.
4-Oct	148276	907.3	0.1	249.3	7.5	265.0	0.1	6749.1	2777.6	4525.8	5631.3	14443.1	3960.1	324.0	1167.7	
8-Oct	148413	926.3	0.1	249.3	7.5	265.0	0.1	6751.6	2777.6	4527.1	5631.3	14443.1	3960.1	324.0	1167.7	
11-Oct	148500	942.4	0.1	249.3	7.5	265.0	0.1	6753.2	2777.6	4527.8	5631.3	14443.1	3960.1	324.0	1167.7	
15-Oct	148671	953.2	0.1	249.3	7.5	265.0	0.1	6756.5	2777.6	4531.0	5631.3	14443.1	3960.1	324.0	1167.7	
18-Oct	148775	961.0	0.1	249.3	7.5	265.0	0.1	6758.4	2777.6	4531.7	5631.3	14443.1	3960.1	324.0	1167.7	
22-Oct	148881	961.0	0.1	249.3	7.5	265.0	0.1	6760.5	2777.6	4532.3	5631.3	14443.1	3960.1	324.0	1167.7	
25-Oct	148947	961.0	0.1	249.3	7.5	265.0	0.1	6761.7	2777.6	4532.6	5631.3	14443.1	3960.1	324.0	1167.7	
29-Oct	149077	970.6	0.1	249.3	7.5	265.0	0.1	6764.2	2777.6	4535.3	5631.3	1443.1	3960.1	324.0	1167.7	

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 10/1/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	(YES)	NO	(YES)	NO	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND	(OFF)	(AUTO)	HAND	OFF	(AUTO)	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO
D. Liquid Level in Sump	HIGH		(LOW)	OVERFLOW			HIGH		(LOW)	OVERFLOW			HIGH		(LOW)	OVERFLOW		
E. Leak in Manifold Piping	YES		(NO)				YES		(NO)				YES		(NO)			
F. Elapsed Time Meter	06746.9		02777.6		02493		075		0265.0		0.1							

2. Down-gradient and Curtain Drain — A. Is there settlement along alignment of down-gradient curtain drain: YES (NO)

3. D-1 Force Main Totalizer 148152 x 100 = _____ **D-1 Force Main Pressure** _____

4. Decon. Pumps (ETM) P-1 0902.1 P-2 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER	
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	(No Leak)	Leak	
C. Alarm indicator Lights	YES	(NO)						

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	045733.8	NO	NO	NO
P-2	037651.3	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(LOW)	HIGH	OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)	
C. Are the alarms or indicator lights on?	YES	(NO)				
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	014443.1	NO	NO	NO
P-2	035960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	(NORMAL)	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are sump pumps running	(YES)	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	(NO)
C. Alarm Indicator Lights	YES	(NO)	F. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	03224.0	NO	NO	NO
P-2	01167.7	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	(YES)	NO
Lift Station No. 1	(YES)	NO
Decontamination Sump	(YES)	NO
Storage Containment Sump	(YES)	NO
Site Lighting	(YES)	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 10/4/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF
B. Running Light On	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
C. Selector Switch Position	HAND	OFF	AUTO	HAND	OFF	AUTO	HAND	OFF	AUTO	HAND	OFF	AUTO	HAND	OFF	AUTO	HAND	OFF	AUTO
D. Liquid Level in Sump	HIGH		LOW		OVERFLOW		HIGH		LOW		OVERFLOW		HIGH		LOW		OVERFLOW	
E. Leak in Manifold Piping	YES		NO		YES		NO		YES		NO	
F. Elapsed Time Meter	06749.1		02776		0249.3		07.5		0265.0		0.1	

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain: YES / NO

3. D-1 Force Main Totalizer 149276 x 100 = _____ **D-1 Force Main Pressure** _____

4. Decon. Pumps (ETM) P-1: 0907.3 P-2: 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	LOW	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH	OTHER
B. Are Sump Pumps Running	YES	NO		E. Check for leak in manifold leachate piping	Checked	No Leak	Leak
C. Alarm indicator Lights	YES	NO					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04535.8	NO	NO	NO
P-2	05631.3	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	NO	E. Check liquid level around stop planks. Is the level,	LOW	HIGH / OTHER
B. Are sump pumps running?	YES	NO	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	NO
C. Are the alarms or indicator lights on?	YES	NO			
D. Any leaks in the manifold discharge piping	YES	NO	G. Check if a pump is out of service	Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	01443.1	NO	NO	NO
P-2	03960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH	OTHER
B. Are sump pumps running	YES	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	NO
C. Alarm indicator Lights	YES	NO	F. Check if a pump is out of service		Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0329.0	NO	NO	NO
P-2	0167.7	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	NO	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	NO	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	NO
B. Settlement along alignment of force main to Burr Avenue manhole	YES	NO

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	YES	NO
Lift Station No. 1	YES	NO
Decontamination Sump	YES	NO
Storage Containment Sump	YES	NO
Site Lighting	YES	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 10/8/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	(YES)	NO	(YES)	NO	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND OFF (AUTO)		HAND OFF (AUTO)		HAND (OFF) AUTO		HAND (OFF) AUTO		HAND (OFF) AUTO		HAND (OFF) AUTO	
D. Liquid Level in Sump	HIGH	(LOW)	OVERFLOW		HIGH	(LOW)	OVERFLOW		HIGH	(LOW)	OVERFLOW	
E. Leak in Manifold Piping	YES	(NO)			YES	(NO)			YES	(NO)		
F. Elapsed Time Meter	06757.6		02777.6		0249.3		07.5		0265.0		0.1	

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain YES (NO)

3. D-1 Force Main Totalizer 149413 x 100 = _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) **P-1** 0926.3 **P-2** 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	(No Leak)	Leak
C. Alarm indicator Lights	YES	(NO)					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04527.1	NO	NO	NO
P-2	05631.5	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(LOW)	HIGH OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)
C. Are the alarms or indicator lights on?	YES	(NO)			
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	(4443.)	NO	NO	NO
P-2	03960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	(NORMAL)	HIGH	D. Check liquid level in sump	(LOW)	HIGH OTHER
B. Are sump pumps running	(YES)	NO	E. Is there any leak in the storage tanks and manifold discharge piping	YES	(NO)
C. Alarm indicator Lights	YES	(NO)	F. Check if a pump is out of service	Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0354.0	NO	NO	NO
P-2	01167.7	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	(YES)	NO
Lift Station No. 1	(YES)	NO
Decontamination Sump	(YES)	NO
Storage Containment Sump	(YES)	NO
Site Lighting	(YES)	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 10/11/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF
B. Running Light On	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
C. Selector Switch Position	HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO	
D. Liquid Level in Sump	HIGH	LOW	OVERFLOW		HIGH	LOW	OVERFLOW		HIGH	LOW	OVERFLOW	
E. Leak in Manifold Piping	YES	NO			YES	NO			YES	NO		
F. Elapsed Time Meter	06753.2	02777.6			0249.3	07.5			0265.0	0.1		

2. Down-gradient and Curtain Drain — A. Is there settlement along alignment of down-gradient curtain drain: YES / NO

3. D-1 Force Main Totalizer 148500 x 100 = _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) P-1: 0942.4 P-2: 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	LOW	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH	OTHER
B. Are Sump Pumps Running	YES	NO		E. Check for leak in manifold leachate piping	Checked	No Leak	Leak
C. Alarm indicator Lights	YES	NO					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04527.8	NO	NO	NO
P-2	05631.3	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	NO	E. Check liquid level around stop planks. Is the level,	LOW	HIGH	OTHER
B. Are sump pumps running?	YES	NO	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	NO	
C. Are the alarms or indicator lights on?	YES	NO				
D. Any leaks in the manifold discharge piping	YES	NO	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	14443.1	NO	NO	NO
P-2	03960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH	OTHER
B. Are sump pumps running	YES	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	NO
C. Alarm indicator Lights	YES	NO	F. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0324.0	NO	NO	NO
P-2	0116.7	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	NO	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	NO	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	NO
B. Settlement along alignment of force main to Burr Avenue manhole	YES	NO

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	YES	NO
Lift Station No. 1	YES	NO
Decontamination Sump	YES	NO
Storage Containment Sump	YES	NO
Site Lighting	YES	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 10/15/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	(YES)	NO	(YES)	NO	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND	OFF	(AUTO)	HAND	OFF	(AUTO)	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO
D. Liquid Level in Sump	HIGH		(LOW)		OVERFLOW		HIGH		(LOW)		OVERFLOW		HIGH		(LOW)		OVERFLOW	
E. Leak in Manifold Piping	YES		(NO)				YES		(NO)				YES		(NO)			
F. Elapsed Time Meter	06756.5		02777.6		0249.3		07.5		0265.6		3.1							

2. Down-gradient and Curtain Drain — A. Is there settlement along alignment of down-gradient curtain drain: YES (NO)

3. D-1 Force Main Totalizer 14867 x 100 = _____ **D-1 Force Main Pressure** _____

4. Decon. Pumps (ETM) P-1: 0953.2 P-2: 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	(No Leak)	Leak
C. Alarm indicator Lights	YES	(NO)					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04531.0	NO	NO	NO
P-2	05651.3	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(LOW)	HIGH	OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)	
C. Are the alarms or indicator lights on?	YES	(NO)				
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	01443.1	NO	NO	NO
P-2	03960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are sump pumps running	(YES)	NO	E. Is there any leak in the storage tanks and manifold discharge piping	YES	(NO)	
C. Alarm indicator Lights	YES	(NO)	F. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0324.0	NO	NO	NO
P-2	01167.7	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	(YES)	NO
Lift Station No. 1	(YES)	NO
Decontamination Sump	(YES)	NO
Storage Containment Sump	(YES)	NO
Site Lighting	(YES)	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 10/18/15 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	(YES)	NO	(YES)	NO	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND	OFF	(AUTO)	HAND	OFF	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO
D. Liquid Level in Sump	HIGH		(LOW)		OVERFLOW		HIGH		(LOW)		OVERFLOW		HIGH		(LOW)		OVERFLOW	
E. Leak in Manifold Piping	YES		(NO)				YES		(NO)				YES			(NO)		
F. Elapsed Time Meter	067553.4		02777.6		02493		075		0265.0		0.1	

2. Down-gradient and Curtain Drain — A. Is there settlement along alignment of down-gradient curtain drain: YES / (NO)

3. D-1 Force Main Totalizer 149775 x 100 = _____ **D-1 Force Main Pressure** _____

4. Decon. Pumps (ETM) **P-1** 0961.0 **P-2** 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	(No Leak)	Leak
C. Alarm indicator Lights	YES	(NO)					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1		(NO)	(NO)	(NO)
P-2		(NO)	(NO)	(NO)

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(LOW) HIGH OTHER	
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)
C. Are the alarms or indicator lights on?	YES	(NO)			
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	014445.1	(NO)	(NO)	(NO)
P-2	023960.1	(NO)	(NO)	(NO)

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	(NORMAL)	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are sump pumps running	(YES)	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	(NO)
C. Alarm indicator Lights	YES	(NO)	F. Check if a pump is out of service	Pump 1		Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0324.0	(NO)	(NO)	(NO)
P-2	011677	(NO)	(NO)	(NO)

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)	
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)	

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:			
Lift Station No. 1	(YES)	NO	
Lift Station No. 1	(YES)	NO	
Decontamination Sump	(YES)	NO	
Storage Containment Sump	(YES)	NO	
Site Lighting	(YES)	NO	

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 10/22/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	~~ON~~	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF
B. Running Light On	~~YES~~	NO	~~YES~~	NO	YES	~~NO~~	YES	~~NO~~	YES	~~NO~~	YES	~~NO~~
C. Selector Switch Position	HAND OFF ~~AUTO~~		HAND OFF ~~AUTO~~		HAND ~~OFF~~ AUTO		HAND ~~OFF~~ AUTO		HAND ~~OFF~~ AUTO		HAND ~~OFF~~ AUTO	
D. Liquid Level in Sump	HIGH	~~LOW~~	OVERFLOW		HIGH	~~LOW~~	OVERFLOW		HIGH	~~LOW~~	OVERFLOW	
E. Leak in Manifold Piping	YES		~~NO~~		YES		~~NO~~		YES		~~NO~~	
F. Elapsed Time Meter	067605		02776		0248.3		07.5		02650		0.1	

2. Down-gradient and Curtain Drain — A. Is there settlement along alignment of down-gradient curtain drain: YES ~~NO~~

3. D-1 Force Main Totalizer 147831 x 100 = _____ **D-1 Force Main Pressure** _____

4. Decon. Pumps (ETM) **P-1** 0961.0 **P-2** 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	~~LOW~~	NORMAL	HIGH	D. Check liquid level in sump	~~LOW~~	HIGH	OTHER	
B. Are Sump Pumps Running	YES	~~NO~~		E. Check for leak in manifold leachate piping	Checked	~~No Leak~~	Leak	
C. Alarm indicator Lights	YES	~~NO~~						

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04532.3	~~NO~~	~~NO~~	~~NO~~
P-2	05651.3	~~NO~~	~~NO~~	~~NO~~

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	~~NO~~	E. Check liquid level around stop planks. Is the level,	~~LOW~~	HIGH	OTHER
B. Are sump pumps running?	YES	~~NO~~	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	~~NO~~	
C. Are the alarms or indicator lights on?	YES	~~NO~~				
D. Any leaks in the manifold discharge piping	YES	~~NO~~	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	14443.1	~~NO~~	~~NO~~	~~NO~~
P-2	03460.1	~~NO~~	~~NO~~	~~NO~~

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	~~NORMAL~~	HIGH	D. Check liquid level in sump	~~LOW~~	HIGH	OTHER
B. Are sump pumps running	~~YES~~	~~NO~~	E. Is there any leak in the storage tanks and manifold discharge piping		YES	~~NO~~
C. Alarm indicator Lights	YES	~~NO~~	F. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0324.0	~~NO~~	~~NO~~	~~NO~~
P-2	01167.7	~~NO~~	~~NO~~	~~NO~~

8. Carbon Adsorption System

A. Air Compressors ON	YES	~~NO~~	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	~~NO~~	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	~~NO~~
B. Settlement along alignment of force main to Burr Avenue manhole	YES	~~NO~~

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	~~YES~~	NO
Lift Station No. 1	~~YES~~	NO
Decontamination Sump	~~YES~~	NO
Storage Containment Sump	~~YES~~	NO
Site Lighting	~~YES~~	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 10/25/19 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	(YES)	NO	(YES)	NO	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND	(OFF)	(AUTO)	HAND	(OFF)	(AUTO)	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO
D. Liquid Level in Sump	HIGH		(LOW)		OVERFLOW		HIGH		(LOW)		OVERFLOW		HIGH		(LOW)		OVERFLOW	
E. Leak in Manifold Piping	YES		(NO)		YES		(NO)		YES		(NO)	
F. Elapsed Time Meter	06761.7		02777.6		0249.3		07.5		02650		0.1	

2. Down-gradient and Curtain Drain — A. Is there settlement along alignment of down-gradient curtain drain: YES (NO)

3. D-1 Force Main Totalizer 1418947 x 100 = _____ **D-1 Force Main Pressure** _____

4. Decon. Pumps (ETM) P-1 05610 P-2 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER	
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	(No Leak)	Leak	
C. Alarm indicator Lights	YES	(NO)						

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	24532.6	NO	NO	NO
P-2	05631.5	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(LOW)	HIGH	OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)
C. Are the alarms or indicator lights on?	YES	(NO)			
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	01443.1	NO	NO	NO
P-2	03460.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are sump pumps running	(YES)	NO	E. Is there any leak in the storage tanks and manifold discharge piping	YES	(NO)
C. Alarm indicator Lights	YES	(NO)	F. Check if a pump is out of service	Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0324.0	NO	NO	NO
P-2	01167.1	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	(YES)	NO
Lift Station No. 1	(YES)	NO
Decontamination Sump	(YES)	NO
Storage Containment Sump	(YES)	NO
Site Lighting	(YES)	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 10/29/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF
B. Running Light On	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
C. Selector Switch Position	HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO	
D. Liquid Level in Sump	HIGH	LOW	OVERFLOW		HIGH	LOW	OVERFLOW		HIGH	LOW	OVERFLOW	
E. Leak in Manifold Piping	YES	NO			YES	NO			YES	NO		
F. Elapsed Time Meter	06764.2	02777.6			02493	07.5			0265.0	6.1		

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain: YES / NO

3. D-1 Force Main Totalizer 149077 x 100 = _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) P-1: 0970.6 P-2: 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	LOW	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH	OTHER
B. Are Sump Pumps Running	YES	NO		E. Check for leak in manifold leachate piping	Checked	No Leak	Leak
C. Alarm indicator Lights	YES	NO					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	045353	NO	NO	NO
P-2	056315	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	NO	E. Check liquid level around stop planks. Is the level,	LOW	HIGH	OTHER
B. Are sump pumps running?	YES	NO	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	NO	
C. Are the alarms or indicator lights on?	YES	NO				
D. Any leaks in the manifold discharge piping	YES	NO	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	014443.1	NO	NO	NO
P-2	039601	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH	OTHER
B. Are sump pumps running	YES	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	NO
C. Alarm indicator Lights	YES	NO	F. Check if a pump is out of service		Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	03240	NO	NO	NO
P-2	011671	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	NO	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	NO	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	NO
B. Settlement along alignment of force main to Burr Avenue manhole	YES	NO

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	YES	NO
Lift Station No. 1	YES	NO
Decontamination Sump	YES	NO
Storage Containment Sump	YES	NO
Site Lighting	YES	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-2
MONTHLY INSPECTION CHECKLIST
MANHOLE AND SUMPS
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

October 2018

Item No.	Inspection Item	Manhole and Sump Number									
		D-1	D-2	D-3	D-4	D-5	D-6	D-7	D-8	D-9	D-10
1	Manhole Cover	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
2	Silt Accumulation	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
3	Settlement	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
4	Pipe Connections	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
5	Settlement Along Curtain Drain	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
6	Flow into manhole or sump	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK

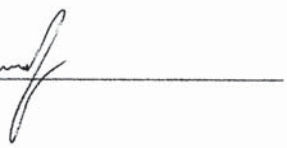
**NA= no access due to persistent snow and ice cover

Item No.	Inspection Item	Manhole and Sump Number									
		LS-1	LS-2	DS-1	DS-2*	TS-1	U-1	U-2	U-3	U-4	U-5	U-6
1	Manhole Cover	OK	OK	OK	-	OK		OK	OK	OK		-
2	Silt Accumulation	OK	OK	OK	-	OK		OK	OK	OK		-
3	Settlement	OK	OK	OK	-	OK		OK	OK	OK		-
4	Pipe Connections	OK	OK	OK	-	OK		OK	OK	OK		-
5	Settlement Along Curtain Drain	OK	OK	OK	-	OK		OK	OK	OK		-
6	Flow into manhole or sump	OK	OK	OK	-	OK		OK	OK	OK		

Notes:
1. Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.
2. Use "NS" (Not Satisfactory) where problems are noted.
3. For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary
4. *DS-2 was provided for the Decon Trailer which is no longer on the site. DS-2 is no longer in use.

DATE: **10/4/18**

Tech: AMD

Signature: 

FORM GWL-3
QUARTERLY INSPECTION CHECKLIST
MONITORING WELL
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDILL
(REFERENCE VOLUME III SECTION 4)

DATE: 10/5/18 INITIALS: AMD

Check For	Sampling Well Designation									
	MW 104	**MW 106**	**MW 109**	**MW 110**	**MW 113**	**MW 114**	**MW 115**	**MW 115B**	**MW 118**	**MW 119**
1. Damage/Vandalism	NS	OK	OK	OK	OK	OK	OK	OK	OK	NS
2. Settlement	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
3. Accessibility	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK

Check For	Sampling Well Designation								
	MW 120	**MW 120B**	**MW 121**	**MW 122**	**MW 126**	**MW 117**	**MW 117B**	**MW 124**	**MW 124B**
1. Damage/Vandalism	OK	OK	OK	OK	OK	NA	NA	OK	OK
2. Settlement	OK	OK	OK	OK	OK	NA	NA	OK	OK
3. Accessibility	OK	OK	OK	OK	OK	NA	NA	OK	OK

Check For					
	PZ-A	**PZ-B**	**PZ-C**	**PZ-D**	**PZ-F**
1. Damage/Vandalism	OK	OK	OK	OK	OK
2. Settlement	OK	OK	OK	OK	OK
3. Accessibility	OK	OK	OK	OK	OK

Notes: Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.

1. Use "NS" (Not Satisfactory) where problems are noted.
2. For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary
3. MW 117 and 117B have no access.

PELHAM BAY LANDFILL
GROUNDWATER LEACHATE BI-WEEKLY INSPECTION SUMMARY REPORT (GWL-1)
Month: November 2018

DATE	P.S. -D1 to WWTP Totalizer Reading (100 gals)	Downgradient Collection Sumps														Remarks and Deficiencies
		ELAPSED TIME METER READINGS (Minutes)						ELAPSED TIME METER READINGS (Hours)								
		Decon Pumps		D-8		D-10		D-1		Lift Sta. No. 1		Lift Sta. No. 2		Leachate Storage Containment Sump		
		Pump-1	Pump-2	Pump-1	Pump-2	Pump-1	Pump-2	Pump-1	Pump-2	Pump-1	Pump-2	Pump-1	Pump-2	Pump-1	Pump-2	
1-Nov	149172	982.3	0.1	249.3	7.5	265.0	0.1	6765.9	2777.6	4536.1	5631.3	14443.1	3960.1	324.0	1167.7	Lift Station No. 2, Pump Station D-8 and Pump Station D-10 have been removed from service for testing of leachate field. The discharge from Lift Station No. 1 has been diverted to the storm drain.
5-Nov	149288	997.8	0.1	249.3	7.5	265.0	0.1	6768.1	2777.7	4537.5	5631.3	14443.1	3960.1	324.0	1167.7	
8-Dec	149441	1009.5	0.1	249.3	7.5	265.0	0.1	6770.9	2777.7	4542.0	5631.3	14443.1	3960.1	324.0	1167.7	
12-Dec	149652	1020.9	0.1	249.3	7.5	265.0	0.1	6774.8	2777.7	4547.3	5631.3	14443.1	3960.1	324.0	1167.7	
15-Nov	149861	1029.8	0.1	249.3	7.5	265.0	0.1	6778.7	2777.7	4554.5	5631.3	14443.1	3960.1	324.0	1167.7	
19-Nov	150246	1040.8	0.1	249.3	7.5	265.0	0.1	6785.9	2777.7	4568.5	5631.3	14443.1	3960.1	324.0	1167.7	
23-Nov	150458	1057.4	0.1	249.3	7.5	265.0	0.1	6789.9	2777.7	4571.6	5631.3	14443.1	3960.1	324.0	1188.3	
26-Nov	150653	1073.1	0.1	249.3	7.5	265.0	0.1	6793.5	2777.7	4578.8	5631.3	14443.1	3960.1	324.0	1188.9	
29-Nov	150935	1084.4	0.1	249.3	7.5	265.0	0.1	6798.8	2777.7	4589.1	5631.3	14443.1	3960.1	324.0	1189.4	

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 11/1/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	YES	NO	YES	NO	(YES)	NO	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND	OFF	(AUTO)	HAND	OFF	(AUTO)	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO
D. Liquid Level in Sump	HIGH		(LOW)	OVERFLOW			HIGH		(LOW)	OVERFLOW			HIGH		(LOW)	OVERFLOW		
E. Leak in Manifold Piping	YES		(NO)				YES		(NO)				YES		(NO)			
F. Elapsed Time Meter	06765.9		02777.6		0249.3		075		0265.0		0.1							

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain YES (NO)

3. D-1 Force Main Totalizer 14972 x 100 = _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) **P-1** 0952.5 **P-2** 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER	
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	(No Leak)	Leak	
C. Alarm indicator Lights	YES	(NO)						

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	07536.1	NO	NO	NO
P-2	05651.3	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(Low)	HIGH	OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)	
C. Are the alarms or indicator lights on?	YES	(NO)				
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	01443.1	NO	NO	NO
P-2	03960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	(NORMAL)	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are sump pumps running	(YES)	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	(NO)
C. Alarm indicator Lights	YES	(NO)	F. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0324.6	NO	NO	NO
P-2	01160.7	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	(YES)	NO
Lift Station No. 1	(YES)	NO
Decontamination Sump	(YES)	NO
Storage Containment Sump	(YES)	NO
Site Lighting	(YES)	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 11/5/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	(YES)	NO	(YES)	NO	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND OFF (AUTO)		HAND OFF (AUTO)		HAND (OFF) AUTO		HAND (OFF) AUTO		HAND (OFF) AUTO		HAND (OFF) AUTO	
D. Liquid Level in Sump	HIGH	(LOW)	OVERFLOW		HIGH	(LOW)	OVERFLOW		HIGH	(LOW)	OVERFLOW	
E. Leak in Manifold Piping	YES	(NO)			YES	(NO)			YES	(NO)		
F. Elapsed Time Meter	06765.1		02777.7		0249.3		07.5		0265.0		0.1	

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain YES (NO)

3. D-1 Force Main Totalizer 149255 **x 100 =** _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) P-1 0997.5 P-2 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	(No Leak)	Leak
C. Alarm indicator Lights	YES	(NO)					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04537.5	NO	NO	NO
P-2	05631.3	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(LOW)	HIGH	OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)	
C. Are the alarms or indicator lights on?	YES	(NO)				
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	4445	NO	NO	NO
P-2	03960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	(NORMAL)	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are sump pumps running	(YES)	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	(NO)
C. Alarm indicator Lights	YES	(NO)	F. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	324.0	NO	NO	NO
P-2	09167.7	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	Off
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	(YES)	NO
Lift Station No. 1	(YES)	NO
Decontamination Sump	(YES)	NO
Storage Containment Sump	(YES)	NO
Site Lighting	(YES)	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 11/8/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	(YES)	NO	(YES)	NO	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND	OFF	(AUTO)	HAND	OFF	(AUTO)	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO
D. Liquid Level in Sump	HIGH		(LOW)	OVERFLOW			HIGH		(LOW)	OVERFLOW			HIGH		(LOW)	OVERFLOW		
E. Leak in Manifold Piping	YES		NO				YES		NO				YES		NO			
F. Elapsed Time Meter	06770.9		02777.7		02493		07.5		965.0		0.1							

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain YES (NO)

3. D-1 Force Main Totalizer 14944 x 100 = _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) P-1 01009.5 P-2 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER	
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	(No Leak)	Leak	
C. Alarm indicator Lights	YES	(NO)						

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04542.0	(NO)	(NO)	(NO)
P-2	05651.3	(NO)	(NO)	(NO)

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(LOW)	HIGH	OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)	
C. Are the alarms or indicator lights on?	YES	(NO)				
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	14443.1	(NO)	(NO)	(NO)
P-2	03960.1	(NO)	(NO)	(NO)

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are sump pumps running	YES	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	(NO)
C. Alarm Indicator Lights	YES	NO	F. Check if a pump is out of service	Pump 1		Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	324.0	(NO)	(NO)	(NO)
P-2	01167.7	(NO)	(NO)	(NO)

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	(YES)	NO
Lift Station No. 1	(YES)	NO
Decontamination Sump	(YES)	NO
Storage Containment Sump	(YES)	NO
Site Lighting	(YES)	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 11/12/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	YES	NO	YES	NO	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND OFF (AUTO)		HAND OFF (AUTO)		HAND (OFF) AUTO		HAND (OFF) AUTO		HAND (OFF) AUTO		HAND (OFF) AUTO	
D. Liquid Level in Sump	HIGH	(LOW)	OVERFLOW		HIGH	(LOW)	OVERFLOW		HIGH	(LOW)	OVERFLOW	
E. Leak in Manifold Piping	YES	(NO)			YES	(NO)			YES	(NO)		
F. Elapsed Time Meter	06774.8	02777.7			02493	07.5			0265.0	0.1		

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain YES (NO)

3. D-1 Force Main Totalizer 149652 x 100 = **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) **P-1** 01082.1 **P-2** 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	(No Leak)	Leak
C. Alarm indicator Lights	YES	(NO)					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0557.3	NO	NO	NO
P-2	3513	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	LOW	HIGH	OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	NO	
C. Are the alarms or indicator lights on?	YES	(NO)				
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	01444.3	NO	NO	NO
P-2	5960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	(NORMAL)	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are sump pumps running	(YES)	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	(NO)
C. Alarm indicator Lights	YES	(NO)	F. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0324.0	NO	NO	NO
P-2	0116.7	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	(YES)	NO
Lift Station No. 1	(YES)	NO
Decontamination Sump	(YES)	NO
Storage Containment Sump	(YES)	NO
Site Lighting	(YES)	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 11/15/18 **INSPECTED BY:** AM

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF
B. Running Light On	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
C. Selector Switch Position	HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO	
D. Liquid Level in Sump	HIGH	LOW	OVERFLOW		HIGH	LOW	OVERFLOW		HIGH	LOW	OVERFLOW	
E. Leak in Manifold Piping	YES	NO			YES	NO			YES	NO		
F. Elapsed Time Meter	0675.7	0277.7			2493	075			0265.0	0.1		

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain YES NO

3. D-1 Force Main Totalizer 14736 **x 100 =** _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) **P-1** 0231.5 **P-2** 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	LOW	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH	OTHER
B. Are Sump Pumps Running	YES	NO		E. Check for leak in manifold leachate piping	Checked	No Leak	Leak
C. Alarm indicator Lights	YES	NO					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04554.5	NO	NO	NO
P-2	25613	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	NO	E. Check liquid level around stop planks. Is the level,	LOW	HIGH OTHER
B. Are sump pumps running?	YES	NO	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	NO
C. Are the alarms or indicator lights on?	YES	NO			
D. Any leaks in the manifold discharge piping	YES	NO	G. Check if a pump is out of service	Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	014445.1	NO	NO	NO
P-2	03960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH	OTHER
B. Are sump pumps running	YES	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	NO
C. Alarm indicator Lights	YES	NO	F. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0534.0	NO	NO	NO
P-2	0167.7	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	NO	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	NO	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	NO
B. Settlement along alignment of force main to Burr Avenue manhole	YES	NO

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	YES	NO
Lift Station No. 1	YES	NO
Decontamination Sump	YES	NO
Storage Containment Sump	YES	NO
Site Lighting	YES	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 11/19/19 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF
B. Running Light On	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
C. Selector Switch Position	HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO	
D. Liquid Level in Sump	HIGH	LOW	OVERFLOW		HIGH	LOW	OVERFLOW		HIGH	LOW	OVERFLOW	
E. Leak in Manifold Piping	YES	NO			YES	NO			YES	NO		
F. Elapsed Time Meter	02795.9	02777			0249.3	91.5			0265.0	0.1		

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain YES NO

3. D-1 Force Main Totalizer 150246 **x 100 =** _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) **P-1** 01040.3 **P-2** 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	LOW	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH	OTHER
B. Are Sump Pumps Running	YES	NO		E. Check for leak in manifold leachate piping	Checked	NO Leak	Leak
C. Alarm indicator Lights	YES	NO					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04568.5	NO	NO	NO
P-2	05631.3	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	NO	E. Check liquid level around stop planks. Is the level,	LOW	HIGH OTHER
B. Are sump pumps running?	YES	NO	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	NO
C. Are the alarms or indicator lights on?	YES	NO			
D. Any leaks in the manifold discharge piping	YES	NO	G. Check if a pump is out of service	Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	01443.1	NO	NO	NO
P-2	01167.7	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH	OTHER
B. Are sump pumps running	YES	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	NO
C. Alarm indicator Lights	YES	NO	F. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0324.6	NO	NO	NO
P-2	01188.2	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	NO	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	NO	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	NO
B. Settlement along alignment of force main to Burr Avenue manhole	YES	NO

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	YES	NO
Lift Station No. 1	YES	NO
Decontamination Sump	YES	NO
Storage Containment Sump	YES	NO
Site Lighting	YES	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 11/23/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF
B. Running Light On	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
C. Selector Switch Position	HAND	OFF AUTO	HAND	OFF AUTO	HAND	OFF AUTO	HAND	OFF AUTO	HAND	OFF AUTO	HAND	OFF AUTO
D. Liquid Level in Sump	HIGH	LOW	OVERFLOW		HIGH	LOW	OVERFLOW		HIGH	LOW	OVERFLOW	
E. Leak in Manifold Piping	YES	NO			YES	NO			YES	NO		
F. Elapsed Time Meter	06789.1	02777.7			0249.3	07.5			0265.0	0.1		

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain YES NO

3. D-1 Force Main Totalizer 150458 x 100 = _____ **D-1 Force Main Pressure** _____

4. Decon. Pumps (ETM) **P-1** 010574 **P-2** 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	LOW	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH OTHER
B. Are Sump Pumps Running	YES	NO		E. Check for leak in manifold leachate piping	Checked	No Leak Leak
C. Alarm indicator Lights	YES	NO				

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04574	NO	NO	NO
P-2	05621.5	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	NO	E. Check liquid level around stop planks. Is the level,	LOW	HIGH OTHER
B. Are sump pumps running?	YES	NO	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	NO
C. Are the alarms or indicator lights on?	YES	NO			
D. Any leaks in the manifold discharge piping	YES	NO	G. Check if a pump is out of service	Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04443.1	NO	NO	NO
P-2	05960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH OTHER
B. Are sump pumps running	YES	NO	E. Is there any leak in the storage tanks and manifold discharge piping	YES	NO
C. Alarm indicator Lights	YES	NO	F. Check if a pump is out of service	Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	03240	NO	NO	NO
P-2	01553	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	NO	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	NO	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	NO
B. Settlement along alignment of force main to Burr Avenue manhole	YES	NO

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	YES	NO
Lift Station No. 1	YES	NO
Decontamination Sump	YES	NO
Storage Containment Sump	YES	NO
Site Lighting	YES	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 11/26/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	(YES)	NO	(YES)	NO	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND	OFF	(AUTO)	HAND	OFF	(AUTO)	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO
D. Liquid Level in Sump	HIGH		(LOW)		OVERFLOW		HIGH		(LOW)		OVERFLOW		HIGH		(LOW)		OVERFLOW	
E. Leak in Manifold Piping	YES			NO			YES			(NO)			YES			(NO)		
F. Elapsed Time Meter	06793.5		02777.7		0249.3		07.5		0265.0		0.1							

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain YES (NO)

3. D-1 Force Main Totalizer 150653 **x 100 =** _____ **D-1 Force Main Pressure** _____

4. Decon. Pumps (ETM) **P-1** 0107.1 **P-2** 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	(No Leak)	Leak
C. Alarm indicator Lights	YES	(NO)					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	8-1573.3	NO	NO	NO
P-2	0563.3	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(LOW)	HIGH	OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)
C. Are the alarms or indicator lights on?	YES	(NO)			
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0144.3	NO	NO	NO
P-2	0360.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	(NORMAL)	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are sump pumps running	(YES)	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	(NO)
C. Alarm indicator Lights	YES	(NO)	F. Check if a pump is out of service	Pump 1		Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0344.0	NO	NO	NO
P-2	0113.3	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	(YES)	NO
Lift Station No. 1	(YES)	NO
Decontamination Sump	(YES)	NO
Storage Containment Sump	(YES)	NO
Site Lighting	(YES)	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 11/29/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	ON	OFF
B. Running Light On	(YES)	NO	(YES)	NO	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND	OFF	(AUTO)	HAND	OFF	(AUTO)	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO
D. Liquid Level in Sump	HIGH		(LOW)		OVERFLOW		HIGH		(LOW)		OVERFLOW		HIGH		(LOW)		OVERFLOW	
E. Leak in Manifold Piping	YES			(NO)			YES			(NO)			YES			(NO)		
F. Elapsed Time Meter	06799.7		02777.5		0249.3		07.5		0265.0		0.1							

2. Down-gradient and Curtain Drain — A. Is there settlement along alignment of down-gradient curtain drain: YES (NO)

3. D-1 Force Main Totalizer 150955 x 100 = _____ **D-1 Force Main Pressure** _____

4. Decon. Pumps (ETM) **P-1** 010.34.4 **P-2** 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	(No Leak)	Leak
C. Alarm indicator Lights	YES	(NO)					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	09584.1	NO	NO	NO
P-2	03631.5	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(LOW)	HIGH	OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)	
C. Are the alarms or indicator lights on?	YES	(NO)				
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1		NO	NO	NO
P-2		NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	(NORMAL)	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are sump pumps running	(YES)	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	(NO)
C. Alarm indicator Lights	YES	(NO)	F. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0324.0	NO	NO	NO
P-2	01539.4	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	(YES)	NO
Lift Station No. 1	(YES)	NO
Decontamination Sump	(YES)	NO
Storage Containment Sump	(YES)	NO
Site Lighting	(YES)	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-2
MONTHLY INSPECTION CHECKLIST
MANHOLE AND SUMPS
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

November 2018

Item No.	Inspection Item	Manhole and Sump Number									
		D-1	D-2	D-3	D-4	D-5	D-6	D-7	D-8	D-9	D-10
1	Manhole Cover	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
2	Silt Accumulation	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
3	Settlement	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
4	Pipe Connections	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
5	Settlement Along Curtain Drain	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
6	Flow into manhole or sump	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK

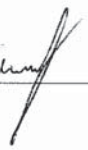
**NA= no access due to persistent snow and ice cover

Item No.	Inspection Item	Manhole and Sump Number										
		LS-1	LS-2	DS-1	DS-2*	TS-1	U-1	U-2	U-3	U-4	U-5	U-6
1	Manhole Cover	OK	OK	OK	-	OK		OK	OK	OK		-
2	Silt Accumulation	OK	OK	OK	-	OK		OK	OK	OK		-
3	Settlement	OK	OK	OK	-	OK		OK	OK	OK		-
4	Pipe Connections	OK	OK	OK	-	OK		OK	OK	OK		-
5	Settlement Along Curtain Drain	OK	OK	OK	-	OK		OK	OK	OK		-
6	Flow into manhole or sump	OK	OK	OK	-	OK		OK	OK	OK		

Notes:
1. Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.
2. Use "NS" (Not Satisfactory) where problems are noted.
3. For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary
4. *DS-2 was provided for the Decon Trailer which is no longer on the site. DS-2 is no longer in use.

DATE: **11/7/18**

Tech: AMD

Signature: 

PELHAM BAY LANDFILL
GROUNDWATER LEACHATE BI-WEEKLY INSPECTION SUMMARY REPORT (GWL-1)
Month: December 2018

DATE	P.S. -D1 to WWTP Totalizer Reading (100 gals)	Downgradient Collection Sumps														Remarks and Deficiencies
		ELAPSED TIME METER READINGS (Minutes)						ELAPSED TIME METER READINGS (Hours)								
		Decon Pumps		D-8		D-10		D-1		Lift Sta. No. 1		Lift Sta. No. 2		Leachate Storage Containment Sump		
		Pump-1	Pump-2	Pump-1	Pump-2	Pump-1	Pump-2	Pump-1	Pump-2	Pump-1	Pump-2	Pump-1	Pump-2	Pump-1	Pump-2	
3-Dec	151196	1102.2	0.1	249.3	7.5	265.0	0.1	6803.7	2777.8	4595.1	5631.3	14443.1	3960.1	324.0	1189.8	Lift Station No. 2, Pump Station D-8 and Pump Station D-10 have been removed from service for testing of leachate field. The discharge from Lift Station No. 1 has been diverted to the storm drain.
7-Dec	151440	1103.6	0.1	249.3	7.5	265.0	0.1	6805.8	2777.8	4597.3	5631.3	14443.1	3960.1	324.0	1190.1	
10-Dec	151600	1117.2	0.1	249.3	7.5	265.0	0.1	6809.4	2777.8	4599.1	5631.3	14443.1	3960.1	324.0	1190.1	
14-Dec	151788	1134.7	0.1	249.3	7.5	265.0	0.1	6814.9	2777.8	4602.9	5631.3	14443.1	3960.1	324.0	1190.1	
17-Dec	151973	1134.7	0.1	249.3	7.5	265.0	0.1	6818.4	2777.8	4608.0	5631.3	14443.1	3960.1	324.0	1190.1	
20-Dec	152183	1134.8	0.1	249.3	7.5	265.0	0.1	6822.4	2777.8	4612.4	5631.3	14443.1	3960.1	324.0	1190.1	
24-Dec	153361	1134.8	0.1	249.3	7.5	265.0	0.1	6846.6	2778.1	4629.2	5631.3	14443.1	3960.1	324.0	1190.1	
27-Dec	154263	1134.8	0.1	249.3	7.5	265.0	0.1	6864.4	2778.1	4632.5	5631.3	14443.1	3960.1	324.0	1190.1	
31-Dec	155599	1134.8	0.1	249.3	7.5	265.0	0.1	6890.7	2778.1	4641.8	5631.3	14443.1	3960.1	324.0	1190.1	

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 12/3/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	(YES)	NO	(YES)	NO	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND (OFF) AUTO		HAND OFF (AUTO)		HAND (OFF) AUTO		HAND (OFF) AUTO		HAND (OFF) AUTO		HAND (OFF) AUTO	
D. Liquid Level in Sump	HIGH	(LOW)	OVERFLOW		HIGH	(LOW)	OVERFLOW		HIGH	(LOW)	OVERFLOW	
E. Leak in Manifold Piping	YES	(NO)			YES	(NO)			YES	(NO)		
F. Elapsed Time Meter	068037	02777	02493	075	02650	01						

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain YES (NO)

3. D-1 Force Main Totalizer 15196 **x 100 =** _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) **P-1** 01024 **P-2** 01

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	(No Leak)	Leak
C. Alarm indicator Lights	YES	(NO)					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	041595.1	NO	NO	NO
P-2	056313	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(LOW)	HIGH	OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)
C. Are the alarms or indicator lights on?	YES	(NO)			
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	014443.1	NO	NO	NO
P-2	039601	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are sump pumps running	(YES)	NO	E. Is there any leak in the storage tanks and manifold discharge piping			YES (NO)
C. Alarm indicator Lights	YES	(NO)	F. Check if a pump is out of service		Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0324.6	NO	NO	NO
P-2	01189.9	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	YES	(NO)
Lift Station No. 1	YES	(NO)
Decontamination Sump	YES	(NO)
Storage Containment Sump	YES	(NO)
Site Lighting	YES	(NO)

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 12/7/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF
B. Running Light On	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
C. Selector Switch Position	HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO		HAND OFF AUTO	
D. Liquid Level in Sump	HIGH	LOW	OVERFLOW		HIGH	LOW	OVERFLOW		HIGH	LOW	OVERFLOW	
E. Leak in Manifold Piping	YES	NO			YES	NO			YES	NO		
F. Elapsed Time Meter	04597.3		05631.3		02493		075		0265.0		0.1	

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain YES NO

3. D-1 Force Main Totalizer 15440 **x 100 =** **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) **P-1** 0105.6 **P-2** 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	LOW	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH	OTHER
B. Are Sump Pumps Running	YES	NO		E. Check for leak in manifold leachate piping	Checked	No Leak	Leak
C. Alarm indicator Lights	YES	NO					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	05705.4	NO	NO	NO
P-2	05631.3	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	NO	E. Check liquid level around stop planks. Is the level,	LOW	HIGH	OTHER
B. Are sump pumps running?	YES	NO	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	NO	
C. Are the alarms or indicator lights on?	YES	NO				
D. Any leaks in the manifold discharge piping	YES	NO	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0141143.1	NO	NO	NO
P-2	0139601	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	NORMAL	HIGH	D. Check liquid level in sump	LOW	HIGH	OTHER
B. Are sump pumps running	YES	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	NO
C. Alarm indicator Lights	YES	NO	F. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0524.6	NO	NO	NO
P-2	0119.1	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	NO	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	NO	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	NO
B. Settlement along alignment of force main to Burr Avenue manhole	YES	NO

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	YES	NO
Lift Station No. 1	YES	NO
Decontamination Sump	YES	NO
Storage Containment Sump	YES	NO
Site Lighting	YES	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 12/10/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	YES	NO	YES	NO	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO
D. Liquid Level in Sump	HIGH		(LOW)	OVERFLOW			HIGH		(LOW)	OVERFLOW			HIGH		(LOW)	OVERFLOW		
E. Leak in Manifold Piping	YES			(NO)			YES			(NO)			YES			(NO)		
F. Elapsed Time Meter	06807.4		0277.8		0249.3		07.5		0265.0		0.1	

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain YES (NO)

3. D-1 Force Main Totalizer 151600 **x 100 =** _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) **P-1** 0117.2 **P-2** 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	No Leak	Leak
C. Alarm indicator Lights	YES	(NO)					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	04599.1	NO	NO	NO
P-2	05631.3	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(LOW)	HIGH	OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	NO	
C. Are the alarms or indicator lights on?	YES	(NO)				
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	01443.1	NO	NO	NO
P-2	03960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	(NORMAL)	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are sump pumps running	(YES)	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	(NO)
C. Alarm indicator Lights	YES	(NO)	F. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0324.0	NO	NO	NO
P-2	01190.1	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	(YES)	NO
Lift Station No. 1	(YES)	NO
Decontamination Sump	(YES)	NO
Storage Containment Sump	(YES)	NO
Site Lighting	(YES)	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 12/14/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	(YES)	NO	(YES)	NO	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND	(OFF) AUTO	HAND	(OFF) AUTO	HAND	(OFF) AUTO	HAND	(OFF) AUTO	HAND	(OFF) AUTO	HAND	(OFF) AUTO
D. Liquid Level in Sump	HIGH	(LOW)	OVERFLOW		HIGH	(LOW)	OVERFLOW		HIGH	(LOW)	OVERFLOW	
E. Leak in Manifold Piping	YES	(NO)			YES	(NO)			YES	(NO)		
F. Elapsed Time Meter	068149	02777.5			02493	07.5			0265.0	0.1		

2. Down-gradient and Curtain Drain — A. Is there settlement along alignment of down-gradient curtain drain: YES (NO)

3. D-1 Force Main Totalizer 151788 **x 100 =** _____ **D-1 Force Main Pressure** _____

4. Decon. Pumps (ETM) **P-1** 01134.7 **P-2** 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	(No Leak)	Leak
C. Alarm indicator Lights	YES	(NO)					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	01002.9	NO	NO	NO
P-2	03631.5	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(LOW)	HIGH	OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)	
C. Are the alarms or indicator lights on?	YES	(NO)				
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	014443.1	NO	NO	NO
P-2	03962.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	(NORMAL)	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are sump pumps running	(YES)	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	(NO)
C. Alarm indicator Lights	YES	(NO)	F. Check if a pump is out of service		Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	03240	NO	NO	NO
P-2	31901	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	(YES)	NO
Lift Station No. 1	(YES)	NO
Decontamination Sump	(YES)	NO
Storage Containment Sump	(YES)	NO
Site Lighting	(YES)	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 12/17/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	(YES)	NO	(YES)	NO	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO	HAND	(OFF)	AUTO
D. Liquid Level in Sump	HIGH		(LOW)		OVERFLOW		HIGH		(LOW)		OVERFLOW		HIGH		(LOW)		OVERFLOW	
E. Leak in Manifold Piping	YES		(NO)		YES		(NO)		YES		(NO)	
F. Elapsed Time Meter	06918.4		02777.5		0249.3		07.5		0265.0		0.1	

2. Down-gradient and Curtain Drain — A. Is there settlement along alignment of down-gradient curtain drain: YES (NO)

3. D-1 Force Main Totalizer 15975 x 100 = _____ **D-1 Force Main Pressure** _____

4. Decon. Pumps (ETM) **P-1** 01347 **P-2** 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	(No Leak)	Leak
C. Alarm indicator Lights	YES	(NO)					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0460[illegible]3.5	NO	NO	NO
P-2	05631.3	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(LOW)	HIGH	OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)
C. Are the alarms or indicator lights on?	YES	(NO)			
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	01444.1	NO	NO	NO
P-2	03960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	(NORMAL)	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are sump pumps running	(YES)	NO	E. Is there any leak in the storage tanks and manifold discharge piping			YES	(NO)
C. Alarm indicator Lights	YES	(NO)	F. Check if a pump is out of service		Pump 1	Pump 2

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0324.0	NO	NO	NO
P-2	01907.1	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	(YES)	NO
Lift Station No. 1	(YES)	NO
Decontamination Sump	(YES)	NO
Storage Containment Sump	(YES)	NO
Site Lighting	(YES)	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 12/20/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	(YES)	NO	(YES)	NO	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND (OFF) AUTO		HAND (OFF) AUTO		HAND (OFF) AUTO		HAND (OFF) AUTO		HAND (OFF) AUTO		HAND (OFF) AUTO	
D. Liquid Level in Sump	HIGH	(LOW)	OVERFLOW		HIGH	(LOW)	OVERFLOW		HIGH	(LOW)	OVERFLOW	
E. Leak in Manifold Piping	YES	(NO)			YES	(NO)			YES	(NO)		
F. Elapsed Time Meter	063224		027775		02493		075		0265.0		0.1	

2. Down-gradient and Curtain Drain — A. Is there settlement along alignment of down-gradient curtain drain: YES (NO)

3. D-1 Force Main Totalizer 152133 x 100 = _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) P-1 011549 P-2 3.1

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	(No Leak)	Leak
C. Alarm indicator Lights	YES	(NO)					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	026134	(NO)	(NO)	(NO)
P-2	055323	(NO)	(NO)	(NO)

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(LOW)	HIGH	OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)	
C. Are the alarms or indicator lights on?	YES	(NO)				
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	014443.1	(NO)	(NO)	
P-2	035601	(NO)	(NO)	

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	(NORMAL)	HIGH	D. Check liquid level in sump	LOW	HIGH	OTHER
B. Are sump pumps running	(YES)	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	(NO)
C. Alarm indicator Lights	YES	(NO)	F. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	05240	(NO)	(NO)	(NO)
P-2	011901	(NO)	(NO)	(NO)

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	YES	NO
Lift Station No. 1	YES	NO
Decontamination Sump	YES	NO
Storage Containment Sump	YES	NO
Site Lighting	YES	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 12/24/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	~~ON~~	OFF	~~ON~~	OFF	~~ON~~	OFF	~~ON~~	OFF	~~ON~~	OFF	~~ON~~	OFF
B. Running Light On	~~YES~~	NO	~~YES~~	NO	YES	~~NO~~	YES	~~NO~~	YES	~~NO~~	YES	~~NO~~
C. Selector Switch Position	HAND	~~OFF~~ AUTO	~~AUTO~~	HAND OFF	~~AUTO~~	HAND	~~OFF~~ AUTO	HAND	~~OFF~~ AUTO	HAND	~~OFF~~ AUTO	HAND	~~OFF~~ AUTO
D. Liquid Level in Sump	HIGH	~~LOW~~	OVERFLOW		HIGH	~~LOW~~	OVERFLOW		HIGH	~~LOW~~	OVERFLOW	
E. Leak in Manifold Piping	YES	~~NO~~			YES	~~NO~~			YES	~~NO~~		
F. Elapsed Time Meter	06846.6		02778.1		0249.3		07.5		0265.0		0.1	

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain YES ~~NO~~

3. D-1 Force Main Totalizer 153561 **x 100 =** _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) **P-1** 0134.8 **P-2** 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	LOW	~~NORMAL~~	HIGH	D. Check liquid level in sump	~~LOW~~	HIGH	OTHER	
B. Are Sump Pumps Running	~~YES~~	NO		E. Check for leak in manifold leachate piping	Checked	~~No Leak~~	Leak	
C. Alarm indicator Lights	YES	~~NO~~						

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	076292	~~NO~~	~~NO~~	~~NO~~
P-2	056313	~~NO~~	~~NO~~	~~NO~~

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	~~NO~~	E. Check liquid level around stop planks. Is the level,	~~LOW~~	HIGH	OTHER
B. Are sump pumps running?	YES	~~NO~~	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	~~NO~~	
C. Are the alarms or indicator lights on?	YES	~~NO~~				
D. Any leaks in the manifold discharge piping	YES	~~NO~~	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	014443.1	~~NO~~	~~NO~~	~~NO~~
P-2	035160.1	~~NO~~	~~NO~~	~~NO~~

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	~~NORMAL~~	HIGH	D. Check liquid level in sump	~~LOW~~	HIGH	OTHER	
B. Are sump pumps running	~~YES~~	NO	E. Is there any leak in the storage tanks and manifold discharge piping			YES	NO
C. Alarm indicator Lights	YES	~~NO~~	F. Check if a pump is out of service		Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1		~~NO~~	~~NO~~	~~NO~~
P-2		~~NO~~	~~NO~~	~~NO~~

8. Carbon Adsorption System

A. Air Compressors ON	YES	~~NO~~	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	~~NO~~	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	~~NO~~
B. Settlement along alignment of force main to Burr Avenue manhole	YES	~~NO~~

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	~~YES~~	NO
Lift Station No. 1	~~YES~~	NO
Decontamination Sump	~~YES~~	NO
Storage Containment Sump	~~YES~~	NO
Site Lighting	~~YES~~	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 12/27/19 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	(YES)	NO	(YES)	NO	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND	(OFF) AUTO	(HAND)	OFF (AUTO)	(HAND)	OFF AUTO	HAND	(OFF) AUTO	HAND	(OFF) AUTO	HAND	(OFF) AUTO
D. Liquid Level in Sump	HIGH	(LOW)	OVERFLOW		HIGH	(LOW)	OVERFLOW		HIGH	(LOW)	OVERFLOW	
E. Leak in Manifold Piping	YES		(NO)		YES		(NO)		YES		(NO)	
F. Elapsed Time Meter	068644		02770.1		0249.3		07.5		0265.0		0.1	

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain: YES (NO)

3. D-1 Force Main Totalizer 154.203 **x 100 =** _____ **D-1 Force Main Pressure**

4. Decon. Pumps (ETM) **P-1** 011345.8 **P-2** 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	(No Leak)	Leak
C. Alarm indicator Lights	YES	(NO)					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	046325	NO	NO	NO
P-2	056515	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(LOW)	HIGH	OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)	
C. Are the alarms or indicator lights on?	YES	(NO)				
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	014443.1	NO	NO	NO
P-2	03960.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	(NORMAL)	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER	
B. Are sump pumps running	(YES)	NO	E. Is there any leak in the storage tanks and manifold discharge piping			YES	(NO)
C. Alarm indicator Lights	YES	(NO)	F. Check if a pump is out of service		Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	03240	NO	NO	NO
P-2	03960.1	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	(YES)	NO
Lift Station No. 1	(YES)	NO
Decontamination Sump	(YES)	NO
Storage Containment Sump	(YES)	NO
Site Lighting	(YES)	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-1
WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

DATE: 12/31/18 **INSPECTED BY:** AMD

1. Down-gradient Collection Sumps

	D-1				D-8				D-10			
	Pump 1		Pump 2		Pump 1		Pump 2		Pump 1		Pump 2	
A. Circuit Breakers	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF	(ON)	OFF
B. Running Light On	(YES)	NO	(YES)	NO	YES	(NO)	YES	(NO)	YES	(NO)	YES	(NO)
C. Selector Switch Position	HAND	(OFF) AUTO	(AUTO)	HAND	OFF	(AUTO)	HAND	(OFF) AUTO	HAND	OFF	(AUTO)	HAND	(OFF) AUTO	HAND	OFF	(AUTO)
D. Liquid Level in Sump	HIGH	(LOW)	OVERFLOW	HIGH	(LOW)	OVERFLOW	HIGH	(LOW)	OVERFLOW	HIGH	(LOW)	OVERFLOW
E. Leak in Manifold Piping	YES	(NO)		YES	(NO)		YES	(NO)		YES	(NO)	
F. Elapsed Time Meter	06390.7	02778.1		02493	07.5		02650	01				

2. Down-gradient and Curtain Drain A. Is there settlement along alignment of down-gradient curtain drain YES (NO)

3. D-1 Force Main Totalizer 155598 x 100 = _____ **D-1 Force Main Pressure** _____

4. Decon. Pumps (ETM) P-1 01134.3 P-2 0.1

5. Lift Station No. 1

A. Flow from Curtain Drain	(LOW)	NORMAL	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are Sump Pumps Running	(YES)	NO		E. Check for leak in manifold leachate piping	Checked	(No Leak)	Leak
C. Alarm indicator Lights	YES	(NO)					

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	01641.9	NO	NO	NO
P-2	05631.3	NO	NO	NO

6. Lift Station No. 2

A. Settlement along buried section of force main	YES	(NO)	E. Check liquid level around stop planks. Is the level,	(LOW)	HIGH	OTHER
B. Are sump pumps running?	YES	(NO)	F. Check surface water in the Bay and Rip-Rap. Are there any signs of leachate?	YES	(NO)	
C. Are the alarms or indicator lights on?	YES	(NO)				
D. Any leaks in the manifold discharge piping	YES	(NO)	G. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	01444.1	NO	NO	NO
P-2	03966.1	NO	NO	NO

7. Leachate Storage Containment Area and Sump

A. Flow through sump weep holes	(NORMAL)	HIGH	D. Check liquid level in sump	(LOW)	HIGH	OTHER
B. Are sump pumps running	(YES)	NO	E. Is there any leak in the storage tanks and manifold discharge piping		YES	(NO)
C. Alarm indicator Lights	YES	(NO)	F. Check if a pump is out of service	Pump 1	Pump 2	

Pumps	Elapsed Time Meter	High Temp.	Seal Fail	Fault
P-1	0324.0	NO	NO	NO
P-2	01190.1	NO	NO	NO

8. Carbon Adsorption System

A. Air Compressors ON	YES	(NO)	**BLOWER No. 1** (ETM)	OFF
B. Activated carbon canisters operating (On Line)	YES	(NO)	**BLOWER No. 2** (ETM)	

9. Contract HP-877 Force Main Discharge to POTW

A. Leakage from pipe-work in valve box beside Lift Station No. 1	YES	(NO)
B. Settlement along alignment of force main to Burr Avenue manhole	YES	(NO)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:		
Lift Station No. 1	(YES)	NO
Lift Station No. 1	(YES)	NO
Decontamination Sump	(YES)	NO
Storage Containment Sump	(YES)	NO
Site Lighting	(YES)	NO

Note: For noted deficiencies and problems provide description on form DP-1. Attach additional sheets if necessary.

FORM GWL-2
MONTHLY INSPECTION CHECKLIST
MANHOLE AND SUMPS
GROUNDWATER/LEACHATE MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
(REFERENCE VOLUME III SECTION 4)

Deceember 2018

Item No.	Inspection Item	Manhole and Sump Number									
		D-1	D-2	D-3	D-4	D-5	D-6	D-7	D-8	D-9	D-10
1	Manhole Cover	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
2	Silt Accumulation	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
3	Settlement	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
4	Pipe Connections	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
5	Settlement Along Curtain Drain	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
6	Flow into manhole or sump	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK

**NA= no access due to persistent snow and ice cover

Item No.	Inspection Item	Manhole and Sump Number									
		LS-1	LS-2	DS-1	DS-2*	TS-1	U-1	U-2	U-3	U-4	U-5	U-6
1	Manhole Cover	OK	OK	OK	-	OK		OK	OK	OK		-
2	Silt Accumulation	OK	OK	OK	-	OK		OK	OK	OK		-
3	Settlement	OK	OK	OK	-	OK		OK	OK	OK		-
4	Pipe Connections	OK	OK	OK	-	OK		OK	OK	OK		-
5	Settlement Along Curtain Drain	OK	OK	OK	-	OK		OK	OK	OK		-
6	Flow into manhole or sump	OK	OK	OK	-	OK		OK	OK	OK		

Notes:
1. Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.
2. Use "NS" (Not Satisfactory) where problems are noted.
3. For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary
4. *DS-2 was provided for the Decon Trailer which is no longer on the site. DS-2 is no longer in use.

DATE: **12/7/18**

Tech: AMD

Signature: 

Daily Operations Monthly Reports

PELHAM BAY LANDFILL

Daily Operations Monthly Report - Weather and General Comments

Month: January 2018

	Date	Weather	Ambient Temp. (°F)			Precip. (in)	OM&M Personnel On Site	Visitors	Comments
			High	Avg.	Low				
Monday	1		19	14	8	0			Holiday.
Tuesday	2		26	20	14	0	AMD		Fence repair.
Wednesday	3		30	24	17	0	AMD		FCS-1 inspection completed. M-1 sampling completed.
Thursday	4	Fog , Snow	29	25	20	0.51	AMD		Snow removal.
Friday	5		20	15	10	0	AMD		AS-1 inspection completed.
Saturday	6		15	12	8	0			
Sunday	7		18	12	6	0			
Monday	8	Rain , Snow	33	26	18	T	AMD		GWL-2 inspection completed.
Tuesday	9		43	37	30	0	AMD		LFG-4 inspection completed.
Wednesday	10		40	33	26	0	AMD		Well readings completed.
Thursday	11		47	41	35	0	AMD		Trash pickup.
Friday	12	Fog , Rain	60	49	37	0.69	AMD		SMS-1 inspection completed.
Saturday	13	Rain	53	37	20	0.11			
Sunday	14		24	20	15	0			
Monday	15		30	23	16	0	AMD		Holiday.
Tuesday	16		34	29	24	0	AMD		LFG-3 inspection completed. Lateral pipe leak in tank area.
Wednesday	17	Rain , Snow	36	30	23	0.17	AMD		Snow removal.
Thursday	18		33	27	20	0	AMD		GWL-3 inspection completed.
Friday	19		40	33	26	0	AMD		Trash pickup.
Saturday	20		54	46	37	0			
Sunday	21		52	47	42	T			
Monday	22	Fog , Rain	45	41	36	T	AMD		Well depth to water readings completed.
Tuesday	23	Fog , Rain	60	48	36	0.31	AMD		Groundwater sampling preparation.
Wednesday	24		45	37	28	0	AMD,KR		Groundwater sampling event.
Thursday	25		35	30	24	0	AMD,KR		Groundwater sampling event.
Friday	26		39	34	28	0	AMD		SMS-1 inspection completed.
Saturday	27		57	46	35	0			
Sunday	28	Rain	54	48	42	0.27			
Monday	29	Snow	44	39	34	T	AMD		Trash pickup.
Tuesday	30	Snow	37	32	26	0.06	AMD		SMS-3 inspection completed.
Wednesday	31		25	22	19	0	AMD	Bronx Welding.	2-nitrogen tanks delivered.

PELHAM BAY LANDFILL

Daily Operations Monthly Report - Weather and General Comments

Month: February 2018

	Date	Weather	Ambient Temp. (°F)			Precip. (in)	OM&M Personnel On Site	Visitors	Comments
			High	Avg.	Low				
Thursday	1	Rain	45	39	33	0.05	AMD		Clean mower and inside shed area.
Friday	2	Rain , Snow	39	29	18	0.18	AMD		Fence repair.
Saturday	3		32	25	17	0			
Sunday	4	Rain	47	39	31	1.01			
Monday	5	Snow	41	35	28	T	EM		
Tuesday	6		38	33	28	0	EM		Cleaned trailer.
Wednesday	7	Rain , Snow	47	39	30	0.85	EM		Trash pickup.
Thursday	8		34	30	26	0	AMD		AS-1 inspection completed.
Friday	9		39	34	28	0	AMD		FCS-1 inspection completed.
Saturday	10	Rain	51	45	38	0.53			
Sunday	11	Rain	60	51	42	1.28			
Monday	12		63	49	34	T	AMD		LFG-3 inspection completed.
Tuesday	13		38	33	27	0	AMD		GWL-2 inspection completed.
Wednesday	14	Rain	54	45	36	0.1	AMD		Trash pickup.
Thursday	15	Rain	61	54	47	0.14	AMD	Aldona	Well readings completed. Replaced south sensor at flare.
Friday	16	Rain	59	48	37	0.11	AMD		Filled hole well 7.
Saturday	17	Snow	39	35	30	0.6			
Sunday	18	Snow	45	39	33	0.02			
Monday	19	Rain	49	41	33	0.03			Holiday.
Tuesday	20	Rain	70	59	47	T	AMD		SMS-1 inspection completed. M-1 sampler set up.
Wednesday	21	Fog , Rain	79	65	50	0.02	AMD		M-1 sampling completed.
Thursday	22	Rain	58	48	37	0.11	AMD		Trash pickup.
Friday	23	Rain	44	40	36	0.07	AMD		SMS-2 inspection completed.
Saturday	24	Rain	54	49	43	0.07			
Sunday	25	Rain	45	43	40	0.77			
Monday	26		52	48	44	0	AMD		Trash pick up.
Tuesday	27		57	49	40	0	AMD		SMS-3 inspection completed.
Wednesday	28		46	44	42	0	AMD		Filled holes well 16 and 7.

PELHAM BAY LANDFILL

Daily Operations Monthly Report - Weather and General Comments
Month: March 2018

	Date	Weather	Ambient Temp. (°F) High	Avg.	Low	Precip. (in)	OM&M Personnel On Site	Visitors	Comments
Thursday	1	Rain	59	51	43	0.42	AMD		Fence repair.
Friday	2	Rain , Snow	44	40	36	1.76	AMD		Trash pickup.
Saturday	3		47	43	38	0			
Sunday	4		44	40	35	0			
Monday	5		42	39	35	0	AMD		LFG-4 inspection completed.
Tuesday	6	Rain	47	41	34	T	AMD		Well readings completed.
Wednesday	7	Fog , Rain , Snow , Thunderstorm	39	37	34	0.9	AMD		Snow removal, FCS-1 inspection completed.
Thursday	8		42	38	34	T	AMD		Spread salt on steps, parking lot.
Friday	9		44	38	31	T	AMD		AS-1 inspection completed.
Saturday	10		41	37	33	0			
Sunday	11		46	40	34	0			
Monday	12	Rain	43	38	33	0.04	AMD	Aldona,Lowitt Alarms	Installed new alarm. GWL-2 inspection completed.
Tuesday	13	Rain , Snow	42	38	34	0.22	AMD		Trash pickup.
Wednesday	14	Snow	42	37	32	T	AMD		Rake out stone in parking lot.
Thursday	15		48	41	34	0	EM		Mopped trailer.
Friday	16		40	36	32	0	AMD		Filled hole well 14
Saturday	17		48	39	29	0			
Sunday	18		44	37	30	0			
Monday	19		47	41	34	0	AMD		M-1 sampler set up. Changed nitrogen tank at flare.
Tuesday	20	Rain	39	35	31	T	AMD		M-1 sampling completed. SMS-1 inspection completed.
Wednesday	21	Fog , Snow	40	36	32	0.63	AMD,DF		Snow removal.
Thursday	22	Snow	51	42	33	0.01	AMD,DF		Snow removal.
Friday	23		50	44	37	T	AMD	Bronx Welding.	2 nitrogen tanks delivered.
Saturday	24		51	44	37	0			
Sunday	25	Rain	44	40	35	T			
Monday	26		50	42	34	0	AMD		SMS-2 inspection completed.
Tuesday	27	Rain	45	40	35	0.01	AMD		Trash pickup.
Wednesday	28	Rain	52	46	39	0.03	AMD		Rake out stone piles along roadside.
Thursday	29	Rain	53	50	46	0.02	AMD		Equipment preparation.
Friday	30	Rain	60	52	43	0.04	AMD		SMS-3 inspection completed.
Saturday	31		57	49	40	0			

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Daily Operations Monthly Report - Weather and General Comments

Month: April 2018

	Date	Weather	Ambient Temp. (°F)			Precip. (in)	OM&M Personnel On Site	Visitors	Comments
			High	Avg.	Low				
Sunday	1		59	51	43	T			
Monday	2	Fog , Snow	43	38	32	0.55	AMD		Snow removal.
Tuesday	3	Rain	44	42	39	0.27	AMD		LFG-3 inspection completed.
Wednesday	4	Fog , Rain	57	49	41	0.12	AMD	Vanguard	GWL-3 inspection completed. Tree island blown over above well 14. See AS-1 DP-1 form. Work done on oxygen sensor box.
Thursday	5		46	41	35	0	AMD		Fence repair.
Friday	6	Rain	62	50	37	0.09	AMD		LFG-4 inspection completed.
Saturday	7		49	44	38	0			
Sunday	8		45	39	33	0			
Monday	9		49	41	33	T	AMD		Well readings completed.
Tuesday	10	Rain	50	45	40	T	AMD	Bronx Welding.	M1-sampler set up. Propane tank delivered.
Wednesday	11		52	45	38	0	AMD		M-1 sampling completed. New locks on groundwater wells.
Thursday	12		60	53	46	0	AMD		FCS-1 inspection completed.
Friday	13		82	71	59	0	AMD	Aldona	Checked out flare alarm. GWL-2 inspection completed.
Saturday	14		69	57	45	T			
Sunday	15	Rain	46	43	39	0.36			
Monday	16	Rain , Thunderstorm	61	51	40	2.5	AMD,KR,BK		Heavy rain.
Tuesday	17		47	44	40	T	AMD		Post storm report. SMS-2 inspection completed.
Wednesday	18		55	47	39	0	AMD		Perimeter surface gas inspection completed.
Thursday	19	Rain	48	44	40	0.15	AMD		Trash pickup.
Friday	20		50	44	38	0	AMD	DEC/Parks	Parks people DEC on site.
Saturday	21		62	52	41	0			
Sunday	22		65	56	46	0			
Monday	23		65	55	45	0	AMD		SMS-1 inspection completed. Repair new holes in fenceline.
Tuesday	24	Rain	66	56	46	0.03	AMD	Walton Electric	Mowing front end. Fix wiring of pumps LFT station 1.
Wednesday	25	Fog , Rain	61	56	50	0.51	AMD		Rain.
Thursday	26	Rain	70	62	53	0.17	AMD		SMS-3 inspection completed.
Friday	27	Rain	57	53	49	0.05	AMD		Trash pickup.
Saturday	28	Rain	66	59	51	0.07			
Sunday	29	Rain	58	54	50	0.15			
Monday	30	Rain	50	48	46	0	AMD		Mowing front end.

PELHAM BAY LANDFILL

Daily Operations Monthly Report - Weather and General Comments

Month: May 2018

	Date	Weather	Ambient Temp. (°F)			Precip. (in)	OM&M Personnel On Site	Visitors	Comments
			High	Avg.	Low				
Tuesday	1		82	66	50	0	AMD		Fence repair.
Wednesday	2		90	78	65	0	AMD		AS-1 inspection completed. Road mowing.
Thursday	3	Rain	93	82	70	0.01	AMD		FCS-1 inspection completed. Road mowing.
Friday	4		84	76	68	0	AMD		GWL-2 inspection completed.
Saturday	5	Rain	76	69	61	T			
Sunday	6		68	61	54	T			
Monday	7		75	66	56	0	AMD		M-1 sampler set up. Weedwacked lift station 2.
Tuesday	8		72	63	54	0	AMD		M-1 sampling completed.
Wednesday	9		74	64	54	0	AMD	Bronx Welding	Mowing front end. 2 nitrogen tanks delivered.
Thursday	10	Rain , Thunderstorm	66	61	56	0.19	AMD		Mowing around tank area.
Friday	11		72	66	60	0	AMD		SMS-1 inspection completed. Road mowing.
Saturday	12	Rain	64	59	53	0.2			
Sunday	13	Rain	56	54	52	0.08			
Monday	14	Rain	71	62	52	0.02	AMD		Road mowing.
Tuesday	15	Fog , Rain , Thunderstorm	92	76	60	0.44	AMD		Weedwacked lower wells.
Wednesday	16	Fog , Rain	65	60	55	0.42	AMD		Weedwacked baffles. Upper road mowing.
Thursday	17	Fog , Rain	73	64	55	0.24	AMD		Well readings completed.
Friday	18		67	62	56	0	AMD		Weedwacked upper wells.
Saturday	19	Fog , Rain	56	53	50	0.64			
Sunday	20	Fog	84	70	55	0			
Monday	21		79	70	60	0	AMD		Weedwacked lift station 2. SMS-2 inspection completed.
Tuesday	22	Rain	70	63	56	0.21	AMD		Mowing front end.
Wednesday	23	Rain	82	70	57	0.21	AMD		SMS-3 inspection completed.
Thursday	24		86	76	66	0	AMD		SP-drains weedwacked.
Friday	25		89	79	68	0	AMD		Trash pickup.
Saturday	26	Thunderstorm	92	84	75	0			
Sunday	27	Rain , Thunderstorm	82	69	56	0.53			
Monday	28	Rain	70	63	56	T			Holiday.
Tuesday	29		87	75	63	0	AMD		Mowing front end. LFG-4 inspection completed.
Wednesday	30	Fog , Rain	77	69	60	T	AMD		Mowing around tank area.
Thursday	31	Fog , Rain	70	66	62	0.05	AMD		Mowing lower road.

PELHAM BAY LANDFILL

Daily Operations Monthly Report - Weather and General Comments

Month: June 2018

	Date	Weather	Ambient Temp. (°F)			Precip. (in)	OM&M Personnel On Site	Visitors	Comments
			High	Avg.	Low				
Friday	1	Rain	81	73	65	0.27	AMD		Fence repair.
Saturday	2	Rain	87	77	66	0.08			
Sunday	3	Rain	66	59	51	0.25			
Monday	4	Rain	71	61	51	0.16	AMD		AS-1 inspection completed. Mowing middle road.
Tuesday	5	Partly cloudy	75	67	58	0	AMD		Wells weedwacked.
Wednesday	6	Mostly cloudy	71	65	58	0	AMD		FCS-1 inspection completed. Well readings completed.
Thursday	7	Partly sunny	71	66	60	0	AMD, MOG		Weedwacked station 2.
Friday	8	Mostly sunny	82	71	60	0	AMD		GWL-2 inspection completed. Mowing front end.
Saturday	9	Clear	83	75	67	0			
Sunday	10	Rain	73	66	58	0.01			
Monday	11	Rain	73	66	58	0	AMD		M-1 sampler set up. Weedwacked around station 2.
Tuesday	12	Clear	75	66	57	0	AMD		M-1 sampling completed.
Wednesday	13	Rain	78	71	63	0.04	AMD		SMS-1 inspection completed. Weedwacked all baffles.
Thursday	14	Rain	84	76	67	0	AMD,PJ,VP DF		Working on check valve.
Friday	15	Partly cloudy	76	70	63	0	AMD,VP	PDIR	Calibration of D-1 Flow Meter
Saturday	16	Clear	85	75	64	0			
Sunday	17	Clear	91	79	66	0			
Monday	18	Rain	91	82	73	0.08	AMD,MOG		Weedwacked SP-drains.
Tuesday	19	Rain	88	82	75	0.07	AMD		SMS-2 inspection completed.
Wednesday	20	Mostly sunny	83	76	69	0.09	AMD		Weedwacked front end.
Thursday	21	Rain	83	74	65	0.59	AMD		Weedwacked tank area. Trash pick up.
Friday	22	Rain	75	69	62	0.1	AMD	Bronx Welding	SMS-3 inspection completed. 2- nitrogen tanks delivered.
Saturday	23	Rain	65	64	62	0			
Sunday	24	Rain	83	75	66	0			
Monday	25	Mostly sunny	81	74	67	0	AMD		Weedwacked station 2
Tuesday	26	Clear	78	70	61	0	AMD		Weeded flare area.
Wednesday	27	Rain	73	69	66	0.01	AMD		LFG-4 inspection completed. Weedwacked around flare fenceline.
Thursday	28	Rain	83	77	70	1.36	AMD		Trash pickup.
Friday	29	Clear	89	80	70	0	AMD		Weedwacked tank area bank.
Saturday	30	Sunny	93	83	72	0			

PELHAM BAY LANDFILL

Daily Operations Monthly Report - Weather and General Comments

Month: July 2018

	Date	Weather	Ambient Temp. (°F)			Precip. (in)	OM&M Personnel On Site	Visitors	Comments
			High	Avg.	Low				
Sunday	1		96	88	79	0			
Monday	2	Fair	95	87	79	0	AMD		Fence repair.
Tuesday	3	Fair, haze	92	85	77	0.01	AMD		AS-1 inspection completed.
Wednesday	4		86	82	77	0			Holiday.
Thursday	5	Mostly cloudy, breaking sun in pm	90	83	76	0	AMD	Bronx Welding	FCS-1 inspection completed. Propane tank delivered.
Friday	6	Rain, cloudy	80	75	69	0.23	AMD		GWL-2 inspection completed.
Saturday	7		78	70	62	0			
Sunday	8		84	73	62	0			
Monday	9	Fair	87	77	67	0	AMD		Weedwacked all wells. GWL-3 inspection completed.
Tuesday	10	Fair	93	83	72	0	AMD		LFG-3 inspection completed.
Wednesday	11	Fair	88	81	74	0	AMD		Mowing front end.
Thursday	12	Rain, fog, cloudy	84	74	64	0.71	AMD		SMS-1 inspection completed. Mowing around tank area.
Friday	13	Fair	84	76	68	0	AMD		Extraction well readings completed.
Saturday	14		88	79	70	0.36			
Sunday	15		83	76	69	0.64			
Monday	16	Fair	90	83	75	0	AMD		SMS-1 inspection completed. Nitrogen tank changed at flare.
Tuesday	17	Fair AM, clouds and rain in PM	88	79	70	2.24	VP,MOG,EM		Calibrated gem.
Wednesday	18	Fair	85	76	66	0	AMD		Mowed lower road.
Thursday	19	Fair	83	75	66	0	AMD		Weedwacked lift station 2.
Friday	20	Fair, passing clouds	82	76	69	0	AMD		LFG-4 inspection completed.
Saturday	21		79	72	65	0.63			
Sunday	22		79	75	70	1.06			
Monday	23	Cloudy, light rain	80	77	73	0.17	AMD		M-1 sampler set up.
Tuesday	24	Cloudy	82	79	75	0.02	AMD		M-1 sampling completed.
Wednesday	25	Cloudy, rain	77	75	72	0.73	AMD		Trash pickup.
Thursday	26	Mostly cloudy, passing rain in am	85	79	72	0.03	AMD		SP- drains weedwacked.
Friday	27	Fair	86	77	68	0.25	AMD		SMS-3 inspection completed.
Saturday	28		85	78	70	0			
Sunday	29		82	76	70	0			
Monday	30	Fair	78	73	68	0.37	AMD		Mowed front end.
Tuesday	31	Fair	82	75	68	0	AMD		Mowed around tank area.

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Daily Operations Monthly Report - Weather and General Comments

Month: August 2018

	Date	Weather	Ambient Temp. (°F)			Precip. (in)	Personnel On Site	Visitors	Comments
			High	Avg.	Low				
Wednesday	1	Day break light rain, cloudy	84	79	74	0.1	AMD		Fence repair.
Thursday	2	Fair am, cloudy pm, heavy rain in evening	86	81	76	0.51	AMD		AS-1 inspection completed.
Friday	3	Mostly cloudy, afternoon rain	85	79	73	0.24	AMD		Mowing middle and upper roads.
Saturday	4		84	78	72	0.74			
Sunday	5		91	82	73	0			
Monday	6	Mostly sunny	92	85	77	0	AMD		LFG-2 extraction well readings completed.
Tuesday	7	Fair, haze, evening rain	90	82	74	0.05	AMD		FCS-1 inspection completed.
Wednesday	8	Mostly sunny	90	83	76	0	AMD		Weedwacked all wells.
Thursday	9	Heavy rain overnight, Fair, passing clouds	86	80	73	0.61	AMD		GWL-2 inspection completed.
Friday	10	Mostly sunny	86	79	72	0	AMD	Bronx welding	Weedwacked electrical cages. Two nitrogen tanks delivered.
Saturday	11		80	75	70	2.9			
Sunday	12		84	78	72	0			
Monday	13	Rain, heavy at times	75	73	71	0.66	AMD		Mowed lower road.
Tuesday	14	Fog, partly cloudy, afternoon rain	82	77	71	0.79	AMD		Mowed around Lift Station No. 2
Wednesday	15	Sunny	86	78	70	0	AMD,MOG,VP	BBL Trucking	Mowed around tank area. Semi-annual landfill mowing.
Thursday	16	Sunny	88	82	76	0	AMD,MG	BBL Trucking	Mowing of front end. Semi-annual landfill mowing completed. M-1 sampling.
Friday	17	Sunny, hazy, evening rain	87	80	72	1.04	AMD		M-1 sampling completed.
Saturday	18		85	78	71	0.07			
Sunday	19		72	70	67	0.02			
Monday	20	Cloudy, drizzle	74	71	67	0	AMD		SMS-1 inspection completed.
Tuesday	21	Cloudy, breakthrough sun, midnight rain	79	73	66	0.11	AMD		Weedwacked station -2.
Wednesday	22	Overnight rain, mostly cloudy	82	77	71	0.72	AMD		Trash pickup.
Thursday	23	Mostly sunny	77	71	65	0	AMD		SMS-2 inspection completed
Friday	24	Fair and sunny	82	74	65	0	AMD		Weedwacked tank area.
Saturday	25		80	74	68	0			
Sunday	26		83	76	69	0			
Monday	27	Sunny and clear	88	81	74	0	AMD		SMS-3 inspection completed.
Tuesday	28	Haze, fair and clear	94	87	79	0	AMD		Weedwacked all 22 extraction wells.
Wednesday	29	Fair and clear	92	87	81	0	AMD		Road mowing.
Thursday	30	Mostly sunny	90	84	78	0	AMD		LFG-4 perimeter soil gas monitoring completed.
Friday	31	Cloudy, evening rain	78	74	69	0.03	AMD		Weewacked all SP-drains. Changed nitrogen tank at flare.

PELHAM BAY LANDFILL

Daily Operations Monthly Report - Weather and General Comments

Month: September 2018

	Date	Weather	Ambient Temp. (°F)			Precip. (in)	OM&M Personnel On Site	Visitors	Comments
			High	Avg.	Low				
Saturday	1		78	74	69	0			
Sunday	2		81	75	68	0			
Monday	3		90	83	75	0			Holiday.
Tuesday	4	Mostly Sunny	92	85	77	0	AMD		Fence repair. AS-1 inspection completed.
Wednesday	5	Mostly cloudy	89	83	77	0	AMD		Mowing around tank area.
Thursday	6	Rain	93	83	73	0.36	AMD		M-1 sampler set up. FCS-1 inspection completed.
Friday	7	Mostly Cloudy	75	72	69	0	AMD		M-1 sampling completed.
Saturday	8		71	66	61	0.02			
Sunday	9		62	59	55	0.45			
Monday	10	Rain	64	59	54	0.93	AMD		Trash pick up.
Tuesday	11	Light rain	74	68	62	0.02	AMD		GWL-2 inspection completed. Mowing lower road.
Wednesday	12	Rain	77	74	71	0.15	AMD	PDIR	Calibration of D-1 flow meter. Mowing of lower road completed.
Thursday	13	Rain	76	73	69	0.13	AMD		Mowing middle road.
Friday	14	Cloudy	75	72	68	0	AMD		Mowing upper road and around upper wells.
Saturday	15		80	74	67	0			
Sunday	16		84	76	67	0			
Monday	17	Cloudy	79	74	68	0.01	AMD		SMS-1 inspection completed.
Tuesday	18	Rain	79	75	70	1.19	AMD		Weedwacked baffles.
Wednesday	19	Partly sunny	81	75	68	0	AMD		LFG extraction well readings completed.
Thursday	20	Mostly cloudy	72	69	65	0	AMD		Weedwacked Lift Station 2.
Friday	21	Cloudy	72	70	67	0	AMD,PSJ,MOG		SMS-2 inspection completed. Meeting: Parks, TRC, Stratis
Saturday	22		74	68	62	0			
Sunday	23		66	63	60	0			
Monday	24	Partly Sunny	69	63	57	0	AMD		LFG-4 inspection completed.
Tuesday	25	Rain	73	66	59	1.95	AMD		Changed nitrogen tank at flare.
Wednesday	26	Rain	82	76	69	0.21	AMD		SMS-3 inspection completed.
Thursday	27	Partly Sunny	72	67	61	0	AMD	Bronx Welding	Delivery of 2 nitrogen tanks.
Friday	28	Rain	65	61	56	0.77	AMD		Trash pickup.
Saturday	29		72	65	58	0			
Sunday	30		70	62	54	0			

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Daily Operations Monthly Report - Weather and General Comments

Month: October 2018

	Date	Weather	Ambient Temp. (°F)			Precip. (in)	OM&M Personnel On Site	Visitors	Comments
			High	Avg.	Low				
Monday	1	Mostly cloudy	76	70	63	0	AMD		Fence repair.
Tuesday	2	Partly cloudy	77	71	65	0.69	AMD		Weedwacked front end. AS-1 inspection completed.
Wednesday	3	Sunny	74	69	63	0	AMD		Mowed around tank area. FCS-1 inspection completed.
Thursday	4	Fair	76	69	61	0.04	AMD		GWL-2 inspection completed.
Friday	5	Partly cloudy	71	66	60	0	AMD		GWL-3 inspection completed, Mowing upper road.
Saturday	6		68	66	63	0			
Sunday	7		79	73	67	0			
Monday	8	Cloudy	74	69	64	0	AMD		LFG-3 quarterly inspection completed.
Tuesday	9	Mostly cloudy	77	72	66	0	AMD		Weedwacked electrical cages.
Wednesday	10	Partly cloudy	80	76	71	0	AMD, MOG		Surface gas monitoring completed.
Thursday	11	Cloudy, rain	77	73	69	0.84	AMD		Leaf cleanup in parking lot.
Friday	12	Early light rain, then sunny	68	60	51	0.43	AMD		LFG-4 inspection completed.
Saturday	13		55	51	46	0.1			
Sunday	14		58	53	47	0			
Monday	15	Cloudy, drizzle	68	60	52	0.05	AMD, PT, CT		Repair of entrance stairs on site trailers.
Tuesday	16	Sunny	60	54	47	0.01	AMD, PT, CT		Repair of entrance stairs on site trailers. SMS-1 inspection completed.
Wednesday	17	Fair	61	54	46	0	AMD, PT, CT		Repair of entrance stairs on site trailers. Replaced flare Nitrogen tank.
Thursday	18	Fair	50	46	42	0	AMD, PT, CT		Repair of entrance stairs on site trailers. SMS-2 inspection completed.
Friday	19	Sunny	60	52	43	0	EM		
Saturday	20		62	57	51	0.06			
Sunday	21		51	45	39	0			
Monday	22	Partly cloudy	50	45	39	0	AMD		Weedwacked around tank area.
Tuesday	23	Mostly cloudy	63	56	49	0	AMD		Weedwacked upper wells.
Wednesday	24	Mostly cloudy	54	49	44	0	AMD		Extraction well monitoring completed.
Thursday	25	Sunny	51	46	40	0	AMD		Trash pickup.
Friday	26	Fair	50	44	38	0	AMD		Weedwacked lower wells.
Saturday	27		51	48	44	1.27			
Sunday	28		52	49	45	0.06			
Monday	29	Cloudy	56	52	47	0.04	AMD		SMS-3 inspection completed.
Tuesday	30	Sunny	55	49	42	0	AMD		Weedwacked front end.
Wednesday	31	Fair	64	54	44	0	AMD		Tree cutting along fenceline.

PELHAM BAY LANDFILL

Daily Operations Monthly Report - Weather and General Comments

Month: November 2018

	Date	Weather	Ambient Temp. (°F)			Precip. (in)	OM&M Personnel On Site	Visitors	Comments
			High	Avg.	Low				
Thursday	1	Mostly sunny	70	64	57	0	AMD,VP,MOG	Walton Electric, Accent PDIR	Replacement of the D-1 Flow Meter.
Friday	2	Cloudy	72	68	64	0.22	AMD		AS-1 inspection completed.
Saturday	3		65	57	48	0.37			
Sunday	4		55	49	43	0			
Monday	5	Cloudy, rain	53	51	48	0.3	AMD		Fence repair.
Tuesday	6	Rain	59	54	49	0.68			Holiday.
Wednesday	7	Mostly sunny	62	57	51	0		Arborscape	Fenceline herbicide application. GWL-2 inspection completed.
Thursday	8	Clear	56	51	45	0	AMD		FCS-1 inspection completed.
Friday	9	Cloudy, late day rain	52	46	40	0.77	AMD	Bronx Welding	Trash pickup. Delivery of 2 nitrogen tanks.
Saturday	10		50	42	34	0.03			
Sunday	11		46	40	33	0			
Monday	12	Cloudy	49	43	37	0.04	AMD		Tree cutting along fenceline.
Tuesday	13	Cloudy, rain	50	47	43	1.06	AMD		Leaf cleanup.
Wednesday	14	Mostly sunny	43	38	32	0	AMD		LFG-4 inspection completed.
Thursday	15	Snow	38	33	28	1.16	AMD		Trash pickup.
Friday	16	Cloudy, rain	45	40	34	0.31	AMD		Snow cleanup.
Saturday	17		47	42	37	0			
Sunday	18		44	42	39	0			
Monday	19	Partly sunny	50	49	47	0	AMD		SMS-1 inspection completed.
Tuesday	20	Cloudy, haze, light rain	47	43	39	0	AMD		Well readings completed.
Wednesday	21	Mostly cloudy	44	36	27	0	AMD		Trash pickup.
Thursday	22	Sunny, clear	28	23	17	0			Holiday.
Friday	23	Sunny, clear	32	24	15	0	AMD		Tree cutting along fenceline.
Saturday	24		49	40	31	0.97			
Sunday	25		55	50	45	0.81			
Monday	26	Cloudy, late day rain	53	49	45	0.85	AMD		SMS-2 inspection completed.
Tuesday	27	Cloudy	45	41	37	0.03	AMD		Leaf cleanup.
Wednesday	28	Cloudy	42	39	36	0	AMD		Tree cutting along fenceline.
Thursday	29	Partly sunny	46	42	38	0	AMD, PJ, DF		SMS-3 inspection completed. Started tank area fence demo. Pace Lab Inspection.
Friday	30	Cloudy, light rain	43	41	38	0.02	AMD, PJ	Utility Survey Corp.	Utility markout around tank area.

PELHAM BAY LANDFILL

Daily Operations Monthly Report - Weather and General Comments

Month: December 2018

	Date	Weather	Ambient Temp. (°F)			Precip. (in)	OM&M Personnel On Site	Visitors	Comments
			High	Avg.	Low				
Saturday	1		46	41	36	0.05			
Sunday	2		56	49	42	0.59			
Monday	3	Partly cloudy	55	51	46	0	AMD		Fence repair.
Tuesday	4	Partly cloudy	46	39	31	0	AMD,DF,LT		Removal of fence around tank area. AS-1 inspection completed.
Wednesday	5	Clear	37	33	28	0	AMD,DF,LT		Removal of fence around tank area. FCS-1 inspection completed.
Thursday	6	Mostly sunny	40	35	30	0	EM, MOG, DF, LT		Removal of fence around tank area. Gas meter calibration. Lubricated the louvers and valves at the Flare Station. Failed attempts to start flare due to blower faults, set on manual once going back on auto, adjusted discharge valve to drop flow from 2,480 to 1260 scfm. FDNY inspectionwas cancelled.
Friday	7	Mostly sunny	39	34	28	0	AMD,DF,LT		Removal of fence around tank area. GWL-2 inspection completed.
Saturday	8		36	30	24	0			
Sunday	9		36	32	28	0			
Monday	10	Clear	39	34	29	0	EM,DF,LT		Removal of fence around tank area.
Tuesday	11	Mostly sunny	41	35	29	0	EM		Adjusted blower valves.Trash pickup and cleaned flare station panels.
Wednesday	12	Partly cloudy	41	37	33	0	EM		Leaf cleanup.
Thursday	13	Wintry mix	40	37	33	0.03	EM		Inspections completed. Problems running flare.
Friday	14	Cloudy	51	46	40	0.1	AMD		SMS-1 inspection completed.
Saturday	15		52	49	46	0.14			
Sunday	16		46	41	35	1.43			
Monday	17	Partly cloudy	46	42	37	0.03	AMD		Trash pickup.
Tuesday	18	Mostly sunny	40	34	28	0	AMD		SMS-2 inspection completed.
Wednesday	19	Clear	42	34	26	0	AMD		LFG-4 inspection completed.
Thursday	20	Fair	47	42	37	0.21	AMD		Cleaned storage shed.
Friday	21	Heavy Rain	61	54	47	1.62	AMD		Heavy rain.
Saturday	22		54	47	40	0.02			
Sunday	23		43	40	36	0			
Monday	24	Cloudy, light rain	43	40	36	0.12	AMD		SMS-3 inspection completed.
Tuesday	25		40	37	33	0			HOLIDAY
Wednesday	26	Partly cloudy	43	38	32	0	AMD		Trash pickup.
Thursday	27	Partly cloudy	44	41	37	0	AMD		Tree cutting along fenceline.
Friday	28	Rain	60	52	43	1.15	AMD		
Saturday	29		57	48	39	0			
Sunday	30		40	37	33	0			
Monday	31	Cloudy, afternoon light rain	47	42	36	0.99	AMD		Extraction Well readings completed.

D: Analytical Results for Groundwater Sampling

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

February 08, 2018

Vincent G. Pelusio
Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566

RE: Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Dear Vincent Pelusio:
Enclosed are the analytical results for sample(s) received by the laboratory between January 24, 2018 and January 25, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Jennifer Aracri
jennifer.aracri@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: Emile Mclean, Stratis Contracting Corp.
Keith Robinson, Stratis Contracting Corp.

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CERTIFICATIONS

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Long Island Certification IDs

575 Broad Hollow Rd, Melville, NY 11747
New York Certification #: 10478 Primary Accrediting Body
New Jersey Certification #: NY158
Pennsylvania Certification #: 68-00350
Connecticut Certification #: PH-0435
Maryland Certification #: 208
Rhode Island Certification #: LAO00340
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Method: **EPA 8081B**
Description: 8081 GCS Pesticides
Client: Stratis Contracting Corp.
Date: February 08, 2018

General Information:
9 samples were analyzed for EPA 8081B. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3510C with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: 55638

L1: Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

- LCS (Lab ID: 256249)
  - 4,4'-DDD
  - 4,4'-DDE
  - 4,4'-DDT
  - Dieldrin
  - Endrin
  - Heptachlor epoxide
  - Methoxychlor
  - alpha-BHC
  - alpha-Chlordane
  - gamma-BHC (Lindane)
  - gamma-Chlordane

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

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PROJECT NARRATIVE

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Method: **EPA 8081B**
Description: 8081 GCS Pesticides
Client: Stratis Contracting Corp.
Date: February 08, 2018

QC Batch: 54803

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7041247008

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MSD (Lab ID: 252561)
  - Toxaphene

QC Batch: 54803

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7041247008

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MSD (Lab ID: 252561)
  - Toxaphene

Additional Comments:

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PROJECT NARRATIVE

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Method: **EPA 8082A**
Description: 8082 GCS PCB
Client: Stratis Contracting Corp.
Date: February 08, 2018

General Information:
9 samples were analyzed for EPA 8082A. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3510C with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 54337

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7041247008

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 250915)
  - PCB-1016 (Aroclor 1016)

Additional Comments:

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PROJECT NARRATIVE

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Method: **EPA 200.7**
Description: 200.7 Metals, Total
Client: Stratis Contracting Corp.
Date: February 08, 2018

General Information:
9 samples were analyzed for EPA 200.7. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 200.7 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 54288

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7041307001,7041311001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 250695)
  - Copper
  - Sodium

QC Batch: 54436

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7041247007,7041247008

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 251205)
  - Calcium
- MS (Lab ID: 251207)
  - Calcium
  - Magnesium
  - Selenium

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

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PROJECT NARRATIVE

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Method: **EPA 200.7**
Description: 200.7 Metals, Total
Client: Stratis Contracting Corp.
Date: February 08, 2018

Additional Comments:

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PROJECT NARRATIVE

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Method: **EPA 200.7**
Description: 200.7 Metals, Dissolved
Client: Stratis Contracting Corp.
Date: February 08, 2018

General Information:
9 samples were analyzed for EPA 200.7. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 55400

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7041247008

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 255465)
  - Calcium, Dissolved
  - Magnesium, Dissolved
  - Silver, Dissolved
  - Sodium, Dissolved

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Method: **EPA 245.1**
Description: 245.1 Mercury
Client: Stratis Contracting Corp.
Date: February 08, 2018

General Information:
9 samples were analyzed for EPA 245.1. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 245.1 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

QC Batch: 54293

B: Analyte was detected in the associated method blank.
- BLANK for HBN 54293 [MERP/1715 (Lab ID: 250715)
  - Mercury

QC Batch: 54442

B: Analyte was detected in the associated method blank.
- BLANK for HBN 54442 [MERP/1718 (Lab ID: 251226)
  - Mercury

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Method: **EPA 245.1**
Description: 245.1 Mercury, Dissolved
Client: Stratis Contracting Corp.
Date: February 08, 2018

General Information:
9 samples were analyzed for EPA 245.1. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 245.1 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

QC Batch: 54292

B: Analyte was detected in the associated method blank.
- BLANK for HBN 54292 [MERP/1714 (Lab ID: 250711)
  - Mercury, Dissolved

QC Batch: 54441

B: Analyte was detected in the associated method blank.
- BLANK for HBN 54441 [MERP/1717 (Lab ID: 251222)
  - Mercury, Dissolved

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Method: **EPA 8270D**
Description: 8270 MSSV
Client: Stratis Contracting Corp.
Date: February 08, 2018

General Information:
9 samples were analyzed for EPA 8270D. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3510C with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

QC Batch: 54067

IC: The initial calibration for this compound was outside of method control limits. The result is estimated.

- BLANK (Lab ID: 249623)
  - Hexachlorocyclopentadiene
- DUP (Lab ID: 249992)
  - Hexachlorocyclopentadiene
- LCS (Lab ID: 249624)
  - Hexachlorocyclopentadiene
- MS (Lab ID: 249991)
  - Hexachlorocyclopentadiene
- MW-106 (Lab ID: 7041247001)
  - Hexachlorocyclopentadiene
- MW-119 (Lab ID: 7041247003)
  - Hexachlorocyclopentadiene
- MW-122 (Lab ID: 7041247005)
  - Hexachlorocyclopentadiene
- MW-133 (Lab ID: 7041247002)
  - Hexachlorocyclopentadiene

IH: This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.

- MS (Lab ID: 249991)
  - Hexachlorocyclopentadiene

QC Batch: 54308

IC: The initial calibration for this compound was outside of method control limits. The result is estimated.

- BLANK (Lab ID: 250782)
  - 4-Nitrophenol
  - Hexachlorocyclopentadiene
- BLIND DUPLICATE (Lab ID: 7041247009)
  - 4-Nitrophenol
  - Hexachlorocyclopentadiene
- LCS (Lab ID: 250783)

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PROJECT NARRATIVE

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Method: **EPA 8270D**
Description: 8270 MSSV
Client: Stratis Contracting Corp.
Date: February 08, 2018

QC Batch: 54308

IC: The initial calibration for this compound was outside of method control limits. The result is estimated.

- 4-Nitrophenol
- Hexachlorocyclopentadiene

- MS (Lab ID: 250784)
  - 4-Nitrophenol
  - Hexachlorocyclopentadiene
- MSD (Lab ID: 250785)
  - 4-Nitrophenol
  - Hexachlorocyclopentadiene
- MW-104 (Lab ID: 7041247011)
  - 4-Nitrophenol
  - Hexachlorocyclopentadiene
- MW-110 (Lab ID: 7041247010)
  - 4-Nitrophenol
  - Hexachlorocyclopentadiene
- MW-120 (Lab ID: 7041247007)
  - 4-Nitrophenol
  - Hexachlorocyclopentadiene
- MW-120-B (Lab ID: 7041247008)
  - 4-Nitrophenol
  - Hexachlorocyclopentadiene

IH: This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.

- BLANK (Lab ID: 250782)
  - Hexachlorocyclopentadiene
- LCS (Lab ID: 250783)
  - Hexachlorocyclopentadiene
  - Pentachlorophenol
- MS (Lab ID: 250784)
  - Hexachlorocyclopentadiene
  - Pentachlorophenol
- MSD (Lab ID: 250785)
  - Hexachlorocyclopentadiene
  - Pentachlorophenol
- MW-120-B (Lab ID: 7041247008)
  - Hexachlorocyclopentadiene
  - Pentachlorophenol

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

QC Batch: 54067

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

- LCS (Lab ID: 249624)
  - 2,4-Dinitrophenol

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PROJECT NARRATIVE

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Method: **EPA 8270D**
Description: 8270 MSSV
Client: Stratis Contracting Corp.
Date: February 08, 2018

QC Batch: 54067

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

- 4,6-Dinitro-2-methylphenol
- Benzo(g,h,i)perylene
- Dibenz(a,h)anthracene
- Indeno(1,2,3-cd)pyrene

- MS (Lab ID: 249991)
  - 2,4-Dinitrophenol
  - 4,6-Dinitro-2-methylphenol
  - Benzo(g,h,i)perylene
  - Dibenz(a,h)anthracene
  - Indeno(1,2,3-cd)pyrene
- MW-106 (Lab ID: 7041247001)
  - Benzo(g,h,i)perylene
  - Dibenz(a,h)anthracene
  - Indeno(1,2,3-cd)pyrene

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- BLANK (Lab ID: 249623)
  - Hexachlorocyclopentadiene
- DUP (Lab ID: 249992)
  - Hexachlorocyclopentadiene
- LCS (Lab ID: 249624)
  - Hexachlorocyclopentadiene
- MS (Lab ID: 249991)
  - Hexachlorocyclopentadiene
- MW-106 (Lab ID: 7041247001)
  - Hexachlorocyclopentadiene
- MW-119 (Lab ID: 7041247003)
  - Hexachlorocyclopentadiene
- MW-122 (Lab ID: 7041247005)
  - Hexachlorocyclopentadiene
- MW-133 (Lab ID: 7041247002)
  - Hexachlorocyclopentadiene

QC Batch: 54308

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

- MS (Lab ID: 250784)
  - 2-Methylphenol(o-Cresol)
- MSD (Lab ID: 250785)
  - 2-Methylphenol(o-Cresol)
- MW-120-B (Lab ID: 7041247008)
  - 2-Methylphenol(o-Cresol)

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- BLANK (Lab ID: 250782)
  - 4-Chloroaniline
- BLIND DUPLICATE (Lab ID: 7041247009)

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PROJECT NARRATIVE

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Method: **EPA 8270D**
Description: 8270 MSSV
Client: Stratis Contracting Corp.
Date: February 08, 2018

QC Batch: 54308

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- 4-Chloroaniline
- LCS (Lab ID: 250783)
  - 4-Chloroaniline
- MS (Lab ID: 250784)
  - 2-Nitroaniline
  - Hexachlorocyclopentadiene
- MSD (Lab ID: 250785)
  - 2-Nitroaniline
  - Hexachlorocyclopentadiene
- MW-104 (Lab ID: 7041247011)
  - 2-Nitroaniline
  - Hexachlorocyclopentadiene
- MW-110 (Lab ID: 7041247010)
  - 4-Chloroaniline
- MW-120 (Lab ID: 7041247007)
  - 4-Chloroaniline
- MW-120-B (Lab ID: 7041247008)
  - 4-Chloroaniline

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: 54067

L1: Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

- LCS (Lab ID: 249624)
  - 2,4-Dinitrophenol
  - Hexachlorocyclopentadiene

QC Batch: 54308

L1: Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

- LCS (Lab ID: 250783)
  - 2,4-Dinitrophenol
  - Hexachloro-1,3-butadiene

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PROJECT NARRATIVE

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Method: **EPA 8270D**
Description: 8270 MSSV
Client: Stratis Contracting Corp.
Date: February 08, 2018

QC Batch: 54308

L1: Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

- Hexachlorocyclopentadiene
- N-Nitrosodiphenylamine
- Pentachlorophenol
- bis(2-Chloroethoxy)methane

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 54067

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7041247001

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 249991)
  - 2,4-Dinitrophenol

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 249991)
  - 3,3'-Dichlorobenzidine
  - 4-Nitroaniline

QC Batch: 54308

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7041247008

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MSD (Lab ID: 250785)
  - 2,4-Dinitrophenol
  - N-Nitrosodiphenylamine

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 250784)
  - 3,3'-Dichlorobenzidine
- MSD (Lab ID: 250785)
  - 3,3'-Dichlorobenzidine

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Method: **EPA 8270D**
Description: TIC MSSV Water
Client: Stratis Contracting Corp.
Date: February 08, 2018

General Information:
1 sample was analyzed for EPA 8270D. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Method: **EPA 8260C/5030C**
Description: 8260C Volatile Organics
Client: Stratis Contracting Corp.
Date: February 08, 2018

General Information:
11 samples were analyzed for EPA 8260C/5030C. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

QC Batch: 54339

CH: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

- LCS (Lab ID: 250918)
  - 2-Hexanone
  - Acetone
  - Bromochloromethane
- MS (Lab ID: 250924)
  - 2-Hexanone
  - Acetone
  - Bromochloromethane
- MSD (Lab ID: 250925)
  - 2-Hexanone
  - Acetone
  - Bromochloromethane
- MW-122 (Lab ID: 7041247005)
  - Acetone

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- BLANK (Lab ID: 250917)
  - Chloromethane
- BLIND DUPLICATE (Lab ID: 7041247009)
  - Chloromethane
- LCS (Lab ID: 250918)
  - Chloromethane
- MS (Lab ID: 250924)
  - Chloromethane
- MSD (Lab ID: 250925)
  - Chloromethane
- MW-104 (Lab ID: 7041247011)
  - Chloromethane
- MW-106 (Lab ID: 7041247001)
  - Chloromethane
- MW-110 (Lab ID: 7041247010)

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PROJECT NARRATIVE

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Method: **EPA 8260C/5030C**
Description: 8260C Volatile Organics
Client: Stratis Contracting Corp.
Date: February 08, 2018

QC Batch: 54339

CL: The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.

- Chloromethane
- MW-119 (Lab ID: 7041247003)
  - Chloromethane
- MW-120 (Lab ID: 7041247007)
  - Chloromethane
- MW-120-B (Lab ID: 7041247008)
  - Chloromethane
- MW-122 (Lab ID: 7041247005)
  - Chloromethane
- MW-133 (Lab ID: 7041247002)
  - Chloromethane
- STORAGE BLANK (Lab ID: 7041247006)
  - Chloromethane
- TRIP BLANK (Lab ID: 7041247004)
  - Chloromethane

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: 54339

L1: Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

- LCS (Lab ID: 250918)
  - Bromochloromethane

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 54339

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7041247008

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 250924)
  - Bromochloromethane
- MSD (Lab ID: 250925)
  - Bromochloromethane

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PROJECT NARRATIVE

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Method: **EPA 8260C/5030C**
Description: 8260C Volatile Organics
Client: Stratis Contracting Corp.
Date: February 08, 2018

QC Batch: 54339

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7041247008

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MSD (Lab ID: 250925)
  - 1,1,1,2-Tetrachloroethane
  - Chlorobenzene
  - Dibromochloromethane
  - Ethylbenzene
  - Styrene

Additional Comments:

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PROJECT NARRATIVE

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Method: **EPA 8260**
Description: TIC MSV Water
Client: Stratis Contracting Corp.
Date: February 08, 2018

General Information:
9 samples were analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Method: **SM22 2320B**
Description: 2320B Alkalinity
Client: Stratis Contracting Corp.
Date: February 08, 2018

General Information:
6 samples were analyzed for SM22 2320B. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 54843

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7041538001

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 252656)
  - Alkalinity,Bicarbonate (CaCO3)

QC Batch: 54953

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7041247002

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 253288)
  - Alkalinity,Bicarbonate (CaCO3)

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 253288)
  - Alkalinity, Total as CaCO3

QC Batch: 55211

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7041247008

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 254639)
  - Alkalinity,Bicarbonate (CaCO3)

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 254639)
  - Alkalinity, Total as CaCO3

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Method: **SM22 2320B**
Description: 2320B Alkalinity
Client: Stratis Contracting Corp.
Date: February 08, 2018

General Information:
3 samples were analyzed for SM22 2320B. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 55209

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7041245003

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 254631)
  - Alkalinity, Total as CaCO3

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

QC Batch: 55209

D6: The precision between the sample and sample duplicate exceeded laboratory control limits.

- DUP (Lab ID: 254630)
  - Alkalinity, Total as CaCO3

Additional Comments:

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PROJECT NARRATIVE

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Method: **SM22 2540C**
Description: 2540C Total Dissolved Solids
Client: Stratis Contracting Corp.
Date: February 08, 2018

General Information:
9 samples were analyzed for SM22 2540C. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Method: **EPA 410.4**
Description: 410.4 COD
Client: Stratis Contracting Corp.
Date: February 08, 2018

General Information:
9 samples were analyzed for EPA 410.4. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 410.4 with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 54572

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7041033001,7041247008

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 251607)
  - Chemical Oxygen Demand

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

QC Batch: 54210

D6: The precision between the sample and sample duplicate exceeded laboratory control limits.

- DUP (Lab ID: 250299)
  - Chemical Oxygen Demand

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Method: **EPA 300.0**
Description: 300.0 IC Anions 28 Days
Client: Stratis Contracting Corp.
Date: February 08, 2018

General Information:
9 samples were analyzed for EPA 300.0. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Method: **EPA 351.2**
Description: 351.2 Total Kjeldahl Nitrogen
Client: Stratis Contracting Corp.
Date: February 08, 2018

General Information:
9 samples were analyzed for EPA 351.2. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 351.2 with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 54943

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7041247008,7041632002

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 253270)
  - Nitrogen, Kjeldahl, Total
- MS (Lab ID: 253272)
  - Nitrogen, Kjeldahl, Total

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Method: **EPA 353.2**
Description: 353.2 Nitrogen, NO2/NO3 pres.
Client: Stratis Contracting Corp.
Date: February 08, 2018

General Information:
9 samples were analyzed for EPA 353.2. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Method: **EPA 353.2**
Description: 353.2 Nitrogen, NO2
Client: Stratis Contracting Corp.
Date: February 08, 2018

General Information:
9 samples were analyzed for EPA 353.2. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Method: **SM22 4500 NH3 H**
Description: 4500 Ammonia Water
Client: Stratis Contracting Corp.
Date: February 08, 2018

General Information:
9 samples were analyzed for SM22 4500 NH3 H. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Method: **EPA 9014 Total Cyanide**
Description: 9014 Cyanide, Total
Client: Stratis Contracting Corp.
Date: February 08, 2018

General Information:
9 samples were analyzed for EPA 9014 Total Cyanide. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 9010C with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 55559

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 7041247008

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 256122)
  - Cyanide

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Sample: MW-106 **Lab ID: 7041247001** Collected: 01/24/18 08:40 Received: 01/24/18 14:51 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081B Preparation Method: EPA 3510C							
Aldrin	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/05/18 23:29	309-00-2	
alpha-BHC	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/05/18 23:29	319-84-6	
beta-BHC	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/05/18 23:29	319-85-7	
delta-BHC	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/05/18 23:29	319-86-8	
gamma-BHC (Lindane)	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/05/18 23:29	58-89-9	
alpha-Chlordane	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/05/18 23:29	5103-71-9	
gamma-Chlordane	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/05/18 23:29	5103-74-2	
4,4'-DDD	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/05/18 23:29	72-54-8	
4,4'-DDE	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/05/18 23:29	72-55-9	
4,4'-DDT	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/05/18 23:29	50-29-3	
Dieldrin	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/05/18 23:29	60-57-1	
Endosulfan I	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/05/18 23:29	959-98-8	
Endosulfan II	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/05/18 23:29	33213-65-9	
Endosulfan sulfate	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/05/18 23:29	1031-07-8	
Endrin	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/05/18 23:29	72-20-8	
Endrin aldehyde	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/05/18 23:29	7421-93-4	
Endrin ketone	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/05/18 23:29	53494-70-5	
Heptachlor	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/05/18 23:29	76-44-8	
Heptachlor epoxide	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/05/18 23:29	1024-57-3	
Methoxychlor	**<0.50**	ug/L	0.50	1	01/31/18 19:34	02/05/18 23:29	72-43-5	
Toxaphene	**<5.0**	ug/L	5.0	1	01/31/18 19:34	02/05/18 23:29	8001-35-2	
Surrogates								
Decachlorobiphenyl (S)	81	%	30-150	1	01/31/18 19:34	02/05/18 23:29	2051-24-3	
Tetrachloro-m-xylene (S)	69	%	30-150	1	01/31/18 19:34	02/05/18 23:29	877-09-8	
8082 GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3510C							
PCB-1016 (Aroclor 1016)	**<1.0**	ug/L	1.0	1	01/25/18 19:52	01/26/18 18:44	12674-11-2	
PCB-1221 (Aroclor 1221)	**<2.0**	ug/L	2.0	1	01/25/18 19:52	01/26/18 18:44	11104-28-2	
PCB-1232 (Aroclor 1232)	**<1.0**	ug/L	1.0	1	01/25/18 19:52	01/26/18 18:44	11141-16-5	
PCB-1242 (Aroclor 1242)	**<1.0**	ug/L	1.0	1	01/25/18 19:52	01/26/18 18:44	53469-21-9	
PCB-1248 (Aroclor 1248)	**<1.0**	ug/L	1.0	1	01/25/18 19:52	01/26/18 18:44	12672-29-6	
PCB-1254 (Aroclor 1254)	**<1.0**	ug/L	1.0	1	01/25/18 19:52	01/26/18 18:44	11097-69-1	
PCB-1260 (Aroclor 1260)	**<1.0**	ug/L	1.0	1	01/25/18 19:52	01/26/18 18:44	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	52	%	30-150	1	01/25/18 19:52	01/26/18 18:44	877-09-8	
Decachlorobiphenyl (S)	66	%	30-150	1	01/25/18 19:52	01/26/18 18:44	2051-24-3	
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Aluminum	**333**	ug/L	200	1	01/26/18 09:58	02/01/18 10:34	7429-90-5	
Antimony	**<60.0**	ug/L	60.0	1	01/26/18 09:58	02/01/18 10:34	7440-36-0	
Arsenic	**<200**	ug/L	200	20	01/26/18 09:58	02/01/18 12:25	7440-38-2	
Barium	**142J**	ug/L	200	1	01/26/18 09:58	02/01/18 10:34	7440-39-3	
Beryllium	**<5.0**	ug/L	5.0	1	01/26/18 09:58	02/01/18 10:34	7440-41-7	
Boron	**3310**	ug/L	50.0	1	01/26/18 09:58	02/01/18 10:34	7440-42-8	
Cadmium	**2.6**	ug/L	2.5	1	01/26/18 09:58	02/01/18 10:34	7440-43-9	
Calcium	**280000**	ug/L	1000	1	01/26/18 09:58	02/01/18 10:34	7440-70-2	
Chromium	**25.5**	ug/L	10.0	1	01/26/18 09:58	02/01/18 10:34	7440-47-3	

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Sample: MW-106 **Lab ID: 7041247001** Collected: 01/24/18 08:40 Received: 01/24/18 14:51 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Cobalt	**<50.0**	ug/L	50.0	1	01/26/18 09:58	02/01/18 10:34	7440-48-4	
Copper	**83.6**	ug/L	25.0	1	01/26/18 09:58	02/01/18 10:34	7440-50-8	
Iron	**5350**	ug/L	20.0	1	01/26/18 09:58	02/01/18 10:34	7439-89-6	
Lead	**180**	ug/L	5.0	1	01/26/18 09:58	02/01/18 10:34	7439-92-1	
Magnesium	**855000**	ug/L	1000	1	01/26/18 09:58	02/01/18 10:34	7439-95-4	
Manganese	**<10.0**	ug/L	10.0	1	01/26/18 09:58	02/01/18 10:34	7439-96-5	
Nickel	**24.4J**	ug/L	40.0	1	01/26/18 09:58	02/01/18 10:34	7440-02-0	
Potassium	**328000**	ug/L	100000	20	01/26/18 09:58	02/01/18 12:25	7440-09-7	
Selenium	**<10.0**	ug/L	10.0	1	01/26/18 09:58	02/01/18 10:34	7782-49-2	
Silver	**6.6J**	ug/L	10.0	1	01/26/18 09:58	02/01/18 10:34	7440-22-4	
Sodium	**<5000**	ug/L	5000	1	01/26/18 09:58	02/01/18 10:34	7440-23-5	
Thallium	**30.1**	ug/L	10.0	1	01/26/18 09:58	02/01/18 10:34	7440-28-0	
Vanadium	**19.2J**	ug/L	50.0	1	01/26/18 09:58	02/01/18 10:34	7440-62-2	
Zinc	**219**	ug/L	20.0	1	01/26/18 09:58	02/01/18 10:34	7440-66-6	
200.7 Metals, Dissolved	Analytical Method: EPA 200.7							
Aluminum, Dissolved	**730**	ug/L	200	1		02/07/18 11:32	7429-90-5	
Antimony, Dissolved	**8.1J**	ug/L	60.0	1		02/07/18 11:32	7440-36-0	
Arsenic, Dissolved	**7.6J**	ug/L	10.0	1		02/07/18 11:32	7440-38-2	
Barium, Dissolved	**115J**	ug/L	200	1		02/07/18 11:32	7440-39-3	
Beryllium, Dissolved	**<5.0**	ug/L	5.0	1		02/07/18 11:32	7440-41-7	
Boron, Dissolved	**3320**	ug/L	50.0	1		02/07/18 11:32	7440-42-8	
Cadmium, Dissolved	**6.5**	ug/L	2.5	1		02/07/18 11:32	7440-43-9	
Calcium, Dissolved	**277000**	ug/L	1000	1		02/07/18 11:32	7440-70-2	
Chromium, Dissolved	**23.7**	ug/L	10.0	1		02/07/18 11:32	7440-47-3	
Cobalt, Dissolved	**<50.0**	ug/L	50.0	1		02/07/18 11:32	7440-48-4	
Copper, Dissolved	**161**	ug/L	25.0	1		02/07/18 11:32	7440-50-8	
Iron, Dissolved	**10200**	ug/L	20.0	1		02/07/18 11:32	7439-89-6	
Lead, Dissolved	**514**	ug/L	5.0	1		02/07/18 11:32	7439-92-1	
Magnesium, Dissolved	**845000**	ug/L	1000	1		02/07/18 11:32	7439-95-4	
Manganese, Dissolved	**<10.0**	ug/L	10.0	1		02/07/18 11:32	7439-96-5	
Nickel, Dissolved	**32.3J**	ug/L	40.0	1		02/07/18 11:32	7440-02-0	
Potassium, Dissolved	**338000**	ug/L	100000	20		02/07/18 11:56	7440-09-7	
Selenium, Dissolved	**<200**	ug/L	200	20		02/07/18 11:56	7782-49-2	
Silver, Dissolved	**4.4J**	ug/L	10.0	1		02/07/18 11:32	7440-22-4	
Sodium, Dissolved	**<5000**	ug/L	5000	1		02/07/18 11:32	7440-23-5	
Thallium, Dissolved	**8.9J**	ug/L	10.0	1		02/07/18 11:32	7440-28-0	
Vanadium, Dissolved	**43.9J**	ug/L	50.0	1		02/07/18 11:32	7440-62-2	
Zinc, Dissolved	**530**	ug/L	20.0	1		02/07/18 11:32	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	**0.25**	ug/L	0.20	1	01/26/18 11:03	01/29/18 13:37	7439-97-6	B
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	**0.29**	ug/L	0.20	1	01/26/18 11:03	01/29/18 13:18	7439-97-6	B

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ANALYTICAL RESULTS

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Sample: MW-106 **Lab ID: 7041247001** Collected: 01/24/18 08:40 Received: 01/24/18 14:51 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270D Preparation Method: EPA 3510C							
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 13:34	120-82-1	
1,2-Dichlorobenzene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 13:34	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 13:34	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 13:34	106-46-7	
2,2'-Oxybis(1-chloropropane)	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 13:34	108-60-1	
2,4,5-Trichlorophenol	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 13:34	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 13:34	88-06-2	
2,4-Dichlorophenol	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 13:34	120-83-2	
2,4-Dimethylphenol	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 13:34	105-67-9	
2,4-Dinitrophenol	ND	ug/L	10.0	1	01/25/18 11:24	01/26/18 13:34	51-28-5	L1,M0
2,4-Dinitrotoluene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 13:34	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 13:34	606-20-2	
2-Chloronaphthalene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 13:34	91-58-7	
2-Chlorophenol	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 13:34	95-57-8	
2-Methylnaphthalene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 13:34	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 13:34	95-48-7	
2-Nitroaniline	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 13:34	88-74-4	
2-Nitrophenol	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 13:34	88-75-5	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 13:34		
3,3'-Dichlorobenzidine	ND	ug/L	10.0	1	01/25/18 11:24	01/26/18 13:34	91-94-1	M1
3-Nitroaniline	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 13:34	99-09-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	10.0	1	01/25/18 11:24	01/26/18 13:34	534-52-1	
4-Bromophenylphenyl ether	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 13:34	101-55-3	
4-Chloro-3-methylphenol	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 13:34	59-50-7	
4-Chloroaniline	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 13:34	106-47-8	
4-Chlorophenylphenyl ether	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 13:34	7005-72-3	
4-Nitroaniline	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 13:34	100-01-6	M1
4-Nitrophenol	ND	ug/L	10.0	1	01/25/18 11:24	01/26/18 13:34	100-02-7	
Acenaphthene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 13:34	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 13:34	208-96-8	
Anthracene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 13:34	120-12-7	
Benzo(a)anthracene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 13:34	56-55-3	
Benzo(a)pyrene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 13:34	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 13:34	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 13:34	191-24-2	CH
Benzo(k)fluoranthene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 13:34	207-08-9	
Butylbenzylphthalate	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 13:34	85-68-7	
Carbazole	**<5.0**	ug/L	5.0	1	01/25/18 11:24	01/26/18 13:34	86-74-8	
Chrysene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 13:34	218-01-9	
Di-n-butylphthalate	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 13:34	84-74-2	
Di-n-octylphthalate	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 13:34	117-84-0	
Dibenz(a,h)anthracene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 13:34	53-70-3	CH
Dibenzofuran	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 13:34	132-64-9	
Diethylphthalate	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 13:34	84-66-2	
Dimethylphthalate	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 13:34	131-11-3	
Fluoranthene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 13:34	206-44-0	
Fluorene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 13:34	86-73-7	

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ANALYTICAL RESULTS

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Sample: MW-106 **Lab ID: 7041247001** Collected: 01/24/18 08:40 Received: 01/24/18 14:51 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270D Preparation Method: EPA 3510C							
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 13:34	87-68-3	
Hexachlorobenzene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 13:34	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	01/25/18 11:24	01/26/18 13:34	77-47-4	CL,IC,L1
Hexachloroethane	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 13:34	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 13:34	193-39-5	CH
Isophorone	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 13:34	78-59-1	
N-Nitroso-di-n-propylamine	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 13:34	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 13:34	86-30-6	
Naphthalene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 13:34	91-20-3	
Nitrobenzene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 13:34	98-95-3	
Pentachlorophenol	ND	ug/L	10.0	1	01/25/18 11:24	01/26/18 13:34	87-86-5	
Phenanthrene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 13:34	85-01-8	
Phenol	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 13:34	108-95-2	
Pyrene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 13:34	129-00-0	
bis(2-Chloroethoxy)methane	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 13:34	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 13:34	111-44-4	
bis(2-Ethylhexyl)phthalate	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 13:34	117-81-7	
Surrogates								
Nitrobenzene-d5 (S)	62	%	35-114	1	01/25/18 11:24	01/26/18 13:34	4165-60-0	
2-Fluorobiphenyl (S)	60	%	43-116	1	01/25/18 11:24	01/26/18 13:34	321-60-8	
p-Terphenyl-d14 (S)	71	%	33-141	1	01/25/18 11:24	01/26/18 13:34	1718-51-0	
Phenol-d5 (S)	33	%	10-110	1	01/25/18 11:24	01/26/18 13:34	4165-62-2	
2-Fluorophenol (S)	42	%	21-110	1	01/25/18 11:24	01/26/18 13:34	367-12-4	
2,4,6-Tribromophenol (S)	79	%	10-123	1	01/25/18 11:24	01/26/18 13:34	118-79-6	
2-Chlorophenol-d4 (S)	63	%	33-110	1	01/25/18 11:24	01/26/18 13:34	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	53	%	16-110	1	01/25/18 11:24	01/26/18 13:34	2199-69-1	
Tentatively Identified Compounds								
Unknown subst. organic a	**4.0J**	ug/L		1	01/25/18 11:24	01/26/18 13:34		
Unknown	**3.0J**	ug/L		1	01/25/18 11:24	01/26/18 13:34		
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		01/26/18 22:21	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		01/26/18 22:21	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		01/26/18 22:21	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		01/26/18 22:21	79-00-5	
1,1-Dichloroethane	ND	ug/L	5.0	1		01/26/18 22:21	75-34-3	
1,1-Dichloroethene	ND	ug/L	5.0	1		01/26/18 22:21	75-35-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		01/26/18 22:21	96-18-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		01/26/18 22:21	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		01/26/18 22:21	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		01/26/18 22:21	95-50-1	
1,2-Dichloroethane	ND	ug/L	5.0	1		01/26/18 22:21	107-06-2	
1,2-Dichloropropane	ND	ug/L	5.0	1		01/26/18 22:21	78-87-5	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		01/26/18 22:21	106-46-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		01/26/18 22:21	78-93-3	
2-Hexanone	ND	ug/L	5.0	1		01/26/18 22:21	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		01/26/18 22:21	108-10-1	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Sample: MW-106 **Lab ID: 7041247001** Collected: 01/24/18 08:40 Received: 01/24/18 14:51 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Acetone	ND	ug/L	5.0	1		01/26/18 22:21	67-64-1	
Acrylonitrile	ND	ug/L	5.0	1		01/26/18 22:21	107-13-1	
Benzene	ND	ug/L	5.0	1		01/26/18 22:21	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		01/26/18 22:21	74-97-5	L1
Bromodichloromethane	ND	ug/L	5.0	1		01/26/18 22:21	75-27-4	
Bromoform	ND	ug/L	5.0	1		01/26/18 22:21	75-25-2	
Bromomethane	ND	ug/L	5.0	1		01/26/18 22:21	74-83-9	
Carbon disulfide	ND	ug/L	5.0	1		01/26/18 22:21	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		01/26/18 22:21	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		01/26/18 22:21	108-90-7	
Chloroethane	ND	ug/L	5.0	1		01/26/18 22:21	75-00-3	
Chloroform	ND	ug/L	5.0	1		01/26/18 22:21	67-66-3	
Chloromethane	ND	ug/L	5.0	1		01/26/18 22:21	74-87-3	CL
Dibromochloromethane	ND	ug/L	5.0	1		01/26/18 22:21	124-48-1	
Dibromomethane	ND	ug/L	5.0	1		01/26/18 22:21	74-95-3	
Ethylbenzene	ND	ug/L	5.0	1		01/26/18 22:21	100-41-4	
Iodomethane	ND	ug/L	5.0	1		01/26/18 22:21	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		01/26/18 22:21	75-09-2	
Styrene	ND	ug/L	5.0	1		01/26/18 22:21	100-42-5	
Tetrachloroethene	ND	ug/L	5.0	1		01/26/18 22:21	127-18-4	
Toluene	ND	ug/L	5.0	1		01/26/18 22:21	108-88-3	
Trichloroethene	ND	ug/L	5.0	1		01/26/18 22:21	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		01/26/18 22:21	75-69-4	
Vinyl acetate	ND	ug/L	5.0	1		01/26/18 22:21	108-05-4	
Xylene (Total)	ND	ug/L	5.0	1		01/26/18 22:21	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		01/26/18 22:21	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		01/26/18 22:21	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		01/26/18 22:21	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		01/26/18 22:21	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1		01/26/18 22:21	110-57-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	89	%	68-153	1		01/26/18 22:21	17060-07-0	
4-Bromofluorobenzene (S)	99	%	79-124	1		01/26/18 22:21	460-00-4	
Toluene-d8 (S)	102	%	69-124	1		01/26/18 22:21	2037-26-5	
TIC MSV Water	Analytical Method: EPA 8260							
TIC Search	**No TICs Found**			1		01/29/18 16:27		
2320B Alkalinity	Analytical Method: SM22 2320B							
Alkalinity, Total as CaCO3	**208**	mg/L	1.0	1		02/01/18 15:43		
Alkalinity,Bicarbonate (CaCO3)	**208**	mg/L	1.0	1		02/01/18 15:43		
Alkalinity,Carbonate (CaCO3)	**<1.0**	mg/L	1.0	1		02/01/18 15:43		
2540C Total Dissolved Solids	Analytical Method: SM22 2540C							
Total Dissolved Solids	**26000**	mg/L	1000	1		01/29/18 13:28		

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(631)694-3040

ANALYTICAL RESULTS

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Sample: MW-106 **Lab ID: 7041247001** Collected: 01/24/18 08:40 Received: 01/24/18 14:51 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	**1130**	mg/L	100	1	01/26/18 11:19	01/26/18 13:47		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**16100**	mg/L	1000	500		01/25/18 18:31	16887-00-6	
Sulfate	**2020**	mg/L	500	100		01/25/18 18:17	14808-79-8	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	**8.2**	mg/L	0.50	1	02/02/18 06:17	02/02/18 13:17	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrate-Nitrite (as N)	**2.0**	mg/L	0.25	5		01/25/18 12:20	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**<0.050**	mg/L	0.050	1		01/25/18 08:05	14797-65-0	
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H							
Nitrogen, Ammonia	**1.3**	mg/L	0.50	5		01/29/18 12:23	7664-41-7	
9014 Cyanide, Total	Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C							
Cyanide	**5.2J**	ug/L	10.0	1	02/07/18 10:17	02/07/18 17:13	57-12-5	

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ANALYTICAL RESULTS

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Sample: MW-133 **Lab ID: 7041247002** Collected: 01/24/18 11:15 Received: 01/24/18 14:51 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081B Preparation Method: EPA 3510C							
Aldrin	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/05/18 23:47	309-00-2	
alpha-BHC	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/05/18 23:47	319-84-6	
beta-BHC	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/05/18 23:47	319-85-7	
delta-BHC	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/05/18 23:47	319-86-8	
gamma-BHC (Lindane)	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/05/18 23:47	58-89-9	
alpha-Chlordane	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/05/18 23:47	5103-71-9	
gamma-Chlordane	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/05/18 23:47	5103-74-2	
4,4'-DDD	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/05/18 23:47	72-54-8	
4,4'-DDE	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/05/18 23:47	72-55-9	
4,4'-DDT	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/05/18 23:47	50-29-3	
Dieldrin	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/05/18 23:47	60-57-1	
Endosulfan I	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/05/18 23:47	959-98-8	
Endosulfan II	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/05/18 23:47	33213-65-9	
Endosulfan sulfate	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/05/18 23:47	1031-07-8	
Endrin	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/05/18 23:47	72-20-8	
Endrin aldehyde	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/05/18 23:47	7421-93-4	
Endrin ketone	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/05/18 23:47	53494-70-5	
Heptachlor	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/05/18 23:47	76-44-8	
Heptachlor epoxide	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/05/18 23:47	1024-57-3	
Methoxychlor	**<0.50**	ug/L	0.50	1	01/31/18 19:34	02/05/18 23:47	72-43-5	
Toxaphene	**<5.0**	ug/L	5.0	1	01/31/18 19:34	02/05/18 23:47	8001-35-2	
Surrogates								
Decachlorobiphenyl (S)	83	%	30-150	1	01/31/18 19:34	02/05/18 23:47	2051-24-3	
Tetrachloro-m-xylene (S)	45	%	30-150	1	01/31/18 19:34	02/05/18 23:47	877-09-8	
8082 GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3510C							
PCB-1016 (Aroclor 1016)	**<1.0**	ug/L	1.0	1	01/25/18 19:52	01/26/18 18:57	12674-11-2	
PCB-1221 (Aroclor 1221)	**<2.0**	ug/L	2.0	1	01/25/18 19:52	01/26/18 18:57	11104-28-2	
PCB-1232 (Aroclor 1232)	**<1.0**	ug/L	1.0	1	01/25/18 19:52	01/26/18 18:57	11141-16-5	
PCB-1242 (Aroclor 1242)	**<1.0**	ug/L	1.0	1	01/25/18 19:52	01/26/18 18:57	53469-21-9	
PCB-1248 (Aroclor 1248)	**<1.0**	ug/L	1.0	1	01/25/18 19:52	01/26/18 18:57	12672-29-6	
PCB-1254 (Aroclor 1254)	**<1.0**	ug/L	1.0	1	01/25/18 19:52	01/26/18 18:57	11097-69-1	
PCB-1260 (Aroclor 1260)	**<1.0**	ug/L	1.0	1	01/25/18 19:52	01/26/18 18:57	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	76	%	30-150	1	01/25/18 19:52	01/26/18 18:57	877-09-8	
Decachlorobiphenyl (S)	70	%	30-150	1	01/25/18 19:52	01/26/18 18:57	2051-24-3	
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Aluminum	**6600**	ug/L	200	1	01/26/18 09:58	02/01/18 10:35	7429-90-5	
Antimony	**<60.0**	ug/L	60.0	1	01/26/18 09:58	02/01/18 10:35	7440-36-0	
Arsenic	**7.8J**	ug/L	10.0	1	01/26/18 09:58	02/01/18 10:35	7440-38-2	
Barium	**198J**	ug/L	200	1	01/26/18 09:58	02/01/18 10:35	7440-39-3	
Beryllium	**<5.0**	ug/L	5.0	1	01/26/18 09:58	02/01/18 10:35	7440-41-7	
Boron	**310**	ug/L	50.0	1	01/26/18 09:58	02/01/18 10:35	7440-42-8	
Cadmium	**0.095J**	ug/L	2.5	1	01/26/18 09:58	02/01/18 10:35	7440-43-9	
Calcium	**130000**	ug/L	1000	1	01/26/18 09:58	02/01/18 10:35	7440-70-2	
Chromium	**30.7**	ug/L	10.0	1	01/26/18 09:58	02/01/18 10:35	7440-47-3	

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(631)694-3040

ANALYTICAL RESULTS

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Sample: MW-133 **Lab ID: 7041247002** Collected: 01/24/18 11:15 Received: 01/24/18 14:51 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Cobalt	**22.3J**	ug/L	50.0	1	01/26/18 09:58	02/01/18 10:35	7440-48-4	
Copper	**26.6**	ug/L	25.0	1	01/26/18 09:58	02/01/18 10:35	7440-50-8	
Iron	**63500**	ug/L	20.0	1	01/26/18 09:58	02/01/18 10:35	7439-89-6	
Lead	**19.8**	ug/L	5.0	1	01/26/18 09:58	02/01/18 10:35	7439-92-1	
Magnesium	**34400**	ug/L	1000	1	01/26/18 09:58	02/01/18 10:35	7439-95-4	
Manganese	**1010**	ug/L	10.0	1	01/26/18 09:58	02/01/18 10:35	7439-96-5	
Nickel	**139**	ug/L	40.0	1	01/26/18 09:58	02/01/18 10:35	7440-02-0	
Potassium	**26900**	ug/L	5000	1	01/26/18 09:58	02/01/18 10:35	7440-09-7	
Selenium	**<10.0**	ug/L	10.0	1	01/26/18 09:58	02/01/18 10:35	7782-49-2	
Silver	**<10.0**	ug/L	10.0	1	01/26/18 09:58	02/01/18 10:35	7440-22-4	
Sodium	**76600**	ug/L	5000	1	01/26/18 09:58	02/01/18 10:35	7440-23-5	
Thallium	**33.8**	ug/L	10.0	1	01/26/18 09:58	02/01/18 10:35	7440-28-0	
Vanadium	**22.2J**	ug/L	50.0	1	01/26/18 09:58	02/01/18 10:35	7440-62-2	
Zinc	**39.1**	ug/L	20.0	1	01/26/18 09:58	02/01/18 10:35	7440-66-6	
200.7 Metals, Dissolved	Analytical Method: EPA 200.7							
Aluminum, Dissolved	**1070**	ug/L	200	1		02/07/18 11:34	7429-90-5	
Antimony, Dissolved	**<60.0**	ug/L	60.0	1		02/07/18 11:34	7440-36-0	
Arsenic, Dissolved	**<10.0**	ug/L	10.0	1		02/07/18 11:34	7440-38-2	
Barium, Dissolved	**137J**	ug/L	200	1		02/07/18 11:34	7440-39-3	
Beryllium, Dissolved	**<5.0**	ug/L	5.0	1		02/07/18 11:34	7440-41-7	
Boron, Dissolved	**292**	ug/L	50.0	1		02/07/18 11:34	7440-42-8	
Cadmium, Dissolved	**0.23J**	ug/L	2.5	1		02/07/18 11:34	7440-43-9	
Calcium, Dissolved	**123000**	ug/L	1000	1		02/07/18 11:34	7440-70-2	
Chromium, Dissolved	**6.2J**	ug/L	10.0	1		02/07/18 11:34	7440-47-3	
Cobalt, Dissolved	**13.1J**	ug/L	50.0	1		02/07/18 11:34	7440-48-4	
Copper, Dissolved	**<25.0**	ug/L	25.0	1		02/07/18 11:34	7440-50-8	
Iron, Dissolved	**43500**	ug/L	20.0	1		02/07/18 11:34	7439-89-6	
Lead, Dissolved	**6.4**	ug/L	5.0	1		02/07/18 11:34	7439-92-1	
Magnesium, Dissolved	**31000**	ug/L	1000	1		02/07/18 11:34	7439-95-4	
Manganese, Dissolved	**710**	ug/L	10.0	1		02/07/18 11:34	7439-96-5	
Nickel, Dissolved	**73.8**	ug/L	40.0	1		02/07/18 11:34	7440-02-0	
Potassium, Dissolved	**25900**	ug/L	5000	1		02/07/18 11:34	7440-09-7	
Selenium, Dissolved	**<10.0**	ug/L	10.0	1		02/07/18 11:34	7782-49-2	
Silver, Dissolved	**<10.0**	ug/L	10.0	1		02/07/18 11:34	7440-22-4	
Sodium, Dissolved	**75100**	ug/L	5000	1		02/07/18 11:34	7440-23-5	
Thallium, Dissolved	**<10.0**	ug/L	10.0	1		02/07/18 11:34	7440-28-0	
Vanadium, Dissolved	**8.2J**	ug/L	50.0	1		02/07/18 11:34	7440-62-2	
Zinc, Dissolved	**11.8J**	ug/L	20.0	1		02/07/18 11:34	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	**0.62**	ug/L	0.20	1	01/26/18 11:03	01/29/18 13:44	7439-97-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	**<0.20**	ug/L	0.20	1	01/26/18 11:03	01/29/18 13:24	7439-97-6	

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ANALYTICAL RESULTS

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Sample: MW-133 **Lab ID: 7041247002** Collected: 01/24/18 11:15 Received: 01/24/18 14:51 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270D Preparation Method: EPA 3510C							
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 14:30	120-82-1	
1,2-Dichlorobenzene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 14:30	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 14:30	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 14:30	106-46-7	
2,2'-Oxybis(1-chloropropane)	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 14:30	108-60-1	
2,4,5-Trichlorophenol	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 14:30	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 14:30	88-06-2	
2,4-Dichlorophenol	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 14:30	120-83-2	
2,4-Dimethylphenol	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 14:30	105-67-9	
2,4-Dinitrophenol	ND	ug/L	10.0	1	01/25/18 11:24	01/26/18 14:30	51-28-5	L1
2,4-Dinitrotoluene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 14:30	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 14:30	606-20-2	
2-Chloronaphthalene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 14:30	91-58-7	
2-Chlorophenol	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 14:30	95-57-8	
2-Methylnaphthalene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 14:30	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 14:30	95-48-7	
2-Nitroaniline	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 14:30	88-74-4	
2-Nitrophenol	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 14:30	88-75-5	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 14:30		
3,3'-Dichlorobenzidine	ND	ug/L	10.0	1	01/25/18 11:24	01/26/18 14:30	91-94-1	
3-Nitroaniline	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 14:30	99-09-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	10.0	1	01/25/18 11:24	01/26/18 14:30	534-52-1	
4-Bromophenylphenyl ether	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 14:30	101-55-3	
4-Chloro-3-methylphenol	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 14:30	59-50-7	
4-Chloroaniline	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 14:30	106-47-8	
4-Chlorophenylphenyl ether	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 14:30	7005-72-3	
4-Nitroaniline	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 14:30	100-01-6	
4-Nitrophenol	ND	ug/L	10.0	1	01/25/18 11:24	01/26/18 14:30	100-02-7	
Acenaphthene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 14:30	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 14:30	208-96-8	
Anthracene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 14:30	120-12-7	
Benzo(a)anthracene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 14:30	56-55-3	
Benzo(a)pyrene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 14:30	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 14:30	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 14:30	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 14:30	207-08-9	
Butylbenzylphthalate	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 14:30	85-68-7	
Carbazole	**<5.0**	ug/L	5.0	1	01/25/18 11:24	01/26/18 14:30	86-74-8	
Chrysene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 14:30	218-01-9	
Di-n-butylphthalate	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 14:30	84-74-2	
Di-n-octylphthalate	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 14:30	117-84-0	
Dibenz(a,h)anthracene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 14:30	53-70-3	
Dibenzofuran	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 14:30	132-64-9	
Diethylphthalate	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 14:30	84-66-2	
Dimethylphthalate	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 14:30	131-11-3	
Fluoranthene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 14:30	206-44-0	
Fluorene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 14:30	86-73-7	

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Sample: MW-133 **Lab ID: 7041247002** Collected: 01/24/18 11:15 Received: 01/24/18 14:51 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270D Preparation Method: EPA 3510C							
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 14:30	87-68-3	
Hexachlorobenzene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 14:30	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	01/25/18 11:24	01/26/18 14:30	77-47-4	CL,IC,L1
Hexachloroethane	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 14:30	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 14:30	193-39-5	
Isophorone	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 14:30	78-59-1	
N-Nitroso-di-n-propylamine	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 14:30	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 14:30	86-30-6	
Naphthalene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 14:30	91-20-3	
Nitrobenzene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 14:30	98-95-3	
Pentachlorophenol	ND	ug/L	10.0	1	01/25/18 11:24	01/26/18 14:30	87-86-5	
Phenanthrene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 14:30	85-01-8	
Phenol	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 14:30	108-95-2	
Pyrene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 14:30	129-00-0	
bis(2-Chloroethoxy)methane	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 14:30	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 14:30	111-44-4	
bis(2-Ethylhexyl)phthalate	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 14:30	117-81-7	
Surrogates								
Nitrobenzene-d5 (S)	56	%	35-114	1	01/25/18 11:24	01/26/18 14:30	4165-60-0	
2-Fluorobiphenyl (S)	59	%	43-116	1	01/25/18 11:24	01/26/18 14:30	321-60-8	
p-Terphenyl-d14 (S)	79	%	33-141	1	01/25/18 11:24	01/26/18 14:30	1718-51-0	
Phenol-d5 (S)	28	%	10-110	1	01/25/18 11:24	01/26/18 14:30	4165-62-2	
2-Fluorophenol (S)	38	%	21-110	1	01/25/18 11:24	01/26/18 14:30	367-12-4	
2,4,6-Tribromophenol (S)	77	%	10-123	1	01/25/18 11:24	01/26/18 14:30	118-79-6	
2-Chlorophenol-d4 (S)	57	%	33-110	1	01/25/18 11:24	01/26/18 14:30	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	52	%	16-110	1	01/25/18 11:24	01/26/18 14:30	2199-69-1	
Tentatively Identified Compounds								
Octanoic Acid	**3.8J**	ug/L		1	01/25/18 11:24	01/26/18 14:30	124-07-2	N
Tetradecanoic acid	**3.9J**	ug/L		1	01/25/18 11:24	01/26/18 14:30	544-63-8	N
n-Hexadecanoic acid	**3.2J**	ug/L		1	01/25/18 11:24	01/26/18 14:30	57-10-3	N
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		01/26/18 22:41	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		01/26/18 22:41	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		01/26/18 22:41	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		01/26/18 22:41	79-00-5	
1,1-Dichloroethane	ND	ug/L	5.0	1		01/26/18 22:41	75-34-3	
1,1-Dichloroethene	ND	ug/L	5.0	1		01/26/18 22:41	75-35-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		01/26/18 22:41	96-18-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		01/26/18 22:41	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		01/26/18 22:41	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		01/26/18 22:41	95-50-1	
1,2-Dichloroethane	ND	ug/L	5.0	1		01/26/18 22:41	107-06-2	
1,2-Dichloropropane	ND	ug/L	5.0	1		01/26/18 22:41	78-87-5	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		01/26/18 22:41	106-46-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		01/26/18 22:41	78-93-3	
2-Hexanone	ND	ug/L	5.0	1		01/26/18 22:41	591-78-6	

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Sample: MW-133 **Lab ID: 7041247002** Collected: 01/24/18 11:15 Received: 01/24/18 14:51 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		01/26/18 22:41	108-10-1	
Acetone	ND	ug/L	5.0	1		01/26/18 22:41	67-64-1	
Acrylonitrile	ND	ug/L	5.0	1		01/26/18 22:41	107-13-1	
Benzene	ND	ug/L	5.0	1		01/26/18 22:41	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		01/26/18 22:41	74-97-5	L1
Bromodichloromethane	ND	ug/L	5.0	1		01/26/18 22:41	75-27-4	
Bromoform	ND	ug/L	5.0	1		01/26/18 22:41	75-25-2	
Bromomethane	ND	ug/L	5.0	1		01/26/18 22:41	74-83-9	
Carbon disulfide	ND	ug/L	5.0	1		01/26/18 22:41	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		01/26/18 22:41	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		01/26/18 22:41	108-90-7	
Chloroethane	ND	ug/L	5.0	1		01/26/18 22:41	75-00-3	
Chloroform	ND	ug/L	5.0	1		01/26/18 22:41	67-66-3	
Chloromethane	ND	ug/L	5.0	1		01/26/18 22:41	74-87-3	CL
Dibromochloromethane	ND	ug/L	5.0	1		01/26/18 22:41	124-48-1	
Dibromomethane	ND	ug/L	5.0	1		01/26/18 22:41	74-95-3	
Ethylbenzene	ND	ug/L	5.0	1		01/26/18 22:41	100-41-4	
Iodomethane	ND	ug/L	5.0	1		01/26/18 22:41	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		01/26/18 22:41	75-09-2	
Styrene	ND	ug/L	5.0	1		01/26/18 22:41	100-42-5	
Tetrachloroethene	ND	ug/L	5.0	1		01/26/18 22:41	127-18-4	
Toluene	ND	ug/L	5.0	1		01/26/18 22:41	108-88-3	
Trichloroethene	ND	ug/L	5.0	1		01/26/18 22:41	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		01/26/18 22:41	75-69-4	
Vinyl acetate	ND	ug/L	5.0	1		01/26/18 22:41	108-05-4	
Xylene (Total)	ND	ug/L	5.0	1		01/26/18 22:41	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		01/26/18 22:41	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		01/26/18 22:41	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		01/26/18 22:41	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		01/26/18 22:41	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1		01/26/18 22:41	110-57-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	85	%	68-153	1		01/26/18 22:41	17060-07-0	
4-Bromofluorobenzene (S)	96	%	79-124	1		01/26/18 22:41	460-00-4	
Toluene-d8 (S)	101	%	69-124	1		01/26/18 22:41	2037-26-5	
TIC MSV Water	Analytical Method: EPA 8260							
TIC Search	**No TICs Found**			1		01/29/18 16:28		
2320B Alkalinity	Analytical Method: SM22 2320B							
Alkalinity, Total as CaCO3	**321**	mg/L	1.0	1		02/02/18 10:34		M1
Alkalinity,Bicarbonate (CaCO3)	**321**	mg/L	1.0	1		02/02/18 10:34		M0
Alkalinity,Carbonate (CaCO3)	**<1.0**	mg/L	1.0	1		02/02/18 10:34		
2540C Total Dissolved Solids	Analytical Method: SM22 2540C							
Total Dissolved Solids	**684**	mg/L	20.0	1		01/29/18 13:30		

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Sample: MW-133 **Lab ID: 7041247002** Collected: 01/24/18 11:15 Received: 01/24/18 14:51 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	**62.1**	mg/L	10.0	1	01/26/18 11:19	01/26/18 13:47		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**86.1**	mg/L	10.0	5		01/31/18 04:17	16887-00-6	
Sulfate	**88.5**	mg/L	25.0	5		01/31/18 04:17	14808-79-8	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	**<0.50**	mg/L	0.50	1	02/02/18 06:17	02/02/18 13:18	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrate-Nitrite (as N)	**1.2**	mg/L	0.25	5		01/25/18 12:23	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**<0.050**	mg/L	0.050	1		01/25/18 08:06	14797-65-0	
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H							
Nitrogen, Ammonia	**0.61**	mg/L	0.10	1		01/29/18 12:24	7664-41-7	
9014 Cyanide, Total	Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C							
Cyanide	**<10.0**	ug/L	10.0	1	02/07/18 10:17	02/07/18 17:13	57-12-5	

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Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Sample: MW-119 **Lab ID: 7041247003** Collected: 01/24/18 11:00 Received: 01/24/18 14:51 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081B Preparation Method: EPA 3510C							
alpha-BHC	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/06/18 00:04	319-84-6	
gamma-BHC (Lindane)	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/06/18 00:04	58-89-9	
beta-BHC	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/06/18 00:04	319-85-7	
Heptachlor	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/06/18 00:04	76-44-8	
delta-BHC	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/06/18 00:04	319-86-8	
Aldrin	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/06/18 00:04	309-00-2	
Heptachlor epoxide	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/06/18 00:04	1024-57-3	
Endosulfan I	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/06/18 00:04	959-98-8	
4,4'-DDE	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/06/18 00:04	72-55-9	
Dieldrin	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/06/18 00:04	60-57-1	
Endrin	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/06/18 00:04	72-20-8	
4,4'-DDD	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/06/18 00:04	72-54-8	
Endosulfan II	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/06/18 00:04	33213-65-9	
4,4'-DDT	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/06/18 00:04	50-29-3	
Endrin aldehyde	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/06/18 00:04	7421-93-4	
Endosulfan sulfate	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/06/18 00:04	1031-07-8	
Methoxychlor	**<0.50**	ug/L	0.50	1	01/31/18 19:34	02/06/18 00:04	72-43-5	
Endrin ketone	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/06/18 00:04	53494-70-5	
alpha-Chlordane	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/06/18 00:04	5103-71-9	
gamma-Chlordane	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/06/18 00:04	5103-74-2	
Toxaphene	**<5.0**	ug/L	5.0	1	01/31/18 19:34	02/06/18 00:04	8001-35-2	
Surrogates								
Decachlorobiphenyl (S)	102	%	30-150	1	01/31/18 19:34	02/06/18 00:04	2051-24-3	
Tetrachloro-m-xylene (S)	68	%	30-150	1	01/31/18 19:34	02/06/18 00:04	877-09-8	
8082 GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3510C							
PCB-1016 (Aroclor 1016)	**<1.0**	ug/L	1.0	1	01/25/18 19:52	01/26/18 19:10	12674-11-2	
PCB-1221 (Aroclor 1221)	**<2.0**	ug/L	2.0	1	01/25/18 19:52	01/26/18 19:10	11104-28-2	
PCB-1232 (Aroclor 1232)	**<1.0**	ug/L	1.0	1	01/25/18 19:52	01/26/18 19:10	11141-16-5	
PCB-1242 (Aroclor 1242)	**<1.0**	ug/L	1.0	1	01/25/18 19:52	01/26/18 19:10	53469-21-9	
PCB-1248 (Aroclor 1248)	**<1.0**	ug/L	1.0	1	01/25/18 19:52	01/26/18 19:10	12672-29-6	
PCB-1254 (Aroclor 1254)	**<1.0**	ug/L	1.0	1	01/25/18 19:52	01/26/18 19:10	11097-69-1	
PCB-1260 (Aroclor 1260)	**<1.0**	ug/L	1.0	1	01/25/18 19:52	01/26/18 19:10	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	52	%	30-150	1	01/25/18 19:52	01/26/18 19:10	877-09-8	
Decachlorobiphenyl (S)	80	%	30-150	1	01/25/18 19:52	01/26/18 19:10	2051-24-3	
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Aluminum	**<200**	ug/L	200	1	01/26/18 09:58	02/01/18 10:39	7429-90-5	
Antimony	**<60.0**	ug/L	60.0	1	01/26/18 09:58	02/01/18 10:39	7440-36-0	
Arsenic	**<200**	ug/L	200	20	01/26/18 09:58	02/01/18 12:26	7440-38-2	
Barium	**87.3J**	ug/L	200	1	01/26/18 09:58	02/01/18 10:39	7440-39-3	
Beryllium	**<5.0**	ug/L	5.0	1	01/26/18 09:58	02/01/18 10:39	7440-41-7	
Boron	**3310**	ug/L	50.0	1	01/26/18 09:58	02/01/18 10:39	7440-42-8	
Cadmium	**<2.5**	ug/L	2.5	1	01/26/18 09:58	02/01/18 10:39	7440-43-9	
Calcium	**310000**	ug/L	1000	1	01/26/18 09:58	02/01/18 10:39	7440-70-2	
Chromium	**<10.0**	ug/L	10.0	1	01/26/18 09:58	02/01/18 10:39	7440-47-3	

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Sample: MW-119 **Lab ID: 7041247003** Collected: 01/24/18 11:00 Received: 01/24/18 14:51 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Cobalt	**<50.0**	ug/L	50.0	1	01/26/18 09:58	02/01/18 10:39	7440-48-4	
Copper	**3.9J**	ug/L	25.0	1	01/26/18 09:58	02/01/18 10:39	7440-50-8	
Iron	**5150**	ug/L	20.0	1	01/26/18 09:58	02/01/18 10:39	7439-89-6	
Lead	**<100**	ug/L	100	20	01/26/18 09:58	02/01/18 12:26	7439-92-1	
Magnesium	**819000**	ug/L	1000	1	01/26/18 09:58	02/01/18 10:39	7439-95-4	
Manganese	**282**	ug/L	10.0	1	01/26/18 09:58	02/01/18 10:39	7439-96-5	
Nickel	**11.6J**	ug/L	40.0	1	01/26/18 09:58	02/01/18 10:39	7440-02-0	
Potassium	**316000**	ug/L	100000	20	01/26/18 09:58	02/01/18 12:26	7440-09-7	
Selenium	**<10.0**	ug/L	10.0	1	01/26/18 09:58	02/01/18 10:39	7782-49-2	
Silver	**4.6J**	ug/L	10.0	1	01/26/18 09:58	02/01/18 10:39	7440-22-4	
Sodium	**<5000**	ug/L	5000	1	01/26/18 09:58	02/01/18 10:39	7440-23-5	
Thallium	**21.7**	ug/L	10.0	1	01/26/18 09:58	02/01/18 10:39	7440-28-0	
Vanadium	**7.2J**	ug/L	50.0	1	01/26/18 09:58	02/01/18 10:39	7440-62-2	
Zinc	**23.8**	ug/L	20.0	1	01/26/18 09:58	02/01/18 10:39	7440-66-6	
200.7 Metals, Dissolved	Analytical Method: EPA 200.7							
Aluminum, Dissolved	**<200**	ug/L	200	1		02/07/18 11:35	7429-90-5	
Antimony, Dissolved	**5.8J**	ug/L	60.0	1		02/07/18 11:35	7440-36-0	
Arsenic, Dissolved	**<10.0**	ug/L	10.0	1		02/07/18 11:35	7440-38-2	
Barium, Dissolved	**86.4J**	ug/L	200	1		02/07/18 11:35	7440-39-3	
Beryllium, Dissolved	**<5.0**	ug/L	5.0	1		02/07/18 11:35	7440-41-7	
Boron, Dissolved	**3330**	ug/L	50.0	1		02/07/18 11:35	7440-42-8	
Cadmium, Dissolved	**<2.5**	ug/L	2.5	1		02/07/18 11:35	7440-43-9	
Calcium, Dissolved	**311000**	ug/L	1000	1		02/07/18 11:35	7440-70-2	
Chromium, Dissolved	**<10.0**	ug/L	10.0	1		02/07/18 11:35	7440-47-3	
Cobalt, Dissolved	**<50.0**	ug/L	50.0	1		02/07/18 11:35	7440-48-4	
Copper, Dissolved	**5.1J**	ug/L	25.0	1		02/07/18 11:35	7440-50-8	
Iron, Dissolved	**3400**	ug/L	20.0	1		02/07/18 11:35	7439-89-6	
Lead, Dissolved	**<100**	ug/L	100	20		02/07/18 11:58	7439-92-1	
Magnesium, Dissolved	**818000**	ug/L	1000	1		02/07/18 11:35	7439-95-4	
Manganese, Dissolved	**249**	ug/L	10.0	1		02/07/18 11:35	7439-96-5	
Nickel, Dissolved	**11.9J**	ug/L	40.0	1		02/07/18 11:35	7440-02-0	
Potassium, Dissolved	**338000**	ug/L	100000	20		02/07/18 11:58	7440-09-7	
Selenium, Dissolved	**<200**	ug/L	200	20		02/07/18 11:58	7782-49-2	
Silver, Dissolved	**<10.0**	ug/L	10.0	1		02/07/18 11:35	7440-22-4	
Sodium, Dissolved	**<5000**	ug/L	5000	1		02/07/18 11:35	7440-23-5	
Thallium, Dissolved	**<10.0**	ug/L	10.0	1		02/07/18 11:35	7440-28-0	
Vanadium, Dissolved	**6.2J**	ug/L	50.0	1		02/07/18 11:35	7440-62-2	
Zinc, Dissolved	**17.7J**	ug/L	20.0	1		02/07/18 11:35	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	**<0.20**	ug/L	0.20	1	01/26/18 11:03	01/29/18 13:45	7439-97-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	**0.072J**	ug/L	0.20	1	01/26/18 11:03	01/29/18 13:26	7439-97-6	B

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Sample: MW-119 **Lab ID: 7041247003** Collected: 01/24/18 11:00 Received: 01/24/18 14:51 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270D		Preparation Method: EPA 3510C					
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 15:26	120-82-1	
1,2-Dichlorobenzene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 15:26	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 15:26	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 15:26	106-46-7	
2,2'-Oxybis(1-chloropropane)	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 15:26	108-60-1	
2,4,5-Trichlorophenol	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 15:26	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 15:26	88-06-2	
2,4-Dichlorophenol	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 15:26	120-83-2	
2,4-Dimethylphenol	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 15:26	105-67-9	
2,4-Dinitrophenol	ND	ug/L	10.0	1	01/25/18 11:24	01/26/18 15:26	51-28-5	L1
2,4-Dinitrotoluene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 15:26	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 15:26	606-20-2	
2-Chloronaphthalene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 15:26	91-58-7	
2-Chlorophenol	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 15:26	95-57-8	
2-Methylnaphthalene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 15:26	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 15:26	95-48-7	
2-Nitroaniline	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 15:26	88-74-4	
2-Nitrophenol	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 15:26	88-75-5	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 15:26		
3,3'-Dichlorobenzidine	ND	ug/L	10.0	1	01/25/18 11:24	01/26/18 15:26	91-94-1	
3-Nitroaniline	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 15:26	99-09-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	10.0	1	01/25/18 11:24	01/26/18 15:26	534-52-1	
4-Bromophenylphenyl ether	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 15:26	101-55-3	
4-Chloro-3-methylphenol	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 15:26	59-50-7	
4-Chloroaniline	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 15:26	106-47-8	
4-Chlorophenylphenyl ether	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 15:26	7005-72-3	
4-Nitroaniline	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 15:26	100-01-6	
4-Nitrophenol	ND	ug/L	10.0	1	01/25/18 11:24	01/26/18 15:26	100-02-7	
Acenaphthene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 15:26	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 15:26	208-96-8	
Anthracene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 15:26	120-12-7	
Benzo(a)anthracene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 15:26	56-55-3	
Benzo(a)pyrene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 15:26	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 15:26	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 15:26	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 15:26	207-08-9	
Butylbenzylphthalate	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 15:26	85-68-7	
Carbazole	**<5.0**	ug/L	5.0	1	01/25/18 11:24	01/26/18 15:26	86-74-8	
Chrysene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 15:26	218-01-9	
Di-n-butylphthalate	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 15:26	84-74-2	
Di-n-octylphthalate	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 15:26	117-84-0	
Dibenz(a,h)anthracene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 15:26	53-70-3	
Dibenzofuran	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 15:26	132-64-9	
Diethylphthalate	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 15:26	84-66-2	
Dimethylphthalate	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 15:26	131-11-3	
Fluoranthene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 15:26	206-44-0	
Fluorene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 15:26	86-73-7	

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ANALYTICAL RESULTS

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Sample: MW-119 **Lab ID: 7041247003** Collected: 01/24/18 11:00 Received: 01/24/18 14:51 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270D Preparation Method: EPA 3510C							
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 15:26	87-68-3	
Hexachlorobenzene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 15:26	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	01/25/18 11:24	01/26/18 15:26	77-47-4	CL,IC,L1
Hexachloroethane	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 15:26	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 15:26	193-39-5	
Isophorone	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 15:26	78-59-1	
N-Nitroso-di-n-propylamine	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 15:26	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 15:26	86-30-6	
Naphthalene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 15:26	91-20-3	
Nitrobenzene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 15:26	98-95-3	
Pentachlorophenol	ND	ug/L	10.0	1	01/25/18 11:24	01/26/18 15:26	87-86-5	
Phenanthrene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 15:26	85-01-8	
Phenol	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 15:26	108-95-2	
Pyrene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 15:26	129-00-0	
bis(2-Chloroethoxy)methane	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 15:26	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 15:26	111-44-4	
bis(2-Ethylhexyl)phthalate	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 15:26	117-81-7	
Surrogates								
Nitrobenzene-d5 (S)	67	%	35-114	1	01/25/18 11:24	01/26/18 15:26	4165-60-0	
2-Fluorobiphenyl (S)	67	%	43-116	1	01/25/18 11:24	01/26/18 15:26	321-60-8	
p-Terphenyl-d14 (S)	80	%	33-141	1	01/25/18 11:24	01/26/18 15:26	1718-51-0	
Phenol-d5 (S)	29	%	10-110	1	01/25/18 11:24	01/26/18 15:26	4165-62-2	
2-Fluorophenol (S)	43	%	21-110	1	01/25/18 11:24	01/26/18 15:26	367-12-4	
2,4,6-Tribromophenol (S)	81	%	10-123	1	01/25/18 11:24	01/26/18 15:26	118-79-6	
2-Chlorophenol-d4 (S)	67	%	33-110	1	01/25/18 11:24	01/26/18 15:26	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	64	%	16-110	1	01/25/18 11:24	01/26/18 15:26	2199-69-1	
TIC MSSV Water	Analytical Method: EPA 8270D							
TIC Search	**No TICs found**			1		01/29/18 12:46		
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		01/26/18 23:40	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		01/26/18 23:40	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		01/26/18 23:40	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		01/26/18 23:40	79-00-5	
1,1-Dichloroethane	ND	ug/L	5.0	1		01/26/18 23:40	75-34-3	
1,1-Dichloroethene	ND	ug/L	5.0	1		01/26/18 23:40	75-35-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		01/26/18 23:40	96-18-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		01/26/18 23:40	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		01/26/18 23:40	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		01/26/18 23:40	95-50-1	
1,2-Dichloroethane	ND	ug/L	5.0	1		01/26/18 23:40	107-06-2	
1,2-Dichloropropane	ND	ug/L	5.0	1		01/26/18 23:40	78-87-5	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		01/26/18 23:40	106-46-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		01/26/18 23:40	78-93-3	
2-Hexanone	ND	ug/L	5.0	1		01/26/18 23:40	591-78-6	

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ANALYTICAL RESULTS

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Sample: MW-119 **Lab ID: 7041247003** Collected: 01/24/18 11:00 Received: 01/24/18 14:51 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		01/26/18 23:40	108-10-1	
Acetone	ND	ug/L	5.0	1		01/26/18 23:40	67-64-1	
Acrylonitrile	ND	ug/L	5.0	1		01/26/18 23:40	107-13-1	
Benzene	ND	ug/L	5.0	1		01/26/18 23:40	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		01/26/18 23:40	74-97-5	L1
Bromodichloromethane	ND	ug/L	5.0	1		01/26/18 23:40	75-27-4	
Bromoform	ND	ug/L	5.0	1		01/26/18 23:40	75-25-2	
Bromomethane	ND	ug/L	5.0	1		01/26/18 23:40	74-83-9	
Carbon disulfide	ND	ug/L	5.0	1		01/26/18 23:40	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		01/26/18 23:40	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		01/26/18 23:40	108-90-7	
Chloroethane	ND	ug/L	5.0	1		01/26/18 23:40	75-00-3	
Chloroform	ND	ug/L	5.0	1		01/26/18 23:40	67-66-3	
Chloromethane	ND	ug/L	5.0	1		01/26/18 23:40	74-87-3	CL
Dibromochloromethane	ND	ug/L	5.0	1		01/26/18 23:40	124-48-1	
Dibromomethane	ND	ug/L	5.0	1		01/26/18 23:40	74-95-3	
Ethylbenzene	ND	ug/L	5.0	1		01/26/18 23:40	100-41-4	
Iodomethane	ND	ug/L	5.0	1		01/26/18 23:40	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		01/26/18 23:40	75-09-2	
Styrene	ND	ug/L	5.0	1		01/26/18 23:40	100-42-5	
Tetrachloroethene	ND	ug/L	5.0	1		01/26/18 23:40	127-18-4	
Toluene	ND	ug/L	5.0	1		01/26/18 23:40	108-88-3	
Trichloroethene	ND	ug/L	5.0	1		01/26/18 23:40	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		01/26/18 23:40	75-69-4	
Vinyl acetate	ND	ug/L	5.0	1		01/26/18 23:40	108-05-4	
Xylene (Total)	ND	ug/L	5.0	1		01/26/18 23:40	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		01/26/18 23:40	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		01/26/18 23:40	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		01/26/18 23:40	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		01/26/18 23:40	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1		01/26/18 23:40	110-57-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	86	%	68-153	1		01/26/18 23:40	17060-07-0	
4-Bromofluorobenzene (S)	97	%	79-124	1		01/26/18 23:40	460-00-4	
Toluene-d8 (S)	102	%	69-124	1		01/26/18 23:40	2037-26-5	
TIC MSV Water	Analytical Method: EPA 8260							
TIC Search	**No TICs Found**			1		01/29/18 16:28		
2320B Alkalinity	Analytical Method: SM22 2320B							
Alkalinity, Total as CaCO3	**305**	mg/L	1.0	1		02/02/18 10:56		
Alkalinity,Bicarbonate (CaCO3)	**305**	mg/L	1.0	1		02/02/18 10:56		
Alkalinity,Carbonate (CaCO3)	**<1.0**	mg/L	1.0	1		02/02/18 10:56		
2540C Total Dissolved Solids	Analytical Method: SM22 2540C							
Total Dissolved Solids	**25700**	mg/L	1000	1		01/29/18 13:32		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Sample: MW-119 **Lab ID: 7041247003** Collected: 01/24/18 11:00 Received: 01/24/18 14:51 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	**1550**	mg/L	100	1	01/26/18 11:19	01/26/18 13:48		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**15500**	mg/L	1000	500		01/25/18 19:29	16887-00-6	
Sulfate	**2120**	mg/L	250	50		01/25/18 19:00	14808-79-8	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	**1.4**	mg/L	0.10	1	02/02/18 06:17	02/02/18 13:19	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrate-Nitrite (as N)	**0.082**	mg/L	0.050	1		01/25/18 12:27	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**<0.050**	mg/L	0.050	1		01/25/18 08:07	14797-65-0	
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H							
Nitrogen, Ammonia	**0.78**	mg/L	0.10	1		01/29/18 12:25	7664-41-7	
9014 Cyanide, Total	Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C							
Cyanide	**<10.0**	ug/L	10.0	1	02/07/18 10:17	02/07/18 17:13	57-12-5	

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ANALYTICAL RESULTS

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Sample: TRIP BLANK **Lab ID: 7041247004** Collected: 01/24/18 00:00 Received: 01/24/18 14:51 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		01/26/18 21:03	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		01/26/18 21:03	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		01/26/18 21:03	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		01/26/18 21:03	79-00-5	
1,1-Dichloroethane	ND	ug/L	5.0	1		01/26/18 21:03	75-34-3	
1,1-Dichloroethene	ND	ug/L	5.0	1		01/26/18 21:03	75-35-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		01/26/18 21:03	96-18-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		01/26/18 21:03	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		01/26/18 21:03	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		01/26/18 21:03	95-50-1	
1,2-Dichloroethane	ND	ug/L	5.0	1		01/26/18 21:03	107-06-2	
1,2-Dichloropropane	ND	ug/L	5.0	1		01/26/18 21:03	78-87-5	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		01/26/18 21:03	106-46-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		01/26/18 21:03	78-93-3	
2-Hexanone	ND	ug/L	5.0	1		01/26/18 21:03	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		01/26/18 21:03	108-10-1	
Acetone	ND	ug/L	5.0	1		01/26/18 21:03	67-64-1	
Acrylonitrile	ND	ug/L	5.0	1		01/26/18 21:03	107-13-1	
Benzene	ND	ug/L	5.0	1		01/26/18 21:03	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		01/26/18 21:03	74-97-5	L1
Bromodichloromethane	ND	ug/L	5.0	1		01/26/18 21:03	75-27-4	
Bromoform	ND	ug/L	5.0	1		01/26/18 21:03	75-25-2	
Bromomethane	ND	ug/L	5.0	1		01/26/18 21:03	74-83-9	
Carbon disulfide	ND	ug/L	5.0	1		01/26/18 21:03	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		01/26/18 21:03	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		01/26/18 21:03	108-90-7	
Chloroethane	ND	ug/L	5.0	1		01/26/18 21:03	75-00-3	
Chloroform	ND	ug/L	5.0	1		01/26/18 21:03	67-66-3	
Chloromethane	ND	ug/L	5.0	1		01/26/18 21:03	74-87-3	CL
Dibromochloromethane	ND	ug/L	5.0	1		01/26/18 21:03	124-48-1	
Dibromomethane	ND	ug/L	5.0	1		01/26/18 21:03	74-95-3	
Ethylbenzene	ND	ug/L	5.0	1		01/26/18 21:03	100-41-4	
Iodomethane	ND	ug/L	5.0	1		01/26/18 21:03	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		01/26/18 21:03	75-09-2	
Styrene	ND	ug/L	5.0	1		01/26/18 21:03	100-42-5	
Tetrachloroethene	ND	ug/L	5.0	1		01/26/18 21:03	127-18-4	
Toluene	ND	ug/L	5.0	1		01/26/18 21:03	108-88-3	
Trichloroethene	ND	ug/L	5.0	1		01/26/18 21:03	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		01/26/18 21:03	75-69-4	
Vinyl acetate	ND	ug/L	5.0	1		01/26/18 21:03	108-05-4	
Xylene (Total)	ND	ug/L	5.0	1		01/26/18 21:03	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		01/26/18 21:03	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		01/26/18 21:03	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		01/26/18 21:03	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		01/26/18 21:03	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1		01/26/18 21:03	110-57-6	

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(631)694-3040

ANALYTICAL RESULTS

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Sample: TRIP BLANK **Lab ID: 7041247004** Collected: 01/24/18 00:00 Received: 01/24/18 14:51 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Surrogates								
1,2-Dichloroethane-d4 (S)	86	%	68-153	1		01/26/18 21:03	17060-07-0	
4-Bromofluorobenzene (S)	97	%	79-124	1		01/26/18 21:03	460-00-4	
Toluene-d8 (S)	102	%	69-124	1		01/26/18 21:03	2037-26-5	
TIC MSV Water	Analytical Method: EPA 8260							
TIC Search	**No TICs Found**			1		01/29/18 16:29		

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ANALYTICAL RESULTS

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Sample: MW-122 **Lab ID: 7041247005** Collected: 01/24/18 09:00 Received: 01/24/18 14:51 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081B Preparation Method: EPA 3510C							
alpha-BHC	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/06/18 00:22	319-84-6	
gamma-BHC (Lindane)	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/06/18 00:22	58-89-9	
beta-BHC	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/06/18 00:22	319-85-7	
Heptachlor	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/06/18 00:22	76-44-8	
delta-BHC	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/06/18 00:22	319-86-8	
Aldrin	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/06/18 00:22	309-00-2	
Heptachlor epoxide	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/06/18 00:22	1024-57-3	
Endosulfan I	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/06/18 00:22	959-98-8	
4,4'-DDE	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/06/18 00:22	72-55-9	
Dieldrin	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/06/18 00:22	60-57-1	
Endrin	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/06/18 00:22	72-20-8	
4,4'-DDD	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/06/18 00:22	72-54-8	
Endosulfan II	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/06/18 00:22	33213-65-9	
4,4'-DDT	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/06/18 00:22	50-29-3	
Endrin aldehyde	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/06/18 00:22	7421-93-4	
Endosulfan sulfate	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/06/18 00:22	1031-07-8	
Methoxychlor	**<0.50**	ug/L	0.50	1	01/31/18 19:34	02/06/18 00:22	72-43-5	
Endrin ketone	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/06/18 00:22	53494-70-5	
alpha-Chlordane	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/06/18 00:22	5103-71-9	
gamma-Chlordane	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/06/18 00:22	5103-74-2	
Toxaphene	**<5.0**	ug/L	5.0	1	01/31/18 19:34	02/06/18 00:22	8001-35-2	
Surrogates								
Decachlorobiphenyl (S)	55	%	30-150	1	01/31/18 19:34	02/06/18 00:22	2051-24-3	
Tetrachloro-m-xylene (S)	68	%	30-150	1	01/31/18 19:34	02/06/18 00:22	877-09-8	
8082 GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3510C							
PCB-1016 (Aroclor 1016)	**<1.0**	ug/L	1.0	1	01/25/18 19:52	01/26/18 19:23	12674-11-2	
PCB-1221 (Aroclor 1221)	**<2.0**	ug/L	2.0	1	01/25/18 19:52	01/26/18 19:23	11104-28-2	
PCB-1232 (Aroclor 1232)	**<1.0**	ug/L	1.0	1	01/25/18 19:52	01/26/18 19:23	11141-16-5	
PCB-1242 (Aroclor 1242)	**<1.0**	ug/L	1.0	1	01/25/18 19:52	01/26/18 19:23	53469-21-9	
PCB-1248 (Aroclor 1248)	**<1.0**	ug/L	1.0	1	01/25/18 19:52	01/26/18 19:23	12672-29-6	
PCB-1254 (Aroclor 1254)	**<1.0**	ug/L	1.0	1	01/25/18 19:52	01/26/18 19:23	11097-69-1	
PCB-1260 (Aroclor 1260)	**<1.0**	ug/L	1.0	1	01/25/18 19:52	01/26/18 19:23	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	60	%	30-150	1	01/25/18 19:52	01/26/18 19:23	877-09-8	
Decachlorobiphenyl (S)	82	%	30-150	1	01/25/18 19:52	01/26/18 19:23	2051-24-3	
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Aluminum	**33.5J**	ug/L	200	1	01/26/18 09:58	02/01/18 10:40	7429-90-5	
Antimony	**<60.0**	ug/L	60.0	1	01/26/18 09:58	02/01/18 10:40	7440-36-0	
Arsenic	**<10.0**	ug/L	10.0	1	01/26/18 09:58	02/01/18 10:40	7440-38-2	
Barium	**470**	ug/L	200	1	01/26/18 09:58	02/01/18 10:40	7440-39-3	
Beryllium	**<5.0**	ug/L	5.0	1	01/26/18 09:58	02/01/18 10:40	7440-41-7	
Boron	**1200**	ug/L	50.0	1	01/26/18 09:58	02/01/18 10:40	7440-42-8	
Cadmium	**<2.5**	ug/L	2.5	1	01/26/18 09:58	02/01/18 10:40	7440-43-9	
Calcium	**6810**	ug/L	1000	1	01/26/18 09:58	02/01/18 10:40	7440-70-2	
Chromium	**19.5**	ug/L	10.0	1	01/26/18 09:58	02/01/18 10:40	7440-47-3	

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ANALYTICAL RESULTS

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Sample: MW-122 **Lab ID: 7041247005** Collected: 01/24/18 09:00 Received: 01/24/18 14:51 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Cobalt	**14.1J**	ug/L	50.0	1	01/26/18 09:58	02/01/18 10:40	7440-48-4	
Copper	**<25.0**	ug/L	25.0	1	01/26/18 09:58	02/01/18 10:40	7440-50-8	
Iron	**1800**	ug/L	20.0	1	01/26/18 09:58	02/01/18 10:40	7439-89-6	
Lead	**<5.0**	ug/L	5.0	1	01/26/18 09:58	02/01/18 10:40	7439-92-1	
Magnesium	**41900**	ug/L	1000	1	01/26/18 09:58	02/01/18 10:40	7439-95-4	
Manganese	**0.68J**	ug/L	10.0	1	01/26/18 09:58	02/01/18 10:40	7439-96-5	
Nickel	**193**	ug/L	40.0	1	01/26/18 09:58	02/01/18 10:40	7440-02-0	
Potassium	**49600**	ug/L	5000	1	01/26/18 09:58	02/01/18 10:40	7440-09-7	
Selenium	**<10.0**	ug/L	10.0	1	01/26/18 09:58	02/01/18 10:40	7782-49-2	
Silver	**<10.0**	ug/L	10.0	1	01/26/18 09:58	02/01/18 10:40	7440-22-4	
Sodium	**490000**	ug/L	5000	1	01/26/18 09:58	02/01/18 10:40	7440-23-5	
Thallium	**17.1**	ug/L	10.0	1	01/26/18 09:58	02/01/18 10:40	7440-28-0	
Vanadium	**9.1J**	ug/L	50.0	1	01/26/18 09:58	02/01/18 10:40	7440-62-2	
Zinc	**2.0J**	ug/L	20.0	1	01/26/18 09:58	02/01/18 10:40	7440-66-6	
200.7 Metals, Dissolved	Analytical Method: EPA 200.7							
Aluminum, Dissolved	**<200**	ug/L	200	1		02/07/18 11:36	7429-90-5	
Antimony, Dissolved	**<60.0**	ug/L	60.0	1		02/07/18 11:36	7440-36-0	
Arsenic, Dissolved	**10.5**	ug/L	10.0	1		02/07/18 11:36	7440-38-2	
Barium, Dissolved	**1910**	ug/L	200	1		02/07/18 11:36	7440-39-3	
Beryllium, Dissolved	**<5.0**	ug/L	5.0	1		02/07/18 11:36	7440-41-7	
Boron, Dissolved	**5590**	ug/L	50.0	1		02/07/18 11:36	7440-42-8	
Cadmium, Dissolved	**<2.5**	ug/L	2.5	1		02/07/18 11:36	7440-43-9	
Calcium, Dissolved	**32100**	ug/L	1000	1		02/07/18 11:36	7440-70-2	
Chromium, Dissolved	**80.0**	ug/L	10.0	1		02/07/18 11:36	7440-47-3	
Cobalt, Dissolved	**65.4**	ug/L	50.0	1		02/07/18 11:36	7440-48-4	
Copper, Dissolved	**14.6J**	ug/L	25.0	1		02/07/18 11:36	7440-50-8	
Iron, Dissolved	**3340**	ug/L	20.0	1		02/07/18 11:36	7439-89-6	
Lead, Dissolved	**<100**	ug/L	100	20		02/07/18 11:59	7439-92-1	
Magnesium, Dissolved	**198000**	ug/L	1000	1		02/07/18 11:36	7439-95-4	
Manganese, Dissolved	**<10.0**	ug/L	10.0	1		02/07/18 11:36	7439-96-5	
Nickel, Dissolved	**931**	ug/L	40.0	1		02/07/18 11:36	7440-02-0	
Potassium, Dissolved	**259000**	ug/L	5000	1		02/07/18 11:36	7440-09-7	
Selenium, Dissolved	**<200**	ug/L	200	20		02/07/18 11:59	7782-49-2	
Silver, Dissolved	**<10.0**	ug/L	10.0	1		02/07/18 11:36	7440-22-4	
Sodium, Dissolved	**2660000**	ug/L	100000	20		02/07/18 11:59	7440-23-5	
Thallium, Dissolved	**<10.0**	ug/L	10.0	1		02/07/18 11:36	7440-28-0	
Vanadium, Dissolved	**39.4J**	ug/L	50.0	1		02/07/18 11:36	7440-62-2	
Zinc, Dissolved	**<20.0**	ug/L	20.0	1		02/07/18 11:36	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	**0.082J**	ug/L	0.20	1	01/26/18 11:03	01/29/18 13:47	7439-97-6	B
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	**0.098J**	ug/L	0.20	1	01/26/18 11:03	01/29/18 13:27	7439-97-6	B

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ANALYTICAL RESULTS

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Sample: MW-122 **Lab ID: 7041247005** Collected: 01/24/18 09:00 Received: 01/24/18 14:51 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270D Preparation Method: EPA 3510C							
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 16:50	120-82-1	
1,2-Dichlorobenzene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 16:50	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 16:50	541-73-1	
1,4-Dichlorobenzene	**4.2J**	ug/L	1.0	1	01/25/18 11:24	01/26/18 16:50	106-46-7	
2,2'-Oxybis(1-chloropropane)	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 16:50	108-60-1	
2,4,5-Trichlorophenol	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 16:50	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 16:50	88-06-2	
2,4-Dichlorophenol	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 16:50	120-83-2	
2,4-Dimethylphenol	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 16:50	105-67-9	
2,4-Dinitrophenol	ND	ug/L	10.0	1	01/25/18 11:24	01/26/18 16:50	51-28-5	L1
2,4-Dinitrotoluene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 16:50	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 16:50	606-20-2	
2-Chloronaphthalene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 16:50	91-58-7	
2-Chlorophenol	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 16:50	95-57-8	
2-Methylnaphthalene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 16:50	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 16:50	95-48-7	
2-Nitroaniline	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 16:50	88-74-4	
2-Nitrophenol	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 16:50	88-75-5	
3&4-Methylphenol(m&p Cresol)	**1.5J**	ug/L	1.0	1	01/25/18 11:24	01/26/18 16:50		
3,3'-Dichlorobenzidine	ND	ug/L	10.0	1	01/25/18 11:24	01/26/18 16:50	91-94-1	
3-Nitroaniline	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 16:50	99-09-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	10.0	1	01/25/18 11:24	01/26/18 16:50	534-52-1	
4-Bromophenylphenyl ether	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 16:50	101-55-3	
4-Chloro-3-methylphenol	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 16:50	59-50-7	
4-Chloroaniline	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 16:50	106-47-8	
4-Chlorophenylphenyl ether	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 16:50	7005-72-3	
4-Nitroaniline	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 16:50	100-01-6	
4-Nitrophenol	ND	ug/L	10.0	1	01/25/18 11:24	01/26/18 16:50	100-02-7	
Acenaphthene	**3.2J**	ug/L	1.0	1	01/25/18 11:24	01/26/18 16:50	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 16:50	208-96-8	
Anthracene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 16:50	120-12-7	
Benzo(a)anthracene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 16:50	56-55-3	
Benzo(a)pyrene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 16:50	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 16:50	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 16:50	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 16:50	207-08-9	
Butylbenzylphthalate	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 16:50	85-68-7	
Carbazole	**<5.0**	ug/L	5.0	1	01/25/18 11:24	01/26/18 16:50	86-74-8	
Chrysene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 16:50	218-01-9	
Di-n-butylphthalate	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 16:50	84-74-2	
Di-n-octylphthalate	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 16:50	117-84-0	
Dibenz(a,h)anthracene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 16:50	53-70-3	
Dibenzofuran	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 16:50	132-64-9	
Diethylphthalate	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 16:50	84-66-2	
Dimethylphthalate	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 16:50	131-11-3	
Fluoranthene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 16:50	206-44-0	
Fluorene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 16:50	86-73-7	

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Sample: MW-122 **Lab ID: 7041247005** Collected: 01/24/18 09:00 Received: 01/24/18 14:51 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270D Preparation Method: EPA 3510C							
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 16:50	87-68-3	
Hexachlorobenzene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 16:50	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	01/25/18 11:24	01/26/18 16:50	77-47-4	CL,IC,L1
Hexachloroethane	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 16:50	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 16:50	193-39-5	
Isophorone	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 16:50	78-59-1	
N-Nitroso-di-n-propylamine	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 16:50	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 16:50	86-30-6	
Naphthalene	**3.2J**	ug/L	1.0	1	01/25/18 11:24	01/26/18 16:50	91-20-3	
Nitrobenzene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 16:50	98-95-3	
Pentachlorophenol	ND	ug/L	10.0	1	01/25/18 11:24	01/26/18 16:50	87-86-5	
Phenanthrene	**1.9J**	ug/L	1.0	1	01/25/18 11:24	01/26/18 16:50	85-01-8	
Phenol	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 16:50	108-95-2	
Pyrene	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 16:50	129-00-0	
bis(2-Chloroethoxy)methane	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 16:50	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 16:50	111-44-4	
bis(2-Ethylhexyl)phthalate	ND	ug/L	1.0	1	01/25/18 11:24	01/26/18 16:50	117-81-7	
Surrogates								
Nitrobenzene-d5 (S)	73	%	35-114	1	01/25/18 11:24	01/26/18 16:50	4165-60-0	
2-Fluorobiphenyl (S)	76	%	43-116	1	01/25/18 11:24	01/26/18 16:50	321-60-8	
p-Terphenyl-d14 (S)	80	%	33-141	1	01/25/18 11:24	01/26/18 16:50	1718-51-0	
Phenol-d5 (S)	35	%	10-110	1	01/25/18 11:24	01/26/18 16:50	4165-62-2	
2-Fluorophenol (S)	47	%	21-110	1	01/25/18 11:24	01/26/18 16:50	367-12-4	
2,4,6-Tribromophenol (S)	90	%	10-123	1	01/25/18 11:24	01/26/18 16:50	118-79-6	
2-Chlorophenol-d4 (S)	73	%	33-110	1	01/25/18 11:24	01/26/18 16:50	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	61	%	16-110	1	01/25/18 11:24	01/26/18 16:50	2199-69-1	
Tentatively Identified Compounds								
Pyrazine, trimethyl-	**18.1J**	ug/L		1	01/25/18 11:24	01/26/18 16:50	14667-55-1	N
Substituted pyrazine	**12.5J**	ug/L		1	01/25/18 11:24	01/26/18 16:50		
Butoxyacetic acid	**33.3J**	ug/L		1	01/25/18 11:24	01/26/18 16:50	2516-93-0	N
Hexanoic acid, 3,5,5-tri	**129J**	ug/L		1	01/25/18 11:24	01/26/18 16:50	3302-10-1	N
Unknown	**9.5J**	ug/L		1	01/25/18 11:24	01/26/18 16:50		
Unknown	**27.4J**	ug/L		1	01/25/18 11:24	01/26/18 16:50		
Unknown	**10.7J**	ug/L		1	01/25/18 11:24	01/26/18 16:50		
Unknown	**11.1J**	ug/L		1	01/25/18 11:24	01/26/18 16:50		
tert-butyl Phenol isomer	**10.1J**	ug/L		1	01/25/18 11:24	01/26/18 16:50		
Unknown	**6.7J**	ug/L		1	01/25/18 11:24	01/26/18 16:50		
Unknown	**8.5J**	ug/L		1	01/25/18 11:24	01/26/18 16:50		
Unknown	**6.3J**	ug/L		1	01/25/18 11:24	01/26/18 16:50		
Diethyltoluamide	**13.2J**	ug/L		1	01/25/18 11:24	01/26/18 16:50	134-62-3	N
Unknown	**26.7J**	ug/L		1	01/25/18 11:24	01/26/18 16:50		
Unknown	**9.7J**	ug/L		1	01/25/18 11:24	01/26/18 16:50		
Unknown	**10.6J**	ug/L		1	01/25/18 11:24	01/26/18 16:50		
Unknown	**8.4J**	ug/L		1	01/25/18 11:24	01/26/18 16:50		
Benzenesulfonamide, N-et	**14.8J**	ug/L		1	01/25/18 11:24	01/26/18 16:50	1077-56-1	N
Unknown	**9.9J**	ug/L		1	01/25/18 11:24	01/26/18 16:50		
Unknown	**23.2J**	ug/L		1	01/25/18 11:24	01/26/18 16:50		

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Sample: MW-122 **Lab ID: 7041247005** Collected: 01/24/18 09:00 Received: 01/24/18 14:51 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		01/27/18 01:38	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		01/27/18 01:38	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		01/27/18 01:38	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		01/27/18 01:38	79-00-5	
1,1-Dichloroethane	ND	ug/L	5.0	1		01/27/18 01:38	75-34-3	
1,1-Dichloroethene	ND	ug/L	5.0	1		01/27/18 01:38	75-35-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		01/27/18 01:38	96-18-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		01/27/18 01:38	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		01/27/18 01:38	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		01/27/18 01:38	95-50-1	
1,2-Dichloroethane	ND	ug/L	5.0	1		01/27/18 01:38	107-06-2	
1,2-Dichloropropane	ND	ug/L	5.0	1		01/27/18 01:38	78-87-5	
1,4-Dichlorobenzene	**8.0**	ug/L	5.0	1		01/27/18 01:38	106-46-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		01/27/18 01:38	78-93-3	
2-Hexanone	ND	ug/L	5.0	1		01/27/18 01:38	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		01/27/18 01:38	108-10-1	
Acetone	**7.6**	ug/L	5.0	1		01/27/18 01:38	67-64-1	CH
Acrylonitrile	ND	ug/L	5.0	1		01/27/18 01:38	107-13-1	
Benzene	**8.5**	ug/L	5.0	1		01/27/18 01:38	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		01/27/18 01:38	74-97-5	L1
Bromodichloromethane	ND	ug/L	5.0	1		01/27/18 01:38	75-27-4	
Bromoform	ND	ug/L	5.0	1		01/27/18 01:38	75-25-2	
Bromomethane	ND	ug/L	5.0	1		01/27/18 01:38	74-83-9	
Carbon disulfide	ND	ug/L	5.0	1		01/27/18 01:38	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		01/27/18 01:38	56-23-5	
Chlorobenzene	**40.3**	ug/L	5.0	1		01/27/18 01:38	108-90-7	
Chloroethane	ND	ug/L	5.0	1		01/27/18 01:38	75-00-3	
Chloroform	ND	ug/L	5.0	1		01/27/18 01:38	67-66-3	
Chloromethane	ND	ug/L	5.0	1		01/27/18 01:38	74-87-3	CL
Dibromochloromethane	ND	ug/L	5.0	1		01/27/18 01:38	124-48-1	
Dibromomethane	ND	ug/L	5.0	1		01/27/18 01:38	74-95-3	
Ethylbenzene	ND	ug/L	5.0	1		01/27/18 01:38	100-41-4	
Iodomethane	ND	ug/L	5.0	1		01/27/18 01:38	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		01/27/18 01:38	75-09-2	
Styrene	ND	ug/L	5.0	1		01/27/18 01:38	100-42-5	
Tetrachloroethene	ND	ug/L	5.0	1		01/27/18 01:38	127-18-4	
Toluene	ND	ug/L	5.0	1		01/27/18 01:38	108-88-3	
Trichloroethene	ND	ug/L	5.0	1		01/27/18 01:38	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		01/27/18 01:38	75-69-4	
Vinyl acetate	ND	ug/L	5.0	1		01/27/18 01:38	108-05-4	
Xylene (Total)	ND	ug/L	5.0	1		01/27/18 01:38	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		01/27/18 01:38	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		01/27/18 01:38	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		01/27/18 01:38	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		01/27/18 01:38	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1		01/27/18 01:38	110-57-6	

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575 Broad Hollow Road
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ANALYTICAL RESULTS

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Sample: MW-122 **Lab ID: 7041247005** Collected: 01/24/18 09:00 Received: 01/24/18 14:51 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Surrogates								
1,2-Dichloroethane-d4 (S)	85	%	68-153	1		01/27/18 01:38	17060-07-0	
4-Bromofluorobenzene (S)	99	%	79-124	1		01/27/18 01:38	460-00-4	
Toluene-d8 (S)	99	%	69-124	1		01/27/18 01:38	2037-26-5	
Tentatively Identified Compounds								
Unknown Petroleum Alkane	**16.3J**	ug/L		1		01/27/18 01:38		
Unknown	**16.1J**	ug/L		1		01/27/18 01:38		
Unknown	**6.5J**	ug/L		1		01/27/18 01:38		
Unknown Aromatic Hydroca	**10.1J**	ug/L		1		01/27/18 01:38		
2320B Alkalinity	Analytical Method: SM22 2320B							
Alkalinity, Total as CaCO3	**3780**	mg/L	5.0	1		02/06/18 08:12		
Alkalinity,Bicarbonate (CaCO3)	**3780**	mg/L	5.0	1		02/06/18 08:12		
Alkalinity,Carbonate (CaCO3)	**<5.0**	mg/L	5.0	1		02/06/18 08:12		
2540C Total Dissolved Solids	Analytical Method: SM22 2540C							
Total Dissolved Solids	**8300**	mg/L	200	1		01/29/18 13:33		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	**1910**	mg/L	100	1	01/26/18 11:19	01/26/18 13:48		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**2680**	mg/L	200	100		01/25/18 20:26	16887-00-6	
Sulfate	**23.1**	mg/L	5.0	1		01/25/18 20:11	14808-79-8	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	**408**	mg/L	25.0	50	02/02/18 06:17	02/02/18 13:20	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrate-Nitrite (as N)	**<0.050**	mg/L	0.050	1		01/25/18 12:28	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**<0.050**	mg/L	0.050	1		01/25/18 08:08	14797-65-0	
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H							
Nitrogen, Ammonia	**356**	mg/L	10.0	100		01/29/18 12:29	7664-41-7	
9014 Cyanide, Total	Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C							
Cyanide	**<10.0**	ug/L	10.0	1	02/07/18 10:17	02/07/18 17:13	57-12-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Sample: STORAGE BLANK **Lab ID: 7041247006** Collected: 01/24/18 00:00 Received: 01/24/18 14:51 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		01/26/18 21:23	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		01/26/18 21:23	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		01/26/18 21:23	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		01/26/18 21:23	79-00-5	
1,1-Dichloroethane	ND	ug/L	5.0	1		01/26/18 21:23	75-34-3	
1,1-Dichloroethene	ND	ug/L	5.0	1		01/26/18 21:23	75-35-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		01/26/18 21:23	96-18-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		01/26/18 21:23	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		01/26/18 21:23	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		01/26/18 21:23	95-50-1	
1,2-Dichloroethane	ND	ug/L	5.0	1		01/26/18 21:23	107-06-2	
1,2-Dichloropropane	ND	ug/L	5.0	1		01/26/18 21:23	78-87-5	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		01/26/18 21:23	106-46-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		01/26/18 21:23	78-93-3	
2-Hexanone	ND	ug/L	5.0	1		01/26/18 21:23	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		01/26/18 21:23	108-10-1	
Acetone	ND	ug/L	5.0	1		01/26/18 21:23	67-64-1	
Acrylonitrile	ND	ug/L	5.0	1		01/26/18 21:23	107-13-1	
Benzene	ND	ug/L	5.0	1		01/26/18 21:23	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		01/26/18 21:23	74-97-5	L1
Bromodichloromethane	ND	ug/L	5.0	1		01/26/18 21:23	75-27-4	
Bromoform	ND	ug/L	5.0	1		01/26/18 21:23	75-25-2	
Bromomethane	ND	ug/L	5.0	1		01/26/18 21:23	74-83-9	
Carbon disulfide	ND	ug/L	5.0	1		01/26/18 21:23	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		01/26/18 21:23	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		01/26/18 21:23	108-90-7	
Chloroethane	ND	ug/L	5.0	1		01/26/18 21:23	75-00-3	
Chloroform	ND	ug/L	5.0	1		01/26/18 21:23	67-66-3	
Chloromethane	ND	ug/L	5.0	1		01/26/18 21:23	74-87-3	CL
Dibromochloromethane	ND	ug/L	5.0	1		01/26/18 21:23	124-48-1	
Dibromomethane	ND	ug/L	5.0	1		01/26/18 21:23	74-95-3	
Ethylbenzene	ND	ug/L	5.0	1		01/26/18 21:23	100-41-4	
Iodomethane	ND	ug/L	5.0	1		01/26/18 21:23	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		01/26/18 21:23	75-09-2	
Styrene	ND	ug/L	5.0	1		01/26/18 21:23	100-42-5	
Tetrachloroethene	ND	ug/L	5.0	1		01/26/18 21:23	127-18-4	
Toluene	ND	ug/L	5.0	1		01/26/18 21:23	108-88-3	
Trichloroethene	ND	ug/L	5.0	1		01/26/18 21:23	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		01/26/18 21:23	75-69-4	
Vinyl acetate	ND	ug/L	5.0	1		01/26/18 21:23	108-05-4	
Xylene (Total)	ND	ug/L	5.0	1		01/26/18 21:23	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		01/26/18 21:23	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		01/26/18 21:23	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		01/26/18 21:23	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		01/26/18 21:23	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1		01/26/18 21:23	110-57-6	

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Sample: STORAGE BLANK **Lab ID: 7041247006** Collected: 01/24/18 00:00 Received: 01/24/18 14:51 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Surrogates								
1,2-Dichloroethane-d4 (S)	86	%	68-153	1		01/26/18 21:23	17060-07-0	
4-Bromofluorobenzene (S)	95	%	79-124	1		01/26/18 21:23	460-00-4	
Toluene-d8 (S)	99	%	69-124	1		01/26/18 21:23	2037-26-5	
TIC MSV Water	Analytical Method: EPA 8260							
TIC Search	**No TICs Found**			1		01/29/18 16:29		

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(631)694-3040

ANALYTICAL RESULTS

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Sample: MW-120 **Lab ID: 7041247007** Collected: 01/25/18 09:30 Received: 01/25/18 17:41 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081B Preparation Method: EPA 3510C							
Aldrin	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/06/18 00:40	309-00-2	
alpha-BHC	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/06/18 00:40	319-84-6	
beta-BHC	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/06/18 00:40	319-85-7	
delta-BHC	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/06/18 00:40	319-86-8	
gamma-BHC (Lindane)	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/06/18 00:40	58-89-9	
alpha-Chlordane	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/06/18 00:40	5103-71-9	
gamma-Chlordane	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/06/18 00:40	5103-74-2	
4,4'-DDD	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/06/18 00:40	72-54-8	
4,4'-DDE	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/06/18 00:40	72-55-9	
4,4'-DDT	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/06/18 00:40	50-29-3	
Dieldrin	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/06/18 00:40	60-57-1	
Endosulfan I	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/06/18 00:40	959-98-8	
Endosulfan II	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/06/18 00:40	33213-65-9	
Endosulfan sulfate	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/06/18 00:40	1031-07-8	
Endrin	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/06/18 00:40	72-20-8	
Endrin aldehyde	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/06/18 00:40	7421-93-4	
Endrin ketone	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/06/18 00:40	53494-70-5	
Heptachlor	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/06/18 00:40	76-44-8	
Heptachlor epoxide	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/06/18 00:40	1024-57-3	
Methoxychlor	**<0.50**	ug/L	0.50	1	01/31/18 19:34	02/06/18 00:40	72-43-5	
Toxaphene	**<5.0**	ug/L	5.0	1	01/31/18 19:34	02/06/18 00:40	8001-35-2	
Surrogates								
Decachlorobiphenyl (S)	79	%	30-150	1	01/31/18 19:34	02/06/18 00:40	2051-24-3	
Tetrachloro-m-xylene (S)	73	%	30-150	1	01/31/18 19:34	02/06/18 00:40	877-09-8	
8082 GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3510C							
PCB-1016 (Aroclor 1016)	**<1.0**	ug/L	1.0	1	01/27/18 03:46	01/31/18 02:34	12674-11-2	
PCB-1221 (Aroclor 1221)	**<2.0**	ug/L	2.0	1	01/27/18 03:46	01/31/18 02:34	11104-28-2	
PCB-1232 (Aroclor 1232)	**<1.0**	ug/L	1.0	1	01/27/18 03:46	01/31/18 02:34	11141-16-5	
PCB-1242 (Aroclor 1242)	**<1.0**	ug/L	1.0	1	01/27/18 03:46	01/31/18 02:34	53469-21-9	
PCB-1248 (Aroclor 1248)	**<1.0**	ug/L	1.0	1	01/27/18 03:46	01/31/18 02:34	12672-29-6	
PCB-1254 (Aroclor 1254)	**<1.0**	ug/L	1.0	1	01/27/18 03:46	01/31/18 02:34	11097-69-1	
PCB-1260 (Aroclor 1260)	**<1.0**	ug/L	1.0	1	01/27/18 03:46	01/31/18 02:34	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	77	%	30-150	1	01/27/18 03:46	01/31/18 02:34	877-09-8	
Decachlorobiphenyl (S)	63	%	30-150	1	01/27/18 03:46	01/31/18 02:34	2051-24-3	
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Aluminum	**71.6J**	ug/L	200	1	01/29/18 09:03	02/01/18 21:11	7429-90-5	
Antimony	**<60.0**	ug/L	60.0	1	01/29/18 09:03	02/01/18 21:11	7440-36-0	
Arsenic	**<10.0**	ug/L	10.0	1	01/29/18 09:03	02/01/18 21:11	7440-38-2	
Barium	**112J**	ug/L	200	1	01/29/18 09:03	02/01/18 21:11	7440-39-3	
Beryllium	**<5.0**	ug/L	5.0	1	01/29/18 09:03	02/01/18 21:11	7440-41-7	
Boron	**4990**	ug/L	50.0	1	01/29/18 09:03	02/01/18 21:11	7440-42-8	
Cadmium	**<2.5**	ug/L	2.5	1	01/29/18 09:03	02/01/18 21:11	7440-43-9	
Calcium	**526000**	ug/L	1000	1	01/29/18 09:03	02/01/18 21:11	7440-70-2	M1
Chromium	**3.3J**	ug/L	10.0	1	01/29/18 09:03	02/01/18 21:11	7440-47-3	

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Sample: MW-120 **Lab ID: 7041247007** Collected: 01/25/18 09:30 Received: 01/25/18 17:41 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Cobalt	**5.8J**	ug/L	50.0	1	01/29/18 09:03	02/01/18 21:11	7440-48-4	
Copper	**<25.0**	ug/L	25.0	1	01/29/18 09:03	02/01/18 21:11	7440-50-8	
Iron	**2120**	ug/L	20.0	1	01/29/18 09:03	02/01/18 21:11	7439-89-6	
Lead	**<5.0**	ug/L	5.0	1	01/29/18 09:03	02/01/18 21:11	7439-92-1	
Magnesium	**640000**	ug/L	1000	1	01/29/18 09:03	02/01/18 21:11	7439-95-4	
Manganese	**897**	ug/L	10.0	1	01/29/18 09:03	02/01/18 21:11	7439-96-5	
Nickel	**13.4J**	ug/L	40.0	1	01/29/18 09:03	02/01/18 21:11	7440-02-0	
Potassium	**157000**	ug/L	5000	1	01/29/18 09:03	02/01/18 21:11	7440-09-7	
Selenium	**<10.0**	ug/L	10.0	1	01/29/18 09:03	02/01/18 21:11	7782-49-2	
Silver	**<10.0**	ug/L	10.0	1	01/29/18 09:03	02/01/18 21:11	7440-22-4	
Sodium	**6550000**	ug/L	100000	20	01/29/18 09:03	02/02/18 12:03	7440-23-5	M6
Thallium	**<10.0**	ug/L	10.0	1	01/29/18 09:03	02/01/18 21:11	7440-28-0	
Vanadium	**<50.0**	ug/L	50.0	1	01/29/18 09:03	02/01/18 21:11	7440-62-2	
Zinc	**<20.0**	ug/L	20.0	1	01/29/18 09:03	02/01/18 21:11	7440-66-6	
200.7 Metals, Dissolved	Analytical Method: EPA 200.7							
Aluminum, Dissolved	**<200**	ug/L	200	1		02/07/18 11:37	7429-90-5	
Antimony, Dissolved	**4.1J**	ug/L	60.0	1		02/07/18 11:37	7440-36-0	
Arsenic, Dissolved	**<10.0**	ug/L	10.0	1		02/07/18 11:37	7440-38-2	
Barium, Dissolved	**125J**	ug/L	200	1		02/07/18 11:37	7440-39-3	
Beryllium, Dissolved	**<5.0**	ug/L	5.0	1		02/07/18 11:37	7440-41-7	
Boron, Dissolved	**5010**	ug/L	50.0	1		02/07/18 11:37	7440-42-8	
Cadmium, Dissolved	**<2.5**	ug/L	2.5	1		02/07/18 11:37	7440-43-9	
Calcium, Dissolved	**484000**	ug/L	1000	1		02/07/18 11:37	7440-70-2	
Chromium, Dissolved	**<10.0**	ug/L	10.0	1		02/07/18 11:37	7440-47-3	
Cobalt, Dissolved	**1.1J**	ug/L	50.0	1		02/07/18 11:37	7440-48-4	
Copper, Dissolved	**<25.0**	ug/L	25.0	1		02/07/18 11:37	7440-50-8	
Iron, Dissolved	**2180**	ug/L	20.0	1		02/07/18 11:37	7439-89-6	
Lead, Dissolved	**<5.0**	ug/L	5.0	1		02/07/18 11:37	7439-92-1	
Magnesium, Dissolved	**574000**	ug/L	1000	1		02/07/18 11:37	7439-95-4	
Manganese, Dissolved	**909**	ug/L	10.0	1		02/07/18 11:37	7439-96-5	
Nickel, Dissolved	**38.5J**	ug/L	40.0	1		02/07/18 11:37	7440-02-0	
Potassium, Dissolved	**189000**	ug/L	5000	1		02/07/18 11:37	7440-09-7	
Selenium, Dissolved	**<200**	ug/L	200	20		02/07/18 12:00	7782-49-2	
Silver, Dissolved	**<10.0**	ug/L	10.0	1		02/07/18 11:37	7440-22-4	
Sodium, Dissolved	**<5000**	ug/L	5000	1		02/07/18 11:37	7440-23-5	
Thallium, Dissolved	**6.2J**	ug/L	10.0	1		02/07/18 11:37	7440-28-0	
Vanadium, Dissolved	**4.0J**	ug/L	50.0	1		02/07/18 11:37	7440-62-2	
Zinc, Dissolved	**<20.0**	ug/L	20.0	1		02/07/18 11:37	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	**<0.20**	ug/L	0.20	1	01/29/18 09:34	01/29/18 15:15	7439-97-6	
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	**<0.20**	ug/L	0.20	1	01/29/18 09:34	01/29/18 14:42	7439-97-6	

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ANALYTICAL RESULTS

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Sample: MW-120 **Lab ID: 7041247007** Collected: 01/25/18 09:30 Received: 01/25/18 17:41 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270D Preparation Method: EPA 3510C							
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:19	120-82-1	
1,2-Dichlorobenzene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:19	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:19	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:19	106-46-7	
2,2'-Oxybis(1-chloropropane)	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:19	108-60-1	
2,4,5-Trichlorophenol	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:19	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:19	88-06-2	
2,4-Dichlorophenol	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:19	120-83-2	
2,4-Dimethylphenol	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:19	105-67-9	
2,4-Dinitrophenol	ND	ug/L	10.0	1	01/26/18 10:30	01/29/18 22:19	51-28-5	L1
2,4-Dinitrotoluene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:19	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:19	606-20-2	
2-Chloronaphthalene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:19	91-58-7	
2-Chlorophenol	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:19	95-57-8	
2-Methylnaphthalene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:19	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:19	95-48-7	
2-Nitroaniline	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:19	88-74-4	
2-Nitrophenol	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:19	88-75-5	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:19		
3,3'-Dichlorobenzidine	ND	ug/L	10.0	1	01/26/18 10:30	01/29/18 22:19	91-94-1	
3-Nitroaniline	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:19	99-09-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	10.0	1	01/26/18 10:30	01/29/18 22:19	534-52-1	
4-Bromophenylphenyl ether	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:19	101-55-3	
4-Chloro-3-methylphenol	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:19	59-50-7	
4-Chloroaniline	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:19	106-47-8	CL
4-Chlorophenylphenyl ether	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:19	7005-72-3	
4-Nitroaniline	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:19	100-01-6	
4-Nitrophenol	ND	ug/L	10.0	1	01/26/18 10:30	01/29/18 22:19	100-02-7	IC
Acenaphthene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:19	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:19	208-96-8	
Anthracene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:19	120-12-7	
Benzo(a)anthracene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:19	56-55-3	
Benzo(a)pyrene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:19	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:19	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:19	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:19	207-08-9	
Butylbenzylphthalate	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:19	85-68-7	
Carbazole	**<5.0**	ug/L	5.0	1	01/26/18 10:30	01/29/18 22:19	86-74-8	
Chrysene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:19	218-01-9	
Di-n-butylphthalate	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:19	84-74-2	
Di-n-octylphthalate	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:19	117-84-0	
Dibenz(a,h)anthracene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:19	53-70-3	
Dibenzofuran	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:19	132-64-9	
Diethylphthalate	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:19	84-66-2	
Dimethylphthalate	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:19	131-11-3	
Fluoranthene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:19	206-44-0	
Fluorene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:19	86-73-7	

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ANALYTICAL RESULTS

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Sample: MW-120 **Lab ID: 7041247007** Collected: 01/25/18 09:30 Received: 01/25/18 17:41 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270D Preparation Method: EPA 3510C							
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:19	87-68-3	L1
Hexachlorobenzene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:19	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	01/26/18 10:30	01/29/18 22:19	77-47-4	IC,L1
Hexachloroethane	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:19	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:19	193-39-5	
Isophorone	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:19	78-59-1	
N-Nitroso-di-n-propylamine	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:19	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:19	86-30-6	L1
Naphthalene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:19	91-20-3	
Nitrobenzene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:19	98-95-3	
Pentachlorophenol	ND	ug/L	10.0	1	01/26/18 10:30	01/29/18 22:19	87-86-5	L1
Phenanthrene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:19	85-01-8	
Phenol	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:19	108-95-2	
Pyrene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:19	129-00-0	
bis(2-Chloroethoxy)methane	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:19	111-91-1	L1
bis(2-Chloroethyl) ether	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:19	111-44-4	
bis(2-Ethylhexyl)phthalate	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:19	117-81-7	
Surrogates								
Nitrobenzene-d5 (S)	89	%	35-114	1	01/26/18 10:30	01/29/18 22:19	4165-60-0	
2-Fluorobiphenyl (S)	84	%	43-116	1	01/26/18 10:30	01/29/18 22:19	321-60-8	
p-Terphenyl-d14 (S)	75	%	33-141	1	01/26/18 10:30	01/29/18 22:19	1718-51-0	
Phenol-d5 (S)	37	%	10-110	1	01/26/18 10:30	01/29/18 22:19	4165-62-2	
2-Fluorophenol (S)	54	%	21-110	1	01/26/18 10:30	01/29/18 22:19	367-12-4	
2,4,6-Tribromophenol (S)	107	%	10-123	1	01/26/18 10:30	01/29/18 22:19	118-79-6	
2-Chlorophenol-d4 (S)	84	%	33-110	1	01/26/18 10:30	01/29/18 22:19	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	75	%	16-110	1	01/26/18 10:30	01/29/18 22:19	2199-69-1	
Tentatively Identified Compounds								
Unknown Phenol	**2.3J**	ug/L		1	01/26/18 10:30	01/29/18 22:19		
Diethyltoluamide	**2.3J**	ug/L		1	01/26/18 10:30	01/29/18 22:19	134-62-3	N
Unknown Amine	**2.8J**	ug/L		1	01/26/18 10:30	01/29/18 22:19		
Unknown Organic Acid	**2.3J**	ug/L		1	01/26/18 10:30	01/29/18 22:19		
Unknown	**2.0J**	ug/L		1	01/26/18 10:30	01/29/18 22:19		
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		01/27/18 00:00	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		01/27/18 00:00	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		01/27/18 00:00	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		01/27/18 00:00	79-00-5	
1,1-Dichloroethane	ND	ug/L	5.0	1		01/27/18 00:00	75-34-3	
1,1-Dichloroethene	ND	ug/L	5.0	1		01/27/18 00:00	75-35-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		01/27/18 00:00	96-18-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		01/27/18 00:00	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		01/27/18 00:00	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		01/27/18 00:00	95-50-1	
1,2-Dichloroethane	ND	ug/L	5.0	1		01/27/18 00:00	107-06-2	
1,2-Dichloropropane	ND	ug/L	5.0	1		01/27/18 00:00	78-87-5	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		01/27/18 00:00	106-46-7	

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Sample: MW-120 **Lab ID: 7041247007** Collected: 01/25/18 09:30 Received: 01/25/18 17:41 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
2-Butanone (MEK)	ND	ug/L	5.0	1		01/27/18 00:00	78-93-3	
2-Hexanone	ND	ug/L	5.0	1		01/27/18 00:00	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		01/27/18 00:00	108-10-1	
Acetone	ND	ug/L	5.0	1		01/27/18 00:00	67-64-1	
Acrylonitrile	ND	ug/L	5.0	1		01/27/18 00:00	107-13-1	
Benzene	ND	ug/L	5.0	1		01/27/18 00:00	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		01/27/18 00:00	74-97-5	L1
Bromodichloromethane	ND	ug/L	5.0	1		01/27/18 00:00	75-27-4	
Bromoform	ND	ug/L	5.0	1		01/27/18 00:00	75-25-2	
Bromomethane	ND	ug/L	5.0	1		01/27/18 00:00	74-83-9	
Carbon disulfide	ND	ug/L	5.0	1		01/27/18 00:00	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		01/27/18 00:00	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		01/27/18 00:00	108-90-7	
Chloroethane	ND	ug/L	5.0	1		01/27/18 00:00	75-00-3	
Chloroform	ND	ug/L	5.0	1		01/27/18 00:00	67-66-3	
Chloromethane	ND	ug/L	5.0	1		01/27/18 00:00	74-87-3	CL
Dibromochloromethane	ND	ug/L	5.0	1		01/27/18 00:00	124-48-1	
Dibromomethane	ND	ug/L	5.0	1		01/27/18 00:00	74-95-3	
Ethylbenzene	ND	ug/L	5.0	1		01/27/18 00:00	100-41-4	
Iodomethane	ND	ug/L	5.0	1		01/27/18 00:00	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		01/27/18 00:00	75-09-2	
Styrene	ND	ug/L	5.0	1		01/27/18 00:00	100-42-5	
Tetrachloroethene	ND	ug/L	5.0	1		01/27/18 00:00	127-18-4	
Toluene	ND	ug/L	5.0	1		01/27/18 00:00	108-88-3	
Trichloroethene	ND	ug/L	5.0	1		01/27/18 00:00	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		01/27/18 00:00	75-69-4	
Vinyl acetate	ND	ug/L	5.0	1		01/27/18 00:00	108-05-4	
Xylene (Total)	ND	ug/L	5.0	1		01/27/18 00:00	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		01/27/18 00:00	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		01/27/18 00:00	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		01/27/18 00:00	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		01/27/18 00:00	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1		01/27/18 00:00	110-57-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	86	%	68-153	1		01/27/18 00:00	17060-07-0	
4-Bromofluorobenzene (S)	97	%	79-124	1		01/27/18 00:00	460-00-4	
Toluene-d8 (S)	98	%	69-124	1		01/27/18 00:00	2037-26-5	
2320B Alkalinity	Analytical Method: SM22 2320B							
Alkalinity, Total as CaCO3	**1530**	mg/L	5.0	1		02/08/18 07:57		
Alkalinity,Bicarbonate (CaCO3)	**1530**	mg/L	5.0	1		02/08/18 07:57		
Alkalinity,Carbonate (CaCO3)	**<5.0**	mg/L	5.0	1		02/08/18 07:57		
2540C Total Dissolved Solids	Analytical Method: SM22 2540C							
Total Dissolved Solids	**20500**	mg/L	1000	1		01/31/18 17:03		

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Sample: MW-120 **Lab ID: 7041247007** Collected: 01/25/18 09:30 Received: 01/25/18 17:41 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	**595**	mg/L	40.0	1	01/30/18 11:25	01/30/18 13:44		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**11600**	mg/L	1000	500		01/31/18 05:11	16887-00-6	
Sulfate	**509**	mg/L	100	20		01/31/18 04:44	14808-79-8	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	**6.5**	mg/L	0.50	1	02/02/18 06:17	02/02/18 13:21	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrate-Nitrite (as N)	**<0.050**	mg/L	0.050	1		01/26/18 13:02	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**<0.050**	mg/L	0.050	1		01/26/18 07:26	14797-65-0	
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H							
Nitrogen, Ammonia	**3.0**	mg/L	0.10	1		01/29/18 12:30	7664-41-7	
9014 Cyanide, Total	Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C							
Cyanide	**<10.0**	ug/L	10.0	1	02/08/18 07:28	02/08/18 17:10	57-12-5	

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(631)694-3040

ANALYTICAL RESULTS

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Sample: MW-120-B **Lab ID: 7041247008** Collected: 01/25/18 10:30 Received: 01/25/18 17:41 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081B Preparation Method: EPA 3510C							
Aldrin	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/06/18 00:57	309-00-2	
alpha-BHC	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/06/18 00:57	319-84-6	
beta-BHC	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/06/18 00:57	319-85-7	
delta-BHC	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/06/18 00:57	319-86-8	
gamma-BHC (Lindane)	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/06/18 00:57	58-89-9	
alpha-Chlordane	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/06/18 00:57	5103-71-9	
gamma-Chlordane	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/06/18 00:57	5103-74-2	
4,4'-DDD	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/06/18 00:57	72-54-8	
4,4'-DDE	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/06/18 00:57	72-55-9	
4,4'-DDT	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/06/18 00:57	50-29-3	
Dieldrin	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/06/18 00:57	60-57-1	
Endosulfan I	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/06/18 00:57	959-98-8	
Endosulfan II	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/06/18 00:57	33213-65-9	
Endosulfan sulfate	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/06/18 00:57	1031-07-8	
Endrin	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/06/18 00:57	72-20-8	
Endrin aldehyde	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/06/18 00:57	7421-93-4	
Endrin ketone	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/06/18 00:57	53494-70-5	
Heptachlor	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/06/18 00:57	76-44-8	
Heptachlor epoxide	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/06/18 00:57	1024-57-3	
Methoxychlor	**<0.50**	ug/L	0.50	1	01/31/18 19:34	02/06/18 00:57	72-43-5	
Toxaphene	**<5.0**	ug/L	5.0	1	01/31/18 19:34	02/06/18 00:57	8001-35-2	M1
Surrogates								
Decachlorobiphenyl (S)	88	%	30-150	1	01/31/18 19:34	02/06/18 00:57	2051-24-3	
Tetrachloro-m-xylene (S)	37	%	30-150	1	01/31/18 19:34	02/06/18 00:57	877-09-8	
8082 GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3510C							
PCB-1016 (Aroclor 1016)	**<1.0**	ug/L	1.0	1	01/27/18 03:46	01/31/18 02:47	12674-11-2	M1
PCB-1221 (Aroclor 1221)	**<2.0**	ug/L	2.0	1	01/27/18 03:46	01/31/18 02:47	11104-28-2	
PCB-1232 (Aroclor 1232)	**<1.0**	ug/L	1.0	1	01/27/18 03:46	01/31/18 02:47	11141-16-5	
PCB-1242 (Aroclor 1242)	**<1.0**	ug/L	1.0	1	01/27/18 03:46	01/31/18 02:47	53469-21-9	
PCB-1248 (Aroclor 1248)	**<1.0**	ug/L	1.0	1	01/27/18 03:46	01/31/18 02:47	12672-29-6	
PCB-1254 (Aroclor 1254)	**<1.0**	ug/L	1.0	1	01/27/18 03:46	01/31/18 02:47	11097-69-1	
PCB-1260 (Aroclor 1260)	**<1.0**	ug/L	1.0	1	01/27/18 03:46	01/31/18 02:47	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	78	%	30-150	1	01/27/18 03:46	01/31/18 02:47	877-09-8	
Decachlorobiphenyl (S)	103	%	30-150	1	01/27/18 03:46	01/31/18 02:47	2051-24-3	
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Aluminum	**90.0J**	ug/L	200	1	01/29/18 09:03	02/01/18 21:57	7429-90-5	
Antimony	**<60.0**	ug/L	60.0	1	01/29/18 09:03	02/01/18 21:57	7440-36-0	
Arsenic	**<10.0**	ug/L	10.0	1	01/29/18 09:03	02/01/18 21:57	7440-38-2	
Barium	**202**	ug/L	200	1	01/29/18 09:03	02/01/18 21:57	7440-39-3	
Beryllium	**<5.0**	ug/L	5.0	1	01/29/18 09:03	02/01/18 21:57	7440-41-7	
Boron	**3600**	ug/L	50.0	1	01/29/18 09:03	02/01/18 21:57	7440-42-8	
Cadmium	**<2.5**	ug/L	2.5	1	01/29/18 09:03	02/01/18 21:57	7440-43-9	
Calcium	**314000**	ug/L	1000	1	01/29/18 09:03	02/01/18 21:57	7440-70-2	M1
Chromium	**10.4**	ug/L	10.0	1	01/29/18 09:03	02/01/18 21:57	7440-47-3	

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ANALYTICAL RESULTS

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Sample: MW-120-B **Lab ID: 7041247008** Collected: 01/25/18 10:30 Received: 01/25/18 17:41 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Cobalt	**6.3J**	ug/L	50.0	1	01/29/18 09:03	02/01/18 21:57	7440-48-4	
Copper	**<25.0**	ug/L	25.0	1	01/29/18 09:03	02/01/18 21:57	7440-50-8	
Iron	**<20.0**	ug/L	20.0	1	01/29/18 09:03	02/01/18 21:57	7439-89-6	
Lead	**<5.0**	ug/L	5.0	1	01/29/18 09:03	02/01/18 21:57	7439-92-1	
Magnesium	**970000**	ug/L	1000	1	01/29/18 09:03	02/01/18 21:57	7439-95-4	M1
Manganese	**43.0**	ug/L	10.0	1	01/29/18 09:03	02/01/18 21:57	7439-96-5	
Nickel	**<40.0**	ug/L	40.0	1	01/29/18 09:03	02/01/18 21:57	7440-02-0	
Potassium	**293000**	ug/L	100000	20	01/29/18 09:03	02/02/18 13:03	7440-09-7	
Selenium	**<10.0**	ug/L	10.0	1	01/29/18 09:03	02/01/18 21:57	7782-49-2	M1
Silver	**<10.0**	ug/L	10.0	1	01/29/18 09:03	02/01/18 21:57	7440-22-4	
Sodium	**7770000**	ug/L	100000	20	01/29/18 09:03	02/02/18 13:03	7440-23-5	M6
Thallium	**<10.0**	ug/L	10.0	1	01/29/18 09:03	02/01/18 21:57	7440-28-0	
Vanadium	**13.9J**	ug/L	50.0	1	01/29/18 09:03	02/01/18 21:57	7440-62-2	
Zinc	**<20.0**	ug/L	20.0	1	01/29/18 09:03	02/01/18 21:57	7440-66-6	
200.7 Metals, Dissolved	Analytical Method: EPA 200.7							
Aluminum, Dissolved	**<200**	ug/L	200	1		02/07/18 11:38	7429-90-5	
Antimony, Dissolved	**<60.0**	ug/L	60.0	1		02/07/18 11:38	7440-36-0	
Arsenic, Dissolved	**<10.0**	ug/L	10.0	1		02/07/18 11:38	7440-38-2	
Barium, Dissolved	**224**	ug/L	200	1		02/07/18 11:38	7440-39-3	
Beryllium, Dissolved	**<5.0**	ug/L	5.0	1		02/07/18 11:38	7440-41-7	
Boron, Dissolved	**3470**	ug/L	50.0	1		02/07/18 11:38	7440-42-8	
Cadmium, Dissolved	**<2.5**	ug/L	2.5	1		02/07/18 11:38	7440-43-9	
Calcium, Dissolved	**284000**	ug/L	1000	1		02/07/18 11:38	7440-70-2	M1
Chromium, Dissolved	**<10.0**	ug/L	10.0	1		02/07/18 11:38	7440-47-3	
Cobalt, Dissolved	**<50.0**	ug/L	50.0	1		02/07/18 11:38	7440-48-4	
Copper, Dissolved	**<25.0**	ug/L	25.0	1		02/07/18 11:38	7440-50-8	
Iron, Dissolved	**<20.0**	ug/L	20.0	1		02/07/18 11:38	7439-89-6	
Lead, Dissolved	**<5.0**	ug/L	5.0	1		02/07/18 11:38	7439-92-1	
Magnesium, Dissolved	**817000**	ug/L	1000	1		02/07/18 11:38	7439-95-4	M1
Manganese, Dissolved	**50.9**	ug/L	10.0	1		02/07/18 11:38	7439-96-5	
Nickel, Dissolved	**18.4J**	ug/L	40.0	1		02/07/18 11:38	7440-02-0	
Potassium, Dissolved	**338000**	ug/L	100000	20		02/07/18 12:04	7440-09-7	
Selenium, Dissolved	**<10.0**	ug/L	10.0	1		02/07/18 11:38	7782-49-2	
Silver, Dissolved	**<10.0**	ug/L	10.0	1		02/07/18 11:38	7440-22-4	M1
Sodium, Dissolved	**<5000**	ug/L	5000	1		02/07/18 11:38	7440-23-5	M1
Thallium, Dissolved	**<10.0**	ug/L	10.0	1		02/07/18 11:38	7440-28-0	
Vanadium, Dissolved	**16.0J**	ug/L	50.0	1		02/07/18 11:38	7440-62-2	
Zinc, Dissolved	**<20.0**	ug/L	20.0	1		02/07/18 11:38	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	**0.042J**	ug/L	0.20	1	01/29/18 09:34	01/29/18 15:17	7439-97-6	B
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	**<0.20**	ug/L	0.20	1	01/29/18 09:34	01/29/18 14:44	7439-97-6	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Sample: MW-120-B **Lab ID: 7041247008** Collected: 01/25/18 10:30 Received: 01/25/18 17:41 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270D Preparation Method: EPA 3510C							
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:47	120-82-1	
1,2-Dichlorobenzene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:47	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:47	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:47	106-46-7	
2,2'-Oxybis(1-chloropropane)	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:47	108-60-1	
2,4,5-Trichlorophenol	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:47	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:47	88-06-2	
2,4-Dichlorophenol	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:47	120-83-2	
2,4-Dimethylphenol	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:47	105-67-9	
2,4-Dinitrophenol	ND	ug/L	10.0	1	01/26/18 10:30	01/29/18 22:47	51-28-5	L1,M0
2,4-Dinitrotoluene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:47	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:47	606-20-2	
2-Chloronaphthalene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:47	91-58-7	
2-Chlorophenol	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:47	95-57-8	
2-Methylnaphthalene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:47	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:47	95-48-7	CH
2-Nitroaniline	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:47	88-74-4	
2-Nitrophenol	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:47	88-75-5	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:47		
3,3'-Dichlorobenzidine	ND	ug/L	10.0	1	01/26/18 10:30	01/29/18 22:47	91-94-1	M1
3-Nitroaniline	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:47	99-09-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	10.0	1	01/26/18 10:30	01/29/18 22:47	534-52-1	
4-Bromophenylphenyl ether	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:47	101-55-3	
4-Chloro-3-methylphenol	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:47	59-50-7	
4-Chloroaniline	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:47	106-47-8	CL
4-Chlorophenylphenyl ether	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:47	7005-72-3	
4-Nitroaniline	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:47	100-01-6	
4-Nitrophenol	ND	ug/L	10.0	1	01/26/18 10:30	01/29/18 22:47	100-02-7	IC
Acenaphthene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:47	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:47	208-96-8	
Anthracene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:47	120-12-7	
Benzo(a)anthracene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:47	56-55-3	
Benzo(a)pyrene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:47	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:47	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:47	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:47	207-08-9	
Butylbenzylphthalate	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:47	85-68-7	
Carbazole	**<5.0**	ug/L	5.0	1	01/26/18 10:30	01/29/18 22:47	86-74-8	
Chrysene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:47	218-01-9	
Di-n-butylphthalate	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:47	84-74-2	
Di-n-octylphthalate	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:47	117-84-0	
Dibenz(a,h)anthracene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:47	53-70-3	
Dibenzofuran	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:47	132-64-9	
Diethylphthalate	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:47	84-66-2	
Dimethylphthalate	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:47	131-11-3	
Fluoranthene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:47	206-44-0	
Fluorene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:47	86-73-7	

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Sample: MW-120-B **Lab ID: 7041247008** Collected: 01/25/18 10:30 Received: 01/25/18 17:41 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270D Preparation Method: EPA 3510C							
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:47	87-68-3	L1
Hexachlorobenzene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:47	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	01/26/18 10:30	01/29/18 22:47	77-47-4	IC,IH,L1
Hexachloroethane	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:47	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:47	193-39-5	
Isophorone	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:47	78-59-1	
N-Nitroso-di-n-propylamine	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:47	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:47	86-30-6	L1,M0
Naphthalene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:47	91-20-3	
Nitrobenzene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:47	98-95-3	
Pentachlorophenol	ND	ug/L	10.0	1	01/26/18 10:30	01/29/18 22:47	87-86-5	IH,L1
Phenanthrene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:47	85-01-8	
Phenol	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:47	108-95-2	
Pyrene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:47	129-00-0	
bis(2-Chloroethoxy)methane	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:47	111-91-1	L1
bis(2-Chloroethyl) ether	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:47	111-44-4	
bis(2-Ethylhexyl)phthalate	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 22:47	117-81-7	
Surrogates								
Nitrobenzene-d5 (S)	74	%	35-114	1	01/26/18 10:30	01/29/18 22:47	4165-60-0	
2-Fluorobiphenyl (S)	81	%	43-116	1	01/26/18 10:30	01/29/18 22:47	321-60-8	
p-Terphenyl-d14 (S)	89	%	33-141	1	01/26/18 10:30	01/29/18 22:47	1718-51-0	
Phenol-d5 (S)	23	%	10-110	1	01/26/18 10:30	01/29/18 22:47	4165-62-2	
2-Fluorophenol (S)	32	%	21-110	1	01/26/18 10:30	01/29/18 22:47	367-12-4	
2,4,6-Tribromophenol (S)	110	%	10-123	1	01/26/18 10:30	01/29/18 22:47	118-79-6	
2-Chlorophenol-d4 (S)	54	%	33-110	1	01/26/18 10:30	01/29/18 22:47	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	46	%	16-110	1	01/26/18 10:30	01/29/18 22:47	2199-69-1	
Tentatively Identified Compounds								
Unknown Alcohol	**2.9J**	ug/L		1	01/26/18 10:30	01/29/18 22:47		
Diethyltoluamide	**2.1J**	ug/L		1	01/26/18 10:30	01/29/18 22:47	134-62-3	N
Unknown Organic Acid	**9.1J**	ug/L		1	01/26/18 10:30	01/29/18 22:47		
Cyclic octaatomic sulfur	**306J**	ug/L		1	01/26/18 10:30	01/29/18 22:47	10544-50-0	N
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		01/27/18 00:20	630-20-6	M1
1,1,1-Trichloroethane	ND	ug/L	5.0	1		01/27/18 00:20	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		01/27/18 00:20	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		01/27/18 00:20	79-00-5	
1,1-Dichloroethane	ND	ug/L	5.0	1		01/27/18 00:20	75-34-3	
1,1-Dichloroethene	ND	ug/L	5.0	1		01/27/18 00:20	75-35-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		01/27/18 00:20	96-18-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		01/27/18 00:20	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		01/27/18 00:20	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		01/27/18 00:20	95-50-1	
1,2-Dichloroethane	ND	ug/L	5.0	1		01/27/18 00:20	107-06-2	
1,2-Dichloropropane	ND	ug/L	5.0	1		01/27/18 00:20	78-87-5	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		01/27/18 00:20	106-46-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		01/27/18 00:20	78-93-3	

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Sample: MW-120-B **Lab ID: 7041247008** Collected: 01/25/18 10:30 Received: 01/25/18 17:41 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
2-Hexanone	ND	ug/L	5.0	1		01/27/18 00:20	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		01/27/18 00:20	108-10-1	
Acetone	ND	ug/L	5.0	1		01/27/18 00:20	67-64-1	
Acrylonitrile	ND	ug/L	5.0	1		01/27/18 00:20	107-13-1	
Benzene	ND	ug/L	5.0	1		01/27/18 00:20	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		01/27/18 00:20	74-97-5	L1,M0
Bromodichloromethane	ND	ug/L	5.0	1		01/27/18 00:20	75-27-4	
Bromoform	ND	ug/L	5.0	1		01/27/18 00:20	75-25-2	
Bromomethane	ND	ug/L	5.0	1		01/27/18 00:20	74-83-9	
Carbon disulfide	ND	ug/L	5.0	1		01/27/18 00:20	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		01/27/18 00:20	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		01/27/18 00:20	108-90-7	M1
Chloroethane	ND	ug/L	5.0	1		01/27/18 00:20	75-00-3	
Chloroform	ND	ug/L	5.0	1		01/27/18 00:20	67-66-3	
Chloromethane	ND	ug/L	5.0	1		01/27/18 00:20	74-87-3	CL
Dibromochloromethane	ND	ug/L	5.0	1		01/27/18 00:20	124-48-1	M1
Dibromomethane	ND	ug/L	5.0	1		01/27/18 00:20	74-95-3	
Ethylbenzene	ND	ug/L	5.0	1		01/27/18 00:20	100-41-4	M1
Iodomethane	ND	ug/L	5.0	1		01/27/18 00:20	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		01/27/18 00:20	75-09-2	
Styrene	ND	ug/L	5.0	1		01/27/18 00:20	100-42-5	M1
Tetrachloroethene	ND	ug/L	5.0	1		01/27/18 00:20	127-18-4	
Toluene	ND	ug/L	5.0	1		01/27/18 00:20	108-88-3	
Trichloroethene	ND	ug/L	5.0	1		01/27/18 00:20	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		01/27/18 00:20	75-69-4	
Vinyl acetate	ND	ug/L	5.0	1		01/27/18 00:20	108-05-4	
Xylene (Total)	ND	ug/L	5.0	1		01/27/18 00:20	1330-20-7	MS
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		01/27/18 00:20	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		01/27/18 00:20	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		01/27/18 00:20	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		01/27/18 00:20	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1		01/27/18 00:20	110-57-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	85	%	68-153	1		01/27/18 00:20	17060-07-0	
4-Bromofluorobenzene (S)	98	%	79-124	1		01/27/18 00:20	460-00-4	
Toluene-d8 (S)	103	%	69-124	1		01/27/18 00:20	2037-26-5	
TIC MSV Water	Analytical Method: EPA 8260							
TIC Search	**No TICs Found**			1		01/29/18 16:35		
2320B Alkalinity	Analytical Method: SM22 2320B							
Alkalinity, Total as CaCO3	**547**	mg/L	1.0	1		02/06/18 10:23		M1
Alkalinity,Bicarbonate (CaCO3)	**547**	mg/L	1.0	1		02/06/18 10:23		M0
Alkalinity,Carbonate (CaCO3)	**<1.0**	mg/L	1.0	1		02/06/18 10:23		

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Sample: MW-120-B **Lab ID: 7041247008** Collected: 01/25/18 10:30 Received: 01/25/18 17:41 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM22 2540C							
Total Dissolved Solids	**25100**	mg/L	1000	1		01/31/18 17:04		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	**621**	mg/L	100	1	01/30/18 11:25	01/30/18 13:44		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**13500**	mg/L	1000	500		01/31/18 06:59	16887-00-6	
Sulfate	**1590**	mg/L	250	50		02/06/18 06:26	14808-79-8	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	**31.5**	mg/L	2.5	5	02/02/18 06:17	02/02/18 13:38	7727-37-9	M1
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrate-Nitrite (as N)	**<0.050**	mg/L	0.050	1		01/26/18 13:03	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**<0.050**	mg/L	0.050	1		01/26/18 07:27	14797-65-0	
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H							
Nitrogen, Ammonia	**31.5**	mg/L	1.0	10		01/29/18 12:53	7664-41-7	
9014 Cyanide, Total	Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C							
Cyanide	**<10.0**	ug/L	10.0	1	02/08/18 07:28	02/08/18 17:10	57-12-5	M1

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(631)694-3040

ANALYTICAL RESULTS

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Sample: BLIND DUPLICATE **Lab ID: 7041247009** Collected: 01/25/18 10:00 Received: 01/25/18 17:41 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081B Preparation Method: EPA 3510C							
alpha-BHC	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/06/18 01:50	319-84-6	
gamma-BHC (Lindane)	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/06/18 01:50	58-89-9	
beta-BHC	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/06/18 01:50	319-85-7	
Heptachlor	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/06/18 01:50	76-44-8	
delta-BHC	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/06/18 01:50	319-86-8	
Aldrin	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/06/18 01:50	309-00-2	
Heptachlor epoxide	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/06/18 01:50	1024-57-3	
Endosulfan I	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/06/18 01:50	959-98-8	
4,4'-DDE	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/06/18 01:50	72-55-9	
Dieldrin	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/06/18 01:50	60-57-1	
Endrin	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/06/18 01:50	72-20-8	
4,4'-DDD	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/06/18 01:50	72-54-8	
Endosulfan II	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/06/18 01:50	33213-65-9	
4,4'-DDT	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/06/18 01:50	50-29-3	
Endrin aldehyde	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/06/18 01:50	7421-93-4	
Endosulfan sulfate	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/06/18 01:50	1031-07-8	
Methoxychlor	**<0.50**	ug/L	0.50	1	01/31/18 19:34	02/06/18 01:50	72-43-5	
Endrin ketone	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/06/18 01:50	53494-70-5	
alpha-Chlordane	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/06/18 01:50	5103-71-9	
gamma-Chlordane	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/06/18 01:50	5103-74-2	
Toxaphene	**<5.0**	ug/L	5.0	1	01/31/18 19:34	02/06/18 01:50	8001-35-2	
Surrogates								
Decachlorobiphenyl (S)	75	%	30-150	1	01/31/18 19:34	02/06/18 01:50	2051-24-3	
Tetrachloro-m-xylene (S)	61	%	30-150	1	01/31/18 19:34	02/06/18 01:50	877-09-8	
8082 GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3510C							
PCB-1016 (Aroclor 1016)	**<1.0**	ug/L	1.0	1	01/27/18 03:46	01/31/18 03:25	12674-11-2	
PCB-1221 (Aroclor 1221)	**<2.0**	ug/L	2.0	1	01/27/18 03:46	01/31/18 03:25	11104-28-2	
PCB-1232 (Aroclor 1232)	**<1.0**	ug/L	1.0	1	01/27/18 03:46	01/31/18 03:25	11141-16-5	
PCB-1242 (Aroclor 1242)	**<1.0**	ug/L	1.0	1	01/27/18 03:46	01/31/18 03:25	53469-21-9	
PCB-1248 (Aroclor 1248)	**<1.0**	ug/L	1.0	1	01/27/18 03:46	01/31/18 03:25	12672-29-6	
PCB-1254 (Aroclor 1254)	**<1.0**	ug/L	1.0	1	01/27/18 03:46	01/31/18 03:25	11097-69-1	
PCB-1260 (Aroclor 1260)	**<1.0**	ug/L	1.0	1	01/27/18 03:46	01/31/18 03:25	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	73	%	30-150	1	01/27/18 03:46	01/31/18 03:25	877-09-8	
Decachlorobiphenyl (S)	70	%	30-150	1	01/27/18 03:46	01/31/18 03:25	2051-24-3	
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Aluminum	**86.5J**	ug/L	200	1	01/29/18 09:03	02/01/18 21:41	7429-90-5	
Antimony	**<60.0**	ug/L	60.0	1	01/29/18 09:03	02/01/18 21:41	7440-36-0	
Arsenic	**<10.0**	ug/L	10.0	1	01/29/18 09:03	02/01/18 21:41	7440-38-2	
Barium	**116J**	ug/L	200	1	01/29/18 09:03	02/01/18 21:41	7440-39-3	
Beryllium	**<5.0**	ug/L	5.0	1	01/29/18 09:03	02/01/18 21:41	7440-41-7	
Boron	**5180**	ug/L	50.0	1	01/29/18 09:03	02/01/18 21:41	7440-42-8	
Cadmium	**<2.5**	ug/L	2.5	1	01/29/18 09:03	02/01/18 21:41	7440-43-9	
Calcium	**542000**	ug/L	1000	1	01/29/18 09:03	02/01/18 21:41	7440-70-2	
Chromium	**2.7J**	ug/L	10.0	1	01/29/18 09:03	02/01/18 21:41	7440-47-3	

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Sample: BLIND DUPLICATE **Lab ID: 7041247009** Collected: 01/25/18 10:00 Received: 01/25/18 17:41 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Cobalt	**5.8J**	ug/L	50.0	1	01/29/18 09:03	02/01/18 21:41	7440-48-4	
Copper	**<25.0**	ug/L	25.0	1	01/29/18 09:03	02/01/18 21:41	7440-50-8	
Iron	**2190**	ug/L	20.0	1	01/29/18 09:03	02/01/18 21:41	7439-89-6	
Lead	**1.3J**	ug/L	5.0	1	01/29/18 09:03	02/01/18 21:41	7439-92-1	
Magnesium	**664000**	ug/L	1000	1	01/29/18 09:03	02/01/18 21:41	7439-95-4	
Manganese	**925**	ug/L	10.0	1	01/29/18 09:03	02/01/18 21:41	7439-96-5	
Nickel	**12.6J**	ug/L	40.0	1	01/29/18 09:03	02/01/18 21:41	7440-02-0	
Potassium	**164000**	ug/L	5000	1	01/29/18 09:03	02/01/18 21:41	7440-09-7	
Selenium	**<10.0**	ug/L	10.0	1	01/29/18 09:03	02/01/18 21:41	7782-49-2	
Silver	**<10.0**	ug/L	10.0	1	01/29/18 09:03	02/01/18 21:41	7440-22-4	
Sodium	**6720000**	ug/L	100000	20	01/29/18 09:03	02/02/18 13:25	7440-23-5	
Thallium	**<10.0**	ug/L	10.0	1	01/29/18 09:03	02/01/18 21:41	7440-28-0	
Vanadium	**<50.0**	ug/L	50.0	1	01/29/18 09:03	02/01/18 21:41	7440-62-2	
Zinc	**<20.0**	ug/L	20.0	1	01/29/18 09:03	02/01/18 21:41	7440-66-6	
200.7 Metals, Dissolved	Analytical Method: EPA 200.7							
Aluminum, Dissolved	**<200**	ug/L	200	1		02/07/18 11:51	7429-90-5	
Antimony, Dissolved	**<60.0**	ug/L	60.0	1		02/07/18 11:51	7440-36-0	
Arsenic, Dissolved	**<10.0**	ug/L	10.0	1		02/07/18 11:51	7440-38-2	
Barium, Dissolved	**122J**	ug/L	200	1		02/07/18 11:51	7440-39-3	
Beryllium, Dissolved	**<5.0**	ug/L	5.0	1		02/07/18 11:51	7440-41-7	
Boron, Dissolved	**4870**	ug/L	50.0	1		02/07/18 11:51	7440-42-8	
Cadmium, Dissolved	**<2.5**	ug/L	2.5	1		02/07/18 11:51	7440-43-9	
Calcium, Dissolved	**470000**	ug/L	1000	1		02/07/18 11:51	7440-70-2	
Chromium, Dissolved	**<10.0**	ug/L	10.0	1		02/07/18 11:51	7440-47-3	
Cobalt, Dissolved	**1.2J**	ug/L	50.0	1		02/07/18 11:51	7440-48-4	
Copper, Dissolved	**<25.0**	ug/L	25.0	1		02/07/18 11:51	7440-50-8	
Iron, Dissolved	**2140**	ug/L	20.0	1		02/07/18 11:51	7439-89-6	
Lead, Dissolved	**<5.0**	ug/L	5.0	1		02/07/18 11:51	7439-92-1	
Magnesium, Dissolved	**551000**	ug/L	1000	1		02/07/18 11:51	7439-95-4	
Manganese, Dissolved	**896**	ug/L	10.0	1		02/07/18 11:51	7439-96-5	
Nickel, Dissolved	**34.7J**	ug/L	40.0	1		02/07/18 11:51	7440-02-0	
Potassium, Dissolved	**182000**	ug/L	5000	1		02/07/18 11:51	7440-09-7	
Selenium, Dissolved	**<200**	ug/L	200	20		02/07/18 12:08	7782-49-2	
Silver, Dissolved	**<10.0**	ug/L	10.0	1		02/07/18 11:51	7440-22-4	
Sodium, Dissolved	**<5000**	ug/L	5000	1		02/07/18 11:51	7440-23-5	
Thallium, Dissolved	**<10.0**	ug/L	10.0	1		02/07/18 11:51	7440-28-0	
Vanadium, Dissolved	**3.8J**	ug/L	50.0	1		02/07/18 11:51	7440-62-2	
Zinc, Dissolved	**<20.0**	ug/L	20.0	1		02/07/18 11:51	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	**0.058J**	ug/L	0.20	1	01/29/18 09:34	01/29/18 15:23	7439-97-6	B
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	**0.058J**	ug/L	0.20	1	01/29/18 09:34	01/29/18 14:49	7439-97-6	B

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ANALYTICAL RESULTS

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Sample: BLIND DUPLICATE **Lab ID: 7041247009** Collected: 01/25/18 10:00 Received: 01/25/18 17:41 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270D Preparation Method: EPA 3510C							
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:15	120-82-1	
1,2-Dichlorobenzene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:15	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:15	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:15	106-46-7	
2,2'-Oxybis(1-chloropropane)	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:15	108-60-1	
2,4,5-Trichlorophenol	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:15	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:15	88-06-2	
2,4-Dichlorophenol	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:15	120-83-2	
2,4-Dimethylphenol	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:15	105-67-9	
2,4-Dinitrophenol	ND	ug/L	10.0	1	01/26/18 10:30	01/29/18 23:15	51-28-5	L1
2,4-Dinitrotoluene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:15	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:15	606-20-2	
2-Chloronaphthalene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:15	91-58-7	
2-Chlorophenol	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:15	95-57-8	
2-Methylnaphthalene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:15	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:15	95-48-7	
2-Nitroaniline	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:15	88-74-4	
2-Nitrophenol	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:15	88-75-5	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:15		
3,3'-Dichlorobenzidine	ND	ug/L	10.0	1	01/26/18 10:30	01/29/18 23:15	91-94-1	
3-Nitroaniline	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:15	99-09-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	10.0	1	01/26/18 10:30	01/29/18 23:15	534-52-1	
4-Bromophenylphenyl ether	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:15	101-55-3	
4-Chloro-3-methylphenol	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:15	59-50-7	
4-Chloroaniline	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:15	106-47-8	CL
4-Chlorophenylphenyl ether	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:15	7005-72-3	
4-Nitroaniline	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:15	100-01-6	
4-Nitrophenol	ND	ug/L	10.0	1	01/26/18 10:30	01/29/18 23:15	100-02-7	IC
Acenaphthene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:15	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:15	208-96-8	
Anthracene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:15	120-12-7	
Benzo(a)anthracene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:15	56-55-3	
Benzo(a)pyrene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:15	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:15	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:15	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:15	207-08-9	
Butylbenzylphthalate	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:15	85-68-7	
Carbazole	**<5.0**	ug/L	5.0	1	01/26/18 10:30	01/29/18 23:15	86-74-8	
Chrysene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:15	218-01-9	
Di-n-butylphthalate	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:15	84-74-2	
Di-n-octylphthalate	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:15	117-84-0	
Dibenz(a,h)anthracene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:15	53-70-3	
Dibenzofuran	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:15	132-64-9	
Diethylphthalate	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:15	84-66-2	
Dimethylphthalate	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:15	131-11-3	
Fluoranthene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:15	206-44-0	
Fluorene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:15	86-73-7	

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ANALYTICAL RESULTS

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Sample: BLIND DUPLICATE **Lab ID: 7041247009** Collected: 01/25/18 10:00 Received: 01/25/18 17:41 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270D Preparation Method: EPA 3510C							
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:15	87-68-3	L1
Hexachlorobenzene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:15	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	01/26/18 10:30	01/29/18 23:15	77-47-4	IC,L1
Hexachloroethane	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:15	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:15	193-39-5	
Isophorone	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:15	78-59-1	
N-Nitroso-di-n-propylamine	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:15	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:15	86-30-6	L1
Naphthalene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:15	91-20-3	
Nitrobenzene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:15	98-95-3	
Pentachlorophenol	ND	ug/L	10.0	1	01/26/18 10:30	01/29/18 23:15	87-86-5	L1
Phenanthrene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:15	85-01-8	
Phenol	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:15	108-95-2	
Pyrene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:15	129-00-0	
bis(2-Chloroethoxy)methane	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:15	111-91-1	L1
bis(2-Chloroethyl) ether	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:15	111-44-4	
bis(2-Ethylhexyl)phthalate	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:15	117-81-7	
Surrogates								
Nitrobenzene-d5 (S)	93	%	35-114	1	01/26/18 10:30	01/29/18 23:15	4165-60-0	
2-Fluorobiphenyl (S)	91	%	43-116	1	01/26/18 10:30	01/29/18 23:15	321-60-8	
p-Terphenyl-d14 (S)	77	%	33-141	1	01/26/18 10:30	01/29/18 23:15	1718-51-0	
Phenol-d5 (S)	21	%	10-110	1	01/26/18 10:30	01/29/18 23:15	4165-62-2	
2-Fluorophenol (S)	29	%	21-110	1	01/26/18 10:30	01/29/18 23:15	367-12-4	
2,4,6-Tribromophenol (S)	105	%	10-123	1	01/26/18 10:30	01/29/18 23:15	118-79-6	
2-Chlorophenol-d4 (S)	53	%	33-110	1	01/26/18 10:30	01/29/18 23:15	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	46	%	16-110	1	01/26/18 10:30	01/29/18 23:15	2199-69-1	
Tentatively Identified Compounds								
Unknown Alcohol	**2.2J**	ug/L		1	01/26/18 10:30	01/29/18 23:15		
Diethyltoluamide	**2.6J**	ug/L		1	01/26/18 10:30	01/29/18 23:15	134-62-3	N
Unknown	**2.2J**	ug/L		1	01/26/18 10:30	01/29/18 23:15		
Unknown	**2.7J**	ug/L		1	01/26/18 10:30	01/29/18 23:15		
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		01/27/18 00:39	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		01/27/18 00:39	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		01/27/18 00:39	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		01/27/18 00:39	79-00-5	
1,1-Dichloroethane	ND	ug/L	5.0	1		01/27/18 00:39	75-34-3	
1,1-Dichloroethene	ND	ug/L	5.0	1		01/27/18 00:39	75-35-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		01/27/18 00:39	96-18-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		01/27/18 00:39	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		01/27/18 00:39	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		01/27/18 00:39	95-50-1	
1,2-Dichloroethane	ND	ug/L	5.0	1		01/27/18 00:39	107-06-2	
1,2-Dichloropropane	ND	ug/L	5.0	1		01/27/18 00:39	78-87-5	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		01/27/18 00:39	106-46-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		01/27/18 00:39	78-93-3	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Sample: BLIND DUPLICATE **Lab ID: 7041247009** Collected: 01/25/18 10:00 Received: 01/25/18 17:41 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
2-Hexanone	ND	ug/L	5.0	1		01/27/18 00:39	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		01/27/18 00:39	108-10-1	
Acetone	ND	ug/L	5.0	1		01/27/18 00:39	67-64-1	
Acrylonitrile	ND	ug/L	5.0	1		01/27/18 00:39	107-13-1	
Benzene	ND	ug/L	5.0	1		01/27/18 00:39	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		01/27/18 00:39	74-97-5	L1
Bromodichloromethane	ND	ug/L	5.0	1		01/27/18 00:39	75-27-4	
Bromoform	ND	ug/L	5.0	1		01/27/18 00:39	75-25-2	
Bromomethane	ND	ug/L	5.0	1		01/27/18 00:39	74-83-9	
Carbon disulfide	ND	ug/L	5.0	1		01/27/18 00:39	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		01/27/18 00:39	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		01/27/18 00:39	108-90-7	
Chloroethane	ND	ug/L	5.0	1		01/27/18 00:39	75-00-3	
Chloroform	ND	ug/L	5.0	1		01/27/18 00:39	67-66-3	
Chloromethane	ND	ug/L	5.0	1		01/27/18 00:39	74-87-3	CL
Dibromochloromethane	ND	ug/L	5.0	1		01/27/18 00:39	124-48-1	
Dibromomethane	ND	ug/L	5.0	1		01/27/18 00:39	74-95-3	
Ethylbenzene	ND	ug/L	5.0	1		01/27/18 00:39	100-41-4	
Iodomethane	ND	ug/L	5.0	1		01/27/18 00:39	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		01/27/18 00:39	75-09-2	
Styrene	ND	ug/L	5.0	1		01/27/18 00:39	100-42-5	
Tetrachloroethene	ND	ug/L	5.0	1		01/27/18 00:39	127-18-4	
Toluene	ND	ug/L	5.0	1		01/27/18 00:39	108-88-3	
Trichloroethene	ND	ug/L	5.0	1		01/27/18 00:39	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		01/27/18 00:39	75-69-4	
Vinyl acetate	ND	ug/L	5.0	1		01/27/18 00:39	108-05-4	
Xylene (Total)	ND	ug/L	5.0	1		01/27/18 00:39	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		01/27/18 00:39	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		01/27/18 00:39	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		01/27/18 00:39	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		01/27/18 00:39	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1		01/27/18 00:39	110-57-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	88	%	68-153	1		01/27/18 00:39	17060-07-0	
4-Bromofluorobenzene (S)	98	%	79-124	1		01/27/18 00:39	460-00-4	
Toluene-d8 (S)	100	%	69-124	1		01/27/18 00:39	2037-26-5	
TIC MSV Water	Analytical Method: EPA 8260							
TIC Search	**No TICs Found**			1		01/29/18 16:36		
2320B Alkalinity	Analytical Method: SM22 2320B							
Alkalinity, Total as CaCO3	**1270**	mg/L	5.0	1		02/08/18 08:18		
Alkalinity,Bicarbonate (CaCO3)	**1270**	mg/L	5.0	1		02/08/18 08:18		
Alkalinity,Carbonate (CaCO3)	**<5.0**	mg/L	5.0	1		02/08/18 08:18		

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Sample: BLIND DUPLICATE **Lab ID: 7041247009** Collected: 01/25/18 10:00 Received: 01/25/18 17:41 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM22 2540C							
Total Dissolved Solids	**20900**	mg/L	1000	1		01/31/18 17:08		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	**705**	mg/L	40.0	1	01/30/18 11:25	01/30/18 13:45		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**11900**	mg/L	1000	500		01/31/18 07:53	16887-00-6	
Sulfate	**455**	mg/L	250	50		01/31/18 07:39	14808-79-8	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	**5.0**	mg/L	0.50	1	02/02/18 06:17	02/02/18 13:26	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrate-Nitrite (as N)	**<0.050**	mg/L	0.050	1		01/26/18 13:09	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**<0.050**	mg/L	0.050	1		01/26/18 07:28	14797-65-0	
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H							
Nitrogen, Ammonia	**3.0**	mg/L	0.10	1		01/29/18 12:35	7664-41-7	
9014 Cyanide, Total	Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C							
Cyanide	**<10.0**	ug/L	10.0	1	02/08/18 07:28	02/08/18 17:13	57-12-5	

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Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Sample: MW-110 **Lab ID: 7041247010** Collected: 01/25/18 07:45 Received: 01/25/18 17:41 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081B Preparation Method: EPA 3510C							
alpha-BHC	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/06/18 02:08	319-84-6	
gamma-BHC (Lindane)	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/06/18 02:08	58-89-9	
beta-BHC	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/06/18 02:08	319-85-7	
Heptachlor	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/06/18 02:08	76-44-8	
delta-BHC	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/06/18 02:08	319-86-8	
Aldrin	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/06/18 02:08	309-00-2	
Heptachlor epoxide	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/06/18 02:08	1024-57-3	
Endosulfan I	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/06/18 02:08	959-98-8	
4,4'-DDE	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/06/18 02:08	72-55-9	
Dieldrin	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/06/18 02:08	60-57-1	
Endrin	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/06/18 02:08	72-20-8	
4,4'-DDD	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/06/18 02:08	72-54-8	
Endosulfan II	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/06/18 02:08	33213-65-9	
4,4'-DDT	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/06/18 02:08	50-29-3	
Endrin aldehyde	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/06/18 02:08	7421-93-4	
Endosulfan sulfate	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/06/18 02:08	1031-07-8	
Methoxychlor	**<0.50**	ug/L	0.50	1	01/31/18 19:34	02/06/18 02:08	72-43-5	
Endrin ketone	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/06/18 02:08	53494-70-5	
alpha-Chlordane	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/06/18 02:08	5103-71-9	
gamma-Chlordane	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/06/18 02:08	5103-74-2	
Toxaphene	**<5.0**	ug/L	5.0	1	01/31/18 19:34	02/06/18 02:08	8001-35-2	
Surrogates								
Decachlorobiphenyl (S)	129	%	30-150	1	01/31/18 19:34	02/06/18 02:08	2051-24-3	
Tetrachloro-m-xylene (S)	63	%	30-150	1	01/31/18 19:34	02/06/18 02:08	877-09-8	
8082 GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3510C							
PCB-1016 (Aroclor 1016)	**<1.0**	ug/L	1.0	1	01/27/18 03:46	01/31/18 03:38	12674-11-2	
PCB-1221 (Aroclor 1221)	**<2.0**	ug/L	2.0	1	01/27/18 03:46	01/31/18 03:38	11104-28-2	
PCB-1232 (Aroclor 1232)	**<1.0**	ug/L	1.0	1	01/27/18 03:46	01/31/18 03:38	11141-16-5	
PCB-1242 (Aroclor 1242)	**<1.0**	ug/L	1.0	1	01/27/18 03:46	01/31/18 03:38	53469-21-9	
PCB-1248 (Aroclor 1248)	**<1.0**	ug/L	1.0	1	01/27/18 03:46	01/31/18 03:38	12672-29-6	
PCB-1254 (Aroclor 1254)	**<1.0**	ug/L	1.0	1	01/27/18 03:46	01/31/18 03:38	11097-69-1	
PCB-1260 (Aroclor 1260)	**<1.0**	ug/L	1.0	1	01/27/18 03:46	01/31/18 03:38	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	51	%	30-150	1	01/27/18 03:46	01/31/18 03:38	877-09-8	
Decachlorobiphenyl (S)	74	%	30-150	1	01/27/18 03:46	01/31/18 03:38	2051-24-3	
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Aluminum	**466**	ug/L	200	1	01/29/18 09:03	02/01/18 22:21	7429-90-5	
Antimony	**<60.0**	ug/L	60.0	1	01/29/18 09:03	02/01/18 22:21	7440-36-0	
Arsenic	**<10.0**	ug/L	10.0	1	01/29/18 09:03	02/01/18 22:21	7440-38-2	
Barium	**54.6J**	ug/L	200	1	01/29/18 09:03	02/01/18 22:21	7440-39-3	
Beryllium	**<5.0**	ug/L	5.0	1	01/29/18 09:03	02/01/18 22:21	7440-41-7	
Boron	**3290**	ug/L	50.0	1	01/29/18 09:03	02/01/18 22:21	7440-42-8	
Cadmium	**<2.5**	ug/L	2.5	1	01/29/18 09:03	02/01/18 22:21	7440-43-9	
Calcium	**328000**	ug/L	1000	1	01/29/18 09:03	02/01/18 22:21	7440-70-2	
Chromium	**10.2**	ug/L	10.0	1	01/29/18 09:03	02/01/18 22:21	7440-47-3	

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Sample: MW-110 **Lab ID: 7041247010** Collected: 01/25/18 07:45 Received: 01/25/18 17:41 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Cobalt	**8.7J**	ug/L	50.0	1	01/29/18 09:03	02/01/18 22:21	7440-48-4	
Copper	**28.8**	ug/L	25.0	1	01/29/18 09:03	02/01/18 22:21	7440-50-8	
Iron	**11400**	ug/L	20.0	1	01/29/18 09:03	02/01/18 22:21	7439-89-6	
Lead	**53.5**	ug/L	5.0	1	01/29/18 09:03	02/01/18 22:21	7439-92-1	
Magnesium	**972000**	ug/L	20000	20	01/29/18 09:03	02/02/18 13:31	7439-95-4	
Manganese	**70.0**	ug/L	10.0	1	01/29/18 09:03	02/01/18 22:21	7439-96-5	
Nickel	**4.8J**	ug/L	40.0	1	01/29/18 09:03	02/01/18 22:21	7440-02-0	
Potassium	**298000**	ug/L	100000	20	01/29/18 09:03	02/02/18 13:31	7440-09-7	
Selenium	**<10.0**	ug/L	10.0	1	01/29/18 09:03	02/01/18 22:21	7782-49-2	
Silver	**<10.0**	ug/L	10.0	1	01/29/18 09:03	02/01/18 22:21	7440-22-4	
Sodium	**7770000**	ug/L	100000	20	01/29/18 09:03	02/02/18 13:31	7440-23-5	
Thallium	**<10.0**	ug/L	10.0	1	01/29/18 09:03	02/01/18 22:21	7440-28-0	
Vanadium	**31.1J**	ug/L	50.0	1	01/29/18 09:03	02/01/18 22:21	7440-62-2	
Zinc	**128**	ug/L	20.0	1	01/29/18 09:03	02/01/18 22:21	7440-66-6	
200.7 Metals, Dissolved	Analytical Method: EPA 200.7							
Aluminum, Dissolved	**238**	ug/L	200	1		02/07/18 11:52	7429-90-5	
Antimony, Dissolved	**8.1J**	ug/L	60.0	1		02/07/18 11:52	7440-36-0	
Arsenic, Dissolved	**<10.0**	ug/L	10.0	1		02/07/18 11:52	7440-38-2	
Barium, Dissolved	**55.9J**	ug/L	200	1		02/07/18 11:52	7440-39-3	
Beryllium, Dissolved	**<5.0**	ug/L	5.0	1		02/07/18 11:52	7440-41-7	
Boron, Dissolved	**3110**	ug/L	50.0	1		02/07/18 11:52	7440-42-8	
Cadmium, Dissolved	**0.62J**	ug/L	2.5	1		02/07/18 11:52	7440-43-9	
Calcium, Dissolved	**281000**	ug/L	1000	1		02/07/18 11:52	7440-70-2	
Chromium, Dissolved	**2.2J**	ug/L	10.0	1		02/07/18 11:52	7440-47-3	
Cobalt, Dissolved	**1.8J**	ug/L	50.0	1		02/07/18 11:52	7440-48-4	
Copper, Dissolved	**18.0J**	ug/L	25.0	1		02/07/18 11:52	7440-50-8	
Iron, Dissolved	**10400**	ug/L	20.0	1		02/07/18 11:52	7439-89-6	
Lead, Dissolved	**41.3**	ug/L	5.0	1		02/07/18 11:52	7439-92-1	
Magnesium, Dissolved	**822000**	ug/L	1000	1		02/07/18 11:52	7439-95-4	
Manganese, Dissolved	**71.4**	ug/L	10.0	1		02/07/18 11:52	7439-96-5	
Nickel, Dissolved	**12.1J**	ug/L	40.0	1		02/07/18 11:52	7440-02-0	
Potassium, Dissolved	**334000**	ug/L	100000	20		02/07/18 12:09	7440-09-7	
Selenium, Dissolved	**<200**	ug/L	200	20		02/07/18 12:09	7782-49-2	
Silver, Dissolved	**<10.0**	ug/L	10.0	1		02/07/18 11:52	7440-22-4	
Sodium, Dissolved	**<5000**	ug/L	5000	1		02/07/18 11:52	7440-23-5	
Thallium, Dissolved	**<10.0**	ug/L	10.0	1		02/07/18 11:52	7440-28-0	
Vanadium, Dissolved	**30.3J**	ug/L	50.0	1		02/07/18 11:52	7440-62-2	
Zinc, Dissolved	**95.9**	ug/L	20.0	1		02/07/18 11:52	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	**0.13J**	ug/L	0.20	1	01/29/18 09:34	01/29/18 15:24	7439-97-6	B
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	**0.12J**	ug/L	0.20	1	01/29/18 09:34	01/29/18 14:51	7439-97-6	B

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ANALYTICAL RESULTS

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Sample: MW-110 **Lab ID: 7041247010** Collected: 01/25/18 07:45 Received: 01/25/18 17:41 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270D Preparation Method: EPA 3510C							
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:42	120-82-1	
1,2-Dichlorobenzene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:42	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:42	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:42	106-46-7	
2,2'-Oxybis(1-chloropropane)	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:42	108-60-1	
2,4,5-Trichlorophenol	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:42	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:42	88-06-2	
2,4-Dichlorophenol	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:42	120-83-2	
2,4-Dimethylphenol	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:42	105-67-9	
2,4-Dinitrophenol	ND	ug/L	10.0	1	01/26/18 10:30	01/29/18 23:42	51-28-5	L1
2,4-Dinitrotoluene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:42	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:42	606-20-2	
2-Chloronaphthalene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:42	91-58-7	
2-Chlorophenol	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:42	95-57-8	
2-Methylnaphthalene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:42	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:42	95-48-7	
2-Nitroaniline	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:42	88-74-4	
2-Nitrophenol	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:42	88-75-5	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:42		
3,3'-Dichlorobenzidine	ND	ug/L	10.0	1	01/26/18 10:30	01/29/18 23:42	91-94-1	
3-Nitroaniline	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:42	99-09-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	10.0	1	01/26/18 10:30	01/29/18 23:42	534-52-1	
4-Bromophenylphenyl ether	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:42	101-55-3	
4-Chloro-3-methylphenol	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:42	59-50-7	
4-Chloroaniline	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:42	106-47-8	CL
4-Chlorophenylphenyl ether	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:42	7005-72-3	
4-Nitroaniline	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:42	100-01-6	
4-Nitrophenol	ND	ug/L	10.0	1	01/26/18 10:30	01/29/18 23:42	100-02-7	IC
Acenaphthene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:42	83-32-9	
Acenaphthylene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:42	208-96-8	
Anthracene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:42	120-12-7	
Benzo(a)anthracene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:42	56-55-3	
Benzo(a)pyrene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:42	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:42	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:42	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:42	207-08-9	
Butylbenzylphthalate	**1.2J**	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:42	85-68-7	
Carbazole	**<5.0**	ug/L	5.0	1	01/26/18 10:30	01/29/18 23:42	86-74-8	
Chrysene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:42	218-01-9	
Di-n-butylphthalate	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:42	84-74-2	
Di-n-octylphthalate	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:42	117-84-0	
Dibenz(a,h)anthracene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:42	53-70-3	
Dibenzofuran	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:42	132-64-9	
Diethylphthalate	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:42	84-66-2	
Dimethylphthalate	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:42	131-11-3	
Fluoranthene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:42	206-44-0	
Fluorene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:42	86-73-7	

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Sample: MW-110 **Lab ID: 7041247010** Collected: 01/25/18 07:45 Received: 01/25/18 17:41 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270D Preparation Method: EPA 3510C							
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:42	87-68-3	L1
Hexachlorobenzene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:42	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	01/26/18 10:30	01/29/18 23:42	77-47-4	IC,L1
Hexachloroethane	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:42	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:42	193-39-5	
Isophorone	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:42	78-59-1	
N-Nitroso-di-n-propylamine	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:42	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:42	86-30-6	L1
Naphthalene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:42	91-20-3	
Nitrobenzene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:42	98-95-3	
Pentachlorophenol	ND	ug/L	10.0	1	01/26/18 10:30	01/29/18 23:42	87-86-5	L1
Phenanthrene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:42	85-01-8	
Phenol	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:42	108-95-2	
Pyrene	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:42	129-00-0	
bis(2-Chloroethoxy)methane	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:42	111-91-1	L1
bis(2-Chloroethyl) ether	ND	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:42	111-44-4	
bis(2-Ethylhexyl)phthalate	**1.1J**	ug/L	1.0	1	01/26/18 10:30	01/29/18 23:42	117-81-7	
Surrogates								
Nitrobenzene-d5 (S)	85	%	35-114	1	01/26/18 10:30	01/29/18 23:42	4165-60-0	
2-Fluorobiphenyl (S)	88	%	43-116	1	01/26/18 10:30	01/29/18 23:42	321-60-8	
p-Terphenyl-d14 (S)	100	%	33-141	1	01/26/18 10:30	01/29/18 23:42	1718-51-0	
Phenol-d5 (S)	37	%	10-110	1	01/26/18 10:30	01/29/18 23:42	4165-62-2	
2-Fluorophenol (S)	47	%	21-110	1	01/26/18 10:30	01/29/18 23:42	367-12-4	
2,4,6-Tribromophenol (S)	100	%	10-123	1	01/26/18 10:30	01/29/18 23:42	118-79-6	
2-Chlorophenol-d4 (S)	79	%	33-110	1	01/26/18 10:30	01/29/18 23:42	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	71	%	16-110	1	01/26/18 10:30	01/29/18 23:42	2199-69-1	
Tentatively Identified Compounds								
Unknown Organic Acid	**5.0J**	ug/L		1	01/26/18 10:30	01/29/18 23:42		
Unknown Organic Acid	**3.2J**	ug/L		1	01/26/18 10:30	01/29/18 23:42		
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		01/27/18 00:59	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		01/27/18 00:59	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		01/27/18 00:59	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		01/27/18 00:59	79-00-5	
1,1-Dichloroethane	ND	ug/L	5.0	1		01/27/18 00:59	75-34-3	
1,1-Dichloroethene	ND	ug/L	5.0	1		01/27/18 00:59	75-35-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		01/27/18 00:59	96-18-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		01/27/18 00:59	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		01/27/18 00:59	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		01/27/18 00:59	95-50-1	
1,2-Dichloroethane	ND	ug/L	5.0	1		01/27/18 00:59	107-06-2	
1,2-Dichloropropane	ND	ug/L	5.0	1		01/27/18 00:59	78-87-5	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		01/27/18 00:59	106-46-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		01/27/18 00:59	78-93-3	
2-Hexanone	ND	ug/L	5.0	1		01/27/18 00:59	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		01/27/18 00:59	108-10-1	

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Sample: MW-110 **Lab ID: 7041247010** Collected: 01/25/18 07:45 Received: 01/25/18 17:41 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
Acetone	ND	ug/L	5.0	1		01/27/18 00:59	67-64-1	
Acrylonitrile	ND	ug/L	5.0	1		01/27/18 00:59	107-13-1	
Benzene	ND	ug/L	5.0	1		01/27/18 00:59	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		01/27/18 00:59	74-97-5	L1
Bromodichloromethane	ND	ug/L	5.0	1		01/27/18 00:59	75-27-4	
Bromoform	ND	ug/L	5.0	1		01/27/18 00:59	75-25-2	
Bromomethane	ND	ug/L	5.0	1		01/27/18 00:59	74-83-9	
Carbon disulfide	ND	ug/L	5.0	1		01/27/18 00:59	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		01/27/18 00:59	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		01/27/18 00:59	108-90-7	
Chloroethane	ND	ug/L	5.0	1		01/27/18 00:59	75-00-3	
Chloroform	ND	ug/L	5.0	1		01/27/18 00:59	67-66-3	
Chloromethane	ND	ug/L	5.0	1		01/27/18 00:59	74-87-3	CL
Dibromochloromethane	ND	ug/L	5.0	1		01/27/18 00:59	124-48-1	
Dibromomethane	ND	ug/L	5.0	1		01/27/18 00:59	74-95-3	
Ethylbenzene	ND	ug/L	5.0	1		01/27/18 00:59	100-41-4	
Iodomethane	ND	ug/L	5.0	1		01/27/18 00:59	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		01/27/18 00:59	75-09-2	
Styrene	ND	ug/L	5.0	1		01/27/18 00:59	100-42-5	
Tetrachloroethene	ND	ug/L	5.0	1		01/27/18 00:59	127-18-4	
Toluene	ND	ug/L	5.0	1		01/27/18 00:59	108-88-3	
Trichloroethene	ND	ug/L	5.0	1		01/27/18 00:59	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		01/27/18 00:59	75-69-4	
Vinyl acetate	ND	ug/L	5.0	1		01/27/18 00:59	108-05-4	
Xylene (Total)	ND	ug/L	5.0	1		01/27/18 00:59	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		01/27/18 00:59	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		01/27/18 00:59	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		01/27/18 00:59	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		01/27/18 00:59	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1		01/27/18 00:59	110-57-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	88	%	68-153	1		01/27/18 00:59	17060-07-0	
4-Bromofluorobenzene (S)	97	%	79-124	1		01/27/18 00:59	460-00-4	
Toluene-d8 (S)	99	%	69-124	1		01/27/18 00:59	2037-26-5	
TIC MSV Water	Analytical Method: EPA 8260							
TIC Search	**No TICs Found**			1		01/29/18 16:35		
2320B Alkalinity	Analytical Method: SM22 2320B							
Alkalinity, Total as CaCO3	**170**	mg/L	1.0	1		02/06/18 11:01		
Alkalinity,Bicarbonate (CaCO3)	**170**	mg/L	1.0	1		02/06/18 11:01		
Alkalinity,Carbonate (CaCO3)	**<1.0**	mg/L	1.0	1		02/06/18 11:01		
2540C Total Dissolved Solids	Analytical Method: SM22 2540C							
Total Dissolved Solids	**27200**	mg/L	1000	1		01/31/18 17:09		

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Sample: MW-110 **Lab ID: 7041247010** Collected: 01/25/18 07:45 Received: 01/25/18 17:41 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	**651**	mg/L	200	1	01/30/18 11:25	01/30/18 13:45		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**14100**	mg/L	1000	500		01/31/18 08:20	16887-00-6	
Sulfate	**1660**	mg/L	500	100		01/31/18 08:06	14808-79-8	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	**4.3**	mg/L	0.50	1	02/02/18 06:17	02/02/18 13:27	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrate-Nitrite (as N)	**1.8**	mg/L	0.25	5		01/26/18 13:11	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**<0.050**	mg/L	0.050	1		01/26/18 07:29	14797-65-0	
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H							
Nitrogen, Ammonia	**0.98**	mg/L	0.10	1		01/29/18 12:36	7664-41-7	
9014 Cyanide, Total	Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C							
Cyanide	**<10.0**	ug/L	10.0	1	02/08/18 07:28	02/08/18 17:13	57-12-5	

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ANALYTICAL RESULTS

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Sample: MW-104 **Lab ID: 7041247011** Collected: 01/25/18 09:00 Received: 01/25/18 17:41 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8081 GCS Pesticides	Analytical Method: EPA 8081B Preparation Method: EPA 3510C							
Aldrin	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/07/18 18:53	309-00-2	
alpha-BHC	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/07/18 18:53	319-84-6	L1
beta-BHC	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/07/18 18:53	319-85-7	
delta-BHC	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/07/18 18:53	319-86-8	
gamma-BHC (Lindane)	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/07/18 18:53	58-89-9	L1
alpha-Chlordane	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/07/18 18:53	5103-71-9	L1
gamma-Chlordane	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/07/18 18:53	5103-74-2	L1
4,4'-DDD	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/07/18 18:53	72-54-8	L1
4,4'-DDE	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/07/18 18:53	72-55-9	L1
4,4'-DDT	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/07/18 18:53	50-29-3	L1
Dieldrin	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/07/18 18:53	60-57-1	L1
Endosulfan I	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/07/18 18:53	959-98-8	
Endosulfan II	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/07/18 18:53	33213-65-9	
Endosulfan sulfate	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/07/18 18:53	1031-07-8	
Endrin	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/07/18 18:53	72-20-8	L1
Endrin aldehyde	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/06/18 02:25	7421-93-4	
Endrin ketone	**<0.10**	ug/L	0.10	1	01/31/18 19:34	02/07/18 18:53	53494-70-5	
Heptachlor	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/07/18 18:53	76-44-8	
Heptachlor epoxide	**<0.050**	ug/L	0.050	1	01/31/18 19:34	02/07/18 18:53	1024-57-3	L1
Methoxychlor	**<0.50**	ug/L	0.50	1	01/31/18 19:34	02/07/18 18:53	72-43-5	L1
Toxaphene	**<5.0**	ug/L	5.0	1	01/31/18 19:34	02/07/18 18:53	8001-35-2	
Surrogates								
Decachlorobiphenyl (S)	97	%	30-150	1	01/31/18 19:34	02/07/18 18:53	2051-24-3	
Tetrachloro-m-xylene (S)	64	%	30-150	1	01/31/18 19:34	02/07/18 18:53	877-09-8	
8082 GCS PCB	Analytical Method: EPA 8082A Preparation Method: EPA 3510C							
PCB-1016 (Aroclor 1016)	**<1.0**	ug/L	1.0	1	01/27/18 03:46	01/31/18 14:49	12674-11-2	
PCB-1221 (Aroclor 1221)	**<2.0**	ug/L	2.0	1	01/27/18 03:46	01/31/18 14:49	11104-28-2	
PCB-1232 (Aroclor 1232)	**<1.0**	ug/L	1.0	1	01/27/18 03:46	01/31/18 14:49	11141-16-5	
PCB-1242 (Aroclor 1242)	**<1.0**	ug/L	1.0	1	01/27/18 03:46	01/31/18 14:49	53469-21-9	
PCB-1248 (Aroclor 1248)	**<1.0**	ug/L	1.0	1	01/27/18 03:46	01/31/18 14:49	12672-29-6	
PCB-1254 (Aroclor 1254)	**<1.0**	ug/L	1.0	1	01/27/18 03:46	01/31/18 14:49	11097-69-1	
PCB-1260 (Aroclor 1260)	**<1.0**	ug/L	1.0	1	01/27/18 03:46	01/31/18 14:49	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	51	%	30-150	1	01/27/18 03:46	01/31/18 14:49	877-09-8	
Decachlorobiphenyl (S)	82	%	30-150	1	01/27/18 03:46	01/31/18 14:49	2051-24-3	
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Aluminum	**3200**	ug/L	200	1	01/29/18 09:03	02/01/18 22:27	7429-90-5	
Antimony	**<60.0**	ug/L	60.0	1	01/29/18 09:03	02/01/18 22:27	7440-36-0	
Arsenic	**<10.0**	ug/L	10.0	1	01/29/18 09:03	02/01/18 22:27	7440-38-2	
Barium	**582**	ug/L	200	1	01/29/18 09:03	02/01/18 22:27	7440-39-3	
Beryllium	**<5.0**	ug/L	5.0	1	01/29/18 09:03	02/01/18 22:27	7440-41-7	
Boron	**3110**	ug/L	50.0	1	01/29/18 09:03	02/01/18 22:27	7440-42-8	
Cadmium	**12.6**	ug/L	2.5	1	01/29/18 09:03	02/01/18 22:27	7440-43-9	
Calcium	**307000**	ug/L	1000	1	01/29/18 09:03	02/01/18 22:27	7440-70-2	
Chromium	**15.7**	ug/L	10.0	1	01/29/18 09:03	02/01/18 22:27	7440-47-3	

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(631)694-3040

ANALYTICAL RESULTS

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Sample: MW-104 **Lab ID: 7041247011** Collected: 01/25/18 09:00 Received: 01/25/18 17:41 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Cobalt	**11.0J**	ug/L	50.0	1	01/29/18 09:03	02/01/18 22:27	7440-48-4	
Copper	**154**	ug/L	25.0	1	01/29/18 09:03	02/01/18 22:27	7440-50-8	
Iron	**24400**	ug/L	20.0	1	01/29/18 09:03	02/01/18 22:27	7439-89-6	
Lead	**64.2**	ug/L	5.0	1	01/29/18 09:03	02/01/18 22:27	7439-92-1	
Magnesium	**973000**	ug/L	1000	1	01/29/18 09:03	02/01/18 22:27	7439-95-4	
Manganese	**115**	ug/L	10.0	1	01/29/18 09:03	02/01/18 22:27	7439-96-5	
Nickel	**143**	ug/L	40.0	1	01/29/18 09:03	02/01/18 22:27	7440-02-0	
Potassium	**282000**	ug/L	100000	20	01/29/18 09:03	02/02/18 13:36	7440-09-7	
Selenium	**<10.0**	ug/L	10.0	1	01/29/18 09:03	02/01/18 22:27	7782-49-2	
Silver	**8.7J**	ug/L	10.0	1	01/29/18 09:03	02/01/18 22:27	7440-22-4	
Sodium	**7540000**	ug/L	100000	20	01/29/18 09:03	02/02/18 13:36	7440-23-5	
Thallium	**<10.0**	ug/L	10.0	1	01/29/18 09:03	02/01/18 22:27	7440-28-0	
Vanadium	**18.4J**	ug/L	50.0	1	01/29/18 09:03	02/01/18 22:27	7440-62-2	
Zinc	**539**	ug/L	20.0	1	01/29/18 09:03	02/01/18 22:27	7440-66-6	
200.7 Metals, Dissolved	Analytical Method: EPA 200.7							
Aluminum, Dissolved	**2040**	ug/L	200	1		02/07/18 11:53	7429-90-5	
Antimony, Dissolved	**<60.0**	ug/L	60.0	1		02/07/18 11:53	7440-36-0	
Arsenic, Dissolved	**<10.0**	ug/L	10.0	1		02/07/18 11:53	7440-38-2	
Barium, Dissolved	**297**	ug/L	200	1		02/07/18 11:53	7440-39-3	
Beryllium, Dissolved	**<5.0**	ug/L	5.0	1		02/07/18 11:53	7440-41-7	
Boron, Dissolved	**3100**	ug/L	50.0	1		02/07/18 11:53	7440-42-8	
Cadmium, Dissolved	**6.5**	ug/L	2.5	1		02/07/18 11:53	7440-43-9	
Calcium, Dissolved	**274000**	ug/L	1000	1		02/07/18 11:53	7440-70-2	
Chromium, Dissolved	**5.6J**	ug/L	10.0	1		02/07/18 11:53	7440-47-3	
Cobalt, Dissolved	**<50.0**	ug/L	50.0	1		02/07/18 11:53	7440-48-4	
Copper, Dissolved	**<25.0**	ug/L	25.0	1		02/07/18 11:53	7440-50-8	
Iron, Dissolved	**14900**	ug/L	20.0	1		02/07/18 11:53	7439-89-6	
Lead, Dissolved	**31.2**	ug/L	5.0	1		02/07/18 11:53	7439-92-1	
Magnesium, Dissolved	**810000**	ug/L	1000	1		02/07/18 11:53	7439-95-4	
Manganese, Dissolved	**34.7**	ug/L	10.0	1		02/07/18 11:53	7439-96-5	
Nickel, Dissolved	**70.0**	ug/L	40.0	1		02/07/18 11:53	7440-02-0	
Potassium, Dissolved	**324000**	ug/L	100000	20		02/07/18 12:10	7440-09-7	
Selenium, Dissolved	**<10.0**	ug/L	10.0	1		02/07/18 11:53	7782-49-2	
Silver, Dissolved	**<10.0**	ug/L	10.0	1		02/07/18 11:53	7440-22-4	
Sodium, Dissolved	**<5000**	ug/L	5000	1		02/07/18 11:53	7440-23-5	
Thallium, Dissolved	**<10.0**	ug/L	10.0	1		02/07/18 11:53	7440-28-0	
Vanadium, Dissolved	**20.0J**	ug/L	50.0	1		02/07/18 11:53	7440-62-2	
Zinc, Dissolved	**310**	ug/L	20.0	1		02/07/18 11:53	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	**0.29**	ug/L	0.20	1	01/29/18 09:34	01/29/18 15:26	7439-97-6	B
245.1 Mercury, Dissolved	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury, Dissolved	**0.31**	ug/L	0.20	1	01/29/18 09:34	01/29/18 14:53	7439-97-6	B

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Sample: MW-104 **Lab ID: 7041247011** Collected: 01/25/18 09:00 Received: 01/25/18 17:41 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270D Preparation Method: EPA 3510C							
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1	01/26/18 10:30	01/30/18 15:15	120-82-1	
1,2-Dichlorobenzene	ND	ug/L	1.0	1	01/26/18 10:30	01/30/18 15:15	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1	01/26/18 10:30	01/30/18 15:15	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1	01/26/18 10:30	01/30/18 15:15	106-46-7	
2,2'-Oxybis(1-chloropropane)	ND	ug/L	1.0	1	01/26/18 10:30	01/30/18 15:15	108-60-1	
2,4,5-Trichlorophenol	ND	ug/L	1.0	1	01/26/18 10:30	01/30/18 15:15	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	1.0	1	01/26/18 10:30	01/30/18 15:15	88-06-2	
2,4-Dichlorophenol	ND	ug/L	1.0	1	01/26/18 10:30	01/30/18 15:15	120-83-2	
2,4-Dimethylphenol	ND	ug/L	1.0	1	01/26/18 10:30	01/30/18 15:15	105-67-9	
2,4-Dinitrophenol	ND	ug/L	10.0	1	01/26/18 10:30	01/30/18 15:15	51-28-5	L1
2,4-Dinitrotoluene	ND	ug/L	1.0	1	01/26/18 10:30	01/30/18 15:15	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	1.0	1	01/26/18 10:30	01/30/18 15:15	606-20-2	
2-Chloronaphthalene	ND	ug/L	1.0	1	01/26/18 10:30	01/30/18 15:15	91-58-7	
2-Chlorophenol	ND	ug/L	1.0	1	01/26/18 10:30	01/30/18 15:15	95-57-8	
2-Methylnaphthalene	ND	ug/L	1.0	1	01/26/18 10:30	01/30/18 15:15	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	1.0	1	01/26/18 10:30	01/30/18 15:15	95-48-7	
2-Nitroaniline	ND	ug/L	1.0	1	01/26/18 10:30	01/30/18 15:15	88-74-4	CL
2-Nitrophenol	ND	ug/L	1.0	1	01/26/18 10:30	01/30/18 15:15	88-75-5	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	1.0	1	01/26/18 10:30	01/30/18 15:15		
3,3'-Dichlorobenzidine	ND	ug/L	10.0	1	01/26/18 10:30	01/30/18 15:15	91-94-1	
3-Nitroaniline	ND	ug/L	1.0	1	01/26/18 10:30	01/30/18 15:15	99-09-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	10.0	1	01/26/18 10:30	01/30/18 15:15	534-52-1	
4-Bromophenylphenyl ether	ND	ug/L	1.0	1	01/26/18 10:30	01/30/18 15:15	101-55-3	
4-Chloro-3-methylphenol	ND	ug/L	1.0	1	01/26/18 10:30	01/30/18 15:15	59-50-7	
4-Chloroaniline	ND	ug/L	1.0	1	01/26/18 10:30	01/30/18 15:15	106-47-8	
4-Chlorophenylphenyl ether	ND	ug/L	1.0	1	01/26/18 10:30	01/30/18 15:15	7005-72-3	
4-Nitroaniline	ND	ug/L	1.0	1	01/26/18 10:30	01/30/18 15:15	100-01-6	
4-Nitrophenol	ND	ug/L	10.0	1	01/26/18 10:30	01/30/18 15:15	100-02-7	IC
Acenaphthene	ND	ug/L	1.0	1	01/26/18 10:30	01/30/18 15:15	83-32-9	
Acenaphthylene	**1.1J**	ug/L	1.0	1	01/26/18 10:30	01/30/18 15:15	208-96-8	
Anthracene	**1.4J**	ug/L	1.0	1	01/26/18 10:30	01/30/18 15:15	120-12-7	
Benzo(a)anthracene	**6.2**	ug/L	1.0	1	01/26/18 10:30	01/30/18 15:15	56-55-3	
Benzo(a)pyrene	**7.8**	ug/L	1.0	1	01/26/18 10:30	01/30/18 15:15	50-32-8	
Benzo(b)fluoranthene	**11.3**	ug/L	1.0	1	01/26/18 10:30	01/30/18 15:15	205-99-2	
Benzo(g,h,i)perylene	**3.1J**	ug/L	1.0	1	01/26/18 10:30	01/30/18 15:15	191-24-2	
Benzo(k)fluoranthene	**4.7J**	ug/L	1.0	1	01/26/18 10:30	01/30/18 15:15	207-08-9	
Butylbenzylphthalate	ND	ug/L	1.0	1	01/26/18 10:30	01/30/18 15:15	85-68-7	
Carbazole	**<5.0**	ug/L	5.0	1	01/26/18 10:30	01/30/18 15:15	86-74-8	
Chrysene	**6.5**	ug/L	1.0	1	01/26/18 10:30	01/30/18 15:15	218-01-9	
Di-n-butylphthalate	ND	ug/L	1.0	1	01/26/18 10:30	01/30/18 15:15	84-74-2	
Di-n-octylphthalate	ND	ug/L	1.0	1	01/26/18 10:30	01/30/18 15:15	117-84-0	
Dibenz(a,h)anthracene	ND	ug/L	1.0	1	01/26/18 10:30	01/30/18 15:15	53-70-3	
Dibenzofuran	ND	ug/L	1.0	1	01/26/18 10:30	01/30/18 15:15	132-64-9	
Diethylphthalate	ND	ug/L	1.0	1	01/26/18 10:30	01/30/18 15:15	84-66-2	
Dimethylphthalate	ND	ug/L	1.0	1	01/26/18 10:30	01/30/18 15:15	131-11-3	
Fluoranthene	**12.3**	ug/L	1.0	1	01/26/18 10:30	01/30/18 15:15	206-44-0	
Fluorene	ND	ug/L	1.0	1	01/26/18 10:30	01/30/18 15:15	86-73-7	

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ANALYTICAL RESULTS

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Sample: MW-104 **Lab ID: 7041247011** Collected: 01/25/18 09:00 Received: 01/25/18 17:41 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270D Preparation Method: EPA 3510C							
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1	01/26/18 10:30	01/30/18 15:15	87-68-3	L1
Hexachlorobenzene	ND	ug/L	1.0	1	01/26/18 10:30	01/30/18 15:15	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	10.0	1	01/26/18 10:30	01/30/18 15:15	77-47-4	CL,IC,L1
Hexachloroethane	ND	ug/L	1.0	1	01/26/18 10:30	01/30/18 15:15	67-72-1	
Indeno(1,2,3-cd)pyrene	**3.4J**	ug/L	1.0	1	01/26/18 10:30	01/30/18 15:15	193-39-5	
Isophorone	ND	ug/L	1.0	1	01/26/18 10:30	01/30/18 15:15	78-59-1	
N-Nitroso-di-n-propylamine	ND	ug/L	1.0	1	01/26/18 10:30	01/30/18 15:15	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	1.0	1	01/26/18 10:30	01/30/18 15:15	86-30-6	L1
Naphthalene	ND	ug/L	1.0	1	01/26/18 10:30	01/30/18 15:15	91-20-3	
Nitrobenzene	ND	ug/L	1.0	1	01/26/18 10:30	01/30/18 15:15	98-95-3	
Pentachlorophenol	ND	ug/L	10.0	1	01/26/18 10:30	01/30/18 15:15	87-86-5	L1
Phenanthrene	**2.7J**	ug/L	1.0	1	01/26/18 10:30	01/30/18 15:15	85-01-8	
Phenol	ND	ug/L	1.0	1	01/26/18 10:30	01/30/18 15:15	108-95-2	
Pyrene	**13.3**	ug/L	1.0	1	01/26/18 10:30	01/30/18 15:15	129-00-0	
bis(2-Chloroethoxy)methane	ND	ug/L	1.0	1	01/26/18 10:30	01/30/18 15:15	111-91-1	L1
bis(2-Chloroethyl) ether	ND	ug/L	1.0	1	01/26/18 10:30	01/30/18 15:15	111-44-4	
bis(2-Ethylhexyl)phthalate	**2.3J**	ug/L	1.0	1	01/26/18 10:30	01/30/18 15:15	117-81-7	
Surrogates								
Nitrobenzene-d5 (S)	83	%	35-114	1	01/26/18 10:30	01/30/18 15:15	4165-60-0	
2-Fluorobiphenyl (S)	87	%	43-116	1	01/26/18 10:30	01/30/18 15:15	321-60-8	
p-Terphenyl-d14 (S)	97	%	33-141	1	01/26/18 10:30	01/30/18 15:15	1718-51-0	
Phenol-d5 (S)	35	%	10-110	1	01/26/18 10:30	01/30/18 15:15	4165-62-2	
2-Fluorophenol (S)	39	%	21-110	1	01/26/18 10:30	01/30/18 15:15	367-12-4	
2,4,6-Tribromophenol (S)	110	%	10-123	1	01/26/18 10:30	01/30/18 15:15	118-79-6	
2-Chlorophenol-d4 (S)	73	%	33-110	1	01/26/18 10:30	01/30/18 15:15	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	65	%	16-110	1	01/26/18 10:30	01/30/18 15:15	2199-69-1	
Tentatively Identified Compounds								
Diethyltoluamide	**3.8J**	ug/L		1	01/26/18 10:30	01/30/18 15:15	134-62-3	N
Unknown	**3.0J**	ug/L		1	01/26/18 10:30	01/30/18 15:15		
Cyclic octaatomic sulfu	**3360J**	ug/L		1	01/26/18 10:30	01/30/18 15:15	10544-50-0	N
Benzo[e]pyrene	**5.9J**	ug/L		1	01/26/18 10:30	01/30/18 15:15	192-97-2	N
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		01/27/18 01:18	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		01/27/18 01:18	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		01/27/18 01:18	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		01/27/18 01:18	79-00-5	
1,1-Dichloroethane	ND	ug/L	5.0	1		01/27/18 01:18	75-34-3	
1,1-Dichloroethene	ND	ug/L	5.0	1		01/27/18 01:18	75-35-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		01/27/18 01:18	96-18-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		01/27/18 01:18	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		01/27/18 01:18	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		01/27/18 01:18	95-50-1	
1,2-Dichloroethane	ND	ug/L	5.0	1		01/27/18 01:18	107-06-2	
1,2-Dichloropropane	ND	ug/L	5.0	1		01/27/18 01:18	78-87-5	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		01/27/18 01:18	106-46-7	
2-Butanone (MEK)	ND	ug/L	5.0	1		01/27/18 01:18	78-93-3	

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ANALYTICAL RESULTS

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Sample: MW-104 **Lab ID: 7041247011** Collected: 01/25/18 09:00 Received: 01/25/18 17:41 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C							
2-Hexanone	ND	ug/L	5.0	1		01/27/18 01:18	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		01/27/18 01:18	108-10-1	
Acetone	ND	ug/L	5.0	1		01/27/18 01:18	67-64-1	
Acrylonitrile	ND	ug/L	5.0	1		01/27/18 01:18	107-13-1	
Benzene	ND	ug/L	5.0	1		01/27/18 01:18	71-43-2	
Bromochloromethane	ND	ug/L	5.0	1		01/27/18 01:18	74-97-5	L1
Bromodichloromethane	ND	ug/L	5.0	1		01/27/18 01:18	75-27-4	
Bromoform	ND	ug/L	5.0	1		01/27/18 01:18	75-25-2	
Bromomethane	ND	ug/L	5.0	1		01/27/18 01:18	74-83-9	
Carbon disulfide	ND	ug/L	5.0	1		01/27/18 01:18	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		01/27/18 01:18	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		01/27/18 01:18	108-90-7	
Chloroethane	ND	ug/L	5.0	1		01/27/18 01:18	75-00-3	
Chloroform	ND	ug/L	5.0	1		01/27/18 01:18	67-66-3	
Chloromethane	ND	ug/L	5.0	1		01/27/18 01:18	74-87-3	CL
Dibromochloromethane	ND	ug/L	5.0	1		01/27/18 01:18	124-48-1	
Dibromomethane	ND	ug/L	5.0	1		01/27/18 01:18	74-95-3	
Ethylbenzene	ND	ug/L	5.0	1		01/27/18 01:18	100-41-4	
Iodomethane	ND	ug/L	5.0	1		01/27/18 01:18	74-88-4	
Methylene Chloride	ND	ug/L	5.0	1		01/27/18 01:18	75-09-2	
Styrene	ND	ug/L	5.0	1		01/27/18 01:18	100-42-5	
Tetrachloroethene	ND	ug/L	5.0	1		01/27/18 01:18	127-18-4	
Toluene	ND	ug/L	5.0	1		01/27/18 01:18	108-88-3	
Trichloroethene	ND	ug/L	5.0	1		01/27/18 01:18	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		01/27/18 01:18	75-69-4	
Vinyl acetate	ND	ug/L	5.0	1		01/27/18 01:18	108-05-4	
Xylene (Total)	ND	ug/L	5.0	1		01/27/18 01:18	1330-20-7	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		01/27/18 01:18	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		01/27/18 01:18	10061-01-5	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		01/27/18 01:18	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		01/27/18 01:18	10061-02-6	
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1		01/27/18 01:18	110-57-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	87	%	68-153	1		01/27/18 01:18	17060-07-0	
4-Bromofluorobenzene (S)	99	%	79-124	1		01/27/18 01:18	460-00-4	
Toluene-d8 (S)	103	%	69-124	1		01/27/18 01:18	2037-26-5	
TIC MSV Water	Analytical Method: EPA 8260							
TIC Search	**No TICs Found**			1		01/29/18 16:35		
2320B Alkalinity	Analytical Method: SM22 2320B							
Alkalinity, Total as CaCO3	**763**	mg/L	1.0	1		02/06/18 11:09		
Alkalinity,Bicarbonate (CaCO3)	**763**	mg/L	1.0	1		02/06/18 11:09		
Alkalinity,Carbonate (CaCO3)	**<1.0**	mg/L	1.0	1		02/06/18 11:09		

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(631)694-3040

ANALYTICAL RESULTS

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Sample: MW-104 **Lab ID: 7041247011** Collected: 01/25/18 09:00 Received: 01/25/18 17:41 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids	Analytical Method: SM22 2540C							
Total Dissolved Solids	**27500**	mg/L	1000	1		01/31/18 17:10		
410.4 COD	Analytical Method: EPA 410.4 Preparation Method: EPA 410.4							
Chemical Oxygen Demand	**904**	mg/L	200	1	01/30/18 11:25	01/30/18 13:45		
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0							
Chloride	**13900**	mg/L	1000	500		01/31/18 09:27	16887-00-6	
Sulfate	**1120**	mg/L	250	50		01/31/18 08:33	14808-79-8	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	**27.3**	mg/L	2.5	5	02/02/18 06:17	02/02/18 13:39	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrate-Nitrite (as N)	**<0.050**	mg/L	0.050	1		01/26/18 13:12	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**<0.050**	mg/L	0.050	1		01/26/18 07:31	14797-65-0	
4500 Ammonia Water	Analytical Method: SM22 4500 NH3 H							
Nitrogen, Ammonia	**16.2**	mg/L	1.0	10		01/29/18 12:59	7664-41-7	
9014 Cyanide, Total	Analytical Method: EPA 9014 Total Cyanide Preparation Method: EPA 9010C							
Cyanide	**<10.0**	ug/L	10.0	1	02/08/18 07:28	02/08/18 17:13	57-12-5	

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QUALITY CONTROL DATA

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

QC Batch: 55400 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Dissolved
Associated Lab Samples: 7041247001, 7041247002, 7041247003, 7041247005, 7041247007, 7041247008, 7041247009, 7041247010, 7041247011

METHOD BLANK: 255450 Matrix: Water
Associated Lab Samples: 7041247001, 7041247002, 7041247003, 7041247005, 7041247007, 7041247008, 7041247009, 7041247010, 7041247011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum, Dissolved	ug/L	19.5J	200	02/07/18 11:30	
Antimony, Dissolved	ug/L	3.3J	60.0	02/07/18 11:30	
Arsenic, Dissolved	ug/L	<10.0	10.0	02/07/18 11:30	
Barium, Dissolved	ug/L	<200	200	02/07/18 11:30	
Beryllium, Dissolved	ug/L	<5.0	5.0	02/07/18 11:30	
Boron, Dissolved	ug/L	<50.0	50.0	02/07/18 11:30	
Cadmium, Dissolved	ug/L	<2.5	2.5	02/07/18 11:30	
Calcium, Dissolved	ug/L	<1000	1000	02/07/18 11:30	
Chromium, Dissolved	ug/L	<10.0	10.0	02/07/18 11:30	
Cobalt, Dissolved	ug/L	<50.0	50.0	02/07/18 11:30	
Copper, Dissolved	ug/L	<25.0	25.0	02/07/18 11:30	
Iron, Dissolved	ug/L	<20.0	20.0	02/07/18 11:30	
Lead, Dissolved	ug/L	<5.0	5.0	02/07/18 11:30	
Magnesium, Dissolved	ug/L	<1000	1000	02/07/18 11:30	
Manganese, Dissolved	ug/L	<10.0	10.0	02/07/18 11:30	
Nickel, Dissolved	ug/L	<40.0	40.0	02/07/18 11:30	
Potassium, Dissolved	ug/L	<5000	5000	02/07/18 11:30	
Selenium, Dissolved	ug/L	<10.0	10.0	02/07/18 11:30	
Silver, Dissolved	ug/L	<10.0	10.0	02/07/18 11:30	
Sodium, Dissolved	ug/L	<5000	5000	02/07/18 11:30	
Thallium, Dissolved	ug/L	<10.0	10.0	02/07/18 11:30	
Vanadium, Dissolved	ug/L	<50.0	50.0	02/07/18 11:30	
Zinc, Dissolved	ug/L	<20.0	20.0	02/07/18 11:30	

LABORATORY CONTROL SAMPLE: 255451

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	5000	4930	99	85-115	
Antimony, Dissolved	ug/L	750	754	101	85-115	
Arsenic, Dissolved	ug/L	500	494	99	85-115	
Barium, Dissolved	ug/L	500	499	100	85-115	
Beryllium, Dissolved	ug/L	50	49.6	99	85-115	
Boron, Dissolved	ug/L	2500	2460	98	85-115	
Cadmium, Dissolved	ug/L	50	49.6	99	85-115	
Calcium, Dissolved	ug/L	25000	25200	101	85-115	
Chromium, Dissolved	ug/L	250	247	99	85-115	
Cobalt, Dissolved	ug/L	500	503	101	85-115	
Copper, Dissolved	ug/L	250	246	98	85-115	

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QUALITY CONTROL DATA

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

LABORATORY CONTROL SAMPLE: 255451

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron, Dissolved	ug/L	2000	2000	100	85-115	
Lead, Dissolved	ug/L	500	501	100	85-115	
Magnesium, Dissolved	ug/L	25000	24900	100	85-115	
Manganese, Dissolved	ug/L	250	247	99	85-115	
Nickel, Dissolved	ug/L	250	248	99	85-115	
Potassium, Dissolved	ug/L	50000	48700	97	85-115	
Selenium, Dissolved	ug/L	750	753	100	85-115	
Silver, Dissolved	ug/L	250	237	95	85-115	
Sodium, Dissolved	ug/L	50000	49100	98	85-115	
Thallium, Dissolved	ug/L	750	733	98	85-115	
Vanadium, Dissolved	ug/L	500	494	99	85-115	
Zinc, Dissolved	ug/L	1000	1010	101	85-115	

MATRIX SPIKE SAMPLE: 255465

Parameter	Units	7041247008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum, Dissolved	ug/L	<200	5000	5460	109	70-130	
Antimony, Dissolved	ug/L	<60.0	750	812	108	70-130	
Arsenic, Dissolved	ug/L	<10.0	500	504	100	70-130	
Barium, Dissolved	ug/L	224	500	743	104	70-130	
Beryllium, Dissolved	ug/L	<5.0	50	45.0	90	70-130	
Boron, Dissolved	ug/L	3470	2500	5570	84	70-130	
Cadmium, Dissolved	ug/L	<2.5	50	43.6	87	70-130	
Calcium, Dissolved	ug/L	284000	25000	291000	28	70-130	M1
Chromium, Dissolved	ug/L	<10.0	250	235	94	70-130	
Cobalt, Dissolved	ug/L	<50.0	500	459	92	70-130	
Copper, Dissolved	ug/L	<25.0	250	215	86	70-130	
Iron, Dissolved	ug/L	<20.0	2000	1870	94	70-130	
Lead, Dissolved	ug/L	<5.0	500	437	87	70-130	
Magnesium, Dissolved	ug/L	817000	25000	800000	-68	70-130	M1
Manganese, Dissolved	ug/L	50.9	250	291	96	70-130	
Nickel, Dissolved	ug/L	18.4J	250	242	89	70-130	
Potassium, Dissolved	ug/L	338000	1000000	1300000	96	70-130	
Selenium, Dissolved	ug/L	<10.0	750	674	90	70-130	
Silver, Dissolved	ug/L	<10.0	250	108	42	70-130	M1
Sodium, Dissolved	ug/L	<5000	50000	<5000	0	70-130	M1
Thallium, Dissolved	ug/L	<10.0	750	792	106	70-130	
Vanadium, Dissolved	ug/L	16.0J	500	498	96	70-130	
Zinc, Dissolved	ug/L	<20.0	1000	862	86	70-130	

SAMPLE DUPLICATE: 255464

Parameter	Units	7041247008 Result	Dup Result	RPD	Qualifiers
Aluminum, Dissolved	ug/L	<200	<200		

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QUALITY CONTROL DATA

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

SAMPLE DUPLICATE: 255464

Parameter	Units	7041247008 Result	Dup Result	RPD	Qualifiers
Antimony, Dissolved	ug/L	<60.0	11.0J		
Arsenic, Dissolved	ug/L	<10.0	<10.0		
Barium, Dissolved	ug/L	224	223	0	
Beryllium, Dissolved	ug/L	<5.0	<5.0		
Boron, Dissolved	ug/L	3470	3440	1	
Cadmium, Dissolved	ug/L	<2.5	<2.5		
Calcium, Dissolved	ug/L	284000	281000	1	
Chromium, Dissolved	ug/L	<10.0	<10.0		
Cobalt, Dissolved	ug/L	<50.0	<50.0		
Copper, Dissolved	ug/L	<25.0	<25.0		
Iron, Dissolved	ug/L	<20.0	<400		
Lead, Dissolved	ug/L	<5.0	<100		
Magnesium, Dissolved	ug/L	817000	812000	1	
Manganese, Dissolved	ug/L	50.9	50.1	2	
Nickel, Dissolved	ug/L	18.4J	18.7J		
Potassium, Dissolved	ug/L	338000	316000	7	
Selenium, Dissolved	ug/L	<10.0	<10.0		
Silver, Dissolved	ug/L	<10.0	<10.0		
Sodium, Dissolved	ug/L	<5000	<5000		
Thallium, Dissolved	ug/L	<10.0	<200		
Vanadium, Dissolved	ug/L	16.0J	16.0J		
Zinc, Dissolved	ug/L	<20.0	<20.0		

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QUALITY CONTROL DATA

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

QC Batch: 54293 Analysis Method: EPA 245.1
QC Batch Method: EPA 245.1 Analysis Description: 245.1 Mercury
Associated Lab Samples: 7041247001, 7041247002, 7041247003, 7041247005

METHOD BLANK: 250715 Matrix: Water
Associated Lab Samples: 7041247001, 7041247002, 7041247003, 7041247005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	0.040J	0.20	01/29/18 13:29	

LABORATORY CONTROL SAMPLE: 250716

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	1	0.99	99	85-115	

MATRIX SPIKE SAMPLE: 250717

Parameter	Units	7041247001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	0.25	1	1.2	98	70-130	

SAMPLE DUPLICATE: 250718

Parameter	Units	7041247001 Result	Dup Result	RPD	Qualifiers
Mercury	ug/L	0.25	0.11J		

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QUALITY CONTROL DATA

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

QC Batch: 54442 Analysis Method: EPA 245.1
QC Batch Method: EPA 245.1 Analysis Description: 245.1 Mercury
Associated Lab Samples: 7041247007, 7041247008, 7041247009, 7041247010, 7041247011

METHOD BLANK: 251226 Matrix: Water
Associated Lab Samples: 7041247007, 7041247008, 7041247009, 7041247010, 7041247011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	0.040J	0.20	01/29/18 15:07	

LABORATORY CONTROL SAMPLE: 251227

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	1	1.1	111	85-115	

MATRIX SPIKE SAMPLE: 251228

Parameter	Units	7041247008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	0.042J	1	1.1	103	70-130	

SAMPLE DUPLICATE: 251229

Parameter	Units	7041247008 Result	Dup Result	RPD	Qualifiers
Mercury	ug/L	0.042J	<0.20		

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QUALITY CONTROL DATA

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

QC Batch: 54292 Analysis Method: EPA 245.1
QC Batch Method: EPA 245.1 Analysis Description: 245.1 Mercury - Dissolved
Associated Lab Samples: 7041247001, 7041247002, 7041247003, 7041247005

METHOD BLANK: 250711 Matrix: Water
Associated Lab Samples: 7041247001, 7041247002, 7041247003, 7041247005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	0.058J	0.20	01/29/18 13:15	

LABORATORY CONTROL SAMPLE: 250712

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	1	1.0	100	85-115	

MATRIX SPIKE SAMPLE: 250713

Parameter	Units	7041247001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	0.29	1	1.3	102	70-130	

SAMPLE DUPLICATE: 250714

Parameter	Units	7041247001 Result	Dup Result	RPD	Qualifiers
Mercury, Dissolved	ug/L	0.29	0.16J		

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QUALITY CONTROL DATA

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

QC Batch: 54441 Analysis Method: EPA 245.1
QC Batch Method: EPA 245.1 Analysis Description: 245.1 Mercury - Dissolved
Associated Lab Samples: 7041247007, 7041247008, 7041247009, 7041247010, 7041247011

METHOD BLANK: 251222 Matrix: Water
Associated Lab Samples: 7041247007, 7041247008, 7041247009, 7041247010, 7041247011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	0.13J	0.20	01/29/18 14:39	

LABORATORY CONTROL SAMPLE: 251223

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	1	1.1	108	85-115	

MATRIX SPIKE SAMPLE: 251224

Parameter	Units	7041247008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	<0.20	1	1.1	112	70-130	

SAMPLE DUPLICATE: 251225

Parameter	Units	7041247008 Result	Dup Result	RPD	Qualifiers
Mercury, Dissolved	ug/L	<0.20	<0.20		

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QUALITY CONTROL DATA

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

QC Batch: 54288 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Total
Associated Lab Samples: 7041247001, 7041247002, 7041247003, 7041247005

METHOD BLANK: 250692 Matrix: Water
Associated Lab Samples: 7041247001, 7041247002, 7041247003, 7041247005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	36.7J	200	02/01/18 10:12	
Antimony	ug/L	<60.0	60.0	02/01/18 10:12	
Arsenic	ug/L	<10.0	10.0	02/01/18 10:12	
Barium	ug/L	<200	200	02/01/18 10:12	
Beryllium	ug/L	<5.0	5.0	02/01/18 10:12	
Boron	ug/L	<50.0	50.0	02/01/18 10:12	
Cadmium	ug/L	<2.5	2.5	02/01/18 10:12	
Calcium	ug/L	<1000	1000	02/01/18 10:12	
Chromium	ug/L	<10.0	10.0	02/01/18 10:12	
Cobalt	ug/L	<50.0	50.0	02/01/18 10:12	
Copper	ug/L	<25.0	25.0	02/01/18 10:12	
Iron	ug/L	<20.0	20.0	02/01/18 10:12	
Lead	ug/L	<5.0	5.0	02/01/18 10:12	
Magnesium	ug/L	<1000	1000	02/01/18 10:12	
Manganese	ug/L	<10.0	10.0	02/01/18 10:12	
Nickel	ug/L	<40.0	40.0	02/01/18 10:12	
Potassium	ug/L	<5000	5000	02/01/18 10:12	
Selenium	ug/L	<10.0	10.0	02/01/18 10:12	
Silver	ug/L	<10.0	10.0	02/01/18 10:12	
Sodium	ug/L	<5000	5000	02/01/18 10:12	
Thallium	ug/L	<10.0	10.0	02/01/18 10:12	
Vanadium	ug/L	<50.0	50.0	02/01/18 10:12	
Zinc	ug/L	1.6J	20.0	02/01/18 10:12	

LABORATORY CONTROL SAMPLE: 250693

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	5000	4920	98	85-115	
Antimony	ug/L	750	750	100	85-115	
Arsenic	ug/L	500	497	99	85-115	
Barium	ug/L	500	502	100	85-115	
Beryllium	ug/L	50	50.2	100	85-115	
Boron	ug/L	2500	2480	99	85-115	
Cadmium	ug/L	50	50.1	100	85-115	
Calcium	ug/L	25000	25200	101	85-115	
Chromium	ug/L	250	252	101	85-115	
Cobalt	ug/L	500	499	100	85-115	
Copper	ug/L	250	248	99	85-115	
Iron	ug/L	2000	2030	102	85-115	
Lead	ug/L	500	499	100	85-115	

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QUALITY CONTROL DATA

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

LABORATORY CONTROL SAMPLE: 250693

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Magnesium	ug/L	25000	24800	99	85-115	
Manganese	ug/L	250	252	101	85-115	
Nickel	ug/L	250	251	100	85-115	
Potassium	ug/L	50000	48500	97	85-115	
Selenium	ug/L	750	734	98	85-115	
Silver	ug/L	250	243	97	85-115	
Sodium	ug/L	50000	48300	97	85-115	
Thallium	ug/L	750	753	100	85-115	
Vanadium	ug/L	500	499	100	85-115	
Zinc	ug/L	1000	1020	102	85-115	

MATRIX SPIKE SAMPLE: 250695

Parameter	Units	7041307001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	<4000	5000	6030	107	70-130	
Antimony	ug/L	<1200	750	887	109	70-130	
Arsenic	ug/L	<200	500	542	97	70-130	
Barium	ug/L	<4000	500	729	123	70-130	
Beryllium	ug/L	<100	50	40.0	80	70-130	
Boron	ug/L	1780	2500	4500	109	70-130	
Cadmium	ug/L	<50.0	50	41.0	82	70-130	
Calcium	ug/L	6820000	25000	7060000	960	70-130	M6
Chromium	ug/L	41.6	250	275	93	70-130	
Cobalt	ug/L	<1000	500	456	85	70-130	
Copper	ug/L	<500	250	200	65	70-130	M1
Iron	ug/L	<400	2000	1880	94	70-130	
Lead	ug/L	<100	500	415	83	70-130	
Magnesium	ug/L	<20000	25000	19900	71	70-130	
Manganese	ug/L	<200	250	245	98	70-130	
Nickel	ug/L	134	250	360	90	70-130	
Potassium	ug/L	462000	50000	540000	156	70-130	M6
Selenium	ug/L	<200	750	765	102	70-130	
Silver	ug/L	<200	250	319	128	70-130	
Sodium	ug/L	9660000	50000	<5000	-19300	70-130	M1
Thallium	ug/L	<200	750	904	98	70-130	
Vanadium	ug/L	<1000	500	484	92	70-130	
Zinc	ug/L	<400	1000	814	81	70-130	

MATRIX SPIKE SAMPLE: 250697

Parameter	Units	7041311001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	212	5000	5310	102	70-130	
Antimony	ug/L	<60.0	750	760	101	70-130	
Arsenic	ug/L	<10.0	500	507	101	70-130	

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QUALITY CONTROL DATA

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

MATRIX SPIKE SAMPLE: 250697

Parameter	Units	7041311001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	<200	500	510	101	70-130	
Beryllium	ug/L	<5.0	50	50.4	101	70-130	
Boron	ug/L	146	2500	2660	101	70-130	
Cadmium	ug/L	<2.5	50	50.6	101	70-130	
Calcium	ug/L	29300	25000	54600	101	70-130	
Chromium	ug/L	<10.0	250	254	101	70-130	
Cobalt	ug/L	<50.0	500	507	101	70-130	
Copper	ug/L	<25.0	250	266	101	70-130	
Iron	ug/L	197	2000	2250	103	70-130	
Lead	ug/L	<5.0	500	498	100	70-130	
Magnesium	ug/L	9170	25000	34300	101	70-130	
Manganese	ug/L	45.2	250	299	102	70-130	
Nickel	ug/L	<40.0	250	254	99	70-130	
Potassium	ug/L	11600	50000	59500	96	70-130	
Selenium	ug/L	<10.0	750	756	100	70-130	
Silver	ug/L	<10.0	250	239	95	70-130	
Sodium	ug/L	104000	50000	143000	78	70-130	
Thallium	ug/L	18.5	750	762	99	70-130	
Vanadium	ug/L	<50.0	500	509	102	70-130	
Zinc	ug/L	54.2	1000	1090	104	70-130	

SAMPLE DUPLICATE: 250694

Parameter	Units	7041307001 Result	Dup Result	RPD	Qualifiers
Aluminum	ug/L	<4000	61.8J		
Antimony	ug/L	<1200	<60.0		
Arsenic	ug/L	<200	<10.0		
Barium	ug/L	<4000	146J		
Beryllium	ug/L	<100	<5.0		
Boron	ug/L	1780	1990	11	
Cadmium	ug/L	<50.0	<2.5		
Calcium	ug/L	6820000	7100000	4	
Chromium	ug/L	41.6	40.0	4	
Cobalt	ug/L	<1000	5.7J		
Copper	ug/L	<500	<25.0		
Iron	ug/L	<400	<400		
Lead	ug/L	<100	<100		
Magnesium	ug/L	<20000	1480		
Manganese	ug/L	<200	<10.0		
Nickel	ug/L	134	134	0	
Potassium	ug/L	462000	482000	4	
Selenium	ug/L	<200	<10.0		
Silver	ug/L	<200	3.8J		
Sodium	ug/L	9660000	<5000		
Thallium	ug/L	<200	33.8		

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QUALITY CONTROL DATA

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

SAMPLE DUPLICATE: 250694

Parameter	Units	7041307001 Result	Dup Result	RPD	Qualifiers
Vanadium	ug/L	<1000	2.7J		
Zinc	ug/L	<400	<20.0		

SAMPLE DUPLICATE: 250696

Parameter	Units	7041311001 Result	Dup Result	RPD	Qualifiers
Aluminum	ug/L	212	213	0	
Antimony	ug/L	<60.0	<60.0		
Arsenic	ug/L	<10.0	<10.0		
Barium	ug/L	<200	3.8J		
Beryllium	ug/L	<5.0	<5.0		
Boron	ug/L	146	147	1	
Cadmium	ug/L	<2.5	<2.5		
Calcium	ug/L	29300	28600	2	
Chromium	ug/L	<10.0	1.8J		
Cobalt	ug/L	<50.0	<50.0		
Copper	ug/L	<25.0	13.0J		
Iron	ug/L	197	194	2	
Lead	ug/L	<5.0	<5.0		
Magnesium	ug/L	9170	9090	1	
Manganese	ug/L	45.2	48.3	7	
Nickel	ug/L	<40.0	6.3J		
Potassium	ug/L	11600	10800	7	
Selenium	ug/L	<10.0	<10.0		
Silver	ug/L	<10.0	<10.0		
Sodium	ug/L	104000	95000	9	
Thallium	ug/L	18.5	19.3	4	
Vanadium	ug/L	<50.0	0.81J		
Zinc	ug/L	54.2	54.7	1	

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QUALITY CONTROL DATA

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

QC Batch: 54436 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Total
Associated Lab Samples: 7041247007, 7041247008, 7041247009, 7041247010, 7041247011

METHOD BLANK: 251202 Matrix: Water
Associated Lab Samples: 7041247007, 7041247008, 7041247009, 7041247010, 7041247011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Aluminum	ug/L	<200	200	02/01/18 20:47	
Antimony	ug/L	<60.0	60.0	02/01/18 20:47	
Arsenic	ug/L	<10.0	10.0	02/01/18 20:47	
Barium	ug/L	<200	200	02/01/18 20:47	
Beryllium	ug/L	<5.0	5.0	02/01/18 20:47	
Boron	ug/L	<50.0	50.0	02/01/18 20:47	
Cadmium	ug/L	<2.5	2.5	02/01/18 20:47	
Calcium	ug/L	<1000	1000	02/01/18 20:47	
Chromium	ug/L	<10.0	10.0	02/01/18 20:47	
Cobalt	ug/L	<50.0	50.0	02/01/18 20:47	
Copper	ug/L	<25.0	25.0	02/01/18 20:47	
Iron	ug/L	<20.0	20.0	02/01/18 20:47	
Lead	ug/L	<5.0	5.0	02/01/18 20:47	
Magnesium	ug/L	<1000	1000	02/01/18 20:47	
Manganese	ug/L	1.2J	10.0	02/01/18 20:47	
Nickel	ug/L	<40.0	40.0	02/01/18 20:47	
Potassium	ug/L	<5000	5000	02/01/18 20:47	
Selenium	ug/L	<10.0	10.0	02/01/18 20:47	
Silver	ug/L	<10.0	10.0	02/01/18 20:47	
Sodium	ug/L	799J	5000	02/01/18 20:47	
Thallium	ug/L	<10.0	10.0	02/01/18 20:47	
Vanadium	ug/L	<50.0	50.0	02/01/18 20:47	
Zinc	ug/L	1.7J	20.0	02/01/18 20:47	

LABORATORY CONTROL SAMPLE: 251203

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	5000	4840	97	85-115	
Antimony	ug/L	750	736	98	85-115	
Arsenic	ug/L	500	480	96	85-115	
Barium	ug/L	500	494	99	85-115	
Beryllium	ug/L	50	49.9	100	85-115	
Boron	ug/L	2500	2440	98	85-115	
Cadmium	ug/L	50	49.7	99	85-115	
Calcium	ug/L	25000	24800	99	85-115	
Chromium	ug/L	250	251	100	85-115	
Cobalt	ug/L	500	503	101	85-115	
Copper	ug/L	250	249	99	85-115	
Iron	ug/L	2000	1980	99	85-115	
Lead	ug/L	500	499	100	85-115	

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QUALITY CONTROL DATA

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

LABORATORY CONTROL SAMPLE: 251203

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Magnesium	ug/L	25000	24400	98	85-115	
Manganese	ug/L	250	246	99	85-115	
Nickel	ug/L	250	251	100	85-115	
Potassium	ug/L	50000	48100	96	85-115	
Selenium	ug/L	750	728	97	85-115	
Silver	ug/L	250	240	96	85-115	
Sodium	ug/L	50000	50700	101	85-115	
Thallium	ug/L	750	745	99	85-115	
Vanadium	ug/L	500	493	99	85-115	
Zinc	ug/L	1000	982	98	85-115	

MATRIX SPIKE SAMPLE: 251205

Parameter	Units	7041247007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	71.6J	5000	6060	120	70-130	
Antimony	ug/L	<60.0	750	834	111	70-130	
Arsenic	ug/L	<10.0	500	556	111	70-130	
Barium	ug/L	112J	500	594	96	70-130	
Beryllium	ug/L	<5.0	50	47.2	94	70-130	
Boron	ug/L	4990	2500	7450	98	70-130	
Cadmium	ug/L	<2.5	50	45.9	92	70-130	
Calcium	ug/L	526000	25000	542000	62	70-130	M1
Chromium	ug/L	3.3J	250	248	98	70-130	
Cobalt	ug/L	5.8J	500	480	95	70-130	
Copper	ug/L	<25.0	250	247	99	70-130	
Iron	ug/L	2120	2000	4000	94	70-130	
Lead	ug/L	<5.0	500	470	94	70-130	
Magnesium	ug/L	640000	25000	659000	76	70-130	
Manganese	ug/L	897	250	1170	108	70-130	
Nickel	ug/L	13.4J	250	247	93	70-130	
Potassium	ug/L	157000	50000	219000	124	70-130	
Selenium	ug/L	<10.0	750	834	111	70-130	
Silver	ug/L	<10.0	250	319	127	70-130	
Sodium	ug/L	6550000	50000	6630000	152	70-130	M6
Thallium	ug/L	<10.0	750	658	88	70-130	
Vanadium	ug/L	<50.0	500	521	104	70-130	
Zinc	ug/L	<20.0	1000	1110	111	70-130	

MATRIX SPIKE SAMPLE: 251207

Parameter	Units	7041247008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Aluminum	ug/L	90.0J	5000	5930	117	70-130	
Antimony	ug/L	<60.0	750	824	110	70-130	
Arsenic	ug/L	<10.0	500	555	111	70-130	

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QUALITY CONTROL DATA

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

MATRIX SPIKE SAMPLE: 251207

Parameter	Units	7041247008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Barium	ug/L	202	500	676	95	70-130	
Beryllium	ug/L	<5.0	50	46.4	93	70-130	
Boron	ug/L	3600	2500	5940	94	70-130	
Cadmium	ug/L	<2.5	50	45.5	91	70-130	
Calcium	ug/L	314000	25000	331000	69	70-130	M1
Chromium	ug/L	10.4	250	251	96	70-130	
Cobalt	ug/L	6.3J	500	475	94	70-130	
Copper	ug/L	<25.0	250	241	97	70-130	
Iron	ug/L	<20.0	2000	1920	96	70-130	
Lead	ug/L	<5.0	500	466	93	70-130	
Magnesium	ug/L	970000	25000	980000	41	70-130	M1
Manganese	ug/L	43.0	250	292	100	70-130	
Nickel	ug/L	<40.0	250	230	92	70-130	
Potassium	ug/L	293000	50000	347000	107	70-130	
Selenium	ug/L	<10.0	750	474	63	70-130	M1
Silver	ug/L	<10.0	250	317	126	70-130	
Sodium	ug/L	7770000	50000	7850000	148	70-130	M6
Thallium	ug/L	<10.0	750	649	87	70-130	
Vanadium	ug/L	13.9J	500	525	102	70-130	
Zinc	ug/L	<20.0	1000	1100	110	70-130	

SAMPLE DUPLICATE: 251204

Parameter	Units	7041247007 Result	Dup Result	RPD	Qualifiers
Aluminum	ug/L	71.6J	96.2J		
Antimony	ug/L	<60.0	<60.0		
Arsenic	ug/L	<10.0	<10.0		
Barium	ug/L	112J	113J		
Beryllium	ug/L	<5.0	<5.0		
Boron	ug/L	4990	5040	1	
Cadmium	ug/L	<2.5	<2.5		
Calcium	ug/L	526000	529000	1	
Chromium	ug/L	3.3J	2.2J		
Cobalt	ug/L	5.8J	5.7J		
Copper	ug/L	<25.0	<25.0		
Iron	ug/L	2120	2150	1	
Lead	ug/L	<5.0	2.5J		
Magnesium	ug/L	640000	650000	2	
Manganese	ug/L	897	913	2	
Nickel	ug/L	13.4J	12.7J		
Potassium	ug/L	157000	160000	2	
Selenium	ug/L	<10.0	<10.0		
Silver	ug/L	<10.0	<10.0		
Sodium	ug/L	6550000	6720000	3	
Thallium	ug/L	<10.0	<10.0		

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QUALITY CONTROL DATA

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

SAMPLE DUPLICATE: 251204

Parameter	Units	7041247007 Result	Dup Result	RPD	Qualifiers
Vanadium	ug/L	<50.0	<50.0		
Zinc	ug/L	<20.0	<20.0		

SAMPLE DUPLICATE: 251206

Parameter	Units	7041247008 Result	Dup Result	RPD	Qualifiers
Aluminum	ug/L	90.0J	70.4J		
Antimony	ug/L	<60.0	<60.0		
Arsenic	ug/L	<10.0	<10.0		
Barium	ug/L	202	200J		
Beryllium	ug/L	<5.0	<5.0		
Boron	ug/L	3600	3530	2	
Cadmium	ug/L	<2.5	<2.5		
Calcium	ug/L	314000	312000	1	
Chromium	ug/L	10.4	10.3	1	
Cobalt	ug/L	6.3J	6.1J		
Copper	ug/L	<25.0	<25.0		
Iron	ug/L	<20.0	<400		
Lead	ug/L	<5.0	2.2J		
Magnesium	ug/L	970000	967000	0	
Manganese	ug/L	43.0	42.6	1	
Nickel	ug/L	<40.0	<40.0		
Potassium	ug/L	293000	300000	2	
Selenium	ug/L	<10.0	<10.0		
Silver	ug/L	<10.0	<10.0		
Sodium	ug/L	7770000	7760000	0	
Thallium	ug/L	<10.0	<10.0		
Vanadium	ug/L	13.9J	13.3J		
Zinc	ug/L	<20.0	<20.0		

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QUALITY CONTROL DATA

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

QC Batch: 54339 Analysis Method: EPA 8260C/5030C
QC Batch Method: EPA 8260C/5030C Analysis Description: 8260 MSV
Associated Lab Samples: 7041247001, 7041247002, 7041247003, 7041247004, 7041247005, 7041247006, 7041247007, 7041247008, 7041247009, 7041247010, 7041247011

METHOD BLANK: 250917 Matrix: Water
Associated Lab Samples: 7041247001, 7041247002, 7041247003, 7041247004, 7041247005, 7041247006, 7041247007, 7041247008, 7041247009, 7041247010, 7041247011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	01/26/18 19:07	
1,1,1-Trichloroethane	ug/L	ND	5.0	01/26/18 19:07	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	01/26/18 19:07	
1,1,2-Trichloroethane	ug/L	ND	5.0	01/26/18 19:07	
1,1-Dichloroethane	ug/L	ND	5.0	01/26/18 19:07	
1,1-Dichloroethene	ug/L	ND	5.0	01/26/18 19:07	
1,2,3-Trichloropropane	ug/L	ND	5.0	01/26/18 19:07	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	01/26/18 19:07	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	01/26/18 19:07	
1,2-Dichlorobenzene	ug/L	ND	5.0	01/26/18 19:07	
1,2-Dichloroethane	ug/L	ND	5.0	01/26/18 19:07	
1,2-Dichloropropane	ug/L	ND	5.0	01/26/18 19:07	
1,4-Dichlorobenzene	ug/L	ND	5.0	01/26/18 19:07	
2-Butanone (MEK)	ug/L	ND	5.0	01/26/18 19:07	
2-Hexanone	ug/L	ND	5.0	01/26/18 19:07	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	01/26/18 19:07	
Acetone	ug/L	ND	5.0	01/26/18 19:07	
Acrylonitrile	ug/L	ND	5.0	01/26/18 19:07	
Benzene	ug/L	ND	5.0	01/26/18 19:07	
Bromochloromethane	ug/L	ND	5.0	01/26/18 19:07	
Bromodichloromethane	ug/L	ND	5.0	01/26/18 19:07	
Bromoform	ug/L	ND	5.0	01/26/18 19:07	
Bromomethane	ug/L	ND	5.0	01/26/18 19:07	
Carbon disulfide	ug/L	ND	5.0	01/26/18 19:07	
Carbon tetrachloride	ug/L	ND	5.0	01/26/18 19:07	
Chlorobenzene	ug/L	ND	5.0	01/26/18 19:07	
Chloroethane	ug/L	ND	5.0	01/26/18 19:07	
Chloroform	ug/L	ND	5.0	01/26/18 19:07	
Chloromethane	ug/L	ND	5.0	01/26/18 19:07	CL
cis-1,2-Dichloroethene	ug/L	ND	5.0	01/26/18 19:07	
cis-1,3-Dichloropropene	ug/L	ND	5.0	01/26/18 19:07	
Dibromochloromethane	ug/L	ND	5.0	01/26/18 19:07	
Dibromomethane	ug/L	ND	5.0	01/26/18 19:07	
Ethylbenzene	ug/L	ND	5.0	01/26/18 19:07	
Iodomethane	ug/L	ND	5.0	01/26/18 19:07	
Methylene Chloride	ug/L	ND	5.0	01/26/18 19:07	
Styrene	ug/L	ND	5.0	01/26/18 19:07	
Tetrachloroethene	ug/L	ND	5.0	01/26/18 19:07	
Toluene	ug/L	ND	5.0	01/26/18 19:07	
trans-1,2-Dichloroethene	ug/L	ND	5.0	01/26/18 19:07	

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QUALITY CONTROL DATA

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

METHOD BLANK: 250917 Matrix: Water

Associated Lab Samples: 7041247001, 7041247002, 7041247003, 7041247004, 7041247005, 7041247006, 7041247007, 7041247008, 7041247009, 7041247010, 7041247011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	ND	5.0	01/26/18 19:07	
trans-1,4-Dichloro-2-butene	ug/L	ND	5.0	01/26/18 19:07	
Trichloroethene	ug/L	ND	5.0	01/26/18 19:07	
Trichlorofluoromethane	ug/L	ND	5.0	01/26/18 19:07	
Vinyl acetate	ug/L	ND	5.0	01/26/18 19:07	
Xylene (Total)	ug/L	ND	5.0	01/26/18 19:07	
1,2-Dichloroethane-d4 (S)	%	86	68-153	01/26/18 19:07	
4-Bromofluorobenzene (S)	%	95	79-124	01/26/18 19:07	
Toluene-d8 (S)	%	104	69-124	01/26/18 19:07	

LABORATORY CONTROL SAMPLE: 250918

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	56.4	113	74-113	
1,1,1-Trichloroethane	ug/L	50	47.5	95	65-118	
1,1,2,2-Tetrachloroethane	ug/L	50	48.7	97	74-121	
1,1,2-Trichloroethane	ug/L	50	45.1	90	80-117	
1,1-Dichloroethane	ug/L	50	50.2	100	83-151	
1,1-Dichloroethene	ug/L	50	50.3	101	45-146	
1,2,3-Trichloropropane	ug/L	50	53.5	107	71-123	
1,2-Dibromo-3-chloropropane	ug/L	50	46.2	92	74-119	
1,2-Dibromoethane (EDB)	ug/L	50	48.9	98	83-115	
1,2-Dichlorobenzene	ug/L	50	50.0	100	74-113	
1,2-Dichloroethane	ug/L	50	47.4	95	74-129	
1,2-Dichloropropane	ug/L	50	44.7	89	75-117	
1,4-Dichlorobenzene	ug/L	50	50.5	101	71-113	
2-Butanone (MEK)	ug/L	50	48.2	96	44-162	
2-Hexanone	ug/L	50	57.1	114	32-183	CH
4-Methyl-2-pentanone (MIBK)	ug/L	50	43.4	87	69-132	
Acetone	ug/L	50	50.8	102	23-188	CH
Acrylonitrile	ug/L	50	46.5	93	59-148	
Benzene	ug/L	50	43.3	87	73-119	
Bromochloromethane	ug/L	50	60.8	122	81-116	CH,L1
Bromodichloromethane	ug/L	50	45.2	90	78-117	
Bromoform	ug/L	50	55.9	112	65-122	
Bromomethane	ug/L	50	41.9	84	52-147	
Carbon disulfide	ug/L	50	45.3	91	41-144	
Carbon tetrachloride	ug/L	50	41.8	84	59-120	
Chlorobenzene	ug/L	50	56.0	112	75-113	
Chloroethane	ug/L	50	42.3	85	49-151	
Chloroform	ug/L	50	52.4	105	72-122	
Chloromethane	ug/L	50	35.8	72	46-144	CL
cis-1,2-Dichloroethene	ug/L	50	54.2	108	72-121	

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QUALITY CONTROL DATA

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

LABORATORY CONTROL SAMPLE: 250918

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,3-Dichloropropene	ug/L	50	48.3	97	78-116	
Dibromochloromethane	ug/L	50	58.2	116	70-120	
Dibromomethane	ug/L	50	45.8	92	75-125	
Ethylbenzene	ug/L	50	56.0	112	70-113	
Iodomethane	ug/L	50	49.5	99	61-144	
Methylene Chloride	ug/L	50	48.3	97	61-142	
Styrene	ug/L	50	57.2	114	72-118	
Tetrachloroethene	ug/L	50	52.6	105	60-128	
Toluene	ug/L	50	44.0	88	72-119	
trans-1,2-Dichloroethene	ug/L	50	52.2	104	56-142	
trans-1,3-Dichloropropene	ug/L	50	50.6	101	79-116	
trans-1,4-Dichloro-2-butene	ug/L	50	47.5	95	71-121	
Trichloroethene	ug/L	50	48.2	96	69-117	
Trichlorofluoromethane	ug/L	50	49.3	99	27-173	
Vinyl acetate	ug/L	50	51.1	102	20-158	
Xylene (Total)	ug/L	150	170	113	71-109	
1,2-Dichloroethane-d4 (S)	%			81	68-153	
4-Bromofluorobenzene (S)	%			97	79-124	
Toluene-d8 (S)	%			101	69-124	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 250924 250925

Parameter	Units	7041247008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	50	50	56.0	59.5	112	119	74-113	6	M1
1,1,1-Trichloroethane	ug/L	ND	50	50	47.6	50.8	95	102	65-118	7	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	52.7	53.8	105	108	74-121	2	
1,1,2-Trichloroethane	ug/L	ND	50	50	47.1	47.9	94	96	80-117	2	
1,1-Dichloroethane	ug/L	ND	50	50	49.9	52.5	100	105	83-151	5	
1,1-Dichloroethene	ug/L	ND	50	50	50.1	51.4	100	103	45-146	3	
1,2,3-Trichloropropane	ug/L	ND	50	50	57.3	60.6	115	121	71-123	6	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50	52.0	56.5	104	113	74-119	8	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	51.2	51.9	102	104	83-115	1	
1,2-Dichlorobenzene	ug/L	ND	50	50	49.0	52.4	98	105	74-113	7	
1,2-Dichloroethane	ug/L	ND	50	50	50.0	52.6	100	105	74-129	5	
1,2-Dichloropropane	ug/L	ND	50	50	45.0	46.2	90	92	75-117	3	
1,4-Dichlorobenzene	ug/L	ND	50	50	48.6	52.4	97	105	71-113	8	
2-Butanone (MEK)	ug/L	ND	50	50	44.0	44.0	88	88	44-162	0	
2-Hexanone	ug/L	ND	50	50	61.0	61.0	122	122	32-183	0	CH
4-Methyl-2-pentanone (MIBK)	ug/L	ND	50	50	49.5	48.9	99	98	69-132	1	
Acetone	ug/L	ND	50	50	39.5	39.6	79	79	23-188	0	CH
Acrylonitrile	ug/L	ND	50	50	48.0	48.2	96	96	59-148	1	
Benzene	ug/L	ND	50	50	43.0	45.4	86	91	73-119	5	
Bromochloromethane	ug/L	ND	50	50	61.5	64.8	123	130	81-116	5	CH,M0
Bromodichloromethane	ug/L	ND	50	50	47.2	49.0	94	98	78-117	4	

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QUALITY CONTROL DATA

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 250924 250925

Parameter	Units	7041247008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Bromoform	ug/L	ND	50	50	56.8	60.0	114	120	65-122	5	
Bromomethane	ug/L	ND	50	50	34.0	39.4	68	79	52-147	15	
Carbon disulfide	ug/L	ND	50	50	46.1	48.5	92	97	41-144	5	
Carbon tetrachloride	ug/L	ND	50	50	47.6	52.0	95	104	59-120	9	
Chlorobenzene	ug/L	ND	50	50	54.7	58.2	109	116	75-113	6	M1
Chloroethane	ug/L	ND	50	50	40.5	44.3	81	89	49-151	9	
Chloroform	ug/L	ND	50	50	52.6	55.5	105	111	72-122	5	
Chloromethane	ug/L	ND	50	50	34.4	35.0	69	70	46-144	2	CL
cis-1,2-Dichloroethene	ug/L	ND	50	50	53.5	56.1	107	112	72-121	5	
cis-1,3-Dichloropropene	ug/L	ND	50	50	47.1	49.7	94	99	78-116	5	
Dibromochloromethane	ug/L	ND	50	50	59.6	62.7	119	125	70-120	5	M1
Dibromomethane	ug/L	ND	50	50	48.4	49.4	97	99	75-125	2	
Ethylbenzene	ug/L	ND	50	50	53.4	57.3	107	115	70-113	7	M1
Iodomethane	ug/L	ND	50	50	44.0	46.3	88	93	61-144	5	
Methylene Chloride	ug/L	ND	50	50	48.0	50.4	96	101	61-142	5	
Styrene	ug/L	ND	50	50	55.4	59.5	111	119	72-118	7	M1
Tetrachloroethene	ug/L	ND	50	50	51.0	54.9	102	110	60-128	7	
Toluene	ug/L	ND	50	50	43.8	46.1	88	92	72-119	5	
trans-1,2-Dichloroethene	ug/L	ND	50	50	51.5	55.5	103	111	56-142	7	
trans-1,3-Dichloropropene	ug/L	ND	50	50	50.2	53.0	100	106	79-116	5	
trans-1,4-Dichloro-2-butene	ug/L	ND	50	50	46.5	49.3	93	99	71-121	6	
Trichloroethene	ug/L	ND	50	50	48.5	50.4	97	101	69-117	4	
Trichlorofluoromethane	ug/L	ND	50	50	47.1	52.3	94	105	27-173	10	
Vinyl acetate	ug/L	ND	50	50	50.5	52.5	101	105	20-158	4	
Xylene (Total)	ug/L	ND	150	150	165	177	110	118	71-109	7	MS
1,2-Dichloroethane-d4 (S)	%						85	86	68-153		
4-Bromofluorobenzene (S)	%						99	99	79-124		
Toluene-d8 (S)	%						101	100	69-124		

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QUALITY CONTROL DATA

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

QC Batch: 54803 Analysis Method: EPA 8081B
QC Batch Method: EPA 3510C Analysis Description: 8081 GCS Pesticides
Associated Lab Samples: 7041247001, 7041247002, 7041247003, 7041247005, 7041247007, 7041247008, 7041247009, 7041247010

METHOD BLANK: 252558 Matrix: Water
Associated Lab Samples: 7041247001, 7041247002, 7041247003, 7041247005, 7041247007, 7041247008, 7041247009, 7041247010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
4,4'-DDD	ug/L	<0.10	0.10	02/05/18 22:36	
4,4'-DDE	ug/L	<0.10	0.10	02/05/18 22:36	
4,4'-DDT	ug/L	<0.10	0.10	02/05/18 22:36	
Aldrin	ug/L	<0.050	0.050	02/05/18 22:36	
alpha-BHC	ug/L	<0.050	0.050	02/05/18 22:36	
alpha-Chlordane	ug/L	<0.050	0.050	02/05/18 22:36	
beta-BHC	ug/L	<0.050	0.050	02/05/18 22:36	
delta-BHC	ug/L	<0.050	0.050	02/05/18 22:36	
Dieldrin	ug/L	<0.10	0.10	02/05/18 22:36	
Endosulfan I	ug/L	<0.050	0.050	02/05/18 22:36	
Endosulfan II	ug/L	<0.10	0.10	02/05/18 22:36	
Endosulfan sulfate	ug/L	<0.10	0.10	02/05/18 22:36	
Endrin	ug/L	<0.10	0.10	02/05/18 22:36	
Endrin aldehyde	ug/L	<0.10	0.10	02/05/18 22:36	
Endrin ketone	ug/L	<0.10	0.10	02/05/18 22:36	
gamma-BHC (Lindane)	ug/L	<0.050	0.050	02/05/18 22:36	
gamma-Chlordane	ug/L	<0.050	0.050	02/05/18 22:36	
Heptachlor	ug/L	<0.050	0.050	02/05/18 22:36	
Heptachlor epoxide	ug/L	<0.050	0.050	02/05/18 22:36	
Methoxychlor	ug/L	<0.50	0.50	02/05/18 22:36	
Toxaphene	ug/L	<5.0	5.0	02/05/18 22:36	
Decachlorobiphenyl (S)	%	113	30-150	02/05/18 22:36	
Tetrachloro-m-xylene (S)	%	88	30-150	02/05/18 22:36	

LABORATORY CONTROL SAMPLE: 252559

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	ug/L	.4	0.44	110	59-136	
4,4'-DDE	ug/L	.4	0.40	100	59-119	
4,4'-DDT	ug/L	.4	0.45	113	57-134	
Aldrin	ug/L	.4	0.36	89	23-118	
alpha-BHC	ug/L	.4	0.41	102	62-116	
alpha-Chlordane	ug/L	.4	0.39	98	61-117	
beta-BHC	ug/L	.4	0.41	102	69-131	
delta-BHC	ug/L	.4	0.43	108	52-142	
Dieldrin	ug/L	.4	0.40	99	64-123	
Endosulfan I	ug/L	.4	0.37	93	58-129	
Endosulfan II	ug/L	.4	0.41	103	63-139	
Endosulfan sulfate	ug/L	.4	0.48	120	62-137	
Endrin	ug/L	.4	0.41	102	65-123	

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QUALITY CONTROL DATA

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

LABORATORY CONTROL SAMPLE: 252559

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Endrin aldehyde	ug/L	.4	0.46	116	62-144	
Endrin ketone	ug/L	.4	0.48	119	68-151	
gamma-BHC (Lindane)	ug/L	.4	0.41	101	67-119	
gamma-Chlordane	ug/L	.4	0.40	99	63-120	
Heptachlor	ug/L	.4	0.38	96	18-129	
Heptachlor epoxide	ug/L	.4	0.41	102	67-120	
Methoxychlor	ug/L	.4	0.59	147	57-151	
Decachlorobiphenyl (S)	%			120	30-150	
Tetrachloro-m-xylene (S)	%			79	30-150	

LABORATORY CONTROL SAMPLE: 252595

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toxaphene	ug/L	20	17.6	88	62-157	
Decachlorobiphenyl (S)	%			99	30-150	
Tetrachloro-m-xylene (S)	%			65	30-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 252560 252561

Parameter	Units	7041247008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
4,4'-DDD	ug/L	<0.10			<0.10	<0.10					
4,4'-DDE	ug/L	<0.10			<0.10	<0.10					
4,4'-DDT	ug/L	<0.10			<0.10	<0.10					
Aldrin	ug/L	<0.050			<0.050	<0.050					
alpha-BHC	ug/L	<0.050			<0.050	<0.050					
alpha-Chlordane	ug/L	<0.050			<0.050	<0.050					
beta-BHC	ug/L	<0.050			<0.050	<0.050					
delta-BHC	ug/L	<0.050			<0.050	<0.050					
Dieldrin	ug/L	<0.10			<0.10	<0.10					
Endosulfan I	ug/L	<0.050			<0.050	<0.050					
Endosulfan II	ug/L	<0.10			<0.10	<0.10					
Endosulfan sulfate	ug/L	<0.10			<0.10	<0.10					
Endrin	ug/L	<0.10			<0.10	<0.10					
Endrin aldehyde	ug/L	<0.10			<0.10	<0.10					
Endrin ketone	ug/L	<0.10			<0.10	<0.10					
gamma-BHC (Lindane)	ug/L	<0.050			<0.050	<0.050					
gamma-Chlordane	ug/L	<0.050			<0.050	<0.050					
Heptachlor	ug/L	<0.050			<0.050	<0.050					
Heptachlor epoxide	ug/L	<0.050			<0.050	<0.050					
Methoxychlor	ug/L	<0.50			<0.50	<0.50					
Toxaphene	ug/L	<5.0	20	20	22.7	27.5	114	137	41-126	19	M1
Decachlorobiphenyl (S)	%						89	106	30-150		
Tetrachloro-m-xylene (S)	%						74	64	30-150		

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QUALITY CONTROL DATA

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

QC Batch: 55638
QC Batch Method: EPA 3510C
Associated Lab Samples: 7041247011

Analysis Method: EPA 8081B
Analysis Description: 8081 GCS Pesticides

METHOD BLANK: 256248
Matrix: Water
Associated Lab Samples: 7041247011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
4,4'-DDD	ug/L	<0.10	0.10	02/07/18 18:00	
4,4'-DDE	ug/L	<0.10	0.10	02/07/18 18:00	
4,4'-DDT	ug/L	<0.10	0.10	02/07/18 18:00	
Aldrin	ug/L	<0.050	0.050	02/07/18 18:00	
alpha-BHC	ug/L	<0.050	0.050	02/07/18 18:00	
alpha-Chlordane	ug/L	<0.050	0.050	02/07/18 18:00	
beta-BHC	ug/L	<0.050	0.050	02/07/18 18:00	
delta-BHC	ug/L	<0.050	0.050	02/07/18 18:00	
Dieldrin	ug/L	<0.10	0.10	02/07/18 18:00	
Endosulfan I	ug/L	<0.050	0.050	02/07/18 18:00	
Endosulfan II	ug/L	<0.10	0.10	02/07/18 18:00	
Endosulfan sulfate	ug/L	<0.10	0.10	02/07/18 18:00	
Endrin	ug/L	<0.10	0.10	02/07/18 18:00	
Endrin ketone	ug/L	<0.10	0.10	02/07/18 18:00	
gamma-BHC (Lindane)	ug/L	<0.050	0.050	02/07/18 18:00	
gamma-Chlordane	ug/L	<0.050	0.050	02/07/18 18:00	
Heptachlor	ug/L	<0.050	0.050	02/07/18 18:00	
Heptachlor epoxide	ug/L	<0.050	0.050	02/07/18 18:00	
Methoxychlor	ug/L	<0.50	0.50	02/07/18 18:00	
Toxaphene	ug/L	<5.0	5.0	02/07/18 18:00	
Decachlorobiphenyl (S)	%	119	30-150	02/07/18 18:00	
Tetrachloro-m-xylene (S)	%	90	30-150	02/07/18 18:00	

LABORATORY CONTROL SAMPLE: 256249

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	ug/L	.4	0.56	140	59-136	L1
4,4'-DDE	ug/L	.4	0.51	127	59-119	L1
4,4'-DDT	ug/L	.4	0.56	140	57-134	L1
Aldrin	ug/L	.4	0.45	112	23-118	
alpha-BHC	ug/L	.4	0.50	125	62-116	L1
alpha-Chlordane	ug/L	.4	0.49	123	61-117	L1
beta-BHC	ug/L	.4	0.49	122	69-131	
delta-BHC	ug/L	.4	0.41	102	52-142	
Dieldrin	ug/L	.4	0.50	124	64-123	L1
Endosulfan I	ug/L	.4	0.42	106	58-129	
Endosulfan II	ug/L	.4	0.50	124	63-139	
Endosulfan sulfate	ug/L	.4	0.55	137	62-137	
Endrin	ug/L	.4	0.51	128	65-123	L1
Endrin ketone	ug/L	.4	0.56	140	68-151	

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QUALITY CONTROL DATA

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

LABORATORY CONTROL SAMPLE: 256249

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
gamma-BHC (Lindane)	ug/L	.4	0.50	124	67-119	L1
gamma-Chlordane	ug/L	.4	0.50	124	63-120	L1
Heptachlor	ug/L	.4	0.48	120	18-129	
Heptachlor epoxide	ug/L	.4	0.51	126	67-120	L1
Methoxychlor	ug/L	.4	0.72	179	57-151	L1
Decachlorobiphenyl (S)	%			143	30-150	
Tetrachloro-m-xylene (S)	%			97	30-150	

LABORATORY CONTROL SAMPLE: 256250

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toxaphene	ug/L	20	19.9	100	62-157	
Decachlorobiphenyl (S)	%			101	30-150	
Tetrachloro-m-xylene (S)	%			79	30-150	

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QUALITY CONTROL DATA

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

QC Batch: 54161 Analysis Method: EPA 8082A
QC Batch Method: EPA 3510C Analysis Description: 8082 GCS PCB
Associated Lab Samples: 7041247001, 7041247002, 7041247003, 7041247005

METHOD BLANK: 250123 Matrix: Water
Associated Lab Samples: 7041247001, 7041247002, 7041247003, 7041247005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	<1.0	1.0	01/26/18 18:19	
PCB-1221 (Aroclor 1221)	ug/L	<2.0	2.0	01/26/18 18:19	
PCB-1232 (Aroclor 1232)	ug/L	<1.0	1.0	01/26/18 18:19	
PCB-1242 (Aroclor 1242)	ug/L	<1.0	1.0	01/26/18 18:19	
PCB-1248 (Aroclor 1248)	ug/L	<1.0	1.0	01/26/18 18:19	
PCB-1254 (Aroclor 1254)	ug/L	<1.0	1.0	01/26/18 18:19	
PCB-1260 (Aroclor 1260)	ug/L	<1.0	1.0	01/26/18 18:19	
Decachlorobiphenyl (S)	%	47	30-150	01/26/18 18:19	
Tetrachloro-m-xylene (S)	%	36	30-150	01/26/18 18:19	

LABORATORY CONTROL SAMPLE: 250124

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	.5	0.59J	118	42-134	
PCB-1260 (Aroclor 1260)	ug/L	.5	0.57J	115	34-146	
Decachlorobiphenyl (S)	%			48	30-150	
Tetrachloro-m-xylene (S)	%			36	30-150	

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QUALITY CONTROL DATA

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

QC Batch: 54337 Analysis Method: EPA 8082A
QC Batch Method: EPA 3510C Analysis Description: 8082 GCS PCB
Associated Lab Samples: 7041247007, 7041247008, 7041247009, 7041247010, 7041247011

METHOD BLANK: 250913 Matrix: Water
Associated Lab Samples: 7041247007, 7041247008, 7041247009, 7041247010, 7041247011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	<1.0	1.0	01/31/18 02:08	
PCB-1221 (Aroclor 1221)	ug/L	<2.0	2.0	01/31/18 02:08	
PCB-1232 (Aroclor 1232)	ug/L	<1.0	1.0	01/31/18 02:08	
PCB-1242 (Aroclor 1242)	ug/L	<1.0	1.0	01/31/18 02:08	
PCB-1248 (Aroclor 1248)	ug/L	<1.0	1.0	01/31/18 02:08	
PCB-1254 (Aroclor 1254)	ug/L	<1.0	1.0	01/31/18 02:08	
PCB-1260 (Aroclor 1260)	ug/L	<1.0	1.0	01/31/18 02:08	
Decachlorobiphenyl (S)	%	90	30-150	01/31/18 02:08	
Tetrachloro-m-xylene (S)	%	74	30-150	01/31/18 02:08	

LABORATORY CONTROL SAMPLE: 250914

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	5	3.7	75	42-134	
PCB-1260 (Aroclor 1260)	ug/L	5	4.5	91	34-146	
Decachlorobiphenyl (S)	%			70	30-150	
Tetrachloro-m-xylene (S)	%			70	30-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 250915 250916

Parameter	Units	7041247008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
PCB-1016 (Aroclor 1016)	ug/L	<1.0	5	5	2.4	3.1	49	62	53-116	23	M1
PCB-1221 (Aroclor 1221)	ug/L	<2.0			<2.0	<2.0					
PCB-1232 (Aroclor 1232)	ug/L	<1.0			<1.0	<1.0					
PCB-1242 (Aroclor 1242)	ug/L	<1.0			<1.0	<1.0					
PCB-1248 (Aroclor 1248)	ug/L	<1.0			<1.0	<1.0					
PCB-1254 (Aroclor 1254)	ug/L	<1.0			<1.0	<1.0					
PCB-1260 (Aroclor 1260)	ug/L	<1.0	5	5	3.8	5.0	75	99	46-126	27	
Decachlorobiphenyl (S)	%						74	94	30-150		
Tetrachloro-m-xylene (S)	%						54	62	30-150		

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QUALITY CONTROL DATA

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

QC Batch: 54067 Analysis Method: EPA 8270D
QC Batch Method: EPA 3510C Analysis Description: 8270 Water MSSV
Associated Lab Samples: 7041247001, 7041247002, 7041247003, 7041247005

METHOD BLANK: 249623 Matrix: Water
Associated Lab Samples: 7041247001, 7041247002, 7041247003, 7041247005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	1.0	01/26/18 11:14	
1,2-Dichlorobenzene	ug/L	ND	1.0	01/26/18 11:14	
1,3-Dichlorobenzene	ug/L	ND	1.0	01/26/18 11:14	
1,4-Dichlorobenzene	ug/L	ND	1.0	01/26/18 11:14	
2,2'-Oxybis(1-chloropropane)	ug/L	ND	1.0	01/26/18 11:14	
2,4,5-Trichlorophenol	ug/L	ND	1.0	01/26/18 11:14	
2,4,6-Trichlorophenol	ug/L	ND	1.0	01/26/18 11:14	
2,4-Dichlorophenol	ug/L	ND	1.0	01/26/18 11:14	
2,4-Dimethylphenol	ug/L	ND	1.0	01/26/18 11:14	
2,4-Dinitrophenol	ug/L	ND	10.0	01/26/18 11:14	
2,4-Dinitrotoluene	ug/L	ND	1.0	01/26/18 11:14	
2,6-Dinitrotoluene	ug/L	ND	1.0	01/26/18 11:14	
2-Chloronaphthalene	ug/L	ND	1.0	01/26/18 11:14	
2-Chlorophenol	ug/L	ND	1.0	01/26/18 11:14	
2-Methylnaphthalene	ug/L	ND	1.0	01/26/18 11:14	
2-Methylphenol(o-Cresol)	ug/L	ND	1.0	01/26/18 11:14	
2-Nitroaniline	ug/L	ND	1.0	01/26/18 11:14	
2-Nitrophenol	ug/L	ND	1.0	01/26/18 11:14	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	1.0	01/26/18 11:14	
3,3'-Dichlorobenzidine	ug/L	ND	10.0	01/26/18 11:14	
3-Nitroaniline	ug/L	ND	1.0	01/26/18 11:14	
4,6-Dinitro-2-methylphenol	ug/L	ND	10.0	01/26/18 11:14	
4-Bromophenylphenyl ether	ug/L	ND	1.0	01/26/18 11:14	
4-Chloro-3-methylphenol	ug/L	ND	1.0	01/26/18 11:14	
4-Chloroaniline	ug/L	ND	1.0	01/26/18 11:14	
4-Chlorophenylphenyl ether	ug/L	ND	1.0	01/26/18 11:14	
4-Nitroaniline	ug/L	ND	1.0	01/26/18 11:14	
4-Nitrophenol	ug/L	ND	10.0	01/26/18 11:14	
Acenaphthene	ug/L	ND	1.0	01/26/18 11:14	
Acenaphthylene	ug/L	ND	1.0	01/26/18 11:14	
Anthracene	ug/L	ND	1.0	01/26/18 11:14	
Benzo(a)anthracene	ug/L	ND	1.0	01/26/18 11:14	
Benzo(a)pyrene	ug/L	ND	1.0	01/26/18 11:14	
Benzo(b)fluoranthene	ug/L	ND	1.0	01/26/18 11:14	
Benzo(g,h,i)perylene	ug/L	ND	1.0	01/26/18 11:14	
Benzo(k)fluoranthene	ug/L	ND	1.0	01/26/18 11:14	
bis(2-Chloroethoxy)methane	ug/L	ND	1.0	01/26/18 11:14	
bis(2-Chloroethyl) ether	ug/L	ND	1.0	01/26/18 11:14	
bis(2-Ethylhexyl)phthalate	ug/L	ND	1.0	01/26/18 11:14	
Butylbenzylphthalate	ug/L	ND	1.0	01/26/18 11:14	
Carbazole	ug/L	<5.0	5.0	01/26/18 11:14	

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QUALITY CONTROL DATA

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

METHOD BLANK: 249623 Matrix: Water
Associated Lab Samples: 7041247001, 7041247002, 7041247003, 7041247005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chrysene	ug/L	ND	1.0	01/26/18 11:14	
Di-n-butylphthalate	ug/L	ND	1.0	01/26/18 11:14	
Di-n-octylphthalate	ug/L	ND	1.0	01/26/18 11:14	
Dibenz(a,h)anthracene	ug/L	ND	1.0	01/26/18 11:14	
Dibenzofuran	ug/L	ND	1.0	01/26/18 11:14	
Diethylphthalate	ug/L	ND	1.0	01/26/18 11:14	
Dimethylphthalate	ug/L	ND	1.0	01/26/18 11:14	
Fluoranthene	ug/L	ND	1.0	01/26/18 11:14	
Fluorene	ug/L	ND	1.0	01/26/18 11:14	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	01/26/18 11:14	
Hexachlorobenzene	ug/L	ND	1.0	01/26/18 11:14	
Hexachlorocyclopentadiene	ug/L	ND	10.0	01/26/18 11:14	CL,IC
Hexachloroethane	ug/L	ND	1.0	01/26/18 11:14	
Indeno(1,2,3-cd)pyrene	ug/L	ND	1.0	01/26/18 11:14	
Isophorone	ug/L	ND	1.0	01/26/18 11:14	
N-Nitroso-di-n-propylamine	ug/L	ND	1.0	01/26/18 11:14	
N-Nitrosodiphenylamine	ug/L	ND	1.0	01/26/18 11:14	
Naphthalene	ug/L	ND	1.0	01/26/18 11:14	
Nitrobenzene	ug/L	ND	1.0	01/26/18 11:14	
Pentachlorophenol	ug/L	ND	10.0	01/26/18 11:14	
Phenanthrene	ug/L	ND	1.0	01/26/18 11:14	
Phenol	ug/L	ND	1.0	01/26/18 11:14	
Pyrene	ug/L	ND	1.0	01/26/18 11:14	
1,2-Dichlorobenzene-d4 (S)	%	70	16-110	01/26/18 11:14	
2,4,6-Tribromophenol (S)	%	84	10-123	01/26/18 11:14	
2-Chlorophenol-d4 (S)	%	82	33-110	01/26/18 11:14	
2-Fluorobiphenyl (S)	%	77	43-116	01/26/18 11:14	
2-Fluorophenol (S)	%	53	21-110	01/26/18 11:14	
Nitrobenzene-d5 (S)	%	82	35-114	01/26/18 11:14	
p-Terphenyl-d14 (S)	%	92	33-141	01/26/18 11:14	
Phenol-d5 (S)	%	38	10-110	01/26/18 11:14	

LABORATORY CONTROL SAMPLE: 249624

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	44.1	88	25-129	
1,2-Dichlorobenzene	ug/L	50	41.7	83	28-116	
1,3-Dichlorobenzene	ug/L	50	39.8	80	18-122	
1,4-Dichlorobenzene	ug/L	50	39.7	79	25-123	
2,2'-Oxybis(1-chloropropane)	ug/L	50	40.9	82	44-100	
2,4,5-Trichlorophenol	ug/L	50	48.8	98	55-125	
2,4,6-Trichlorophenol	ug/L	50	46.1	92	55-114	
2,4-Dichlorophenol	ug/L	50	47.1	94	44-127	
2,4-Dimethylphenol	ug/L	50	24.1	48	39-135	

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QUALITY CONTROL DATA

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

LABORATORY CONTROL SAMPLE: 249624

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrophenol	ug/L	50	62.7	125	11-101	CH,L1
2,4-Dinitrotoluene	ug/L	50	52.2	104	55-122	
2,6-Dinitrotoluene	ug/L	50	49.3	99	56-121	
2-Chloronaphthalene	ug/L	50	49.3	99	41-122	
2-Chlorophenol	ug/L	50	41.6	83	43-106	
2-Methylnaphthalene	ug/L	50	43.8	88	31-123	
2-Methylphenol(o-Cresol)	ug/L	50	35.8	72	41-131	
2-Nitroaniline	ug/L	50	42.1	84	48-124	
2-Nitrophenol	ug/L	50	48.5	97	41-128	
3&4-Methylphenol(m&p Cresol)	ug/L	50	30.6	61	15-141	
3,3'-Dichlorobenzidine	ug/L	50	49.0	98	20-132	
3-Nitroaniline	ug/L	50	48.6	97	46-112	
4,6-Dinitro-2-methylphenol	ug/L	50	52.8	106	28-150	CH
4-Bromophenylphenyl ether	ug/L	50	45.9	92	53-121	
4-Chloro-3-methylphenol	ug/L	50	47.4	95	48-124	
4-Chloroaniline	ug/L	50	43.6	87	25-133	
4-Chlorophenylphenyl ether	ug/L	50	47.0	94	53-116	
4-Nitroaniline	ug/L	50	44.7	89	51-113	
4-Nitrophenol	ug/L	50	14.9	30	10-102	
Acenaphthene	ug/L	50	45.4	91	50-116	
Acenaphthylene	ug/L	50	45.3	91	50-109	
Anthracene	ug/L	50	47.0	94	54-117	
Benzo(a)anthracene	ug/L	50	48.4	97	31-128	
Benzo(a)pyrene	ug/L	50	49.1	98	30-146	
Benzo(b)fluoranthene	ug/L	50	52.0	104	43-147	
Benzo(g,h,i)perylene	ug/L	50	64.3	129	25-153	CH
Benzo(k)fluoranthene	ug/L	50	47.9	96	28-148	
bis(2-Chloroethoxy)methane	ug/L	50	43.7	87	47-102	
bis(2-Chloroethyl) ether	ug/L	50	37.9	76	39-111	
bis(2-Ethylhexyl)phthalate	ug/L	50	48.0	96	37-138	
Butylbenzylphthalate	ug/L	50	47.0	94	38-135	
Carbazole	ug/L	50	48.4	97	69-127	
Chrysene	ug/L	50	48.8	98	42-140	
Di-n-butylphthalate	ug/L	50	47.8	96	50-128	
Di-n-octylphthalate	ug/L	50	47.4	95	32-148	
Dibenz(a,h)anthracene	ug/L	50	58.8	118	22-147	CH
Dibenzofuran	ug/L	50	45.8	92	53-117	
Diethylphthalate	ug/L	50	47.4	95	54-124	
Dimethylphthalate	ug/L	50	46.6	93	56-121	
Fluoranthene	ug/L	50	48.0	96	50-123	
Fluorene	ug/L	50	47.4	95	51-118	
Hexachloro-1,3-butadiene	ug/L	50	41.5	83	18-90	
Hexachlorobenzene	ug/L	50	46.4	93	52-128	
Hexachlorocyclopentadiene	ug/L	50	89.0	178	13-119	CL,IC,L1
Hexachloroethane	ug/L	50	41.2	82	41-119	
Indeno(1,2,3-cd)pyrene	ug/L	50	60.6	121	26-156	CH
Isophorone	ug/L	50	44.6	89	46-118	

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QUALITY CONTROL DATA

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

LABORATORY CONTROL SAMPLE: 249624

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
N-Nitroso-di-n-propylamine	ug/L	50	46.7	93	40-124	
N-Nitrosodiphenylamine	ug/L	50	46.5	93	41-95	
Naphthalene	ug/L	50	43.5	87	39-107	
Nitrobenzene	ug/L	50	44.6	89	41-122	
Pentachlorophenol	ug/L	50	47.6	95	12-124	
Phenanthrene	ug/L	50	46.7	93	52-126	
Phenol	ug/L	50	22.7	45	10-99	
Pyrene	ug/L	50	47.4	95	41-137	
1,2-Dichlorobenzene-d4 (S)	%			72	16-110	
2,4,6-Tribromophenol (S)	%			89	10-123	
2-Chlorophenol-d4 (S)	%			80	33-110	
2-Fluorobiphenyl (S)	%			81	43-116	
2-Fluorophenol (S)	%			49	21-110	
Nitrobenzene-d5 (S)	%			83	35-114	
p-Terphenyl-d14 (S)	%			83	33-141	
Phenol-d5 (S)	%			35	10-110	

MATRIX SPIKE SAMPLE: 249991

Parameter	Units	7041247001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	50	36.4	73	25-129	
1,2-Dichlorobenzene	ug/L	ND	50	34.8	70	28-116	
1,3-Dichlorobenzene	ug/L	ND	50	33.3	67	18-122	
1,4-Dichlorobenzene	ug/L	ND	50	34.3	69	25-123	
2,2'-Oxybis(1-chloropropane)	ug/L	ND	50	34.3	69	44-100	
2,4,5-Trichlorophenol	ug/L	ND	50	48.7	97	55-125	
2,4,6-Trichlorophenol	ug/L	ND	50	43.0	86	55-114	
2,4-Dichlorophenol	ug/L	ND	50	42.2	84	44-127	
2,4-Dimethylphenol	ug/L	ND	50	26.6	53	39-135	
2,4-Dinitrophenol	ug/L	ND	50	61.0	122	11-101	CH,M0
2,4-Dinitrotoluene	ug/L	ND	50	49.4	99	55-122	
2,6-Dinitrotoluene	ug/L	ND	50	45.7	91	56-121	
2-Chloronaphthalene	ug/L	ND	50	39.9	80	41-122	
2-Chlorophenol	ug/L	ND	50	35.7	71	43-106	
2-Methylnaphthalene	ug/L	ND	50	38.2	76	31-123	
2-Methylphenol(o-Cresol)	ug/L	ND	50	37.8	76	41-131	
2-Nitroaniline	ug/L	ND	50	38.5	77	48-124	
2-Nitrophenol	ug/L	ND	50	43.1	86	41-128	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	50	30.7	61	15-141	
3,3'-Dichlorobenzidine	ug/L	ND	50	5.9J	12	20-132	M1
3-Nitroaniline	ug/L	ND	50	25.6	51	46-112	
4,6-Dinitro-2-methylphenol	ug/L	ND	50	48.1	96	28-150	CH
4-Bromophenylphenyl ether	ug/L	ND	50	40.3	81	53-121	
4-Chloro-3-methylphenol	ug/L	ND	50	45.9	92	48-124	
4-Chloroaniline	ug/L	ND	50	27.9	56	25-133	

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QUALITY CONTROL DATA

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

MATRIX SPIKE SAMPLE: 249991

Parameter	Units	7041247001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
4-Chlorophenylphenyl ether	ug/L	ND	50	42.0	84	53-116	
4-Nitroaniline	ug/L	ND	50	21.4	43	51-113	M1
4-Nitrophenol	ug/L	ND	50	24.3	49	10-102	
Acenaphthene	ug/L	ND	50	40.9	82	50-116	
Acenaphthylene	ug/L	ND	50	40.5	81	50-109	
Anthracene	ug/L	ND	50	42.3	85	54-117	
Benzo(a)anthracene	ug/L	ND	50	44.8	90	31-128	
Benzo(a)pyrene	ug/L	ND	50	45.6	91	30-146	
Benzo(b)fluoranthene	ug/L	ND	50	43.9	88	43-147	
Benzo(g,h,i)perylene	ug/L	ND	50	59.0	118	25-153	CH
Benzo(k)fluoranthene	ug/L	ND	50	43.3	87	28-148	
bis(2-Chloroethoxy)methane	ug/L	ND	50	38.3	77	47-102	
bis(2-Chloroethyl) ether	ug/L	ND	50	33.2	66	39-111	
bis(2-Ethylhexyl)phthalate	ug/L	ND	50	45.3	91	37-138	
Butylbenzylphthalate	ug/L	ND	50	43.2	86	38-135	
Carbazole	ug/L	<5.0	50	45.2	90	69-127	
Chrysene	ug/L	ND	50	47.0	94	42-140	
Di-n-butylphthalate	ug/L	ND	50	43.1	86	50-128	
Di-n-octylphthalate	ug/L	ND	50	44.2	88	32-148	
Dibenz(a,h)anthracene	ug/L	ND	50	54.9	110	22-147	CH
Dibenzofuran	ug/L	ND	50	41.4	83	53-117	
Diethylphthalate	ug/L	ND	50	44.1	88	54-124	
Dimethylphthalate	ug/L	ND	50	43.6	87	56-121	
Fluoranthene	ug/L	ND	50	43.6	87	50-123	
Fluorene	ug/L	ND	50	43.2	86	51-118	
Hexachloro-1,3-butadiene	ug/L	ND	50	33.1	66	18-90	
Hexachlorobenzene	ug/L	ND	50	42.5	85	52-128	
Hexachlorocyclopentadiene	ug/L	ND	50	27.5	55	13-119	CL,IC,IH
Hexachloroethane	ug/L	ND	50	27.8	56	41-119	
Indeno(1,2,3-cd)pyrene	ug/L	ND	50	57.6	115	26-156	CH
Isophorone	ug/L	ND	50	38.8	78	46-118	
N-Nitroso-di-n-propylamine	ug/L	ND	50	40.5	81	40-124	
N-Nitrosodiphenylamine	ug/L	ND	50	43.0	86	41-95	
Naphthalene	ug/L	ND	50	37.3	75	39-107	
Nitrobenzene	ug/L	ND	50	44.8	90	41-122	
Pentachlorophenol	ug/L	ND	50	48.8	98	12-124	
Phenanthrene	ug/L	ND	50	42.2	84	52-126	
Phenol	ug/L	ND	50	21.1	42	10-99	
Pyrene	ug/L	ND	50	44.1	88	41-137	
1,2-Dichlorobenzene-d4 (S)	%				63	16-110	
2,4,6-Tribromophenol (S)	%				84	10-123	
2-Chlorophenol-d4 (S)	%				70	33-110	
2-Fluorobiphenyl (S)	%				70	43-116	
2-Fluorophenol (S)	%				45	21-110	
Nitrobenzene-d5 (S)	%				70	35-114	
p-Terphenyl-d14 (S)	%				66	33-141	
Phenol-d5 (S)	%				35	10-110	

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(631)694-3040

QUALITY CONTROL DATA

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

SAMPLE DUPLICATE: 249992

Parameter	Units	7041247002 Result	Dup Result	RPD	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	ND		
1,2-Dichlorobenzene	ug/L	ND	ND		
1,3-Dichlorobenzene	ug/L	ND	ND		
1,4-Dichlorobenzene	ug/L	ND	ND		
2,2'-Oxybis(1-chloropropane)	ug/L	ND	ND		
2,4,5-Trichlorophenol	ug/L	ND	ND		
2,4,6-Trichlorophenol	ug/L	ND	ND		
2,4-Dichlorophenol	ug/L	ND	ND		
2,4-Dimethylphenol	ug/L	ND	ND		
2,4-Dinitrophenol	ug/L	ND	ND		
2,4-Dinitrotoluene	ug/L	ND	ND		
2,6-Dinitrotoluene	ug/L	ND	ND		
2-Chloronaphthalene	ug/L	ND	ND		
2-Chlorophenol	ug/L	ND	ND		
2-Methylnaphthalene	ug/L	ND	ND		
2-Methylphenol(o-Cresol)	ug/L	ND	ND		
2-Nitroaniline	ug/L	ND	ND		
2-Nitrophenol	ug/L	ND	ND		
3&4-Methylphenol(m&p Cresol)	ug/L	ND	ND		
3,3'-Dichlorobenzidine	ug/L	ND	ND		
3-Nitroaniline	ug/L	ND	ND		
4,6-Dinitro-2-methylphenol	ug/L	ND	ND		
4-Bromophenylphenyl ether	ug/L	ND	ND		
4-Chloro-3-methylphenol	ug/L	ND	ND		
4-Chloroaniline	ug/L	ND	ND		
4-Chlorophenylphenyl ether	ug/L	ND	ND		
4-Nitroaniline	ug/L	ND	ND		
4-Nitrophenol	ug/L	ND	ND		
Acenaphthene	ug/L	ND	ND		
Acenaphthylene	ug/L	ND	ND		
Anthracene	ug/L	ND	ND		
Benzo(a)anthracene	ug/L	ND	ND		
Benzo(a)pyrene	ug/L	ND	ND		
Benzo(b)fluoranthene	ug/L	ND	ND		
Benzo(g,h,i)perylene	ug/L	ND	ND		
Benzo(k)fluoranthene	ug/L	ND	ND		
bis(2-Chloroethoxy)methane	ug/L	ND	ND		
bis(2-Chloroethyl) ether	ug/L	ND	ND		
bis(2-Ethylhexyl)phthalate	ug/L	ND	ND		
Butylbenzylphthalate	ug/L	ND	ND		
Carbazole	ug/L	<5.0	<5.0		
Chrysene	ug/L	ND	ND		
Di-n-butylphthalate	ug/L	ND	ND		
Di-n-octylphthalate	ug/L	ND	ND		
Dibenz(a,h)anthracene	ug/L	ND	ND		
Dibenzofuran	ug/L	ND	ND		
Diethylphthalate	ug/L	ND	ND		

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QUALITY CONTROL DATA

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

SAMPLE DUPLICATE: 249992

Parameter	Units	7041247002 Result	Dup Result	RPD	Qualifiers
Dimethylphthalate	ug/L	ND	ND		
Fluoranthene	ug/L	ND	ND		
Fluorene	ug/L	ND	ND		
Hexachloro-1,3-butadiene	ug/L	ND	ND		
Hexachlorobenzene	ug/L	ND	ND		
Hexachlorocyclopentadiene	ug/L	ND	ND		CL,IC
Hexachloroethane	ug/L	ND	ND		
Indeno(1,2,3-cd)pyrene	ug/L	ND	ND		
Isophorone	ug/L	ND	ND		
N-Nitroso-di-n-propylamine	ug/L	ND	ND		
N-Nitrosodiphenylamine	ug/L	ND	ND		
Naphthalene	ug/L	ND	ND		
Nitrobenzene	ug/L	ND	ND		
Pentachlorophenol	ug/L	ND	ND		
Phenanthrene	ug/L	ND	ND		
Phenol	ug/L	ND	ND		
Pyrene	ug/L	ND	ND		
1,2-Dichlorobenzene-d4 (S)	%	52	53	1	
2,4,6-Tribromophenol (S)	%	77	78	1	
2-Chlorophenol-d4 (S)	%	57	57	0	
2-Fluorobiphenyl (S)	%	59	61	3	
2-Fluorophenol (S)	%	38	33	15	
Nitrobenzene-d5 (S)	%	56	57	3	
p-Terphenyl-d14 (S)	%	79	79	0	
Phenol-d5 (S)	%	28	23	20	

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QUALITY CONTROL DATA

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

QC Batch: 54308 Analysis Method: EPA 8270D
QC Batch Method: EPA 3510C Analysis Description: 8270 Water MSSV
Associated Lab Samples: 7041247007, 7041247008, 7041247009, 7041247010, 7041247011

METHOD BLANK: 250782 Matrix: Water
Associated Lab Samples: 7041247007, 7041247008, 7041247009, 7041247010, 7041247011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	1.0	01/29/18 21:22	
1,2-Dichlorobenzene	ug/L	ND	1.0	01/29/18 21:22	
1,3-Dichlorobenzene	ug/L	ND	1.0	01/29/18 21:22	
1,4-Dichlorobenzene	ug/L	ND	1.0	01/29/18 21:22	
2,2'-Oxybis(1-chloropropane)	ug/L	ND	1.0	01/29/18 21:22	
2,4,5-Trichlorophenol	ug/L	ND	1.0	01/29/18 21:22	
2,4,6-Trichlorophenol	ug/L	ND	1.0	01/29/18 21:22	
2,4-Dichlorophenol	ug/L	ND	1.0	01/29/18 21:22	
2,4-Dimethylphenol	ug/L	ND	1.0	01/29/18 21:22	
2,4-Dinitrophenol	ug/L	ND	10.0	01/29/18 21:22	
2,4-Dinitrotoluene	ug/L	ND	1.0	01/29/18 21:22	
2,6-Dinitrotoluene	ug/L	ND	1.0	01/29/18 21:22	
2-Chloronaphthalene	ug/L	ND	1.0	01/29/18 21:22	
2-Chlorophenol	ug/L	ND	1.0	01/29/18 21:22	
2-Methylnaphthalene	ug/L	ND	1.0	01/29/18 21:22	
2-Methylphenol(o-Cresol)	ug/L	ND	1.0	01/29/18 21:22	
2-Nitroaniline	ug/L	ND	1.0	01/29/18 21:22	
2-Nitrophenol	ug/L	ND	1.0	01/29/18 21:22	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	1.0	01/29/18 21:22	
3,3'-Dichlorobenzidine	ug/L	ND	10.0	01/29/18 21:22	
3-Nitroaniline	ug/L	ND	1.0	01/29/18 21:22	
4,6-Dinitro-2-methylphenol	ug/L	ND	10.0	01/29/18 21:22	
4-Bromophenylphenyl ether	ug/L	ND	1.0	01/29/18 21:22	
4-Chloro-3-methylphenol	ug/L	ND	1.0	01/29/18 21:22	
4-Chloroaniline	ug/L	ND	1.0	01/29/18 21:22	CL
4-Chlorophenylphenyl ether	ug/L	ND	1.0	01/29/18 21:22	
4-Nitroaniline	ug/L	ND	1.0	01/29/18 21:22	
4-Nitrophenol	ug/L	ND	10.0	01/29/18 21:22	IC
Acenaphthene	ug/L	ND	1.0	01/29/18 21:22	
Acenaphthylene	ug/L	ND	1.0	01/29/18 21:22	
Anthracene	ug/L	ND	1.0	01/29/18 21:22	
Benzo(a)anthracene	ug/L	ND	1.0	01/29/18 21:22	
Benzo(a)pyrene	ug/L	ND	1.0	01/29/18 21:22	
Benzo(b)fluoranthene	ug/L	ND	1.0	01/29/18 21:22	
Benzo(g,h,i)perylene	ug/L	ND	1.0	01/29/18 21:22	
Benzo(k)fluoranthene	ug/L	ND	1.0	01/29/18 21:22	
bis(2-Chloroethoxy)methane	ug/L	ND	1.0	01/29/18 21:22	
bis(2-Chloroethyl) ether	ug/L	ND	1.0	01/29/18 21:22	
bis(2-Ethylhexyl)phthalate	ug/L	ND	1.0	01/29/18 21:22	
Butylbenzylphthalate	ug/L	ND	1.0	01/29/18 21:22	
Carbazole	ug/L	<5.0	5.0	01/29/18 21:22	

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QUALITY CONTROL DATA

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

METHOD BLANK: 250782 Matrix: Water
Associated Lab Samples: 7041247007, 7041247008, 7041247009, 7041247010, 7041247011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chrysene	ug/L	ND	1.0	01/29/18 21:22	
Di-n-butylphthalate	ug/L	ND	1.0	01/29/18 21:22	
Di-n-octylphthalate	ug/L	ND	1.0	01/29/18 21:22	
Dibenz(a,h)anthracene	ug/L	ND	1.0	01/29/18 21:22	
Dibenzofuran	ug/L	ND	1.0	01/29/18 21:22	
Diethylphthalate	ug/L	ND	1.0	01/29/18 21:22	
Dimethylphthalate	ug/L	ND	1.0	01/29/18 21:22	
Fluoranthene	ug/L	ND	1.0	01/29/18 21:22	
Fluorene	ug/L	ND	1.0	01/29/18 21:22	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	01/29/18 21:22	
Hexachlorobenzene	ug/L	ND	1.0	01/29/18 21:22	
Hexachlorocyclopentadiene	ug/L	ND	10.0	01/29/18 21:22	IC,IH
Hexachloroethane	ug/L	ND	1.0	01/29/18 21:22	
Indeno(1,2,3-cd)pyrene	ug/L	ND	1.0	01/29/18 21:22	
Isophorone	ug/L	ND	1.0	01/29/18 21:22	
N-Nitroso-di-n-propylamine	ug/L	ND	1.0	01/29/18 21:22	
N-Nitrosodiphenylamine	ug/L	ND	1.0	01/29/18 21:22	
Naphthalene	ug/L	ND	1.0	01/29/18 21:22	
Nitrobenzene	ug/L	ND	1.0	01/29/18 21:22	
Pentachlorophenol	ug/L	ND	10.0	01/29/18 21:22	
Phenanthrene	ug/L	ND	1.0	01/29/18 21:22	
Phenol	ug/L	ND	1.0	01/29/18 21:22	
Pyrene	ug/L	ND	1.0	01/29/18 21:22	
1,2-Dichlorobenzene-d4 (S)	%	77	16-110	01/29/18 21:22	
2,4,6-Tribromophenol (S)	%	107	10-123	01/29/18 21:22	
2-Chlorophenol-d4 (S)	%	93	33-110	01/29/18 21:22	
2-Fluorobiphenyl (S)	%	91	43-116	01/29/18 21:22	
2-Fluorophenol (S)	%	58	21-110	01/29/18 21:22	
Nitrobenzene-d5 (S)	%	94	35-114	01/29/18 21:22	
p-Terphenyl-d14 (S)	%	115	33-141	01/29/18 21:22	
Phenol-d5 (S)	%	37	10-110	01/29/18 21:22	

LABORATORY CONTROL SAMPLE: 250783

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	45.9	92	25-129	
1,2-Dichlorobenzene	ug/L	50	42.1	84	28-116	
1,3-Dichlorobenzene	ug/L	50	41.5	83	18-122	
1,4-Dichlorobenzene	ug/L	50	41.2	82	25-123	
2,2'-Oxybis(1-chloropropane)	ug/L	50	41.4	83	44-100	
2,4,5-Trichlorophenol	ug/L	50	50.9	102	55-125	
2,4,6-Trichlorophenol	ug/L	50	48.6	97	55-114	
2,4-Dichlorophenol	ug/L	50	43.1	86	44-127	
2,4-Dimethylphenol	ug/L	50	26.1	52	39-135	

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QUALITY CONTROL DATA

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

LABORATORY CONTROL SAMPLE: 250783

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrophenol	ug/L	50	53.1	106	11-101	L1
2,4-Dinitrotoluene	ug/L	50	51.7	103	55-122	
2,6-Dinitrotoluene	ug/L	50	48.0	96	56-121	
2-Chloronaphthalene	ug/L	50	52.3	105	41-122	
2-Chlorophenol	ug/L	50	46.1	92	43-106	
2-Methylnaphthalene	ug/L	50	43.0	86	31-123	
2-Methylphenol(o-Cresol)	ug/L	50	39.6	79	41-131	
2-Nitroaniline	ug/L	50	41.8	84	48-124	
2-Nitrophenol	ug/L	50	50.8	102	41-128	
3&4-Methylphenol(m&p Cresol)	ug/L	50	33.7	67	15-141	
3,3'-Dichlorobenzidine	ug/L	50	48.6	97	20-132	
3-Nitroaniline	ug/L	50	50.4	101	46-112	
4,6-Dinitro-2-methylphenol	ug/L	50	51.3	103	28-150	
4-Bromophenylphenyl ether	ug/L	50	50.9	102	53-121	
4-Chloro-3-methylphenol	ug/L	50	56.4	113	48-124	
4-Chloroaniline	ug/L	50	46.3	93	25-133	CL
4-Chlorophenylphenyl ether	ug/L	50	50.7	101	53-116	
4-Nitroaniline	ug/L	50	47.2	94	51-113	
4-Nitrophenol	ug/L	50	22.1	44	10-102	IC
Acenaphthene	ug/L	50	48.6	97	50-116	
Acenaphthylene	ug/L	50	50.0	100	50-109	
Anthracene	ug/L	50	50.5	101	54-117	
Benzo(a)anthracene	ug/L	50	53.8	108	31-128	
Benzo(a)pyrene	ug/L	50	53.9	108	30-146	
Benzo(b)fluoranthene	ug/L	50	57.7	115	43-147	
Benzo(g,h,i)perylene	ug/L	50	56.3	113	25-153	
Benzo(k)fluoranthene	ug/L	50	55.0	110	28-148	
bis(2-Chloroethoxy)methane	ug/L	50	52.1	104	47-102	L1
bis(2-Chloroethyl) ether	ug/L	50	42.5	85	39-111	
bis(2-Ethylhexyl)phthalate	ug/L	50	52.3	105	37-138	
Butylbenzylphthalate	ug/L	50	50.8	102	38-135	
Carbazole	ug/L	50	48.4	97	69-127	
Chrysene	ug/L	50	51.1	102	42-140	
Di-n-butylphthalate	ug/L	50	52.3	105	50-128	
Di-n-octylphthalate	ug/L	50	53.8	108	32-148	
Dibenz(a,h)anthracene	ug/L	50	54.3	109	22-147	
Dibenzofuran	ug/L	50	48.2	96	53-117	
Diethylphthalate	ug/L	50	52.0	104	54-124	
Dimethylphthalate	ug/L	50	50.9	102	56-121	
Fluoranthene	ug/L	50	51.8	104	50-123	
Fluorene	ug/L	50	48.6	97	51-118	
Hexachloro-1,3-butadiene	ug/L	50	48.3	97	18-90	L1
Hexachlorobenzene	ug/L	50	51.2	102	52-128	
Hexachlorocyclopentadiene	ug/L	50	74.2	148	13-119	IC,IH,L1
Hexachloroethane	ug/L	50	42.1	84	41-119	
Indeno(1,2,3-cd)pyrene	ug/L	50	56.1	112	26-156	
Isophorone	ug/L	50	49.3	99	46-118	

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QUALITY CONTROL DATA

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

LABORATORY CONTROL SAMPLE: 250783

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
N-Nitroso-di-n-propylamine	ug/L	50	50.4	101	40-124	
N-Nitrosodiphenylamine	ug/L	50	51.1	102	41-95	L1
Naphthalene	ug/L	50	48.2	96	39-107	
Nitrobenzene	ug/L	50	47.2	94	41-122	
Pentachlorophenol	ug/L	50	63.9	128	12-124	IH,L1
Phenanthrene	ug/L	50	51.1	102	52-126	
Phenol	ug/L	50	22.5	45	10-99	
Pyrene	ug/L	50	50.2	100	41-137	
1,2-Dichlorobenzene-d4 (S)	%			79	16-110	
2,4,6-Tribromophenol (S)	%			115	10-123	
2-Chlorophenol-d4 (S)	%			97	33-110	
2-Fluorobiphenyl (S)	%			95	43-116	
2-Fluorophenol (S)	%			57	21-110	
Nitrobenzene-d5 (S)	%			101	35-114	
p-Terphenyl-d14 (S)	%			99	33-141	
Phenol-d5 (S)	%			40	10-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 250784 250785

Parameter	Units	7041247008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,2,4-Trichlorobenzene	ug/L	ND	50	50	35.0	39.9	70	80	25-129	13	
1,2-Dichlorobenzene	ug/L	ND	50	50	29.6	37.3	59	75	28-116	23	
1,3-Dichlorobenzene	ug/L	ND	50	50	30.4	37.3	61	75	18-122	21	
1,4-Dichlorobenzene	ug/L	ND	50	50	30.6	36.3	61	73	25-123	17	
2,2'-Oxybis(1-chloropropane)	ug/L	ND	50	50	29.1	35.9	58	72	44-100	21	
2,4,5-Trichlorophenol	ug/L	ND	50	50	47.9	54.5	96	109	55-125	13	
2,4,6-Trichlorophenol	ug/L	ND	50	50	44.7	50.6	89	101	55-114	12	
2,4-Dichlorophenol	ug/L	ND	50	50	41.0	40.6	82	81	44-127	1	
2,4-Dimethylphenol	ug/L	ND	50	50	42.8	44.4	86	89	39-135	4	
2,4-Dinitrophenol	ug/L	ND	50	50	48.7	56.3	97	113	11-101	15	M0
2,4-Dinitrotoluene	ug/L	ND	50	50	48.7	53.0	97	106	55-122	8	
2,6-Dinitrotoluene	ug/L	ND	50	50	45.0	50.3	90	101	56-121	11	
2-Chloronaphthalene	ug/L	ND	50	50	42.6	47.2	85	94	41-122	10	
2-Chlorophenol	ug/L	ND	50	50	34.4	40.9	69	82	43-106	17	
2-Methylnaphthalene	ug/L	ND	50	50	34.2	40.1	68	80	31-123	16	
2-Methylphenol(o-Cresol)	ug/L	ND	50	50	36.2	44.9	72	90	41-131	22	CH
2-Nitroaniline	ug/L	ND	50	50	40.1	41.3	80	83	48-124	3	CL
2-Nitrophenol	ug/L	ND	50	50	36.5	41.2	73	82	41-128	12	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	50	50	30.0	35.0	60	70	15-141	15	
3,3'-Dichlorobenzidine	ug/L	ND	50	50	8.3J	9.3J	17	19	20-132	11	M1
3-Nitroaniline	ug/L	ND	50	50	41.6	41.5	83	83	46-112	0	
4,6-Dinitro-2-methylphenol	ug/L	ND	50	50	43.9	49.3	88	99	28-150	12	
4-Bromophenylphenyl ether	ug/L	ND	50	50	43.3	48.8	87	98	53-121	12	

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QUALITY CONTROL DATA

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 250784 250785

Parameter	Units	7041247008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
4-Chloro-3-methylphenol	ug/L	ND	50	50	50.3	51.7	101	103	48-124	3	
4-Chloroaniline	ug/L	ND	50	50	33.4	33.5	67	67	25-133	0	
4-Chlorophenylphenyl ether	ug/L	ND	50	50	44.6	51.6	89	103	53-116	15	
4-Nitroaniline	ug/L	ND	50	50	44.2	49.4	88	99	51-113	11	
4-Nitrophenol	ug/L	ND	50	50	24.0	26.1	48	52	10-102	8	IC
Acenaphthene	ug/L	ND	50	50	41.2	48.0	82	96	50-116	15	
Acenaphthylene	ug/L	ND	50	50	41.8	47.5	84	95	50-109	13	
Anthracene	ug/L	ND	50	50	43.3	48.2	87	96	54-117	11	
Benzo(a)anthracene	ug/L	ND	50	50	44.5	48.6	89	97	31-128	9	
Benzo(a)pyrene	ug/L	ND	50	50	47.2	55.3	94	111	30-146	16	
Benzo(b)fluoranthene	ug/L	ND	50	50	53.4	63.4	107	127	43-147	17	
Benzo(g,h,i)perylene	ug/L	ND	50	50	41.1	46.0	82	92	25-153	11	
Benzo(k)fluoranthene	ug/L	ND	50	50	44.7	57.2	89	114	28-148	25	
bis(2-Chloroethoxy)methane	ug/L	ND	50	50	39.7	40.8	79	82	47-102	3	
bis(2-Chloroethyl) ether	ug/L	ND	50	50	30.3	35.9	61	72	39-111	17	
bis(2-Ethylhexyl)phthalate	ug/L	ND	50	50	47.1	50.1	94	100	37-138	6	
Butylbenzylphthalate	ug/L	ND	50	50	44.0	47.9	88	96	38-135	8	
Carbazole	ug/L	<5.0	50	50	43.1	50.9	86	102	69-127	17	
Chrysene	ug/L	ND	50	50	45.0	49.0	90	98	42-140	9	
Di-n-butylphthalate	ug/L	ND	50	50	45.0	50.9	90	102	50-128	12	
Di-n-octylphthalate	ug/L	ND	50	50	53.3	61.3	107	123	32-148	14	
Dibenz(a,h)anthracene	ug/L	ND	50	50	40.8	48.3	82	97	22-147	17	
Dibenzofuran	ug/L	ND	50	50	44.3	49.1	89	98	53-117	10	
Diethylphthalate	ug/L	ND	50	50	46.9	51.8	94	104	54-124	10	
Dimethylphthalate	ug/L	ND	50	50	46.1	52.1	92	104	56-121	12	
Fluoranthene	ug/L	ND	50	50	43.6	48.8	87	98	50-123	11	
Fluorene	ug/L	ND	50	50	45.0	51.9	90	104	51-118	14	
Hexachloro-1,3-butadiene	ug/L	ND	50	50	33.4	39.7	67	79	18-90	17	
Hexachlorobenzene	ug/L	ND	50	50	42.3	47.8	85	96	52-128	12	
Hexachlorocyclopentadiene	ug/L	ND	50	50	42.0	40.2	84	80	13-119	5	CL,IC,IH
Hexachloroethane	ug/L	ND	50	50	28.9	38.0	58	76	41-119	27	
Indeno(1,2,3-cd)pyrene	ug/L	ND	50	50	44.2	52.4	88	105	26-156	17	
Isophorone	ug/L	ND	50	50	37.5	42.5	75	85	46-118	13	
N-Nitroso-di-n-propylamine	ug/L	ND	50	50	37.3	42.7	75	85	40-124	14	
N-Nitrosodiphenylamine	ug/L	ND	50	50	43.2	49.6	86	99	41-95	14	M0
Naphthalene	ug/L	ND	50	50	36.0	39.6	72	79	39-107	10	
Nitrobenzene	ug/L	ND	50	50	35.1	39.5	70	79	41-122	12	
Pentachlorophenol	ug/L	ND	50	50	56.4	59.3	113	119	12-124	5	IH
Phenanthrene	ug/L	ND	50	50	44.2	50.0	88	100	52-126	12	
Phenol	ug/L	ND	50	50	18.6	22.4	37	45	10-99	19	
Pyrene	ug/L	ND	50	50	42.1	42.6	84	85	41-137	1	
1,2-Dichlorobenzene-d4 (S)	%						56	73	16-110		
2,4,6-Tribromophenol (S)	%						100	113	10-123		
2-Chlorophenol-d4 (S)	%						70	84	33-110		
2-Fluorobiphenyl (S)	%						79	91	43-116		
2-Fluorophenol (S)	%						45	51	21-110		

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(631)694-3040

QUALITY CONTROL DATA

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 250784 250785

Parameter	Units	7041247008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Nitrobenzene-d5 (S)	%						72	86	35-114		
p-Terphenyl-d14 (S)	%						78	90	33-141		
Phenol-d5 (S)	%						33	41	10-110		

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QUALITY CONTROL DATA

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

QC Batch: 54843 Analysis Method: SM22 2320B
QC Batch Method: SM22 2320B Analysis Description: 2320B Alkalinity
Associated Lab Samples: 7041247001

METHOD BLANK: 252653 Matrix: Water
Associated Lab Samples: 7041247001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	<1.0	1.0	02/01/18 14:29	
Alkalinity,Bicarbonate (CaCO3)	mg/L	<1.0	1.0	02/01/18 14:29	
Alkalinity,Carbonate (CaCO3)	mg/L	<1.0	1.0	02/01/18 14:29	

LABORATORY CONTROL SAMPLE: 252654

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	25	24.2	97	80-120	

MATRIX SPIKE SAMPLE: 252656

Parameter	Units	7041538001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	25.2	25	50.6	102	75-125	
Alkalinity,Bicarbonate (CaCO3)	mg/L	25.2	25	29.2	16	75-125	M0
Alkalinity,Carbonate (CaCO3)	mg/L	<1.0		21.4			

SAMPLE DUPLICATE: 252655

Parameter	Units	7041538001 Result	Dup Result	RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	25.2	24.6	2	
Alkalinity,Bicarbonate (CaCO3)	mg/L	25.2	24.6	2	
Alkalinity,Carbonate (CaCO3)	mg/L	<1.0	<1.0		

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QUALITY CONTROL DATA

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

QC Batch: 54953 Analysis Method: SM22 2320B
QC Batch Method: SM22 2320B Analysis Description: 2320B Alkalinity
Associated Lab Samples: 7041247002, 7041247003

METHOD BLANK: 253285 Matrix: Water
Associated Lab Samples: 7041247002, 7041247003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	<1.0	1.0	02/02/18 09:47	
Alkalinity,Bicarbonate (CaCO3)	mg/L	<1.0	1.0	02/02/18 09:47	
Alkalinity,Carbonate (CaCO3)	mg/L	<1.0	1.0	02/02/18 09:47	

LABORATORY CONTROL SAMPLE: 253286

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	25	22.0	88	80-120	

MATRIX SPIKE SAMPLE: 253288

Parameter	Units	7041247002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	321	50	397	151	75-125	M1
Alkalinity,Bicarbonate (CaCO3)	mg/L	321	50	397	151	75-125	M0
Alkalinity,Carbonate (CaCO3)	mg/L	<1.0		<1.0			

SAMPLE DUPLICATE: 253287

Parameter	Units	7041247002 Result	Dup Result	RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	321	288	11	
Alkalinity,Bicarbonate (CaCO3)	mg/L	321	288	11	
Alkalinity,Carbonate (CaCO3)	mg/L	<1.0	<1.0		

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QUALITY CONTROL DATA

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

QC Batch: 55211 Analysis Method: SM22 2320B
QC Batch Method: SM22 2320B Analysis Description: 2320B Alkalinity
Associated Lab Samples: 7041247008, 7041247010, 7041247011

METHOD BLANK: 254636 Matrix: Water
Associated Lab Samples: 7041247008, 7041247010, 7041247011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	<1.0	1.0	02/06/18 09:57	
Alkalinity,Bicarbonate (CaCO3)	mg/L	<1.0	1.0	02/06/18 09:57	
Alkalinity,Carbonate (CaCO3)	mg/L	<1.0	1.0	02/06/18 09:57	

LABORATORY CONTROL SAMPLE: 254637

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	25	22.0	88	80-120	

MATRIX SPIKE SAMPLE: 254639

Parameter	Units	7041247008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	547	50	807	521	75-125	M1
Alkalinity,Bicarbonate (CaCO3)	mg/L	547	50	807	521	75-125	M0
Alkalinity,Carbonate (CaCO3)	mg/L	<1.0		<1.0			

SAMPLE DUPLICATE: 254638

Parameter	Units	7041247008 Result	Dup Result	RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	547	543	1	
Alkalinity,Bicarbonate (CaCO3)	mg/L	547	543	1	
Alkalinity,Carbonate (CaCO3)	mg/L	<1.0	<1.0		

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QUALITY CONTROL DATA

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

QC Batch: 55209 Analysis Method: SM22 2320B
QC Batch Method: SM22 2320B Analysis Description: 2320B Alkalinity, High Level
Associated Lab Samples: 7041247005

METHOD BLANK: 254628 Matrix: Water
Associated Lab Samples: 7041247005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	<5.0	5.0	02/06/18 07:48	
Alkalinity,Bicarbonate (CaCO3)	mg/L	<5.0	5.0	02/06/18 07:48	
Alkalinity,Carbonate (CaCO3)	mg/L	<5.0	5.0	02/06/18 07:48	

LABORATORY CONTROL SAMPLE: 254629

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	125	124	99	80-120	

MATRIX SPIKE SAMPLE: 254631

Parameter	Units	7041245003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	1350	250	1390	14	75-125	M1

SAMPLE DUPLICATE: 254630

Parameter	Units	7041245003 Result	Dup Result	RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	1350	1070	23	D6

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QUALITY CONTROL DATA

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

QC Batch: 55558 Analysis Method: SM22 2320B
QC Batch Method: SM22 2320B Analysis Description: 2320B Alkalinity, High Level
Associated Lab Samples: 7041247007, 7041247009

METHOD BLANK: 256116 Matrix: Water
Associated Lab Samples: 7041247007, 7041247009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	1.0J	5.0	02/08/18 07:50	
Alkalinity,Bicarbonate (CaCO3)	mg/L	1.0J	5.0	02/08/18 07:50	
Alkalinity,Carbonate (CaCO3)	mg/L	<5.0	5.0	02/08/18 07:50	

LABORATORY CONTROL SAMPLE: 256117

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	125	126	101	80-120	

MATRIX SPIKE SAMPLE: 256119

Parameter	Units	7041247007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	1530	250	1750	90	75-125	
Alkalinity,Bicarbonate (CaCO3)	mg/L	1530	250	1750	90	75-125	
Alkalinity,Carbonate (CaCO3)	mg/L	<5.0		<5.0			

SAMPLE DUPLICATE: 256118

Parameter	Units	7041247007 Result	Dup Result	RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	1530	1320	15	
Alkalinity,Bicarbonate (CaCO3)	mg/L	1530	1320	15	
Alkalinity,Carbonate (CaCO3)	mg/L	<5.0	<5.0		

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QUALITY CONTROL DATA

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

QC Batch: 54433 Analysis Method: SM22 2540C
QC Batch Method: SM22 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 7041247001, 7041247002, 7041247003, 7041247005

METHOD BLANK: 251190 Matrix: Water
Associated Lab Samples: 7041247001, 7041247002, 7041247003, 7041247005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<10.0	10.0	01/29/18 13:27	

LABORATORY CONTROL SAMPLE: 251191

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	500	514	103	85-115	

MATRIX SPIKE SAMPLE: 251193

Parameter	Units	7041247001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	26000	30000	55000	97	75-125	

MATRIX SPIKE SAMPLE: 251195

Parameter	Units	7041266008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	202	600	728	88	75-125	

SAMPLE DUPLICATE: 251192

Parameter	Units	7041247001 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	26000	23700	9	

SAMPLE DUPLICATE: 251194

Parameter	Units	7041266008 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	202	200	1	

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QUALITY CONTROL DATA

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

QC Batch: 54770 Analysis Method: SM22 2540C
QC Batch Method: SM22 2540C Analysis Description: 2540C Total Dissolved Solids
Associated Lab Samples: 7041247007, 7041247008, 7041247009, 7041247010, 7041247011

METHOD BLANK: 252413 Matrix: Water
Associated Lab Samples: 7041247007, 7041247008, 7041247009, 7041247010, 7041247011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	<10.0	10.0	01/31/18 16:53	

LABORATORY CONTROL SAMPLE: 252414

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	500	492	98	85-115	

MATRIX SPIKE SAMPLE: 252416

Parameter	Units	7041400001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	164	600	764	100	75-125	

MATRIX SPIKE SAMPLE: 252418

Parameter	Units	7041247008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	25100	30000	56100	103	75-125	

SAMPLE DUPLICATE: 252415

Parameter	Units	7041400001 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	164	168	2	

SAMPLE DUPLICATE: 252417

Parameter	Units	7041247008 Result	Dup Result	RPD	Qualifiers
Total Dissolved Solids	mg/L	25100	25900	3	

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QUALITY CONTROL DATA

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

QC Batch: 54210 Analysis Method: EPA 410.4
QC Batch Method: EPA 410.4 Analysis Description: 410.4 COD
Associated Lab Samples: 7041247001, 7041247002, 7041247003, 7041247005

METHOD BLANK: 250296 Matrix: Water
Associated Lab Samples: 7041247001, 7041247002, 7041247003, 7041247005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	<10.0	10.0	01/26/18 13:44	

LABORATORY CONTROL SAMPLE: 250297

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	500	525	105	90-110	

MATRIX SPIKE SAMPLE: 250298

Parameter	Units	7041204001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	60.0	1000	1020	96	90-110	

SAMPLE DUPLICATE: 250299

Parameter	Units	7041204001 Result	Dup Result	RPD	Qualifiers
Chemical Oxygen Demand	mg/L	60.0	79.0	27	D6

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QUALITY CONTROL DATA

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

QC Batch: 54572 Analysis Method: EPA 410.4
QC Batch Method: EPA 410.4 Analysis Description: 410.4 COD
Associated Lab Samples: 7041247007, 7041247008, 7041247009, 7041247010, 7041247011

METHOD BLANK: 251600 Matrix: Water
Associated Lab Samples: 7041247007, 7041247008, 7041247009, 7041247010, 7041247011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	<10.0	10.0	01/30/18 13:40	

LABORATORY CONTROL SAMPLE: 251601

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	500	504	101	90-110	

MATRIX SPIKE SAMPLE: 251605

Parameter	Units	7041247008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	621	5000	5140	90	90-110	

MATRIX SPIKE SAMPLE: 251607

Parameter	Units	7041033001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	223000 ug/L	500	603	76	90-110	M1

SAMPLE DUPLICATE: 251606

Parameter	Units	7041247008 Result	Dup Result	RPD	Qualifiers
Chemical Oxygen Demand	mg/L	621	621	0	

SAMPLE DUPLICATE: 251608

Parameter	Units	7041033001 Result	Dup Result	RPD	Qualifiers
Chemical Oxygen Demand	mg/L	223000 ug/L	231	4	

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QUALITY CONTROL DATA

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

QC Batch: 54148 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 7041247001, 7041247003, 7041247005

METHOD BLANK: 249970 Matrix: Water
Associated Lab Samples: 7041247001, 7041247003, 7041247005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<2.0	2.0	01/25/18 17:34	
Sulfate	mg/L	0.27J	5.0	01/25/18 17:34	

LABORATORY CONTROL SAMPLE: 249971

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	10	9.4	94	90-110	
Sulfate	mg/L	10	10.4	104	90-110	

MATRIX SPIKE SAMPLE: 249972

Parameter	Units	7041119001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	13.0	10	23.7	107	80-120	
Sulfate	mg/L	<5.0	10	11.8	100	80-120	

SAMPLE DUPLICATE: 249973

Parameter	Units	7041119001 Result	Dup Result	RPD	Qualifiers
Chloride	mg/L	13.0	12.9	1	
Sulfate	mg/L	<5.0	1.8J		

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QUALITY CONTROL DATA

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

QC Batch: 54597 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 7041247002, 7041247007

METHOD BLANK: 251718 Matrix: Water
Associated Lab Samples: 7041247002, 7041247007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	0.21J	2.0	01/30/18 21:31	
Sulfate	mg/L	<5.0	5.0	01/30/18 21:31	

LABORATORY CONTROL SAMPLE: 251719

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	10	10.8	108	90-110	
Sulfate	mg/L	10	10.6	106	90-110	

MATRIX SPIKE SAMPLE: 251720

Parameter	Units	7041453001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	9.1	10	18.7	96	80-120	
Sulfate	mg/L	<5.0	10	11.2	101	80-120	

MATRIX SPIKE SAMPLE: 251831

Parameter	Units	7041520010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	12.2	10	21.5	93	80-120	
Sulfate	mg/L	10.7	10	21.4	108	80-120	

SAMPLE DUPLICATE: 251721

Parameter	Units	7041453001 Result	Dup Result	RPD	Qualifiers
Chloride	mg/L	9.1	9.0	1	
Sulfate	mg/L	<5.0	1.1J		

SAMPLE DUPLICATE: 251832

Parameter	Units	7041520010 Result	Dup Result	RPD	Qualifiers
Chloride	mg/L	12.2	12.1	1	
Sulfate	mg/L	10.7	10.6	1	

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QUALITY CONTROL DATA

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

QC Batch: 54598 Analysis Method: EPA 300.0
QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
Associated Lab Samples: 7041247008, 7041247009, 7041247010, 7041247011

METHOD BLANK: 251722 Matrix: Water
Associated Lab Samples: 7041247008, 7041247009, 7041247010, 7041247011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	0.21J	2.0	01/31/18 05:24	
Sulfate	mg/L	<5.0	5.0	01/31/18 05:24	

LABORATORY CONTROL SAMPLE: 251723

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	10	9.1	91	90-110	
Sulfate	mg/L	10	9.3	93	90-110	

MATRIX SPIKE SAMPLE: 251724

Parameter	Units	7041247008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	13500	5000	18700	105	80-120	
Sulfate	mg/L	1590	500	2060	95	80-120	

SAMPLE DUPLICATE: 251725

Parameter	Units	7041247008 Result	Dup Result	RPD	Qualifiers
Chloride	mg/L	13500	15300	12	
Sulfate	mg/L	1590	1580	0	

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QUALITY CONTROL DATA

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

QC Batch: 54943 Analysis Method: EPA 351.2
QC Batch Method: EPA 351.2 Analysis Description: 351.2 TKN
Associated Lab Samples: 7041247001, 7041247002, 7041247003, 7041247005, 7041247007, 7041247008, 7041247009, 7041247010, 7041247011

METHOD BLANK: 253268 Matrix: Water
Associated Lab Samples: 7041247001, 7041247002, 7041247003, 7041247005, 7041247007, 7041247008, 7041247009, 7041247010, 7041247011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	<0.10	0.10	02/02/18 13:09	

LABORATORY CONTROL SAMPLE: 253269

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	4	4.1	102	90-110	

MATRIX SPIKE SAMPLE: 253270

Parameter	Units	7041632002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	5.3	4	10.2	123	90-110	M1

MATRIX SPIKE SAMPLE: 253272

Parameter	Units	7041247008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	31.5	20	57.6	130	90-110	M1

SAMPLE DUPLICATE: 253271

Parameter	Units	7041632002 Result	Dup Result	RPD	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	5.3	5.4	1	

SAMPLE DUPLICATE: 253273

Parameter	Units	7041247008 Result	Dup Result	RPD	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	31.5	32.4	3	

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QUALITY CONTROL DATA

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

QC Batch: 54001 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrite, Unpres.
Associated Lab Samples: 7041247001, 7041247002, 7041247003, 7041247005

METHOD BLANK: 249458 Matrix: Water
Associated Lab Samples: 7041247001, 7041247002, 7041247003, 7041247005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	<0.050	0.050	01/25/18 08:00	

LABORATORY CONTROL SAMPLE: 249459

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	1	1.0	102	90-110	

MATRIX SPIKE SAMPLE: 249460

Parameter	Units	7041221001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	.5	0.54	107	90-110	

MATRIX SPIKE SAMPLE: 249462

Parameter	Units	7041225001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	.5	0.53	106	90-110	

SAMPLE DUPLICATE: 249461

Parameter	Units	7041221001 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

SAMPLE DUPLICATE: 249463

Parameter	Units	7041225001 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

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QUALITY CONTROL DATA

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

QC Batch: 54185 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrite, Unpres.
Associated Lab Samples: 7041247007, 7041247008, 7041247009, 7041247010, 7041247011

METHOD BLANK: 250213 Matrix: Water
Associated Lab Samples: 7041247007, 7041247008, 7041247009, 7041247010, 7041247011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	<0.050	0.050	01/26/18 07:17	

LABORATORY CONTROL SAMPLE: 250214

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	1	0.97	97	90-110	

MATRIX SPIKE SAMPLE: 250215

Parameter	Units	7041286001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	.5	0.52	105	90-110	

MATRIX SPIKE SAMPLE: 250217

Parameter	Units	7041294001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	.5	0.53	107	90-110	

MATRIX SPIKE SAMPLE: 250264

Parameter	Units	7041247008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	.5	0.55	110	90-110	

SAMPLE DUPLICATE: 250216

Parameter	Units	7041286001 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

SAMPLE DUPLICATE: 250218

Parameter	Units	7041294001 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

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QUALITY CONTROL DATA

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

SAMPLE DUPLICATE: 250265

Parameter	Units	7041247008 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

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QUALITY CONTROL DATA

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

QC Batch: 54013 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, preserved
Associated Lab Samples: 7041247001, 7041247002, 7041247003, 7041247005

METHOD BLANK: 249500 Matrix: Water
Associated Lab Samples: 7041247001, 7041247002, 7041247003, 7041247005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	0.050	01/25/18 12:17	

LABORATORY CONTROL SAMPLE: 249501

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	1	1.1	107	90-110	

MATRIX SPIKE SAMPLE: 249502

Parameter	Units	7041247001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	2.0	2.5	4.4	99	90-110	

SAMPLE DUPLICATE: 249503

Parameter	Units	7041247001 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	2.0	1.7	15	

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QUALITY CONTROL DATA

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

QC Batch: 54192 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, preserved
Associated Lab Samples: 7041247007, 7041247008, 7041247009, 7041247010, 7041247011

METHOD BLANK: 250241 Matrix: Water
Associated Lab Samples: 7041247007, 7041247008, 7041247009, 7041247010, 7041247011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	0.050	01/26/18 13:00	

LABORATORY CONTROL SAMPLE: 250242

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	1	0.99	99	90-110	

MATRIX SPIKE SAMPLE: 250243

Parameter	Units	7041354002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	5.4	5	10.5	104	90-110	

MATRIX SPIKE SAMPLE: 250262

Parameter	Units	7041247008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	.5	0.49	99	90-110	

SAMPLE DUPLICATE: 250244

Parameter	Units	7041354002 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	5.4	5.4	0	

SAMPLE DUPLICATE: 250263

Parameter	Units	7041247008 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	<0.050		

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QUALITY CONTROL DATA

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

QC Batch: 54380 Analysis Method: SM22 4500 NH3 H
QC Batch Method: SM22 4500 NH3 H Analysis Description: 4500 Ammonia
Associated Lab Samples: 7041247001, 7041247002, 7041247003, 7041247005, 7041247007, 7041247008, 7041247009, 7041247010, 7041247011

METHOD BLANK: 251013 Matrix: Water
Associated Lab Samples: 7041247001, 7041247002, 7041247003, 7041247005, 7041247007, 7041247008, 7041247009, 7041247010, 7041247011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	<0.10	0.10	01/29/18 12:21	

LABORATORY CONTROL SAMPLE: 251014

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	1	1.1	110	90-110	

MATRIX SPIKE SAMPLE: 251015

Parameter	Units	7041247008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	31.5	10	39.7	82	75-125	

SAMPLE DUPLICATE: 251016

Parameter	Units	7041247008 Result	Dup Result	RPD	Qualifiers
Nitrogen, Ammonia	mg/L	31.5	32.0	2	

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QUALITY CONTROL DATA

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

QC Batch: 55399 Analysis Method: EPA 9014 Total Cyanide
QC Batch Method: EPA 9010C Analysis Description: 9014 Cyanide, Total
Associated Lab Samples: 7041247001, 7041247002, 7041247003, 7041247005

METHOD BLANK: 255444 Matrix: Water
Associated Lab Samples: 7041247001, 7041247002, 7041247003, 7041247005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	ug/L	<10.0	10.0	02/07/18 17:10	

LABORATORY CONTROL SAMPLE: 255445

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	ug/L	75	71.5	95	85-115	

MATRIX SPIKE SAMPLE: 255531

Parameter	Units	7041247002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cyanide	ug/L	<10.0	100	95.3	95	75-125	

SAMPLE DUPLICATE: 255532

Parameter	Units	7041247002 Result	Dup Result	RPD	Qualifiers
Cyanide	ug/L	<10.0	<10.0		

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QUALITY CONTROL DATA

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

QC Batch: 55559 Analysis Method: EPA 9014 Total Cyanide
QC Batch Method: EPA 9010C Analysis Description: 9014 Cyanide, Total
Associated Lab Samples: 7041247007, 7041247008, 7041247009, 7041247010, 7041247011

METHOD BLANK: 256120 Matrix: Water
Associated Lab Samples: 7041247007, 7041247008, 7041247009, 7041247010, 7041247011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	ug/L	<10.0	10.0	02/08/18 17:09	

LABORATORY CONTROL SAMPLE: 256121

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	ug/L	75	72.3	96	85-115	

MATRIX SPIKE SAMPLE: 256122

Parameter	Units	7041247008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cyanide	ug/L	<10.0	100	7.1J	7	75-125	M1

SAMPLE DUPLICATE: 256123

Parameter	Units	7041247008 Result	Dup Result	RPD	Qualifiers
Cyanide	ug/L	<10.0	<10.0		

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QUALIFIERS

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

B	Analyte was detected in the associated method blank.
CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
D6	The precision between the sample and sample duplicate exceeded laboratory control limits.
IC	The initial calibration for this compound was outside of method control limits. The result is estimated.
IH	This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
M6	Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.
MS	Analyte recovery in the matrix spike was outside QC limits for one or more of the constituent analytes used in the calculated result.
N	The reported TIC has an 85% or higher match on a mass spectral library search.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7041247001	**MW-106**	EPA 3510C	54803	EPA 8081B	54817
7041247002	**MW-133**	EPA 3510C	54803	EPA 8081B	54817
7041247003	**MW-119**	EPA 3510C	54803	EPA 8081B	54817
7041247005	**MW-122**	EPA 3510C	54803	EPA 8081B	54817
7041247007	**MW-120**	EPA 3510C	54803	EPA 8081B	54817
7041247008	**MW-120-B**	EPA 3510C	54803	EPA 8081B	54817
7041247009	**BLIND DUPLICATE**	EPA 3510C	54803	EPA 8081B	54817
7041247010	**MW-110**	EPA 3510C	54803	EPA 8081B	54817
7041247011	**MW-104**	EPA 3510C	55638	EPA 8081B	54817
7041247011	**MW-104**	EPA 3510C	55638	EPA 8081B	55644
7041247001	**MW-106**	EPA 3510C	54161	EPA 8082A	54184
7041247002	**MW-133**	EPA 3510C	54161	EPA 8082A	54184
7041247003	**MW-119**	EPA 3510C	54161	EPA 8082A	54184
7041247005	**MW-122**	EPA 3510C	54161	EPA 8082A	54184
7041247007	**MW-120**	EPA 3510C	54337	EPA 8082A	54347
7041247008	**MW-120-B**	EPA 3510C	54337	EPA 8082A	54347
7041247009	**BLIND DUPLICATE**	EPA 3510C	54337	EPA 8082A	54347
7041247010	**MW-110**	EPA 3510C	54337	EPA 8082A	54347
7041247011	**MW-104**	EPA 3510C	54337	EPA 8082A	54347
7041247001	**MW-106**	EPA 200.7	54288	EPA 200.7	54296
7041247002	**MW-133**	EPA 200.7	54288	EPA 200.7	54296
7041247003	**MW-119**	EPA 200.7	54288	EPA 200.7	54296
7041247005	**MW-122**	EPA 200.7	54288	EPA 200.7	54296
7041247007	**MW-120**	EPA 200.7	54436	EPA 200.7	54468
7041247008	**MW-120-B**	EPA 200.7	54436	EPA 200.7	54468
7041247009	**BLIND DUPLICATE**	EPA 200.7	54436	EPA 200.7	54468
7041247010	**MW-110**	EPA 200.7	54436	EPA 200.7	54468
7041247011	**MW-104**	EPA 200.7	54436	EPA 200.7	54468
7041247001	**MW-106**	EPA 200.7	55400		
7041247002	**MW-133**	EPA 200.7	55400		
7041247003	**MW-119**	EPA 200.7	55400		
7041247005	**MW-122**	EPA 200.7	55400		
7041247007	**MW-120**	EPA 200.7	55400		
7041247008	**MW-120-B**	EPA 200.7	55400		
7041247009	**BLIND DUPLICATE**	EPA 200.7	55400		
7041247010	**MW-110**	EPA 200.7	55400		
7041247011	**MW-104**	EPA 200.7	55400		
7041247001	**MW-106**	EPA 245.1	54293	EPA 245.1	54303
7041247002	**MW-133**	EPA 245.1	54293	EPA 245.1	54303
7041247003	**MW-119**	EPA 245.1	54293	EPA 245.1	54303
7041247005	**MW-122**	EPA 245.1	54293	EPA 245.1	54303
7041247007	**MW-120**	EPA 245.1	54442	EPA 245.1	54453
7041247008	**MW-120-B**	EPA 245.1	54442	EPA 245.1	54453
7041247009	**BLIND DUPLICATE**	EPA 245.1	54442	EPA 245.1	54453
7041247010	**MW-110**	EPA 245.1	54442	EPA 245.1	54453

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7041247011	MW-104	EPA 245.1	54442	EPA 245.1	54453
7041247001	MW-106	EPA 245.1	54292	EPA 245.1	54302
7041247002	MW-133	EPA 245.1	54292	EPA 245.1	54302
7041247003	MW-119	EPA 245.1	54292	EPA 245.1	54302
7041247005	MW-122	EPA 245.1	54292	EPA 245.1	54302
7041247007	MW-120	EPA 245.1	54441	EPA 245.1	54452
7041247008	MW-120-B	EPA 245.1	54441	EPA 245.1	54452
7041247009	BLIND DUPLICATE	EPA 245.1	54441	EPA 245.1	54452
7041247010	MW-110	EPA 245.1	54441	EPA 245.1	54452
7041247011	MW-104	EPA 245.1	54441	EPA 245.1	54452
7041247001	MW-106	EPA 3510C	54067	EPA 8270D	54169
7041247002	MW-133	EPA 3510C	54067	EPA 8270D	54169
7041247003	MW-119	EPA 3510C	54067	EPA 8270D	54169
7041247005	MW-122	EPA 3510C	54067	EPA 8270D	54169
7041247007	MW-120	EPA 3510C	54308	EPA 8270D	54343
7041247008	MW-120-B	EPA 3510C	54308	EPA 8270D	54343
7041247009	BLIND DUPLICATE	EPA 3510C	54308	EPA 8270D	54343
7041247010	MW-110	EPA 3510C	54308	EPA 8270D	54343
7041247011	MW-104	EPA 3510C	54308	EPA 8270D	54343
7041247001	MW-106	EPA 8270D			
7041247002	MW-133	EPA 8270D			
7041247003	MW-119	EPA 8270D			
7041247005	MW-122	EPA 8270D			
7041247007	MW-120	EPA 8270D			
7041247001	MW-106	EPA 8260C/5030C	54339		
7041247002	MW-133	EPA 8260C/5030C	54339		
7041247003	MW-119	EPA 8260C/5030C	54339		
7041247004	TRIP BLANK	EPA 8260C/5030C	54339		
7041247005	MW-122	EPA 8260C/5030C	54339		
7041247006	STORAGE BLANK	EPA 8260C/5030C	54339		
7041247007	MW-120	EPA 8260C/5030C	54339		
7041247008	MW-120-B	EPA 8260C/5030C	54339		
7041247009	BLIND DUPLICATE	EPA 8260C/5030C	54339		
7041247010	MW-110	EPA 8260C/5030C	54339		
7041247011	MW-104	EPA 8260C/5030C	54339		
7041247001	MW-106	EPA 8260			
7041247002	MW-133	EPA 8260			
7041247003	MW-119	EPA 8260			
7041247004	TRIP BLANK	EPA 8260			
7041247005	MW-122	EPA 8260	55090		
7041247006	STORAGE BLANK	EPA 8260			
7041247008	MW-120-B	EPA 8260			
7041247009	BLIND DUPLICATE	EPA 8260			
7041247010	MW-110	EPA 8260			

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7041247011	MW-104	EPA 8260			
7041247001	MW-106	SM22 2320B	54843		
7041247002	MW-133	SM22 2320B	54953		
7041247003	MW-119	SM22 2320B	54953		
7041247008	MW-120-B	SM22 2320B	55211		
7041247010	MW-110	SM22 2320B	55211		
7041247011	MW-104	SM22 2320B	55211		
7041247005	MW-122	SM22 2320B	55209		
7041247007	MW-120	SM22 2320B	55558		
7041247009	BLIND DUPLICATE	SM22 2320B	55558		
7041247001	MW-106	SM22 2540C	54433		
7041247002	MW-133	SM22 2540C	54433		
7041247003	MW-119	SM22 2540C	54433		
7041247005	MW-122	SM22 2540C	54433		
7041247007	MW-120	SM22 2540C	54770		
7041247008	MW-120-B	SM22 2540C	54770		
7041247009	BLIND DUPLICATE	SM22 2540C	54770		
7041247010	MW-110	SM22 2540C	54770		
7041247011	MW-104	SM22 2540C	54770		
7041247001	MW-106	EPA 410.4	54210	EPA 410.4	54261
7041247002	MW-133	EPA 410.4	54210	EPA 410.4	54261
7041247003	MW-119	EPA 410.4	54210	EPA 410.4	54261
7041247005	MW-122	EPA 410.4	54210	EPA 410.4	54261
7041247007	MW-120	EPA 410.4	54572	EPA 410.4	54600
7041247008	MW-120-B	EPA 410.4	54572	EPA 410.4	54600
7041247009	BLIND DUPLICATE	EPA 410.4	54572	EPA 410.4	54600
7041247010	MW-110	EPA 410.4	54572	EPA 410.4	54600
7041247011	MW-104	EPA 410.4	54572	EPA 410.4	54600
7041247001	MW-106	EPA 300.0	54148		
7041247002	MW-133	EPA 300.0	54597		
7041247003	MW-119	EPA 300.0	54148		
7041247005	MW-122	EPA 300.0	54148		
7041247007	MW-120	EPA 300.0	54597		
7041247008	MW-120-B	EPA 300.0	54598		
7041247009	BLIND DUPLICATE	EPA 300.0	54598		
7041247010	MW-110	EPA 300.0	54598		
7041247011	MW-104	EPA 300.0	54598		
7041247001	MW-106	EPA 351.2	54943	EPA 351.2	54946
7041247002	MW-133	EPA 351.2	54943	EPA 351.2	54946
7041247003	MW-119	EPA 351.2	54943	EPA 351.2	54946
7041247005	MW-122	EPA 351.2	54943	EPA 351.2	54946

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Pelham Bay Post Closure
Pace Project No.: 7041247

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7041247007	**MW-120**	EPA 351.2	54943	EPA 351.2	54946
7041247008	**MW-120-B**	EPA 351.2	54943	EPA 351.2	54946
7041247009	**BLIND DUPLICATE**	EPA 351.2	54943	EPA 351.2	54946
7041247010	**MW-110**	EPA 351.2	54943	EPA 351.2	54946
7041247011	**MW-104**	EPA 351.2	54943	EPA 351.2	54946
7041247001	**MW-106**	EPA 353.2	54013		
7041247002	**MW-133**	EPA 353.2	54013		
7041247003	**MW-119**	EPA 353.2	54013		
7041247005	**MW-122**	EPA 353.2	54013		
7041247007	**MW-120**	EPA 353.2	54192		
7041247008	**MW-120-B**	EPA 353.2	54192		
7041247009	**BLIND DUPLICATE**	EPA 353.2	54192		
7041247010	**MW-110**	EPA 353.2	54192		
7041247011	**MW-104**	EPA 353.2	54192		
7041247001	**MW-106**	EPA 353.2	54001		
7041247002	**MW-133**	EPA 353.2	54001		
7041247003	**MW-119**	EPA 353.2	54001		
7041247005	**MW-122**	EPA 353.2	54001		
7041247007	**MW-120**	EPA 353.2	54185		
7041247008	**MW-120-B**	EPA 353.2	54185		
7041247009	**BLIND DUPLICATE**	EPA 353.2	54185		
7041247010	**MW-110**	EPA 353.2	54185		
7041247011	**MW-104**	EPA 353.2	54185		
7041247001	**MW-106**	SM22 4500 NH3 H	54380		
7041247002	**MW-133**	SM22 4500 NH3 H	54380		
7041247003	**MW-119**	SM22 4500 NH3 H	54380		
7041247005	**MW-122**	SM22 4500 NH3 H	54380		
7041247007	**MW-120**	SM22 4500 NH3 H	54380		
7041247008	**MW-120-B**	SM22 4500 NH3 H	54380		
7041247009	**BLIND DUPLICATE**	SM22 4500 NH3 H	54380		
7041247010	**MW-110**	SM22 4500 NH3 H	54380		
7041247011	**MW-104**	SM22 4500 NH3 H	54380		
7041247001	**MW-106**	EPA 9010C	55399	EPA 9014 Total Cyanide	55440
7041247002	**MW-133**	EPA 9010C	55399	EPA 9014 Total Cyanide	55440
7041247003	**MW-119**	EPA 9010C	55399	EPA 9014 Total Cyanide	55440
7041247005	**MW-122**	EPA 9010C	55399	EPA 9014 Total Cyanide	55440
7041247007	**MW-120**	EPA 9010C	55559	EPA 9014 Total Cyanide	55599
7041247008	**MW-120-B**	EPA 9010C	55559	EPA 9014 Total Cyanide	55599
7041247009	**BLIND DUPLICATE**	EPA 9010C	55559	EPA 9014 Total Cyanide	55599
7041247010	**MW-110**	EPA 9010C	55559	EPA 9014 Total Cyanide	55599
7041247011	**MW-104**	EPA 9010C	55559	EPA 9014 Total Cyanide	55599

REPORT OF LABORATORY ANALYSIS

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PACE labs
575 Broad Hollow Road, Melville, NY 11747
(631) 694-3040 Fax: (631) 420-8436

WO#:7041247

Pace SDG NO:

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

Project Contact: Vincent Pelusio

Project Name/Number: Pelham Bay Landfill

Source: Groundwater

Sampled by: K. Robinson and A. Dziegelewski

Signature:

PIS/Quote #

NYSDEC Category B QA/QC

Notes:

MATRIX	COLLECTED DATE	COLLECTED Time	SAMPLE FIELD IDENTIFICATION	Total Number of Containers: 46	SAMPLE CONTAINER DESCRIPTION: 40 mL VIALS [HCl]	1 Liter Plastic	250 mL Amber Glass [H_2SO_4]	1 Liter Amber Glass	500 mL Plastic [HNO_3]	500 mL Plastic [HNO_3]	250 mL Plastic [NaOH]	ANALYSIS REQUESTED: Part 360 Volatile Organics	TDS, Cl, SO_4, NO_2, Alkalinity, Carbonate & Bicarbonate Alk.	COD, NH_3, NO_3, TKN	SVOC (8270) and PEST/PCB (8081)	TAL Meals, Boron	TAL Meals plus Boron (Field Filtered)	Cyanide	Lab. ID No.	REMARKS
GW	1/24/18	8:40	MW-106	11	2	1	1	4	1	1	1	2	1	1	4	1	1	1	001	
GW	1/24/18	11:15	MW-113	11	2	1	1	4	1	1	1	2	1	1	4	1	1	1	002	
GW	1/24/18	11:00	MW-119	11	2	1	1	4	1	1	1	2	1	1	4	1	1	1	003	
Water			Trip Blank	2	2							2							004	
GW	1/24/18	9:00	MW-122	11	2	1	1	4	1	1	1	2	1	1	4	1	1	1	005	

Relinquished by: (Signature)	Date: 1/24/18	Time:	Received by: (Signature)	Date: 1/24/18	Time: 13:45
	Representing: STRATIS			Representing:	
Relinquished by: (Signature)	Date: 1/24/18	Time: 14:51	Received by: (Signature)	Date: 1/24/18	Time: 14:51
	Representing:			Representing: PACE	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	Representing:			Representing:	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	Representing:			Representing:	

Laboratory Use Only

Samples were:
1. Shipped ___ or Hand Delivered Y Airbill#
2. Ambient or Chilled Temperature 2.2/1.6
3. Properly preserved Yes or No

COC Tape was:
1. Present on outer package: Yes or No
2. Unbroken on outer package: Yes or No

Sample Condition Upon Receipt

Pace Analytical

WO#: 7041247

PM: JSA Due Date: 01/31/18
CLIENT: STRATIS

Client Name: Stratis Projec

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☒ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☒ Yes ☐ No Seals intact: ☒ Yes ☐ No

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ Ziploc ☐ None ☐ Other Type of Ice: (Wet) Blue None

Thermometer Used: TH093 Correction Factor: +0.0 ☐ Samples on ice, cooling process has begun

Cooler Temperature (°C): 2.2/1.6 Cooler Temperature Corrected (°C): 2.2/1.6 Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☒ N/A, water sample) Date and Initials of person examining contents: 1/24/18 JP

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ YES ☐ NO

Did samples orignate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	☑Yes	☐No		1.
Chain of Custody Filled Out:	☑Yes	☐No		2.
Chain of Custody Relinquished:	☑Yes	☐No		3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☑Yes	☐No		5.
Short Hold Time Analysis (<72hr):	☑Yes	☐No		6.
Rush Turn Around Time Requested:	☐Yes	☑No		7.
Sufficient Volume: (Triple volume provided for MS/MSD	☑Yes	☐No		8.
Correct Containers Used:	☑Yes	☐No		9.
-Pace Containers Used:	☑Yes	☐No		
Containers Intact:	☑Yes	☐No		10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☑Yes	☐No		12.
-Includes date/time/ID/Analysis Matrix SL (WT) OIL				
All containers needing preservation have been checked	☑Yes	☐No	☐N/A	13. ☐ HNO_3 ☑ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot # HC601354				Sample # MW-122 (sample 004)
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NAOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water), Per Method, VOA pH is checked after analysis	☑Yes	☐No	☐N/A	Initial when completed: KB 1/24/18 Lot # of added preservative: 24624 Date/Time preservative added: 1/24/18 17:45
Samples checked for dechlorination:	☐Yes	☐No	☑N/A	14.
Residual chlorine strips Lot #				Positive for Res. Chlorine? Y N
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A	15.
Trip Blank Present:	☑Yes	☐No	☐N/A	16.
Trip Blank Custody Seals Present	☑Yes	☐No	☐N/A	
Pace Trip Blank Lot # (if applicable):				

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

* PM (Project Manager) review is documented electronically in LIMS.

Pace Analytical

575 Broad Hollow Road, Melville, NY 11747
(631) 694-3040 Fax: (631) 420-8436
www.h2mlabs.com

CHAIN-OF-CUSTODY

Analytical Request Document

WO#: 7041247

PM: JSA Due Date: 01/31/18
CLIENT: STRATIS

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

Project Contact: Keith Robinson

Project Name/Number: Pelham Bay Landfill
Post-Closure Monitoring

Source: Groundwater

Sampled by: Stratis: KR, AD

Signature:

PIS/Quote #

MATRIX	COLLECTED DATE	COLLECTED TIME	SAMPLE FIELD IDENTIFICATION	Total Number of Containers: 77	SAMPLE CONTAINER DESCRIPTION: 40 mL VIALS [HCl]	250 mL Plastic [H_2SO_4]	1 Liter Amber Glass	1 Liter Plastic	500 mL Plastic [HNO_3]	500 mL Plastic [HNO_3]	250 mL Plastic [NaOH]	ANALYSIS REQUESTED: Part 360 Volatiles Organics (Zero Headspace)	COD, NH_3, NO_3, TKN	TCL SVOC (8270), PCB, Pesticides	Total/Carbonate/Bicarbonate Alkalinity, Cl, NO_2, SO_4, TDS	TAL Metals	TAL Metals (Field Filtered)	Total Cyanide	Lab. ID No.	REMARKS
GW	1/25/18	9:30	MW-120	11	2	1	4	1	1	1	1	2	1	4	1	1	1	1	007	
GW	1/25/18	10:30	MW-120-B	11	2	1	4	1	1	1	1	2	1	4	1	1	1	1	008	
GW	1/25/18	11:00	MW-120B-MS	11	2	1	4	1	1	1	1	2	1	4	1	1	1	1	↓	
GW	1/25/18	10:45	MW-120B-MSD	11	2	1	4	1	1	1	1	2	1	4	1	1	1	1	↓	
GW	1/25/18	10:00	Blind Duplicate	11	2	1	4	1	1	1	1	2	1	4	1	1	1	1	009	
GW	1/25/18	7:45	MW-110	11	2	1	4	1	1	1	1	2	1	4	1	1	1	1	010	
GW	1/25/18	9:00	MW-104	11	2	1	4	1	1	1	1	2	1	4	1	1	1	1	011	

Notes:

CAT B - NY QA/QC

Relinquished by: (Signature)	Date:	Time:	Received by:	Date:	Time:
	1/25/18	1:15		1/25/18	13:15
Representing: Stratis			Representing:		
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	1/25/18	17:41		1/25/18	17:41
Representing:			Representing: PACE		
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Representing:			Representing:		
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Representing:			Representing:		

Laboratory Use Only

Samples were:
1. Shipped___ or Hand Delivered X Airbill#_____
2. Ambient or (Chilled) Temperature _____
3. Properly preserved (Yes) or No

COC Tape was:
1. Present on outer package: Yes or No
2. Unbroken on outer package: Yes or No

Pace Analytical

Sample Condition Upon Receipt

WO#:7041247
PM: JSA Due Date: 01/31/18
CLIENT: STRATIS

Client Name: Stratis Projec

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☐ No Seals intact: ☐ Yes ☐ No

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☐ None ☐ Other Type of Ice: (Wet) Blue None

Thermometer Used: TH092 Correction Factor: +0.0 ☐ Samples on ice, cooling process has begun

Cooler Temperature (°C): 2.3/2.5/2.8 Cooler Temperature Corrected (°C): 2.3/2.5/2.8 Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C 1.9 1.9

USDA Regulated Soil (☐ N/A, water sample) Date and Initials of person examining contents: JP 1/25/18

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ YES ☐ NO

Did samples orignate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	☑Yes	☐No		1.
Chain of Custody Filled Out:	☑Yes	☐No		2.
Chain of Custody Relinquished:	☑Yes	☐No		3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☑Yes	☐No		5.
Short Hold Time Analysis (<72hr):	☑Yes	☐No		6.
Rush Turn Around Time Requested:	☐Yes	☑No		7.
Sufficient Volume: (Triple volume provided for MS/MSD)	☑Yes	☐No		8.
Correct Containers Used:	☑Yes	☐No		9.
-Pace Containers Used:	☑Yes	☐No		
Containers Intact:	☑Yes	☐No		10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☑Yes	☐No		12.
-Includes date/time/ID/Analysis Matrix SL (WT) OIL				
All containers needing preservation have been checked	☑Yes	☐No	☐N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot # HC601354				
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NaOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	☑Yes	☐No	☐N/A	Sample #
				Initial when completed: / Lot # of added preservative: / Date/Time preservative added
Samples checked for dechlorination:	☐Yes	☐No	☑N/A	14.
Residual chlorine strips Lot #				Positive for Res. Chlorine? Y N
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A	15.
Trip Blank Present:	☐Yes	☐No	☐N/A	16.
Trip Blank Custody Seals Present	☐Yes	☐No	☐N/A	
Pace Trip Blank Lot # (if applicable):				

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

* PM (Project Manager) review is documented electronically in LIMS.

E: Annalytical Results for Leachate Sampling

Table 5: Leachate Analytical Data

Date Sampled:		3-Jan	21-Feb	20-Mar	11-Apr	8-May	12-Jun	24-Jul	17-Aug
Metals									
Cadmium as Cd	ug/L	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Chromium as Cr	ug/L	<10	<10	<10	<10	<10	<10	<10	<10
Chromium hex as Cr	mg/L	<0.02	<0.02	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02
Copper as Cu	ug/L	<25	<25	<25	<25	<25	<25	<25	55
Lead as Pb	ug/L	<5	<5	<5	<5	<5	<5.0	<5.0	6.8
Mercury as Hg	ug/L	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Molybdenum as Mo	ug/L	<20	<20	<20	<20	<20	<20	<20	<20
Nickel as Ni	ug/L	<40	<40	<40	<40	<40	<40	<40	<40
Silver as Ag	ug/L	<10	<10	<10	<10	<10	<10	<10	<10
Zinc as Zn	ug/L	<20	<20	<20	<20	<20	<20	<20	54.2
PCBs									
Aroclor 1016	ug/L	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065
Aroclor 1221	ug/L	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065
Aroclor 1232	ug/L	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065
Aroclor 1242	ug/L	<0.065	<0.065	<0.065	<0.065	0.13	<0.065	<0.065	<0.065
Aroclor 1248	ug/L	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065
Aroclor 1254	ug/L	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065
Aroclor 1260	ug/L	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065
Cyanide									
CN amen.to chlorin.	ug/L	<10	<10	<10	<10	<10	<10	<10	<10
Cyanide as CN	ug/L	<10	<10	<10	<10	<10	<10	<10	<10
Carbonaceous BOD5	mg/L	10	6.6	<4	<4	5.7	<4	<4	<4
Chloride as Cl	mg/L	232	230	<200	171	<40	<100	<20.0	27.2
Nitrite as N	mg/L	0.56	0.28	0.18	0.22	<0.050	<0.050	<0.050	<0.050
Nitrate as N	mg/L	11.7	8.4	4.5	4.9	0.37	0.32	0.53	0.97
Tot. Kjeldahl N.	mg/L	39.6	3.3	16.7	24.5	75.9	64.5	31.8	18.8
Nitrogen, total as N	mg/L	51.4	11.7	21.2	29.4	76.3	64.8	32.4	19.8
Non-Polar Material									
GRAB #1 (7:00 AM)	mg/L	<5	<5.3	<5.1	<5.3	<5	<5	<5.3	<5
GRAB #2 (8:00 AM)	mg/L	<5	<5.3	<5.1	<5	<5	<5	<5	<5
GRAB #3 (9:00 AM)	mg/L	<5	<5	<5	<5.1	<5	<5	<5.4	<5
GRAB #4 (10:00 AM)	mg/L	<5	<5	<5.1	<5.1	<5	<5	<5	<5
TSS									
GRAB #1 (7:00 AM)	mg/L	10	<10	<10	<10	<10	<10	<10	<10
GRAB #2 (8:00 AM)	mg/L	13	<10	<10	<10	<10	<10	<10	<10
GRAB #3 (9:00 AM)	mg/L	10	<10	<10	<10	<10	<10	<10	<10
GRAB #4 (10:00 AM)	mg/L	10	<10	<10	<10	<10	<10	<10	<10
pH									
GRAB #1 (7:00 AM)	Standard Units	7.5	7.4	7.2	7.2	6.9	6.9	7.1	7.0
GRAB #2 (8:00 AM)		7.5	7.4	7.3	7.2	6.9	6.8	7.1	7.0
GRAB #3 (9:00 AM)		7.5	7.5	7.4	7.3	6.8	6.8	7.1	7.0
GRAB #4 (10:00 AM)		7.6	7.5	7.3	7.3	6.9	6.9	7.1	7.0

Table 5: Leachate Analytical Data

Volatile Organic Compounds

Date Sampled		3-Jan	21-Feb	20-Mar	11-Apr	8-May	12-Jun	24-Jul	17-Aug
1,1,1-Trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2,2,-Tetrachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1,2-Trichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,1-Dichloroethene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
1,2-Dichloroethene (total)	ug/L	<5	<1	<1	<5	<1	<1	<1	<1
1,2-Dichloropropane	ug/L	<5	<1	<1	<5	<1	<1	<1	<1
1,3 Dichlorobenzene	ug/L	<5	<1	<1	<5	<1	<1	<1	<1
1,4-Dichlorobenzene	ug/L	1.3	<1	<1	1.3	2.7	1.6	<1	<1
2-Butanone (MEK)	ug/L	12.9	<5	9.8	8.6	9.2	5.4	<5	<5
2-Hexanone	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
4-Methyl-2-pentanone (MIBK)	ug/L	<5	<5	<5	<5	<5	<5	<5	<5
Acetone	ug/L	49.2	<5	20.7	41.1	30.9	19.9	9.4	23.0
Benzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Disulfide	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Tetrachloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,3 Dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Dibromochloromethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
m&p Xylene	ug/L	1.2	<1	<1	<1	<1	<1	<1	<1
Methylene Chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Methyl-tert-butyl ether (MTBE)	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
o-Xylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	ug/L	1.3	<1	<1	<1	1.3	<1	<1	<1
trans-1,3 Dichloropropene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Trichloroethene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Chloride	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Xylene (Total)	ug/L	1.2	<1	<1	<1	<1	<1	<1	<1

Table 5: Leachate Analytical Data

SemiVolatile Organic Compounds

Date Sampled		3-Jan	21-Feb	20-Mar	11-Apr	8-May	12-Jun	24-Jul	17-Aug
1,2 Dichlorobenzene(sv)	ug/L	<1	<1	<1	<1	<1	<1	<1	
1,2,4-Trichlorobenzene (sv)	ug/L	<1	<1	<1	<1	<1	<1	<1	<10
1,3 Dichlorobenzene(sv)	ug/L	<1	<1	<1	<1	<1	<1	<1	
1,4 Dichlorobenzene(sv)	ug/L	<1	<1	<1	<1	<1	1.6	<1	
2,4,5-Trichlorophenol	ug/L	<1	<1	<1	<1	<1	<1	<1	<10
2,4,6-Trichlorophenol	ug/L	<1	<1	<1	<1	<1	<1	<1	<10
2,4-Dichlorophenol	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
2,4-Dimethylphenol	ug/L	<5	<1	<5	<5	<1	<5	<5	<10
2,4-Dinitrophenol	ug/L	<5	<5	<5	<5	<5	<5	<5	<10
2,4-Dinitrotoluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<10
2,6-Dinitrotoluene	ug/L	<1	<1	<1	<1	<1	<1	<1	<10
2-Chloronaphthalene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
2-Chlorophenol	ug/L	<1	<1	<1	<1	<1	<1	<1	<10
2-Methyl-4,6-dinitrophenol	ug/L	<5	<5	<5	<5	<5	<5	<5	<10
2-Methylnaphthalene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
2-Methylphenol (o-cresol)	ug/L	<1	<1	<1	<1	2.1	<1	<1	<10
2-Nitroaniline	ug/L	<1	<1	<1	<1	<1	<1	<1	<10
2-Nitrophenol	ug/L	<1	<1	<1	<1	<1	<1	<1	<10
3,3'-Dichlorobenzidine	ug/L	<1	<1	<1	<1	<1	<1	<1	<10
3-Nitroaniline	ug/L	<1	<1	<1	<1	<1	<1	<1	<10
4-Bromophenyl phenyl ether	ug/L	<1	<1	<1	<1	<1	<1	<1	<10
4-Chloro-3-methylphenol	ug/L	<1	<1	<1	<1	<1	<1	<1	<10
4-Chloroaniline	ug/L	<1	<1	<1	<1	<1	<1	<1	<10
4-Chlorophenyl phenyl ether	ug/L	<1	<1	<1	<1	<1	<1	<1	<10
3&4-Methylphenol (m&p-cresol)	ug/L	7.5	<1	10.6	14.6	1.9	11.8	<1	<10
4-Nitroaniline	ug/L	<1	<1	<1	<1	<1	<1	<1	<10
4-Nitrophenol	ug/L	<5	<5	<5	<5	<5	<5	<5	<10
Acenaphthene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Acenaphthylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Anthracene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)anthracene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(a)pyrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(b)fluoranthene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(g,h,i)perylene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Benzo(k)fluoranthene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
BenzylButylPhthalate	ug/L	3.3	2.2	2.8	1.9	<1	<1	<1	<3
Bis(2-chloroethoxy)methane	ug/L	<1	<1	<1	<1	<1	<1	<1	<10
Bis(2-chloroethyl)ether	ug/L	<1	<1	<1	<1	<1	<1	<1	<10
2,2'-Oxybis(1-chloropropane)	ug/L	<1	<1	<1	<1	<1	<1	<1	<10
Bis(2-ethylhexyl)phthalate	ug/L	<1	<1	<1	<1	<1	1.0	<1	<3

Table 5: Leachate Analytical Data

SemiVolatile Organic Compounds

Date Sampled		3-Jan	21-Feb	20-Mar	11-Apr	8-May	12-Jun	24-Jul	17-Aug
Carbazole	ug/L	<1	<1	<1	<1	<1	<1	<1	<10
Chrysene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Dibenzo(a,h)anthracene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Diethyl Phthalate	ug/L	<1	<1	<1	<1	<1	<1	<1	<3
Dimethyl Phthalate	ug/L	<1	<1	<1	<1	<1	<1	<1	<3
Di-n-Butyl Phthalate	ug/L	<1	<1	<1	<1	<1	<1	<1	<3
Di-n-octyl Phthalate	ug/L	<1	<1	<1	<1	<1	<1	<1	<3
Fluoranthene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Fluorene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Hexachlorobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Hexachlorobutadiene	ug/L	<1	<1	<1	<1	<1	<1	<1	<10
Hexachlorocyclopentadiene	ug/L	<1	<1	<5	<1	<1	<5	<5	<10
Hexachloroethane	ug/L	<1	<1	<1	<1	<1	<1	<1	<10
Indeno(1,2,3-cd)pyrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Isophorone	ug/L	<1	<1	<1	<1	<1	<1	<1	<10
Naphthalene(sv)	ug/L	1.3	<1	1.4	2.3	5.3	3.6	<1	<1
Nitrobenzene	ug/L	<1	<1	<1	<1	<1	<1	<1	<10
N-Nitrosodi-n-propylamine	ug/L	<1	<1	<1	<1	<1	<1	<1	<10
N-Nitrosodiphenylamine	ug/L	<1	<1	<1	<1	<1	<1	<1	<10
Pentachlorophenol (ms)	ug/L	<5	<5	<5	<5	<5	<5	<5	<10
Phenanthrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1
Phenol	ug/L	<1	<1	<1	<1	<1	<1	<1	<10
Pyrene	ug/L	<1	<1	<1	<1	<1	<1	<1	<1

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

January 15, 2018

Vincent G. Pelusio
Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566

RE: Project: M1, PELHAM BAY JAN
Pace Project No.: 7039536

Dear Vincent Pelusio:
Enclosed are the analytical results for sample(s) received by the laboratory on January 03, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Jennifer Aracri
jennifer.aracri@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: Emile Mclean, Stratis Contracting Corp.
Keith Robinson, Stratis Contracting Corp.

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Melville, NY 11747
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CERTIFICATIONS

Project: M1, PELHAM BAY JAN
Pace Project No.: 7039536

Long Island Certification IDs

575 Broad Hollow Rd, Melville, NY 11747
New York Certification #: 10478 Primary Accrediting Body
New Jersey Certification #: NY158
Pennsylvania Certification #: 68-00350
Connecticut Certification #: PH-0435
Maryland Certification #: 208
Rhode Island Certification #: LAO00340
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: M1, PELHAM BAY JAN
Pace Project No.: 7039536

Sample: M1-8:00-GRAB #1 **Lab ID: 7039536001** Collected: 01/03/18 08:00 Received: 01/03/18 11:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	**<5.0**	mg/L	5.0	1		01/10/18 18:11		
2540D Total Suspended Solids	Analytical Method: SM22 2540D							
Total Suspended Solids	**10.0**	mg/L	10.0	1		01/05/18 17:54		
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B							
pH at 25 Degrees C	**7.5**	Std. Units	0.10	1		01/03/18 17:11		H3,H6, N3

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ANALYTICAL RESULTS

Project: M1, PELHAM BAY JAN
Pace Project No.: 7039536

Sample: M1-9:00-GRAB #2 **Lab ID: 7039536002** Collected: 01/03/18 09:00 Received: 01/03/18 11:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	**<5.0**	mg/L	5.0	1		01/10/18 18:11		
2540D Total Suspended Solids	Analytical Method: SM22 2540D							
Total Suspended Solids	**13.0**	mg/L	10.0	1		01/05/18 17:54		
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B							
pH at 25 Degrees C	**7.5**	Std. Units	0.10	1		01/03/18 17:14		H3,H6, N3

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ANALYTICAL RESULTS

Project: M1, PELHAM BAY JAN
Pace Project No.: 7039536

Sample: M1-10:00-GRAB #3 **Lab ID: 7039536003** Collected: 01/03/18 10:00 Received: 01/03/18 11:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	**<5.0**	mg/L	5.0	1		01/11/18 14:20		
2540D Total Suspended Solids	Analytical Method: SM22 2540D							
Total Suspended Solids	**10.0**	mg/L	10.0	1		01/05/18 17:54		
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B							
pH at 25 Degrees C	**7.5**	Std. Units	0.10	1		01/03/18 17:14		H3,H6, N3

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ANALYTICAL RESULTS

Project: M1, PELHAM BAY JAN
Pace Project No.: 7039536

Sample: M1-11:00-GRAB #4 **Lab ID: 7039536004** Collected: 01/03/18 11:00 Received: 01/03/18 11:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	**<5.0**	mg/L	5.0	1		01/11/18 14:20		
2540D Total Suspended Solids	Analytical Method: SM22 2540D							
Total Suspended Solids	**10.0**	mg/L	10.0	1		01/05/18 17:58		
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B							
pH at 25 Degrees C	**7.6**	Std. Units	0.10	1		01/03/18 17:16		H3,H6, N3

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: M1, PELHAM BAY JAN
Pace Project No.: 7039536

Sample: M1-24HR FIELD COMPOSITE **Lab ID: 7039536005** Collected: 01/03/18 11:00 Received: 01/03/18 11:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
608 GCS PCB LOW	Analytical Method: EPA 608 Preparation Method: EPA 608							
PCB-1016 (Aroclor 1016)	**<0.065**	ug/L	0.065	1	01/10/18 22:20	01/12/18 03:10	12674-11-2	
PCB-1221 (Aroclor 1221)	**<0.065**	ug/L	0.065	1	01/10/18 22:20	01/12/18 03:10	11104-28-2	
PCB-1232 (Aroclor 1232)	**<0.065**	ug/L	0.065	1	01/10/18 22:20	01/12/18 03:10	11141-16-5	
PCB-1242 (Aroclor 1242)	**<0.065**	ug/L	0.065	1	01/10/18 22:20	01/12/18 03:10	53469-21-9	
PCB-1248 (Aroclor 1248)	**<0.065**	ug/L	0.065	1	01/10/18 22:20	01/12/18 03:10	12672-29-6	
PCB-1254 (Aroclor 1254)	**<0.065**	ug/L	0.065	1	01/10/18 22:20	01/12/18 03:10	11097-69-1	
PCB-1260 (Aroclor 1260)	**<0.065**	ug/L	0.065	1	01/10/18 22:20	01/12/18 03:10	11096-82-5	M1
Surrogates								
Tetrachloro-m-xylene (S)	62	%	10-149	1	01/10/18 22:20	01/12/18 03:10	877-09-8	
Decachlorobiphenyl (S)	74	%	10-149	1	01/10/18 22:20	01/12/18 03:10	2051-24-3	
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Cadmium	**<2.5**	ug/L	2.5	1	01/05/18 09:27	01/06/18 15:25	7440-43-9	
Chromium	**<10.0**	ug/L	10.0	1	01/05/18 09:27	01/06/18 15:25	7440-47-3	
Copper	**<25.0**	ug/L	25.0	1	01/05/18 09:27	01/06/18 15:25	7440-50-8	
Lead	**<5.0**	ug/L	5.0	1	01/05/18 09:27	01/06/18 15:25	7439-92-1	
Molybdenum	**<20.0**	ug/L	20.0	1	01/05/18 09:27	01/06/18 15:25	7439-98-7	
Nickel	**<40.0**	ug/L	40.0	1	01/05/18 09:27	01/06/18 15:25	7440-02-0	
Silver	**<10.0**	ug/L	10.0	1	01/05/18 09:27	01/06/18 15:25	7440-22-4	
Zinc	**<20.0**	ug/L	20.0	1	01/05/18 09:27	01/06/18 15:25	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	**<0.20**	ug/L	0.20	1	01/05/18 09:29	01/10/18 16:43	7439-97-6	
625 MSSV	Analytical Method: EPA 625 Preparation Method: EPA 625 SF							
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1	01/05/18 15:13	01/06/18 19:55	120-82-1	
2,2'-Oxybis(1-chloropropane)	**<1.0**	ug/L	1.0	1	01/05/18 15:13	01/06/18 19:55	108-60-1	
2,4,5-Trichlorophenol	**<1.0**	ug/L	1.0	1	01/05/18 15:13	01/06/18 19:55	95-95-4	
2,4,6-Trichlorophenol	**<1.0**	ug/L	1.0	1	01/05/18 15:13	01/06/18 19:55	88-06-2	
2,4-Dichlorophenol	**<1.0**	ug/L	1.0	1	01/05/18 15:13	01/06/18 19:55	120-83-2	
2,4-Dimethylphenol	**<5.0**	ug/L	5.0	1	01/05/18 15:13	01/06/18 19:55	105-67-9	
2,4-Dinitrophenol	**<5.0**	ug/L	5.0	1	01/05/18 15:13	01/06/18 19:55	51-28-5	IC,L1
2,4-Dinitrotoluene	**<1.0**	ug/L	1.0	1	01/05/18 15:13	01/06/18 19:55	121-14-2	
2,6-Dinitrotoluene	**<1.0**	ug/L	1.0	1	01/05/18 15:13	01/06/18 19:55	606-20-2	
2-Chloronaphthalene	**<1.0**	ug/L	1.0	1	01/05/18 15:13	01/06/18 19:55	91-58-7	
2-Chlorophenol	**<1.0**	ug/L	1.0	1	01/05/18 15:13	01/06/18 19:55	95-57-8	
2-Methylnaphthalene	**<1.0**	ug/L	1.0	1	01/05/18 15:13	01/06/18 19:55	91-57-6	N3
2-Methylphenol(o-Cresol)	**<1.0**	ug/L	1.0	1	01/05/18 15:13	01/06/18 19:55	95-48-7	
2-Nitroaniline	**<1.0**	ug/L	1.0	1	01/05/18 15:13	01/06/18 19:55	88-74-4	N3
2-Nitrophenol	**<1.0**	ug/L	1.0	1	01/05/18 15:13	01/06/18 19:55	88-75-5	
3&4-Methylphenol(m&p Cresol)	**7.5**	ug/L	1.0	1	01/05/18 15:13	01/06/18 19:55		
3,3'-Dichlorobenzidine	**<1.0**	ug/L	1.0	1	01/05/18 15:13	01/06/18 19:55	91-94-1	
3-Nitroaniline	**<1.0**	ug/L	1.0	1	01/05/18 15:13	01/06/18 19:55	99-09-2	N3
4,6-Dinitro-2-methylphenol	**<5.0**	ug/L	5.0	1	01/05/18 15:13	01/06/18 19:55	534-52-1	
4-Bromophenylphenyl ether	**<1.0**	ug/L	1.0	1	01/05/18 15:13	01/06/18 19:55	101-55-3	
4-Chloro-3-methylphenol	**<1.0**	ug/L	1.0	1	01/05/18 15:13	01/06/18 19:55	59-50-7	

REPORT OF LABORATORY ANALYSIS

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: M1, PELHAM BAY JAN
Pace Project No.: 7039536

Sample: M1-24HR FIELD COMPOSITE **Lab ID: 7039536005** Collected: 01/03/18 11:00 Received: 01/03/18 11:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV	Analytical Method: EPA 625 Preparation Method: EPA 625 SF							
4-Chloroaniline	**<1.0**	ug/L	1.0	1	01/05/18 15:13	01/06/18 19:55	106-47-8	N3
4-Chlorophenylphenyl ether	**<1.0**	ug/L	1.0	1	01/05/18 15:13	01/06/18 19:55	7005-72-3	
4-Nitroaniline	**<1.0**	ug/L	1.0	1	01/05/18 15:13	01/06/18 19:55	100-01-6	N3
4-Nitrophenol	**<5.0**	ug/L	5.0	1	01/05/18 15:13	01/06/18 19:55	100-02-7	
Acenaphthene	**<1.0**	ug/L	1.0	1	01/05/18 15:13	01/06/18 19:55	83-32-9	
Acenaphthylene	**<1.0**	ug/L	1.0	1	01/05/18 15:13	01/06/18 19:55	208-96-8	
Anthracene	**<1.0**	ug/L	1.0	1	01/05/18 15:13	01/06/18 19:55	120-12-7	
Benzo(a)anthracene	**<1.0**	ug/L	1.0	1	01/05/18 15:13	01/06/18 19:55	56-55-3	
Benzo(a)pyrene	**<1.0**	ug/L	1.0	1	01/05/18 15:13	01/06/18 19:55	50-32-8	
Benzo(b)fluoranthene	**<1.0**	ug/L	1.0	1	01/05/18 15:13	01/06/18 19:55	205-99-2	
Benzo(g,h,i)perylene	**<1.0**	ug/L	1.0	1	01/05/18 15:13	01/06/18 19:55	191-24-2	
Benzo(k)fluoranthene	**<1.0**	ug/L	1.0	1	01/05/18 15:13	01/06/18 19:55	207-08-9	
Butylbenzylphthalate	**3.3**	ug/L	1.0	1	01/05/18 15:13	01/06/18 19:55	85-68-7	
Carbazole	**<1.0**	ug/L	1.0	1	01/05/18 15:13	01/06/18 19:55	86-74-8	
Chrysene	**<1.0**	ug/L	1.0	1	01/05/18 15:13	01/06/18 19:55	218-01-9	
Di-n-butylphthalate	**<1.0**	ug/L	1.0	1	01/05/18 15:13	01/06/18 19:55	84-74-2	
Di-n-octylphthalate	**<1.0**	ug/L	1.0	1	01/05/18 15:13	01/06/18 19:55	117-84-0	
Dibenz(a,h)anthracene	**<1.0**	ug/L	1.0	1	01/05/18 15:13	01/06/18 19:55	53-70-3	
Diethylphthalate	**<1.0**	ug/L	1.0	1	01/05/18 15:13	01/06/18 19:55	84-66-2	
Dimethylphthalate	**<1.0**	ug/L	1.0	1	01/05/18 15:13	01/06/18 19:55	131-11-3	
Fluoranthene	**<1.0**	ug/L	1.0	1	01/05/18 15:13	01/06/18 19:55	206-44-0	
Fluorene	**<1.0**	ug/L	1.0	1	01/05/18 15:13	01/06/18 19:55	86-73-7	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1	01/05/18 15:13	01/06/18 19:55	87-68-3	
Hexachlorobenzene	**<1.0**	ug/L	1.0	1	01/05/18 15:13	01/06/18 19:55	118-74-1	
Hexachlorocyclopentadiene	**<5.0**	ug/L	5.0	1	01/05/18 15:13	01/06/18 19:55	77-47-4	CL,IC,L1
Hexachloroethane	**<1.0**	ug/L	1.0	1	01/05/18 15:13	01/06/18 19:55	67-72-1	
Indeno(1,2,3-cd)pyrene	**<1.0**	ug/L	1.0	1	01/05/18 15:13	01/06/18 19:55	193-39-5	
Isophorone	**<1.0**	ug/L	1.0	1	01/05/18 15:13	01/06/18 19:55	78-59-1	
N-Nitroso-di-n-propylamine	**<1.0**	ug/L	1.0	1	01/05/18 15:13	01/06/18 19:55	621-64-7	
N-Nitrosodiphenylamine	**<1.0**	ug/L	1.0	1	01/05/18 15:13	01/06/18 19:55	86-30-6	
Naphthalene	**1.3**	ug/L	1.0	1	01/05/18 15:13	01/06/18 19:55	91-20-3	
Nitrobenzene	**<1.0**	ug/L	1.0	1	01/05/18 15:13	01/06/18 19:55	98-95-3	
Pentachlorophenol	**<5.0**	ug/L	5.0	1	01/05/18 15:13	01/06/18 19:55	87-86-5	
Phenanthrene	**<1.0**	ug/L	1.0	1	01/05/18 15:13	01/06/18 19:55	85-01-8	
Phenol	**<1.0**	ug/L	1.0	1	01/05/18 15:13	01/06/18 19:55	108-95-2	
Pyrene	**<1.0**	ug/L	1.0	1	01/05/18 15:13	01/06/18 19:55	129-00-0	
bis(2-Chloroethoxy)methane	**<1.0**	ug/L	1.0	1	01/05/18 15:13	01/06/18 19:55	111-91-1	
bis(2-Chloroethyl) ether	**<1.0**	ug/L	1.0	1	01/05/18 15:13	01/06/18 19:55	111-44-4	
bis(2-Ethylhexyl)phthalate	**<1.0**	ug/L	1.0	1	01/05/18 15:13	01/06/18 19:55	117-81-7	
Surrogates								
2-Fluorophenol (S)	41	%	21-110	1	01/05/18 15:13	01/06/18 19:55	367-12-4	
Phenol-d5 (S)	30	%	10-110	1	01/05/18 15:13	01/06/18 19:55	4165-62-2	
Nitrobenzene-d5 (S)	60	%	35-114	1	01/05/18 15:13	01/06/18 19:55	4165-60-0	
2-Fluorobiphenyl (S)	67	%	43-116	1	01/05/18 15:13	01/06/18 19:55	321-60-8	
2,4,6-Tribromophenol (S)	87	%	10-123	1	01/05/18 15:13	01/06/18 19:55	118-79-6	
p-Terphenyl-d14 (S)	59	%	33-141	1	01/05/18 15:13	01/06/18 19:55	1718-51-0	

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ANALYTICAL RESULTS

Project: M1, PELHAM BAY JAN
Pace Project No.: 7039536

Sample: M1-24HR FIELD COMPOSITE **Lab ID: 7039536005** Collected: 01/03/18 11:00 Received: 01/03/18 11:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV	Analytical Method: EPA 625 Preparation Method: EPA 625 SF							
Surrogates								
1,2-Dichlorobenzene-d4 (S)	55	%	16-110	1	01/05/18 15:13	01/06/18 19:55	2199-69-1	
2-Chlorophenol-d4 (S)	64	%	33-110	1	01/05/18 15:13	01/06/18 19:55	93951-73-6	
Chromium, Hexavalent	Analytical Method: SM22 3500-Cr B							
Chromium, Hexavalent	**<0.020**	mg/L	0.020	1		01/03/18 13:50	18540-29-9	
5210B cBOD, 5 day	Analytical Method: SM22 5210B Preparation Method: SM22 5210B							
Carbonaceous BOD, 5 day	**10.0**	mg/L	4.0	2	01/03/18 16:27	01/08/18 12:41		
Total Nitrogen Calculation	Analytical Method: SM22 4500-N							
Total Nitrogen	**51.4**	mg/L	0.10	1		01/11/18 14:18		
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	**39.6**	mg/L	1.0	10	01/11/18 06:18	01/11/18 13:36	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrate-Nitrite (as N)	**11.7**	mg/L	0.50	10		01/04/18 02:40	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**0.56**	mg/L	0.050	1		01/03/18 20:17	14797-65-0	
4500 Chloride	Analytical Method: SM22 4500-Cl-E							
Chloride	**232**	mg/L	200	100		01/05/18 11:29	16887-00-6	

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ANALYTICAL RESULTS

Project: M1, PELHAM BAY JAN
Pace Project No.: 7039536

Sample: M1-GRAB COMPOSITE **Lab ID: 7039536006** Collected: 01/03/18 11:00 Received: 01/03/18 11:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 Volatile Organics	Analytical Method: EPA 624							
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		01/05/18 12:52	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		01/05/18 12:52	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		01/05/18 12:52	79-00-5	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		01/05/18 12:52	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		01/05/18 12:52	75-35-4	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		01/05/18 12:52	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		01/05/18 12:52	107-06-2	
1,2-Dichloroethene (Total)	**<1.0**	ug/L	1.0	1		01/05/18 12:52	540-59-0	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		01/05/18 12:52	78-87-5	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		01/05/18 12:52	541-73-1	
1,4-Dichlorobenzene	**1.3**	ug/L	1.0	1		01/05/18 12:52	106-46-7	
2-Butanone (MEK)	**12.9**	ug/L	5.0	1		01/05/18 12:52	78-93-3	CL,N3
2-Hexanone	**<5.0**	ug/L	5.0	1		01/05/18 12:52	591-78-6	N3
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		01/05/18 12:52	108-10-1	N3
Acetone	**49.2**	ug/L	5.0	1		01/05/18 12:52	67-64-1	CH,L1
Benzene	**<1.0**	ug/L	1.0	1		01/05/18 12:52	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		01/05/18 12:52	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		01/05/18 12:52	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		01/05/18 12:52	74-83-9	
Carbon disulfide	**<1.0**	ug/L	1.0	1		01/05/18 12:52	75-15-0	N3
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		01/05/18 12:52	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		01/05/18 12:52	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		01/05/18 12:52	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		01/05/18 12:52	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		01/05/18 12:52	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		01/05/18 12:52	124-48-1	
Ethylbenzene	**<1.0**	ug/L	1.0	1		01/05/18 12:52	100-41-4	
Methyl-tert-butyl ether	**<1.0**	ug/L	1.0	1		01/05/18 12:52	1634-04-4	
Methylene Chloride	**<1.0**	ug/L	1.0	1		01/05/18 12:52	75-09-2	
Styrene	**<1.0**	ug/L	1.0	1		01/05/18 12:52	100-42-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		01/05/18 12:52	127-18-4	
Toluene	**1.3**	ug/L	1.0	1		01/05/18 12:52	108-88-3	
Trichloroethene	**<1.0**	ug/L	1.0	1		01/05/18 12:52	79-01-6	
Vinyl chloride	**<1.0**	ug/L	1.0	1		01/05/18 12:52	75-01-4	
Xylene (Total)	**1.2**	ug/L	1.0	1		01/05/18 12:52	1330-20-7	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		01/05/18 12:52	10061-01-5	
m&p-Xylene	**1.2**	ug/L	1.0	1		01/05/18 12:52	179601-23-1	
o-Xylene	**<1.0**	ug/L	1.0	1		01/05/18 12:52	95-47-6	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		01/05/18 12:52	10061-02-6	
Surrogates								
4-Bromofluorobenzene (S)	108	%	79-124	1		01/05/18 12:52	460-00-4	
Toluene-d8 (S)	96	%	69-124	1		01/05/18 12:52	2037-26-5	
1,2-Dichloroethane-d4 (S)	104	%	68-153	1		01/05/18 12:52	17060-07-0	
SM 4500 CNE Cyanide, Total	Analytical Method: SM22 4500-CN-E Preparation Method: SM20/22 4500-CN-C							
Cyanide	**<10.0**	ug/L	10.0	1	01/08/18 12:48	01/08/18 20:16	57-12-5	

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ANALYTICAL RESULTS

Project: M1, PELHAM BAY JAN
Pace Project No.: 7039536

Sample: M1-GRAB COMPOSITE **Lab ID: 7039536006** Collected: 01/03/18 11:00 Received: 01/03/18 11:35 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500CNG Cyanide, Amenable	Analytical Method: SM22 4500-CN-E Preparation Method: SM22 4500-CN-G							
Amenable Cyanide	**<10.0**	ug/L	10.0	1	01/08/18 20:44	01/08/18 20:45	57-12-5	

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QUALITY CONTROL DATA

Project: M1, PELHAM BAY JAN
Pace Project No.: 7039536

QC Batch: 51937
QC Batch Method: EPA 245.1
Analysis Method: EPA 245.1
Analysis Description: 245.1 Mercury
Associated Lab Samples: 7039536005

METHOD BLANK: 240293 Matrix: Water
Associated Lab Samples: 7039536005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.20	0.20	01/10/18 16:30	

LABORATORY CONTROL SAMPLE: 240294

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	1	1.1	114	85-115	

MATRIX SPIKE SAMPLE: 240295

Parameter	Units	7039567001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	<0.00020 mg/L	1	1.1	111	70-130	

SAMPLE DUPLICATE: 240296

Parameter	Units	7039567001 Result	Dup Result	RPD	Qualifiers
Mercury	ug/L	<0.00020 mg/L	<0.20		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: M1, PELHAM BAY JAN
Pace Project No.: 7039536

QC Batch: 51934
QC Batch Method: EPA 200.7
Analysis Method: EPA 200.7
Analysis Description: 200.7 Metals, Total
Associated Lab Samples: 7039536005

METHOD BLANK: 240281 Matrix: Water
Associated Lab Samples: 7039536005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cadmium	ug/L	<2.5	2.5	01/06/18 13:53	
Chromium	ug/L	<10.0	10.0	01/06/18 13:53	
Copper	ug/L	<25.0	25.0	01/06/18 13:53	
Lead	ug/L	<5.0	5.0	01/06/18 13:53	
Molybdenum	ug/L	<20.0	20.0	01/06/18 13:53	
Nickel	ug/L	<40.0	40.0	01/06/18 13:53	
Silver	ug/L	<10.0	10.0	01/06/18 13:53	
Zinc	ug/L	<20.0	20.0	01/06/18 13:53	

LABORATORY CONTROL SAMPLE: 240282

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cadmium	ug/L	50	51.7	103	85-115	
Chromium	ug/L	250	261	104	85-115	
Copper	ug/L	250	263	105	85-115	
Lead	ug/L	500	526	105	85-115	
Molybdenum	ug/L	500	517	103	85-115	
Nickel	ug/L	250	264	106	85-115	
Silver	ug/L	250	240	96	85-115	
Zinc	ug/L	1000	1030	103	85-115	

MATRIX SPIKE SAMPLE: 240284

Parameter	Units	7039640001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cadmium	ug/L	<2.5	50	49.8	99	70-130	
Chromium	ug/L	<10.0	250	254	100	70-130	
Copper	ug/L	<25.0	250	268	103	70-130	
Lead	ug/L	9.6	500	508	100	70-130	
Molybdenum	ug/L	<20.0	500	497	99	70-130	
Nickel	ug/L	<40.0	250	260	101	70-130	
Silver	ug/L	<10.0	250	224	89	70-130	
Zinc	ug/L	<0.020 mg/L	1000	1050	103	70-130	

SAMPLE DUPLICATE: 240283

Parameter	Units	7039640001 Result	Dup Result	RPD	Qualifiers
Cadmium	ug/L	<2.5	<2.5		

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QUALITY CONTROL DATA

Project: M1, PELHAM BAY JAN
Pace Project No.: 7039536

SAMPLE DUPLICATE: 240283

Parameter	Units	7039640001 Result	Dup Result	RPD	Qualifiers
Chromium	ug/L	<10.0	<10.0		
Copper	ug/L	<25.0	<25.0		
Lead	ug/L	9.6	10	4	
Molybdenum	ug/L	<20.0	<20.0		
Nickel	ug/L	<40.0	<40.0		
Silver	ug/L	<10.0	<10.0		
Zinc	ug/L	<0.020 mg/L	<20.0		

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QUALITY CONTROL DATA

Project: M1, PELHAM BAY JAN
Pace Project No.: 7039536

QC Batch: 52015
QC Batch Method: EPA 624
Analysis Method: EPA 624
Analysis Description: 624 MSV
Associated Lab Samples: 7039536006

METHOD BLANK: 240738
Matrix: Water
Associated Lab Samples: 7039536006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	01/05/18 10:59	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	01/05/18 10:59	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	01/05/18 10:59	
1,1-Dichloroethane	ug/L	<1.0	1.0	01/05/18 10:59	
1,1-Dichloroethene	ug/L	<1.0	1.0	01/05/18 10:59	
1,2-Dichlorobenzene	ug/L	<1.0	1.0	01/05/18 10:59	
1,2-Dichloroethane	ug/L	<1.0	1.0	01/05/18 10:59	
1,2-Dichloroethene (Total)	ug/L	<1.0	1.0	01/05/18 10:59	
1,2-Dichloropropane	ug/L	<1.0	1.0	01/05/18 10:59	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	01/05/18 10:59	
1,4-Dichlorobenzene	ug/L	<1.0	1.0	01/05/18 10:59	
2-Butanone (MEK)	ug/L	<5.0	5.0	01/05/18 10:59	CL,N3
2-Hexanone	ug/L	<5.0	5.0	01/05/18 10:59	N3
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	01/05/18 10:59	N3
Acetone	ug/L	<5.0	5.0	01/05/18 10:59	
Benzene	ug/L	<1.0	1.0	01/05/18 10:59	
Bromodichloromethane	ug/L	<1.0	1.0	01/05/18 10:59	
Bromoform	ug/L	<1.0	1.0	01/05/18 10:59	
Bromomethane	ug/L	<1.0	1.0	01/05/18 10:59	
Carbon disulfide	ug/L	<1.0	1.0	01/05/18 10:59	N3
Carbon tetrachloride	ug/L	<1.0	1.0	01/05/18 10:59	
Chlorobenzene	ug/L	<1.0	1.0	01/05/18 10:59	
Chloroethane	ug/L	<1.0	1.0	01/05/18 10:59	
Chloroform	ug/L	<1.0	1.0	01/05/18 10:59	
Chloromethane	ug/L	<1.0	1.0	01/05/18 10:59	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	01/05/18 10:59	
Dibromochloromethane	ug/L	<1.0	1.0	01/05/18 10:59	
Ethylbenzene	ug/L	<1.0	1.0	01/05/18 10:59	
m&p-Xylene	ug/L	<1.0	1.0	01/05/18 10:59	
Methyl-tert-butyl ether	ug/L	<1.0	1.0	01/05/18 10:59	
Methylene Chloride	ug/L	<1.0	1.0	01/05/18 10:59	
o-Xylene	ug/L	<1.0	1.0	01/05/18 10:59	
Styrene	ug/L	<1.0	1.0	01/05/18 10:59	
Tetrachloroethene	ug/L	<1.0	1.0	01/05/18 10:59	
Toluene	ug/L	<1.0	1.0	01/05/18 10:59	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	01/05/18 10:59	
Trichloroethene	ug/L	<1.0	1.0	01/05/18 10:59	
Vinyl chloride	ug/L	<1.0	1.0	01/05/18 10:59	
Xylene (Total)	ug/L	<1.0	1.0	01/05/18 10:59	
1,2-Dichloroethane-d4 (S)	%	103	68-153	01/05/18 10:59	
4-Bromofluorobenzene (S)	%	107	79-124	01/05/18 10:59	

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QUALITY CONTROL DATA

Project: M1, PELHAM BAY JAN
Pace Project No.: 7039536

METHOD BLANK: 240738 Matrix: Water
Associated Lab Samples: 7039536006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene-d8 (S)	%	94	69-124	01/05/18 10:59	

LABORATORY CONTROL SAMPLE: 240739

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	22.3	111	52-162	
1,1,2,2-Tetrachloroethane	ug/L	20	19.9	99	60-138	
1,1,2-Trichloroethane	ug/L	20	23.3	116	52-150	
1,1-Dichloroethane	ug/L	20	22.3	111	49-155	
1,1-Dichloroethene	ug/L	20	22.6	113	10-234	
1,2-Dichlorobenzene	ug/L	20	19.8	99	18-190	
1,2-Dichloroethane	ug/L	20	25.5	127	49-155	
1,2-Dichloroethene (Total)	ug/L	40	48.1	120	49-112	
1,2-Dichloropropane	ug/L	20	21.9	109	10-210	
1,3-Dichlorobenzene	ug/L	20	19.7	98	59-156	
1,4-Dichlorobenzene	ug/L	20	19.9	100	18-190	
2-Butanone (MEK)	ug/L	20	17.5	88	36-168	CL,N3
2-Hexanone	ug/L	20	25.2	126	56-136	N3
4-Methyl-2-pentanone (MIBK)	ug/L	20	21.4	107	60-135	N3
Acetone	ug/L	20	37.1	185	35-139	CH,L1
Benzene	ug/L	20	22.6	113	37-151	
Bromodichloromethane	ug/L	20	23.5	117	33-155	
Bromoform	ug/L	20	18.2	91	45-169	
Bromomethane	ug/L	20	17.8	89	10-242	
Carbon disulfide	ug/L	20	20.7	104	61-126	N3
Carbon tetrachloride	ug/L	20	20.2	101	70-140	
Chlorobenzene	ug/L	20	20.6	103	37-160	
Chloroethane	ug/L	20	19.7	99	14-230	
Chloroform	ug/L	20	23.6	118	51-138	
Chloromethane	ug/L	20	14.0	70	20-273	
cis-1,3-Dichloropropene	ug/L	20	22.7	113	10-227	
Dibromochloromethane	ug/L	20	20.0	100	53-149	
Ethylbenzene	ug/L	20	20.7	104	37-162	
m&p-Xylene	ug/L	40	41.7	104	67-118	
Methyl-tert-butyl ether	ug/L	20	23.1	116	44-170	
Methylene Chloride	ug/L	20	21.0	105	10-221	
o-Xylene	ug/L	20	20.9	105	67-118	
Styrene	ug/L	20	21.5	108	50-150	
Tetrachloroethene	ug/L	20	19.9	100	64-148	
Toluene	ug/L	20	23.3	117	47-150	
trans-1,3-Dichloropropene	ug/L	20	23.2	116	17-183	
Trichloroethene	ug/L	20	23.7	119	71-157	
Vinyl chloride	ug/L	20	17.9	89	10-251	
Xylene (Total)	ug/L	60	62.6	104	56-147	

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QUALITY CONTROL DATA

Project: M1, PELHAM BAY JAN
Pace Project No.: 7039536

LABORATORY CONTROL SAMPLE: 240739

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane-d4 (S)	%			107	68-153	
4-Bromofluorobenzene (S)	%			110	79-124	
Toluene-d8 (S)	%			95	69-124	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 240740 240741

Parameter	Units	7039689005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,1,1-Trichloroethane	ug/L	<1.0	20	20	22.6	19.1	113	96	52-162	17	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	20	20	19.9	16.9	99	85	60-138	16	
1,1,2-Trichloroethane	ug/L	<1.0	20	20	21.0	17.7	105	88	52-150	17	
1,1-Dichloroethane	ug/L	6.7	20	20	28.1	24.6	107	89	49-155	13	
1,1-Dichloroethene	ug/L	<1.0	20	20	24.0	19.4	120	97	10-234	21	R1
1,2-Dichlorobenzene	ug/L	<1.0	20	20	22.2	19.1	111	96	18-190	15	
1,2-Dichloroethane	ug/L	<1.0	20	20	22.9	19.4	115	97	49-155	17	
1,2-Dichloroethene (Total)	ug/L	196	40	40	271	242	188	115	49-112	11	
1,2-Dichloropropane	ug/L	<1.0	20	20	20.1	17.0	101	85	10-210	17	
1,3-Dichlorobenzene	ug/L	<1.0	20	20	24.2	19.8	121	99	59-156	20	
1,4-Dichlorobenzene	ug/L	<1.0	20	20	23.8	19.6	119	98	18-190	20	
2-Butanone (MEK)	ug/L	<5.0	20	20	16.2	13.7	81	69	36-168	16	CL,N3
2-Hexanone	ug/L	<5.0	20	20	25.3	21.8	127	109	56-136	15	N3
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	20	20	18.0	15.1	90	76	60-135	17	N3
Acetone	ug/L	<5.0	20	20	36.6	33.2	183	166	35-139	10	CH,M0
Benzene	ug/L	<1.0	20	20	21.7	18.4	109	92	37-151	17	
Bromodichloromethane	ug/L	<1.0	20	20	21.1	18.3	105	91	33-155	14	
Bromoform	ug/L	<1.0	20	20	16.7	14.5	83	73	45-169	14	
Bromomethane	ug/L	<1.0	20	20	17.2	14.3	86	72	10-242	18	
Carbon disulfide	ug/L	<1.0	20	20	20.3	17.0	102	85	61-126	18	N3
Carbon tetrachloride	ug/L	<1.0	20	20	19.9	17.0	100	85	70-140	16	
Chlorobenzene	ug/L	<1.0	20	20	22.0	18.8	110	94	37-160	16	
Chloroethane	ug/L	<1.0	20	20	19.1	15.8	95	79	14-230	19	
Chloroform	ug/L	<1.0	20	20	22.2	18.7	111	94	51-138	17	
Chloromethane	ug/L	<1.0	20	20	12.8	10.5	64	53	20-273	20	
cis-1,3-Dichloropropene	ug/L	<1.0	20	20	20.1	17.4	100	87	10-227	14	
Dibromochloromethane	ug/L	<1.0	20	20	19.3	16.7	97	84	53-149	15	
Ethylbenzene	ug/L	<1.0	20	20	22.4	19.1	112	96	37-162	16	
m&p-Xylene	ug/L	<1.0	40	40	44.9	38.4	112	96	67-118	16	
Methyl-tert-butyl ether	ug/L	<1.0	20	20	20.6	17.2	103	86	44-170	18	
Methylene Chloride	ug/L	<1.0	20	20	20.1	16.6	100	83	10-221	19	
o-Xylene	ug/L	<1.0	20	20	22.7	19.5	114	98	67-118	15	
Styrene	ug/L	<1.0	20	20	22.6	19.2	113	96	50-150	16	
Tetrachloroethene	ug/L	<1.0	20	20	24.4	21.1	122	105	64-148	14	
Toluene	ug/L	<1.0	20	20	22.7	19.4	114	97	47-150	16	
trans-1,3-Dichloropropene	ug/L	<1.0	20	20	20.1	17.2	101	86	17-183	16	
Trichloroethene	ug/L	4.9	20	20	27.8	24.7	115	99	71-157	12	

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QUALITY CONTROL DATA

Project: M1, PELHAM BAY JAN
Pace Project No.: 7039536

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 240740 240741

Parameter	Units	7039689005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Vinyl chloride	ug/L	2.3	20	20	35.0	18.9	163	83	10-251	60	R1
Xylene (Total)	ug/L	<1.0	60	60	67.6	57.9	113	97	56-147	15	
1,2-Dichloroethane-d4 (S)	%						113	111	68-153		
4-Bromofluorobenzene (S)	%						104	105	79-124		
Toluene-d8 (S)	%						106	106	69-124		

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QUALITY CONTROL DATA

Project: M1, PELHAM BAY JAN
Pace Project No.: 7039536

QC Batch: 52415
QC Batch Method: EPA 608
Analysis Method: EPA 608
Analysis Description: 608 GCS PCB Mod
Associated Lab Samples: 7039536005

METHOD BLANK: 242537
Matrix: Water
Associated Lab Samples: 7039536005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	<0.065	0.065	01/12/18 02:06	
PCB-1221 (Aroclor 1221)	ug/L	<0.065	0.065	01/12/18 02:06	
PCB-1232 (Aroclor 1232)	ug/L	<0.065	0.065	01/12/18 02:06	
PCB-1242 (Aroclor 1242)	ug/L	<0.065	0.065	01/12/18 02:06	
PCB-1248 (Aroclor 1248)	ug/L	<0.065	0.065	01/12/18 02:06	
PCB-1254 (Aroclor 1254)	ug/L	<0.065	0.065	01/12/18 02:06	
PCB-1260 (Aroclor 1260)	ug/L	<0.065	0.065	01/12/18 02:06	
Decachlorobiphenyl (S)	%	71	10-149	01/12/18 02:06	
Tetrachloro-m-xylene (S)	%	61	10-149	01/12/18 02:06	

LABORATORY CONTROL SAMPLE: 242538

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	.5	0.24	49	42-147	
PCB-1260 (Aroclor 1260)	ug/L	.5	0.46	91	51-144	
Decachlorobiphenyl (S)	%			80	10-149	
Tetrachloro-m-xylene (S)	%			64	16-128	

MATRIX SPIKE SAMPLE: 243786

Parameter	Units	7039536005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	<0.065	.5	0.16	32	53-126	M1
PCB-1221 (Aroclor 1221)	ug/L	<0.065		<0.065			
PCB-1232 (Aroclor 1232)	ug/L	<0.065		<0.065			
PCB-1242 (Aroclor 1242)	ug/L	<0.065		<0.065			
PCB-1248 (Aroclor 1248)	ug/L	<0.065		<0.065			
PCB-1254 (Aroclor 1254)	ug/L	<0.065		<0.065			
PCB-1260 (Aroclor 1260)	ug/L	<0.065	.5	0.39	77	51-144	
Decachlorobiphenyl (S)	%				73	10-149	
Tetrachloro-m-xylene (S)	%				50	10-149	

SAMPLE DUPLICATE: 243785

Parameter	Units	7040109001 Result	Dup Result	RPD	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	<0.065	<0.065		
PCB-1221 (Aroclor 1221)	ug/L	<0.065	<0.065		
PCB-1232 (Aroclor 1232)	ug/L	<0.065	<0.065		

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QUALITY CONTROL DATA

Project: M1, PELHAM BAY JAN
Pace Project No.: 7039536

SAMPLE DUPLICATE: 243785

Parameter	Units	7040109001 Result	Dup Result	RPD	Qualifiers
PCB-1242 (Aroclor 1242)	ug/L	<0.065	<0.065		
PCB-1248 (Aroclor 1248)	ug/L	<0.065	<0.065		
PCB-1254 (Aroclor 1254)	ug/L	<0.065	<0.065		
PCB-1260 (Aroclor 1260)	ug/L	<0.065	<0.065		
Decachlorobiphenyl (S)	%	75	58	25	
Tetrachloro-m-xylene (S)	%	65	55	18	

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QUALITY CONTROL DATA

Project: M1, PELHAM BAY JAN
Pace Project No.: 7039536

QC Batch: 51904
QC Batch Method: EPA 625 SF
Analysis Method: EPA 625
Analysis Description: 625 MSS
Associated Lab Samples: 7039536005

METHOD BLANK: 240220
Matrix: Water
Associated Lab Samples: 7039536005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	<1.0	1.0	01/06/18 13:25	
2,2'-Oxybis(1-chloropropane)	ug/L	<1.0	1.0	01/06/18 13:25	
2,4,5-Trichlorophenol	ug/L	<1.0	1.0	01/06/18 13:25	
2,4,6-Trichlorophenol	ug/L	<1.0	1.0	01/06/18 13:25	
2,4-Dichlorophenol	ug/L	<1.0	1.0	01/06/18 13:25	
2,4-Dimethylphenol	ug/L	<5.0	5.0	01/06/18 13:25	
2,4-Dinitrophenol	ug/L	<5.0	5.0	01/06/18 13:25	IC
2,4-Dinitrotoluene	ug/L	<1.0	1.0	01/06/18 13:25	
2,6-Dinitrotoluene	ug/L	<1.0	1.0	01/06/18 13:25	
2-Chloronaphthalene	ug/L	<1.0	1.0	01/06/18 13:25	
2-Chlorophenol	ug/L	<1.0	1.0	01/06/18 13:25	
2-Methylnaphthalene	ug/L	<1.0	1.0	01/06/18 13:25	N3
2-Methylphenol(o-Cresol)	ug/L	<1.0	1.0	01/06/18 13:25	
2-Nitroaniline	ug/L	<1.0	1.0	01/06/18 13:25	N3
2-Nitrophenol	ug/L	<1.0	1.0	01/06/18 13:25	
3&4-Methylphenol(m&p Cresol)	ug/L	<1.0	1.0	01/06/18 13:25	
3,3'-Dichlorobenzidine	ug/L	<1.0	1.0	01/06/18 13:25	
3-Nitroaniline	ug/L	<1.0	1.0	01/06/18 13:25	N3
4,6-Dinitro-2-methylphenol	ug/L	<5.0	5.0	01/06/18 13:25	
4-Bromophenylphenyl ether	ug/L	<1.0	1.0	01/06/18 13:25	
4-Chloro-3-methylphenol	ug/L	<1.0	1.0	01/06/18 13:25	
4-Chloroaniline	ug/L	<1.0	1.0	01/06/18 13:25	N3
4-Chlorophenylphenyl ether	ug/L	<1.0	1.0	01/06/18 13:25	
4-Nitroaniline	ug/L	<1.0	1.0	01/06/18 13:25	N3
4-Nitrophenol	ug/L	<5.0	5.0	01/06/18 13:25	
Acenaphthene	ug/L	<1.0	1.0	01/06/18 13:25	
Acenaphthylene	ug/L	<1.0	1.0	01/06/18 13:25	
Anthracene	ug/L	<1.0	1.0	01/06/18 13:25	
Benzo(a)anthracene	ug/L	<1.0	1.0	01/06/18 13:25	
Benzo(a)pyrene	ug/L	<1.0	1.0	01/06/18 13:25	
Benzo(b)fluoranthene	ug/L	<1.0	1.0	01/06/18 13:25	
Benzo(g,h,i)perylene	ug/L	<1.0	1.0	01/06/18 13:25	
Benzo(k)fluoranthene	ug/L	<1.0	1.0	01/06/18 13:25	
bis(2-Chloroethoxy)methane	ug/L	<1.0	1.0	01/06/18 13:25	
bis(2-Chloroethyl) ether	ug/L	<1.0	1.0	01/06/18 13:25	
bis(2-Ethylhexyl)phthalate	ug/L	<1.0	1.0	01/06/18 13:25	
Butylbenzylphthalate	ug/L	<1.0	1.0	01/06/18 13:25	
Carbazole	ug/L	<1.0	1.0	01/06/18 13:25	
Chrysene	ug/L	<1.0	1.0	01/06/18 13:25	
Di-n-butylphthalate	ug/L	<1.0	1.0	01/06/18 13:25	
Di-n-octylphthalate	ug/L	<1.0	1.0	01/06/18 13:25	

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QUALITY CONTROL DATA

Project: M1, PELHAM BAY JAN
Pace Project No.: 7039536

METHOD BLANK: 240220 Matrix: Water
Associated Lab Samples: 7039536005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibenz(a,h)anthracene	ug/L	<1.0	1.0	01/06/18 13:25	
Diethylphthalate	ug/L	<1.0	1.0	01/06/18 13:25	
Dimethylphthalate	ug/L	<1.0	1.0	01/06/18 13:25	
Fluoranthene	ug/L	<1.0	1.0	01/06/18 13:25	
Fluorene	ug/L	<1.0	1.0	01/06/18 13:25	
Hexachloro-1,3-butadiene	ug/L	<1.0	1.0	01/06/18 13:25	
Hexachlorobenzene	ug/L	<1.0	1.0	01/06/18 13:25	
Hexachlorocyclopentadiene	ug/L	<5.0	5.0	01/06/18 13:25	CL,IC
Hexachloroethane	ug/L	<1.0	1.0	01/06/18 13:25	
Indeno(1,2,3-cd)pyrene	ug/L	<1.0	1.0	01/06/18 13:25	
Isophorone	ug/L	<1.0	1.0	01/06/18 13:25	
N-Nitroso-di-n-propylamine	ug/L	<1.0	1.0	01/06/18 13:25	
N-Nitrosodiphenylamine	ug/L	<1.0	1.0	01/06/18 13:25	
Naphthalene	ug/L	<1.0	1.0	01/06/18 13:25	
Nitrobenzene	ug/L	<1.0	1.0	01/06/18 13:25	
Pentachlorophenol	ug/L	<5.0	5.0	01/06/18 13:25	
Phenanthrene	ug/L	<1.0	1.0	01/06/18 13:25	
Phenol	ug/L	<1.0	1.0	01/06/18 13:25	
Pyrene	ug/L	<1.0	1.0	01/06/18 13:25	
1,2-Dichlorobenzene-d4 (S)	%	59	16-110	01/06/18 13:25	
2,4,6-Tribromophenol (S)	%	83	10-123	01/06/18 13:25	
2-Chlorophenol-d4 (S)	%	67	33-110	01/06/18 13:25	
2-Fluorobiphenyl (S)	%	71	43-116	01/06/18 13:25	
2-Fluorophenol (S)	%	39	21-110	01/06/18 13:25	
Nitrobenzene-d5 (S)	%	67	35-114	01/06/18 13:25	
p-Terphenyl-d14 (S)	%	74	33-141	01/06/18 13:25	
Phenol-d5 (S)	%	26	10-110	01/06/18 13:25	

LABORATORY CONTROL SAMPLE: 240221

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	39.6	79	25-129	
2,2'-Oxybis(1-chloropropane)	ug/L	50	30.7	61	28-146	
2,4,5-Trichlorophenol	ug/L	50	45.6	91	41-121	
2,4,6-Trichlorophenol	ug/L	50	44.8	90	53-131	
2,4-Dichlorophenol	ug/L	50	43.1	86	46-130	
2,4-Dimethylphenol	ug/L	50	23.5	47	39-135	
2,4-Dinitrophenol	ug/L	50	57.1	114	11-101	IC,L1
2,4-Dinitrotoluene	ug/L	50	48.3	97	48-134	
2,6-Dinitrotoluene	ug/L	50	44.9	90	48-136	
2-Chloronaphthalene	ug/L	50	38.9	78	47-123	
2-Chlorophenol	ug/L	50	35.8	72	48-116	
2-Methylnaphthalene	ug/L	50	38.7	77	25-98	N3
2-Methylphenol(o-Cresol)	ug/L	50	30.9	62	41-131	

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QUALITY CONTROL DATA

Project: M1, PELHAM BAY JAN
Pace Project No.: 7039536

LABORATORY CONTROL SAMPLE: 240221

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Nitroaniline	ug/L	50	36.4	73	55-115	N3
2-Nitrophenol	ug/L	50	43.6	87	36-115	
3&4-Methylphenol(m&p Cresol)	ug/L	50	27.2	54	43-119	
3,3'-Dichlorobenzidine	ug/L	50	48.3	97	20-132	
3-Nitroaniline	ug/L	50	44.9	90	51-123	N3
4,6-Dinitro-2-methylphenol	ug/L	50	48.8	98	47-107	CH
4-Bromophenylphenyl ether	ug/L	50	43.8	88	50-142	
4-Chloro-3-methylphenol	ug/L	50	41.3	83	45-135	
4-Chloroaniline	ug/L	50	39.9	80	55-102	N3
4-Chlorophenylphenyl ether	ug/L	50	45.1	90	50-130	
4-Nitroaniline	ug/L	50	46.1	92	63-116	N3
4-Nitrophenol	ug/L	50	22.6	45	10-102	
Acenaphthene	ug/L	50	40.7	81	51-133	
Acenaphthylene	ug/L	50	40.7	81	36-132	
Anthracene	ug/L	50	42.7	85	61-135	
Benzo(a)anthracene	ug/L	50	44.9	90	56-136	
Benzo(a)pyrene	ug/L	50	45.9	92	47-141	
Benzo(b)fluoranthene	ug/L	50	44.9	90	43-147	
Benzo(g,h,i)perylene	ug/L	50	56.2	112	25-153	CH
Benzo(k)fluoranthene	ug/L	50	45.6	91	53-159	
bis(2-Chloroethoxy)methane	ug/L	50	35.6	71	20-148	
bis(2-Chloroethyl) ether	ug/L	50	31.7	63	39-111	
bis(2-Ethylhexyl)phthalate	ug/L	50	42.3	85	33-193	
Butylbenzylphthalate	ug/L	50	42.3	85	49-135	
Carbazole	ug/L	50	44.0	88	49-116	
Chrysene	ug/L	50	43.4	87	38-170	
Di-n-butylphthalate	ug/L	50	43.5	87	44-144	
Di-n-octylphthalate	ug/L	50	42.3	85	45-155	
Dibenz(a,h)anthracene	ug/L	50	53.2	106	15-185	CH
Diethylphthalate	ug/L	50	44.1	88	24-156	
Dimethylphthalate	ug/L	50	42.8	86	10-162	
Fluoranthene	ug/L	50	43.7	87	61-135	
Fluorene	ug/L	50	44.5	89	55-129	
Hexachloro-1,3-butadiene	ug/L	50	39.0	78	11-135	
Hexachlorobenzene	ug/L	50	43.8	88	56-154	
Hexachlorocyclopentadiene	ug/L	50	66.0	132	13-119	CL,IC,IH,L1
Hexachloroethane	ug/L	50	34.3	69	41-119	
Indeno(1,2,3-cd)pyrene	ug/L	50	62.1	124	26-156	CH
Isophorone	ug/L	50	37.7	75	33-131	
N-Nitroso-di-n-propylamine	ug/L	50	37.1	74	50-135	
N-Nitrosodiphenylamine	ug/L	50	42.9	86	27-135	
Naphthalene	ug/L	50	37.0	74	47-117	
Nitrobenzene	ug/L	50	36.9	74	48-126	
Pentachlorophenol	ug/L	50	53.5	107	14-124	CH
Phenanthrene	ug/L	50	42.3	85	57-135	
Phenol	ug/L	50	19.5	39	10-99	
Pyrene	ug/L	50	43.4	87	58-113	

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QUALITY CONTROL DATA

Project: M1, PELHAM BAY JAN
Pace Project No.: 7039536

LABORATORY CONTROL SAMPLE: 240221

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene-d4 (S)	%			60	16-110	
2,4,6-Tribromophenol (S)	%			91	10-123	
2-Chlorophenol-d4 (S)	%			71	33-110	
2-Fluorobiphenyl (S)	%			70	43-116	
2-Fluorophenol (S)	%			44	21-110	
Nitrobenzene-d5 (S)	%			68	35-114	
p-Terphenyl-d14 (S)	%			76	33-141	
Phenol-d5 (S)	%			30	10-110	

MATRIX SPIKE SAMPLE: 240389

Parameter	Units	7039381001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	<1.0	50	35.7	71	25-129	
2,2'-Oxybis(1-chloropropane)	ug/L	<1.0	50	26.9	54	28-146	
2,4,5-Trichlorophenol	ug/L	<1.0	50	44.2	88	41-121	
2,4,6-Trichlorophenol	ug/L	<1.0	50	42.2	84	53-131	
2,4-Dichlorophenol	ug/L	<1.0	50	39.4	79	46-130	
2,4-Dimethylphenol	ug/L	<5.0	50	19.4	39	39-135	
2,4-Dinitrophenol	ug/L	<5.0	50	52.1	104	11-101	IC,M0
2,4-Dinitrotoluene	ug/L	<1.0	50	46.0	92	48-134	
2,6-Dinitrotoluene	ug/L	<1.0	50	42.5	85	48-136	
2-Chloronaphthalene	ug/L	<1.0	50	39.7	79	47-123	
2-Chlorophenol	ug/L	<1.0	50	30.3	61	48-116	
2-Methylnaphthalene	ug/L	<1.0	50	36.3	73	25-98	N3
2-Methylphenol(o-Cresol)	ug/L	<1.0	50	26.4	53	41-131	
2-Nitroaniline	ug/L	<1.0	50	37.6	75	55-115	N3
2-Nitrophenol	ug/L	<1.0	50	38.5	77	36-115	
3&4-Methylphenol(m&p Cresol)	ug/L	<1.0	50	23.6	47	43-119	
3,3'-Dichlorobenzidine	ug/L	<1.0	50	38.7	77	20-132	
3-Nitroaniline	ug/L	<1.0	50	41.3	83	51-123	N3
4,6-Dinitro-2-methylphenol	ug/L	<5.0	50	44.7	89	47-107	CH
4-Bromophenylphenyl ether	ug/L	<1.0	50	41.9	84	50-142	
4-Chloro-3-methylphenol	ug/L	<1.0	50	39.3	79	45-135	
4-Chloroaniline	ug/L	<1.0	50	35.7	71	55-102	N3
4-Chlorophenylphenyl ether	ug/L	<1.0	50	41.3	83	50-130	
4-Nitroaniline	ug/L	<1.0	50	43.8	88	63-116	N3
4-Nitrophenol	ug/L	<5.0	50	22.6	45	10-102	
Acenaphthene	ug/L	<1.0	50	38.6	77	51-133	
Acenaphthylene	ug/L	<1.0	50	38.6	77	36-132	
Anthracene	ug/L	<1.0	50	40.1	80	61-135	
Benzo(a)anthracene	ug/L	<1.0	50	41.7	83	56-136	
Benzo(a)pyrene	ug/L	<1.0	50	41.2	82	47-141	
Benzo(b)fluoranthene	ug/L	<1.0	50	40.8	82	43-147	
Benzo(g,h,i)perylene	ug/L	<1.0	50	50.8	102	25-153	CH
Benzo(k)fluoranthene	ug/L	<1.0	50	40.3	81	53-159	

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QUALITY CONTROL DATA

Project: M1, PELHAM BAY JAN
Pace Project No.: 7039536

MATRIX SPIKE SAMPLE: 240389

Parameter	Units	7039381001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
bis(2-Chloroethoxy)methane	ug/L	<1.0	50	32.5	65	20-148	
bis(2-Chloroethyl) ether	ug/L	<1.0	50	28.0	56	39-111	
bis(2-Ethylhexyl)phthalate	ug/L	<1.0	50	39.3	79	33-193	
Butylbenzylphthalate	ug/L	<1.0	50	39.7	79	49-135	
Carbazole	ug/L	<1.0	50	41.2	82	49-116	
Chrysene	ug/L	<1.0	50	40.6	81	38-170	
Di-n-butylphthalate	ug/L	<1.0	50	41.1	82	44-144	
Di-n-octylphthalate	ug/L	<1.0	50	38.2	76	45-155	
Dibenz(a,h)anthracene	ug/L	<1.0	50	48.7	97	15-185	CH
Diethylphthalate	ug/L	<1.0	50	40.9	82	24-156	
Dimethylphthalate	ug/L	<1.0	50	41.1	82	10-162	
Fluoranthene	ug/L	<1.0	50	42.4	85	61-135	
Fluorene	ug/L	<1.0	50	40.9	82	55-129	
Hexachloro-1,3-butadiene	ug/L	<1.0	50	33.8	68	11-135	
Hexachlorobenzene	ug/L	<1.0	50	41.8	84	56-154	
Hexachlorocyclopentadiene	ug/L	<5.0	50	58.9	118	13-119	CL,IC,IH
Hexachloroethane	ug/L	<1.0	50	29.6	59	41-119	
Indeno(1,2,3-cd)pyrene	ug/L	<1.0	50	47.4	95	26-156	CH
Isophorone	ug/L	<1.0	50	34.7	69	33-131	
N-Nitroso-di-n-propylamine	ug/L	<1.0	50	33.2	66	50-135	
N-Nitrosodiphenylamine	ug/L	<1.0	50	35.9	72	27-135	
Naphthalene	ug/L	<1.0	50	34.1	68	47-117	
Nitrobenzene	ug/L	<1.0	50	33.3	67	48-126	
Pentachlorophenol	ug/L	<5.0	50	54.5	109	14-124	CH
Phenanthrene	ug/L	<1.0	50	40.6	81	57-135	
Phenol	ug/L	<1.0	50	16.9	34	10-99	
Pyrene	ug/L	<1.0	50	39.9	80	58-113	
1,2-Dichlorobenzene-d4 (S)	%				53	16-110	
2,4,6-Tribromophenol (S)	%				85	10-123	
2-Chlorophenol-d4 (S)	%				59	33-110	
2-Fluorobiphenyl (S)	%				65	43-116	
2-Fluorophenol (S)	%				35	21-110	
Nitrobenzene-d5 (S)	%				61	35-114	
p-Terphenyl-d14 (S)	%				68	33-141	
Phenol-d5 (S)	%				25	10-110	

SAMPLE DUPLICATE: 240390

Parameter	Units	7039536005 Result	Dup Result	RPD	Qualifiers
1,2,4-Trichlorobenzene	ug/L	<1.0	<1.0		
2,2'-Oxybis(1-chloropropane)	ug/L	<1.0	<1.0		
2,4,5-Trichlorophenol	ug/L	<1.0	<1.0		
2,4,6-Trichlorophenol	ug/L	<1.0	<1.0		
2,4-Dichlorophenol	ug/L	<1.0	<1.0		
2,4-Dimethylphenol	ug/L	<5.0	<5.0		

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QUALITY CONTROL DATA

Project: M1, PELHAM BAY JAN
Pace Project No.: 7039536

SAMPLE DUPLICATE: 240390

Parameter	Units	7039536005 Result	Dup Result	RPD	Qualifiers
2,4-Dinitrophenol	ug/L	<5.0	<5.0		IC
2,4-Dinitrotoluene	ug/L	<1.0	<1.0		
2,6-Dinitrotoluene	ug/L	<1.0	<1.0		
2-Chloronaphthalene	ug/L	<1.0	<1.0		
2-Chlorophenol	ug/L	<1.0	<1.0		
2-Methylnaphthalene	ug/L	<1.0	<1.0		N3
2-Methylphenol(o-Cresol)	ug/L	<1.0	<1.0		
2-Nitroaniline	ug/L	<1.0	<1.0		N3
2-Nitrophenol	ug/L	<1.0	<1.0		
3&4-Methylphenol(m&p Cresol)	ug/L	7.5	7.7	3	
3,3'-Dichlorobenzidine	ug/L	<1.0	<1.0		
3-Nitroaniline	ug/L	<1.0	<1.0		N3
4,6-Dinitro-2-methylphenol	ug/L	<5.0	<5.0		
4-Bromophenylphenyl ether	ug/L	<1.0	<1.0		
4-Chloro-3-methylphenol	ug/L	<1.0	<1.0		
4-Chloroaniline	ug/L	<1.0	<1.0		N3
4-Chlorophenylphenyl ether	ug/L	<1.0	<1.0		
4-Nitroaniline	ug/L	<1.0	<1.0		N3
4-Nitrophenol	ug/L	<5.0	<5.0		
Acenaphthene	ug/L	<1.0	<1.0		
Acenaphthylene	ug/L	<1.0	<1.0		
Anthracene	ug/L	<1.0	<1.0		
Benzo(a)anthracene	ug/L	<1.0	<1.0		
Benzo(a)pyrene	ug/L	<1.0	<1.0		
Benzo(b)fluoranthene	ug/L	<1.0	<1.0		
Benzo(g,h,i)perylene	ug/L	<1.0	<1.0		
Benzo(k)fluoranthene	ug/L	<1.0	<1.0		
bis(2-Chloroethoxy)methane	ug/L	<1.0	<1.0		
bis(2-Chloroethyl) ether	ug/L	<1.0	<1.0		
bis(2-Ethylhexyl)phthalate	ug/L	<1.0	<1.0		
Butylbenzylphthalate	ug/L	3.3	3.7	10	
Carbazole	ug/L	<1.0	<1.0		
Chrysene	ug/L	<1.0	<1.0		
Di-n-butylphthalate	ug/L	<1.0	<1.0		
Di-n-octylphthalate	ug/L	<1.0	<1.0		
Dibenz(a,h)anthracene	ug/L	<1.0	<1.0		
Diethylphthalate	ug/L	<1.0	<1.0		
Dimethylphthalate	ug/L	<1.0	<1.0		
Fluoranthene	ug/L	<1.0	<1.0		
Fluorene	ug/L	<1.0	<1.0		
Hexachloro-1,3-butadiene	ug/L	<1.0	<1.0		
Hexachlorobenzene	ug/L	<1.0	<1.0		
Hexachlorocyclopentadiene	ug/L	<5.0	<5.0		CL,IC
Hexachloroethane	ug/L	<1.0	<1.0		
Indeno(1,2,3-cd)pyrene	ug/L	<1.0	<1.0		
Isophorone	ug/L	<1.0	<1.0		
N-Nitroso-di-n-propylamine	ug/L	<1.0	<1.0		

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QUALITY CONTROL DATA

Project: M1, PELHAM BAY JAN
Pace Project No.: 7039536

SAMPLE DUPLICATE: 240390

Parameter	Units	7039536005 Result	Dup Result	RPD	Qualifiers
N-Nitrosodiphenylamine	ug/L	<1.0	<1.0		
Naphthalene	ug/L	1.3	1.5	12	
Nitrobenzene	ug/L	<1.0	<1.0		
Pentachlorophenol	ug/L	<5.0	<5.0		
Phenanthrene	ug/L	<1.0	<1.0		
Phenol	ug/L	<1.0	<1.0		
Pyrene	ug/L	<1.0	<1.0		
1,2-Dichlorobenzene-d4 (S)	%	55	61	12	
2,4,6-Tribromophenol (S)	%	87	80	8	
2-Chlorophenol-d4 (S)	%	64	70	9	
2-Fluorobiphenyl (S)	%	67	67	0	
2-Fluorophenol (S)	%	41	44	8	
Nitrobenzene-d5 (S)	%	60	66	9	
p-Terphenyl-d14 (S)	%	59	53	11	
Phenol-d5 (S)	%	30	30	1	

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REPORT OF LABORATORY ANALYSIS

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Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: M1, PELHAM BAY JAN
Pace Project No.: 7039536

QC Batch: 52403 Analysis Method: EPA 1664A
QC Batch Method: EPA 1664A Analysis Description: 1664 HEM, Oil and Grease
Associated Lab Samples: 7039536001, 7039536002

METHOD BLANK: 242302 Matrix: Water
Associated Lab Samples: 7039536001, 7039536002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	<5.0	5.0	01/10/18 18:11	

LABORATORY CONTROL SAMPLE & LCSD: 242303 242304

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	40	39.6	37.4	99	94	78-114	6	20	

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QUALITY CONTROL DATA

Project: M1, PELHAM BAY JAN
Pace Project No.: 7039536

QC Batch: 52527 Analysis Method: EPA 1664A
QC Batch Method: EPA 1664A Analysis Description: 1664 HEM, Oil and Grease
Associated Lab Samples: 7039536003, 7039536004

METHOD BLANK: 242936 Matrix: Water
Associated Lab Samples: 7039536003, 7039536004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	<5.0	5.0	01/11/18 14:20	

LABORATORY CONTROL SAMPLE & LCSD: 242937 242938

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	40	34.1	34.3	85	86	78-114	1	20	

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QUALITY CONTROL DATA

Project: M1, PELHAM BAY JAN
Pace Project No.: 7039536

QC Batch: 51964 Analysis Method: SM22 2540D
QC Batch Method: SM22 2540D Analysis Description: 2540D Total Suspended Solids
Associated Lab Samples: 7039536001, 7039536002, 7039536003, 7039536004

METHOD BLANK: 240414 Matrix: Water
Associated Lab Samples: 7039536001, 7039536002, 7039536003, 7039536004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	<1.0	1.0	01/05/18 17:54	

LABORATORY CONTROL SAMPLE: 240415

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	200	188	94	85-115	

SAMPLE DUPLICATE: 240416

Parameter	Units	7039536001 Result	Dup Result	RPD	Qualifiers
Total Suspended Solids	mg/L	10.0	10.0	0	

SAMPLE DUPLICATE: 240417

Parameter	Units	7039660007 Result	Dup Result	RPD	Qualifiers
Total Suspended Solids	mg/L	64.0	68.0	6	

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QUALITY CONTROL DATA

Project: M1, PELHAM BAY JAN
Pace Project No.: 7039536

QC Batch: 51753
QC Batch Method: SM22 3500-Cr B
Associated Lab Samples: 7039536005

Analysis Method: SM22 3500-Cr B
Analysis Description: Chromium, Hexavalent by 3500

METHOD BLANK: 239707 Matrix: Water
Associated Lab Samples: 7039536005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chromium, Hexavalent	mg/L	<0.020	0.020	01/03/18 13:49	

LABORATORY CONTROL SAMPLE: 239708

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	mg/L	.2	0.21	105	85-115	

MATRIX SPIKE SAMPLE: 239709

Parameter	Units	7039536005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	mg/L	<0.020	.2	0.18	88	75-125	

SAMPLE DUPLICATE: 239710

Parameter	Units	7039536005 Result	Dup Result	RPD	Qualifiers
Chromium, Hexavalent	mg/L	<0.020	<0.020		

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QUALITY CONTROL DATA

Project: M1, PELHAM BAY JAN
Pace Project No.: 7039536

QC Batch: 51803 Analysis Method: SM22 4500-H+B
QC Batch Method: SM22 4500-H+B Analysis Description: 4500H+B pH
Associated Lab Samples: 7039536001, 7039536002, 7039536003, 7039536004

SAMPLE DUPLICATE: 239884

Parameter	Units	7039507001 Result	Dup Result	RPD	Qualifiers
pH at 25 Degrees C	Std. Units	6.8	6.8	0	H3,H6,N3

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QUALITY CONTROL DATA

Project: M1, PELHAM BAY JAN
Pace Project No.: 7039536

QC Batch: 51739
QC Batch Method: SM22 5210B
Analysis Method: SM22 5210B
Analysis Description: 5210B cBOD, 5 day
Associated Lab Samples: 7039536005

METHOD BLANK: 239662 Matrix: Water
Associated Lab Samples: 7039536005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Carbonaceous BOD, 5 day	mg/L	<2.0	2.0	01/08/18 10:11	

LABORATORY CONTROL SAMPLE: 239663

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbonaceous BOD, 5 day	mg/L	198	187	94	84.5-115.4	

SAMPLE DUPLICATE: 239664

Parameter	Units	7039517001 Result	Dup Result	RPD	Qualifiers
Carbonaceous BOD, 5 day	mg/L	60.2	57.8	4	

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QUALITY CONTROL DATA

Project: M1, PELHAM BAY JAN
Pace Project No.: 7039536

QC Batch: 52431 Analysis Method: EPA 351.2
QC Batch Method: EPA 351.2 Analysis Description: 351.2 TKN
Associated Lab Samples: 7039536005

METHOD BLANK: 242608 Matrix: Water
Associated Lab Samples: 7039536005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	<0.10	0.10	01/11/18 13:16	

LABORATORY CONTROL SAMPLE: 242609

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	4	4.1	102	90-110	

MATRIX SPIKE SAMPLE: 242612

Parameter	Units	7039535001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	3.5	4	8.0	112	90-110	M6

MATRIX SPIKE SAMPLE: 242614

Parameter	Units	7039958002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	6.3	4	11.4	127	90-110	M1

SAMPLE DUPLICATE: 242613

Parameter	Units	7039535001 Result	Dup Result	RPD	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	3.5	4.0	11	

SAMPLE DUPLICATE: 242615

Parameter	Units	7039958002 Result	Dup Result	RPD	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	6.3	5.8	8	

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QUALITY CONTROL DATA

Project: M1, PELHAM BAY JAN
Pace Project No.: 7039536

QC Batch: 51826
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrite, Unpres.
Associated Lab Samples: 7039536005

METHOD BLANK: 240067 Matrix: Water
Associated Lab Samples: 7039536005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	<0.050	0.050	01/03/18 20:01	

LABORATORY CONTROL SAMPLE: 240068

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	1	0.99	99	90-110	

MATRIX SPIKE SAMPLE: 240069

Parameter	Units	7039549001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	.5	0.52	103	90-110	

MATRIX SPIKE SAMPLE: 240071

Parameter	Units	7039537001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	.5	0.52	104	90-110	

SAMPLE DUPLICATE: 240070

Parameter	Units	7039549001 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

SAMPLE DUPLICATE: 240072

Parameter	Units	7039537001 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

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QUALITY CONTROL DATA

Project: M1, PELHAM BAY JAN
Pace Project No.: 7039536

QC Batch: 51836
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, preserved
Associated Lab Samples: 7039536005

METHOD BLANK: 240105 Matrix: Water
Associated Lab Samples: 7039536005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	0.050	01/04/18 02:31	

LABORATORY CONTROL SAMPLE: 240106

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	1	0.96	96	90-110	

MATRIX SPIKE SAMPLE: 240107

Parameter	Units	7039567001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	1.2	5	6.2	100	90-110	

SAMPLE DUPLICATE: 240108

Parameter	Units	7039567001 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	1.2	1.3	5	

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QUALITY CONTROL DATA

Project: M1, PELHAM BAY JAN
Pace Project No.: 7039536

QC Batch: 52056 Analysis Method: SM22 4500-CN-E
QC Batch Method: SM20/22 4500-CN-C Analysis Description: 4500 CNE Cyanide, Total
Associated Lab Samples: 7039536006

METHOD BLANK: 240901 Matrix: Water
Associated Lab Samples: 7039536006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	ug/L	<10.0	10.0	01/08/18 20:08	

LABORATORY CONTROL SAMPLE: 240902

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	ug/L	75	65.2	87	85-115	

MATRIX SPIKE SAMPLE: 240903

Parameter	Units	7039708001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cyanide	ug/L	<0.010 mg/L	100	113	110	75-125	

SAMPLE DUPLICATE: 240904

Parameter	Units	7039708001 Result	Dup Result	RPD	Qualifiers
Cyanide	ug/L	<0.010 mg/L	<10.0		

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(631)694-3040

QUALITY CONTROL DATA

Project: M1, PELHAM BAY JAN
Pace Project No.: 7039536

QC Batch: 51888 Analysis Method: SM22 4500-Cl-E
QC Batch Method: SM22 4500-Cl-E Analysis Description: 4500 Chloride
Associated Lab Samples: 7039536005

METHOD BLANK: 240207 Matrix: Water
Associated Lab Samples: 7039536005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<2.0	2.0	01/05/18 11:18	

LABORATORY CONTROL SAMPLE: 240208

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	53.4	107	90-110	

MATRIX SPIKE SAMPLE: 240209

Parameter	Units	7039438001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	18.4	25	45.3	108	80-120	

SAMPLE DUPLICATE: 240210

Parameter	Units	7039438001 Result	Dup Result	RPD	Qualifiers
Chloride	mg/L	18.4	18.9	3	

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Melville, NY 11747
(631)694-3040

QUALIFIERS

Project: M1, PELHAM BAY JAN
Pace Project No.: 7039536

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
H3	Sample was received or analysis requested beyond the recognized method holding time.
H6	Analysis initiated outside of the 15 minute EPA recommended holding time.
IC	The initial calibration for this compound was outside of method control limits. The result is estimated.
IH	This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
M6	Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.
N3	Accreditation is not offered by the relevant laboratory accrediting body for this parameter.
R1	RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: M1, PELHAM BAY JAN
Pace Project No.: 7039536

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7039536005	M1-24HR FIELD COMPOSITE	EPA 608	52415	EPA 608	52575
7039536005	M1-24HR FIELD COMPOSITE	EPA 200.7	51934	EPA 200.7	51941
7039536005	M1-24HR FIELD COMPOSITE	EPA 245.1	51937	EPA 245.1	51943
7039536005	M1-24HR FIELD COMPOSITE	EPA 625 SF	51904	EPA 625	51993
7039536006	M1-GRAB COMPOSITE	EPA 624	52015		
7039536001	M1-8:00-GRAB #1	EPA 1664A	52403		
7039536002	M1-9:00-GRAB #2	EPA 1664A	52403		
7039536003	M1-10:00-GRAB #3	EPA 1664A	52527		
7039536004	M1-11:00-GRAB #4	EPA 1664A	52527		
7039536001	M1-8:00-GRAB #1	SM22 2540D	51964		
7039536002	M1-9:00-GRAB #2	SM22 2540D	51964		
7039536003	M1-10:00-GRAB #3	SM22 2540D	51964		
7039536004	M1-11:00-GRAB #4	SM22 2540D	51964		
7039536005	M1-24HR FIELD COMPOSITE	SM22 3500-Cr B	51753		
7039536001	M1-8:00-GRAB #1	SM22 4500-H+B	51803		
7039536002	M1-9:00-GRAB #2	SM22 4500-H+B	51803		
7039536003	M1-10:00-GRAB #3	SM22 4500-H+B	51803		
7039536004	M1-11:00-GRAB #4	SM22 4500-H+B	51803		
7039536005	M1-24HR FIELD COMPOSITE	SM22 5210B	51739	SM22 5210B	52370
7039536005	M1-24HR FIELD COMPOSITE	SM22 4500-N	52534		
7039536005	M1-24HR FIELD COMPOSITE	EPA 351.2	52431	EPA 351.2	52442
7039536005	M1-24HR FIELD COMPOSITE	EPA 353.2	51836		
7039536005	M1-24HR FIELD COMPOSITE	EPA 353.2	51826		
7039536006	M1-GRAB COMPOSITE	SM20/22 4500-CN-C	52056	SM22 4500-CN-E	52091
7039536005	M1-24HR FIELD COMPOSITE	SM22 4500-Cl-E	51888		
7039536006	M1-GRAB COMPOSITE	SM22 4500-CN-G	52109	SM22 4500-CN-E	52110

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575 Broad Hollow Road
Melville, NY 11747

CHAIN OF CUSTOD

WO#:7039536

7039536

PELHAM BAY LANDFILL

M1

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: Andre Dziegelewski	
Source: **Pelham Bay Landfill**	
Job No.:	

Laboratory Use Only
Samples were:
1. Shipped___ or Hand Delivered X Airbill#_____
2. Ambient or Chilled, **Temperature** 1.6
3. Received in good condition Yes or No
4. Properly preserved Yes or No
- Discrepancies between labels and COC? Yes or No

MATRIX (Water, Soil, etc.)	COLLECTED DATE	COLLECTED TIME	SAMPLE IDENTIFICATION	Total Number of Containers: 27	VOCs (Grabs composited at Lab) 40 mL VIALS	Cyanide (Grabs composited at Lab) 60 mL Plastic [NaOH]	TSS, pH 500 mL Plastic	Oil & Grease 1 Liter Amber Glass [HCl]	Non Metals 1 Liter Plastic	Metals 250 mL Plastic [HNO_3]	Total N, TKN 250 mL Plastic [H_2SO_4]	SVOC (625) and PCB (608) 1 Liter Amber Glass	Field Ph	Lab. ID #	REMARKS
Water	1/3/18	8:00	M1 - 8:00 - Grab #1	5	2	1	1	1							
Water	1/3/18	9:00	M1 - 9:00 - Grab #2	5	2	1	1	1							
Water	1/3/18	10:00	M1 - 10:00 - Grab #3	5	2	1	1	1							
Water	1/3/18	11:00	M1 - 11:00 - Grab #4	5	2	1	1	1							
Start:	1/2/18	10:00	M1 - 24 Hour Field Composite												
End:	1/3/18	11:00		7					1	1	1	4			

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:
STRATIS	1/3/18 11:35		PACE				
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:

1.6

Sample Condition Upon Receipt

Pace Analytical
Long Island Laboratory

WO#:7039536
PM: JSA Due Date: 01/17/18
CLIENT: STRATIS

Client Name: Stratis

Pro

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No Seals intact: ☐ Yes ☐ No

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ Ziploc ☐ None ☐ Other

Type of Ice: (Wet) Blue None

Thermometer Used: TH092 Correction Factor: +0.0

☐ Samples on ice, cooling process has begun

Cooler Temperature (°C): 1.6 Cooler Temperature Corrected (°C): 1.6 Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☑ N/A, water sample) Date and Initials of person examining contents: 1/3/18 JTB

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ YES ☐ NO

Did samples orignate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	☑Yes	☐No		1.
Chain of Custody Filled Out:	☑Yes	☐No		2.
Chain of Custody Relinquished:	☑Yes	☐No		3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☑Yes	☐No		5.
Short Hold Time Analysis (<72hr):	☐Yes	☑No		6.
Rush Turn Around Time Requested:	☐Yes	☑No		7.
Sufficient Volume: (Triple volume provided for MS/MSD	☑Yes	☐No		8.
Correct Containers Used:	☑Yes	☐No		9.
-Pace Containers Used:	☑Yes	☐No		
Containers Intact:	☑Yes	☐No		10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix SL WT OIL	☑Yes	☐No		12.
All containers needing preservation have been checked pH paper Lot # HC601354	☑Yes	☐No	☐N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NAOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	☑Yes	☐No	☐N/A	Initial when completed: / Lot # of added preservative: / Date/Time preservative added
Samples checked for dechlorination: Residual chlorine strips Lot #	☐Yes	☐No	☑N/A	14. Positive for Res. Chlorine? Y N
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A	15.
Trip Blank Present:	☐Yes	☑No	☐N/A	16.
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A	
Pace Trip Blank Lot # (if applicable):				

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

* PM (Project Manager) review is documented electronically in LIMS.

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

March 06, 2018

Vincent G. Pelusio
Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566

RE: Project: M1, PELHAM BAY LANDFILL 2/21
Pace Project No.: 7043497

Dear Vincent Pelusio:
Enclosed are the analytical results for sample(s) received by the laboratory on February 21, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jennifer Aracri
jennifer.aracri@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: Emile Mclean, Stratis Contracting Corp.
Keith Robinson, Stratis Contracting Corp.

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CERTIFICATIONS

Project: M1, PELHAM BAY LANDFILL 2/21
Pace Project No.: 7043497

Long Island Certification IDs

575 Broad Hollow Rd, Melville, NY 11747
New York Certification #: 10478 Primary Accrediting Body
New Jersey Certification #: NY158
Pennsylvania Certification #: 68-00350
Connecticut Certification #: PH-0435
Maryland Certification #: 208
Rhode Island Certification #: LAO00340
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987

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ANALYTICAL RESULTS

Project: M1, PELHAM BAY LANDFILL 2/21
Pace Project No.: 7043497

Sample: M1 - 8.00 - GRAB #1 **Lab ID: 7043497001** Collected: 02/21/18 08:00 Received: 02/21/18 11:33 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	**<5.3**	mg/L	5.3	1		03/05/18 14:52		
2540D Total Suspended Solids	Analytical Method: SM22 2540D							
Total Suspended Solids	**<10.0**	mg/L	10.0	1		02/23/18 17:32		
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B							
pH at 25 Degrees C	**7.4**	Std. Units	0.10	1		02/21/18 18:51		H3,H6, N3

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: M1, PELHAM BAY LANDFILL 2/21
Pace Project No.: 7043497

Sample: M1 - 9.00 - GRAB #2 **Lab ID: 7043497002** Collected: 02/21/18 09:00 Received: 02/21/18 11:33 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	**<5.3**	mg/L	5.3	1		03/05/18 14:52		
2540D Total Suspended Solids	Analytical Method: SM22 2540D							
Total Suspended Solids	**<10.0**	mg/L	10.0	1		02/23/18 17:32		
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B							
pH at 25 Degrees C	**7.4**	Std. Units	0.10	1		02/21/18 18:54		H3,H6, N3

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ANALYTICAL RESULTS

Project: M1, PELHAM BAY LANDFILL 2/21
Pace Project No.: 7043497

Sample: M1 - 10.00 - GRAB #3 **Lab ID: 7043497003** Collected: 02/21/18 10:00 Received: 02/21/18 11:33 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	**<5.0**	mg/L	5.0	1		03/05/18 14:52		
2540D Total Suspended Solids	Analytical Method: SM22 2540D							
Total Suspended Solids	**<10.0**	mg/L	10.0	1		02/23/18 17:36		
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B							
pH at 25 Degrees C	**7.5**	Std. Units	0.10	1		02/21/18 18:58		H3,H6, N3

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ANALYTICAL RESULTS

Project: M1, PELHAM BAY LANDFILL 2/21
Pace Project No.: 7043497

Sample: M1 - 11.00 - GRAB #4 **Lab ID: 7043497004** Collected: 02/21/18 11:00 Received: 02/21/18 11:33 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	**<5.0**	mg/L	5.0	1		03/05/18 14:52		
2540D Total Suspended Solids	Analytical Method: SM22 2540D							
Total Suspended Solids	**<10.0**	mg/L	10.0	1		02/23/18 17:36		
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B							
pH at 25 Degrees C	**7.5**	Std. Units	0.10	1		02/21/18 18:59		H3,H6, N3

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ANALYTICAL RESULTS

Project: M1, PELHAM BAY LANDFILL 2/21
Pace Project No.: 7043497

Sample: M1-24 HOUR FIELD COMPOSITE **Lab ID: 7043497005** Collected: 02/21/18 11:00 Received: 02/21/18 11:33 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
608 GCS PCB LOW	Analytical Method: EPA 608 Preparation Method: EPA 608							
PCB-1016 (Aroclor 1016)	**<0.065**	ug/L	0.065	1	02/22/18 17:04	02/23/18 23:24	12674-11-2	
PCB-1221 (Aroclor 1221)	**<0.065**	ug/L	0.065	1	02/22/18 17:04	02/23/18 23:24	11104-28-2	
PCB-1232 (Aroclor 1232)	**<0.065**	ug/L	0.065	1	02/22/18 17:04	02/23/18 23:24	11141-16-5	
PCB-1242 (Aroclor 1242)	**<0.065**	ug/L	0.065	1	02/22/18 17:04	02/23/18 23:24	53469-21-9	
PCB-1248 (Aroclor 1248)	**<0.065**	ug/L	0.065	1	02/22/18 17:04	02/23/18 23:24	12672-29-6	
PCB-1254 (Aroclor 1254)	**<0.065**	ug/L	0.065	1	02/22/18 17:04	02/23/18 23:24	11097-69-1	
PCB-1260 (Aroclor 1260)	**<0.065**	ug/L	0.065	1	02/22/18 17:04	02/23/18 23:24	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	90	%	10-149	1	02/22/18 17:04	02/23/18 23:24	877-09-8	
Decachlorobiphenyl (S)	119	%	10-149	1	02/22/18 17:04	02/23/18 23:24	2051-24-3	
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Cadmium	**<2.5**	ug/L	2.5	1	02/22/18 06:37	02/22/18 15:54	7440-43-9	
Chromium	**<10.0**	ug/L	10.0	1	02/22/18 06:37	02/22/18 15:54	7440-47-3	
Copper	**<25.0**	ug/L	25.0	1	02/22/18 06:37	02/22/18 15:54	7440-50-8	
Lead	**<5.0**	ug/L	5.0	1	02/22/18 06:37	02/22/18 15:54	7439-92-1	
Molybdenum	**<20.0**	ug/L	20.0	1	02/22/18 06:37	02/22/18 15:54	7439-98-7	
Nickel	**<40.0**	ug/L	40.0	1	02/22/18 06:37	02/22/18 15:54	7440-02-0	
Silver	**<10.0**	ug/L	10.0	1	02/22/18 06:37	02/22/18 15:54	7440-22-4	
Zinc	**<20.0**	ug/L	20.0	1	02/22/18 06:37	02/22/18 15:54	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	**<0.20**	ug/L	0.20	1	02/22/18 07:02	02/23/18 12:15	7439-97-6	
625 MSSV	Analytical Method: EPA 625 Preparation Method: EPA 625 SF							
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1	02/23/18 10:45	02/26/18 13:01	120-82-1	
2,2'-Oxybis(1-chloropropane)	**<1.0**	ug/L	1.0	1	02/23/18 10:45	02/26/18 13:01	108-60-1	
2,4,5-Trichlorophenol	**<1.0**	ug/L	1.0	1	02/23/18 10:45	02/26/18 13:01	95-95-4	
2,4,6-Trichlorophenol	**<1.0**	ug/L	1.0	1	02/23/18 10:45	02/26/18 13:01	88-06-2	
2,4-Dichlorophenol	**<1.0**	ug/L	1.0	1	02/23/18 10:45	02/26/18 13:01	120-83-2	
2,4-Dimethylphenol	**<5.0**	ug/L	5.0	1	02/23/18 10:45	02/26/18 13:01	105-67-9	
2,4-Dinitrophenol	**<5.0**	ug/L	5.0	1	02/23/18 10:45	02/26/18 13:01	51-28-5	
2,4-Dinitrotoluene	**<1.0**	ug/L	1.0	1	02/23/18 10:45	02/26/18 13:01	121-14-2	
2,6-Dinitrotoluene	**<1.0**	ug/L	1.0	1	02/23/18 10:45	02/26/18 13:01	606-20-2	
2-Chloronaphthalene	**<1.0**	ug/L	1.0	1	02/23/18 10:45	02/26/18 13:01	91-58-7	
2-Chlorophenol	**<1.0**	ug/L	1.0	1	02/23/18 10:45	02/26/18 13:01	95-57-8	
2-Methylnaphthalene	**<1.0**	ug/L	1.0	1	02/23/18 10:45	02/26/18 13:01	91-57-6	N3
2-Methylphenol(o-Cresol)	**<1.0**	ug/L	1.0	1	02/23/18 10:45	02/26/18 13:01	95-48-7	
2-Nitroaniline	**<1.0**	ug/L	1.0	1	02/23/18 10:45	02/26/18 13:01	88-74-4	N3
2-Nitrophenol	**<1.0**	ug/L	1.0	1	02/23/18 10:45	02/26/18 13:01	88-75-5	
3&4-Methylphenol(m&p Cresol)	**<1.0**	ug/L	1.0	1	02/23/18 10:45	02/26/18 13:01		
3,3'-Dichlorobenzidine	**<1.0**	ug/L	1.0	1	02/23/18 10:45	02/26/18 13:01	91-94-1	CL
3-Nitroaniline	**<1.0**	ug/L	1.0	1	02/23/18 10:45	02/26/18 13:01	99-09-2	N3
4,6-Dinitro-2-methylphenol	**<5.0**	ug/L	5.0	1	02/23/18 10:45	02/26/18 13:01	534-52-1	
4-Bromophenylphenyl ether	**<1.0**	ug/L	1.0	1	02/23/18 10:45	02/26/18 13:01	101-55-3	
4-Chloro-3-methylphenol	**<1.0**	ug/L	1.0	1	02/23/18 10:45	02/26/18 13:01	59-50-7	

REPORT OF LABORATORY ANALYSIS

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Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: M1, PELHAM BAY LANDFILL 2/21
Pace Project No.: 7043497

Sample: M1-24 HOUR FIELD COMPOSITE **Lab ID: 7043497005** Collected: 02/21/18 11:00 Received: 02/21/18 11:33 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV	Analytical Method: EPA 625 Preparation Method: EPA 625 SF							
4-Chloroaniline	**<1.0**	ug/L	1.0	1	02/23/18 10:45	02/26/18 13:01	106-47-8	L1,N3
4-Chlorophenylphenyl ether	**<1.0**	ug/L	1.0	1	02/23/18 10:45	02/26/18 13:01	7005-72-3	
4-Nitroaniline	**<1.0**	ug/L	1.0	1	02/23/18 10:45	02/26/18 13:01	100-01-6	N3
4-Nitrophenol	**<5.0**	ug/L	5.0	1	02/23/18 10:45	02/26/18 13:01	100-02-7	
Acenaphthene	**<1.0**	ug/L	1.0	1	02/23/18 10:45	02/26/18 13:01	83-32-9	
Acenaphthylene	**<1.0**	ug/L	1.0	1	02/23/18 10:45	02/26/18 13:01	208-96-8	
Anthracene	**<1.0**	ug/L	1.0	1	02/23/18 10:45	02/26/18 13:01	120-12-7	
Benzo(a)anthracene	**<1.0**	ug/L	1.0	1	02/23/18 10:45	02/26/18 13:01	56-55-3	
Benzo(a)pyrene	**<1.0**	ug/L	1.0	1	02/23/18 10:45	02/26/18 13:01	50-32-8	
Benzo(b)fluoranthene	**<1.0**	ug/L	1.0	1	02/23/18 10:45	02/26/18 13:01	205-99-2	
Benzo(g,h,i)perylene	**<1.0**	ug/L	1.0	1	02/23/18 10:45	02/26/18 13:01	191-24-2	
Benzo(k)fluoranthene	**<1.0**	ug/L	1.0	1	02/23/18 10:45	02/26/18 13:01	207-08-9	
Butylbenzylphthalate	**2.2**	ug/L	1.0	1	02/23/18 10:45	02/26/18 13:01	85-68-7	
Carbazole	**<1.0**	ug/L	1.0	1	02/23/18 10:45	02/26/18 13:01	86-74-8	
Chrysene	**<1.0**	ug/L	1.0	1	02/23/18 10:45	02/26/18 13:01	218-01-9	
Di-n-butylphthalate	**<1.0**	ug/L	1.0	1	02/23/18 10:45	02/26/18 13:01	84-74-2	
Di-n-octylphthalate	**<1.0**	ug/L	1.0	1	02/23/18 10:45	02/26/18 13:01	117-84-0	
Dibenz(a,h)anthracene	**<1.0**	ug/L	1.0	1	02/23/18 10:45	02/26/18 13:01	53-70-3	
Diethylphthalate	**<1.0**	ug/L	1.0	1	02/23/18 10:45	02/26/18 13:01	84-66-2	
Dimethylphthalate	**<1.0**	ug/L	1.0	1	02/23/18 10:45	02/26/18 13:01	131-11-3	
Fluoranthene	**<1.0**	ug/L	1.0	1	02/23/18 10:45	02/26/18 13:01	206-44-0	
Fluorene	**<1.0**	ug/L	1.0	1	02/23/18 10:45	02/26/18 13:01	86-73-7	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1	02/23/18 10:45	02/26/18 13:01	87-68-3	
Hexachlorobenzene	**<1.0**	ug/L	1.0	1	02/23/18 10:45	02/26/18 13:01	118-74-1	
Hexachlorocyclopentadiene	**<5.0**	ug/L	5.0	1	02/23/18 10:45	02/26/18 13:01	77-47-4	CL
Hexachloroethane	**<1.0**	ug/L	1.0	1	02/23/18 10:45	02/26/18 13:01	67-72-1	
Indeno(1,2,3-cd)pyrene	**<1.0**	ug/L	1.0	1	02/23/18 10:45	02/26/18 13:01	193-39-5	
Isophorone	**<1.0**	ug/L	1.0	1	02/23/18 10:45	02/26/18 13:01	78-59-1	
N-Nitroso-di-n-propylamine	**<1.0**	ug/L	1.0	1	02/23/18 10:45	02/26/18 13:01	621-64-7	
N-Nitrosodiphenylamine	**<1.0**	ug/L	1.0	1	02/23/18 10:45	02/26/18 13:01	86-30-6	
Naphthalene	**<1.0**	ug/L	1.0	1	02/23/18 10:45	02/26/18 13:01	91-20-3	
Nitrobenzene	**<1.0**	ug/L	1.0	1	02/23/18 10:45	02/26/18 13:01	98-95-3	
Pentachlorophenol	**<5.0**	ug/L	5.0	1	02/23/18 10:45	02/26/18 13:01	87-86-5	CL
Phenanthrene	**<1.0**	ug/L	1.0	1	02/23/18 10:45	02/26/18 13:01	85-01-8	
Phenol	**<1.0**	ug/L	1.0	1	02/23/18 10:45	02/26/18 13:01	108-95-2	
Pyrene	**<1.0**	ug/L	1.0	1	02/23/18 10:45	02/26/18 13:01	129-00-0	
bis(2-Chloroethoxy)methane	**<1.0**	ug/L	1.0	1	02/23/18 10:45	02/26/18 13:01	111-91-1	
bis(2-Chloroethyl) ether	**<1.0**	ug/L	1.0	1	02/23/18 10:45	02/26/18 13:01	111-44-4	
bis(2-Ethylhexyl)phthalate	**<1.0**	ug/L	1.0	1	02/23/18 10:45	02/26/18 13:01	117-81-7	
Surrogates								
2-Fluorophenol (S)	39	%	21-110	1	02/23/18 10:45	02/26/18 13:01	367-12-4	
Phenol-d5 (S)	23	%	10-110	1	02/23/18 10:45	02/26/18 13:01	4165-62-2	
Nitrobenzene-d5 (S)	76	%	35-114	1	02/23/18 10:45	02/26/18 13:01	4165-60-0	
2-Fluorobiphenyl (S)	86	%	43-116	1	02/23/18 10:45	02/26/18 13:01	321-60-8	
2,4,6-Tribromophenol (S)	105	%	10-123	1	02/23/18 10:45	02/26/18 13:01	118-79-6	
p-Terphenyl-d14 (S)	106	%	33-141	1	02/23/18 10:45	02/26/18 13:01	1718-51-0	

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ANALYTICAL RESULTS

Project: M1, PELHAM BAY LANDFILL 2/21
Pace Project No.: 7043497

Sample: M1-24 HOUR FIELD COMPOSITE **Lab ID: 7043497005** Collected: 02/21/18 11:00 Received: 02/21/18 11:33 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV	Analytical Method: EPA 625 Preparation Method: EPA 625 SF							
Surrogates								
1,2-Dichlorobenzene-d4 (S)	64	%	16-110	1	02/23/18 10:45	02/26/18 13:01	2199-69-1	
2-Chlorophenol-d4 (S)	77	%	33-110	1	02/23/18 10:45	02/26/18 13:01	93951-73-6	
Chromium, Hexavalent	Analytical Method: SM22 3500-Cr B							
Chromium, Hexavalent	**<0.020**	mg/L	0.020	1		02/21/18 14:16	18540-29-9	
5210B cBOD, 5 day	Analytical Method: SM22 5210B Preparation Method: SM22 5210B							
Carbonaceous BOD, 5 day	**6.6**	mg/L	4.0	2	02/22/18 12:14	02/27/18 10:52		
Total Nitrogen Calculation	Analytical Method: SM22 4500-N							
Total Nitrogen	**11.7**	mg/L	0.10	1		03/01/18 14:01		
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	**3.3**	mg/L	1.0	10	03/01/18 06:46	03/01/18 13:17	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrate-Nitrite (as N)	**8.4**	mg/L	0.50	10		02/21/18 22:43	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**0.28**	mg/L	0.050	1		02/21/18 20:22	14797-65-0	
4500 Chloride	Analytical Method: SM22 4500-Cl-E							
Chloride	**230**	mg/L	200	100		02/22/18 12:58	16887-00-6	

REPORT OF LABORATORY ANALYSIS

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(631)694-3040

ANALYTICAL RESULTS

Project: M1, PELHAM BAY LANDFILL 2/21
Pace Project No.: 7043497

Sample: M1-GRAB COMPOSITE **Lab ID: 7043497006** Collected: 02/21/18 11:00 Received: 02/21/18 11:33 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 Volatile Organics	Analytical Method: EPA 624							
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		02/21/18 15:07	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		02/21/18 15:07	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		02/21/18 15:07	79-00-5	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		02/21/18 15:07	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		02/21/18 15:07	75-35-4	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		02/21/18 15:07	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		02/21/18 15:07	107-06-2	
1,2-Dichloroethene (Total)	**<1.0**	ug/L	1.0	1		02/21/18 15:07	540-59-0	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		02/21/18 15:07	78-87-5	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		02/21/18 15:07	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		02/21/18 15:07	106-46-7	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		02/21/18 15:07	78-93-3	L1,N3
2-Hexanone	**<5.0**	ug/L	5.0	1		02/21/18 15:07	591-78-6	N3
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		02/21/18 15:07	108-10-1	N3
Acetone	**<5.0**	ug/L	5.0	1		02/21/18 15:07	67-64-1	CH
Benzene	**<1.0**	ug/L	1.0	1		02/21/18 15:07	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		02/21/18 15:07	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		02/21/18 15:07	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		02/21/18 15:07	74-83-9	
Carbon disulfide	**<1.0**	ug/L	1.0	1		02/21/18 15:07	75-15-0	N3
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		02/21/18 15:07	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		02/21/18 15:07	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		02/21/18 15:07	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		02/21/18 15:07	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		02/21/18 15:07	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		02/21/18 15:07	124-48-1	
Ethylbenzene	**<1.0**	ug/L	1.0	1		02/21/18 15:07	100-41-4	
Methyl-tert-butyl ether	**<1.0**	ug/L	1.0	1		02/21/18 15:07	1634-04-4	
Methylene Chloride	**<1.0**	ug/L	1.0	1		02/21/18 15:07	75-09-2	
Styrene	**<1.0**	ug/L	1.0	1		02/21/18 15:07	100-42-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		02/21/18 15:07	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		02/21/18 15:07	108-88-3	
Trichloroethene	**<1.0**	ug/L	1.0	1		02/21/18 15:07	79-01-6	
Vinyl chloride	**<1.0**	ug/L	1.0	1		02/21/18 15:07	75-01-4	
Xylene (Total)	**<1.0**	ug/L	1.0	1		02/21/18 15:07	1330-20-7	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		02/21/18 15:07	10061-01-5	
m&p-Xylene	**<1.0**	ug/L	1.0	1		02/21/18 15:07	179601-23-1	
o-Xylene	**<1.0**	ug/L	1.0	1		02/21/18 15:07	95-47-6	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		02/21/18 15:07	10061-02-6	
Surrogates								
4-Bromofluorobenzene (S)	97	%	79-124	1		02/21/18 15:07	460-00-4	
Toluene-d8 (S)	97	%	69-124	1		02/21/18 15:07	2037-26-5	
1,2-Dichloroethane-d4 (S)	102	%	68-153	1		02/21/18 15:07	17060-07-0	
SM 4500 CNE Cyanide, Total	Analytical Method: SM22 4500-CN-E Preparation Method: SM20/22 4500-CN-C							
Cyanide	**<10.0**	ug/L	10.0	1	03/06/18 10:13	03/06/18 16:22	57-12-5	

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ANALYTICAL RESULTS

Project: M1, PELHAM BAY LANDFILL 2/21
Pace Project No.: 7043497

Sample: M1-GRAB COMPOSITE **Lab ID: 7043497006** Collected: 02/21/18 11:00 Received: 02/21/18 11:33 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500CNG Cyanide, Amenable	Analytical Method: SM22 4500-CN-E Preparation Method: SM22 4500-CN-G							
Amenable Cyanide	**<10.0**	ug/L	10.0	1	03/06/18 16:38	03/06/18 16:39	57-12-5	

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QUALITY CONTROL DATA

Project: M1, PELHAM BAY LANDFILL 2/21
Pace Project No.: 7043497

QC Batch: 57321
QC Batch Method: EPA 245.1
Analysis Method: EPA 245.1
Analysis Description: 245.1 Mercury
Associated Lab Samples: 7043497005

METHOD BLANK: 263327 Matrix: Water
Associated Lab Samples: 7043497005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.20	0.20	02/23/18 11:55	

LABORATORY CONTROL SAMPLE: 263328

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	1	1.0	104	85-115	

MATRIX SPIKE SAMPLE: 263329

Parameter	Units	7043432001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	<0.00020 mg/L	1	0.95	88	70-130	

SAMPLE DUPLICATE: 263330

Parameter	Units	7043432001 Result	Dup Result	RPD	Qualifiers
Mercury	ug/L	<0.00020 mg/L	<0.20		

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QUALITY CONTROL DATA

Project: M1, PELHAM BAY LANDFILL 2/21
Pace Project No.: 7043497

QC Batch: 57319
QC Batch Method: EPA 200.7
Analysis Method: EPA 200.7
Analysis Description: 200.7 Metals, Total
Associated Lab Samples: 7043497005

METHOD BLANK: 263317
Matrix: Water
Associated Lab Samples: 7043497005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cadmium	ug/L	<2.5	2.5	02/22/18 15:26	
Chromium	ug/L	<10.0	10.0	02/22/18 15:26	
Copper	ug/L	<25.0	25.0	02/22/18 15:26	
Lead	ug/L	<5.0	5.0	02/22/18 15:26	
Molybdenum	ug/L	<20.0	20.0	02/22/18 15:26	
Nickel	ug/L	<40.0	40.0	02/22/18 15:26	
Silver	ug/L	<10.0	10.0	02/22/18 15:26	
Zinc	ug/L	<20.0	20.0	02/22/18 15:26	

LABORATORY CONTROL SAMPLE: 263318

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cadmium	ug/L	50	49.5	99	85-115	
Chromium	ug/L	250	245	98	85-115	
Copper	ug/L	250	245	98	85-115	
Lead	ug/L	500	503	101	85-115	
Molybdenum	ug/L	500	494	99	85-115	
Nickel	ug/L	250	253	101	85-115	
Silver	ug/L	250	255	102	85-115	
Zinc	ug/L	1000	971	97	85-115	

MATRIX SPIKE SAMPLE: 263320

Parameter	Units	7043428001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cadmium	ug/L	<0.0025 mg/L	50	50.4	101	70-130	
Chromium	ug/L	<0.010 mg/L	250	250	100	70-130	
Copper	ug/L	<0.025 mg/L	250	271	100	70-130	
Lead	ug/L	<0.0050 mg/L	500	514	102	70-130	
Molybdenum	ug/L	<0.020 mg/L	500	500	100	70-130	
Nickel	ug/L	<0.040 mg/L	250	282	103	70-130	
Silver	ug/L	<0.010 mg/L	250	284	114	70-130	
Zinc	ug/L	<0.020 mg/L	1000	1010	100	70-130	

MATRIX SPIKE SAMPLE: 263322

Parameter	Units	7043428002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cadmium	ug/L	<0.0025 mg/L	50	52.0	104	70-130	

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QUALITY CONTROL DATA

Project: M1, PELHAM BAY LANDFILL 2/21
Pace Project No.: 7043497

MATRIX SPIKE SAMPLE: 263322

Parameter	Units	7043428002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chromium	ug/L	<0.010 mg/L	250	257	103	70-130	
Copper	ug/L	0.025 mg/L	250	284	104	70-130	
Lead	ug/L	<0.0050 mg/L	500	531	106	70-130	
Molybdenum	ug/L	<0.020 mg/L	500	516	103	70-130	
Nickel	ug/L	0.041 mg/L	250	307	106	70-130	
Silver	ug/L	<0.010 mg/L	250	294	116	70-130	
Zinc	ug/L	<0.020 mg/L	1000	1050	103	70-130	

SAMPLE DUPLICATE: 263319

Parameter	Units	7043428001 Result	Dup Result	RPD	Qualifiers
Cadmium	ug/L	<0.0025 mg/L	<2.5		
Chromium	ug/L	<0.010 mg/L	<10.0		
Copper	ug/L	<0.025 mg/L	<25.0		
Lead	ug/L	<0.0050 mg/L	<5.0		
Molybdenum	ug/L	<0.020 mg/L	<20.0		
Nickel	ug/L	<0.040 mg/L	<40.0		
Silver	ug/L	<0.010 mg/L	<10.0		
Zinc	ug/L	<0.020 mg/L	<20.0		

SAMPLE DUPLICATE: 263321

Parameter	Units	7043428002 Result	Dup Result	RPD	Qualifiers
Cadmium	ug/L	<0.0025 mg/L	<2.5		
Chromium	ug/L	<0.010 mg/L	<10.0		
Copper	ug/L	0.025 mg/L	<25.0		
Lead	ug/L	<0.0050 mg/L	<5.0		
Molybdenum	ug/L	<0.020 mg/L	<20.0		
Nickel	ug/L	0.041 mg/L	<40.0		
Silver	ug/L	<0.010 mg/L	<10.0		
Zinc	ug/L	<0.020 mg/L	<20.0		

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QUALITY CONTROL DATA

Project: M1, PELHAM BAY LANDFILL 2/21
Pace Project No.: 7043497

QC Batch: 57349 Analysis Method: EPA 624
QC Batch Method: EPA 624 Analysis Description: 624 MSV
Associated Lab Samples: 7043497006

METHOD BLANK: 263411 Matrix: Water
Associated Lab Samples: 7043497006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	02/21/18 09:33	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	02/21/18 09:33	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	02/21/18 09:33	
1,1-Dichloroethane	ug/L	<1.0	1.0	02/21/18 09:33	
1,1-Dichloroethene	ug/L	<1.0	1.0	02/21/18 09:33	
1,2-Dichlorobenzene	ug/L	<1.0	1.0	02/21/18 09:33	
1,2-Dichloroethane	ug/L	<1.0	1.0	02/21/18 09:33	
1,2-Dichloroethene (Total)	ug/L	<1.0	1.0	02/21/18 09:33	
1,2-Dichloropropane	ug/L	<1.0	1.0	02/21/18 09:33	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	02/21/18 09:33	
1,4-Dichlorobenzene	ug/L	<1.0	1.0	02/21/18 09:33	
2-Butanone (MEK)	ug/L	<5.0	5.0	02/21/18 09:33	N3
2-Hexanone	ug/L	<5.0	5.0	02/21/18 09:33	N3
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	02/21/18 09:33	N3
Acetone	ug/L	<5.0	5.0	02/21/18 09:33	
Benzene	ug/L	<1.0	1.0	02/21/18 09:33	
Bromodichloromethane	ug/L	<1.0	1.0	02/21/18 09:33	
Bromoform	ug/L	<1.0	1.0	02/21/18 09:33	
Bromomethane	ug/L	<1.0	1.0	02/21/18 09:33	
Carbon disulfide	ug/L	<1.0	1.0	02/21/18 09:33	N3
Carbon tetrachloride	ug/L	<1.0	1.0	02/21/18 09:33	
Chlorobenzene	ug/L	<1.0	1.0	02/21/18 09:33	
Chloroethane	ug/L	<1.0	1.0	02/21/18 09:33	
Chloroform	ug/L	<1.0	1.0	02/21/18 09:33	
Chloromethane	ug/L	<1.0	1.0	02/21/18 09:33	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	02/21/18 09:33	
Dibromochloromethane	ug/L	<1.0	1.0	02/21/18 09:33	
Ethylbenzene	ug/L	<1.0	1.0	02/21/18 09:33	
m&p-Xylene	ug/L	<1.0	1.0	02/21/18 09:33	
Methyl-tert-butyl ether	ug/L	<1.0	1.0	02/21/18 09:33	
Methylene Chloride	ug/L	<1.0	1.0	02/21/18 09:33	
o-Xylene	ug/L	<1.0	1.0	02/21/18 09:33	
Styrene	ug/L	<1.0	1.0	02/21/18 09:33	
Tetrachloroethene	ug/L	<1.0	1.0	02/21/18 09:33	
Toluene	ug/L	<1.0	1.0	02/21/18 09:33	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	02/21/18 09:33	
Trichloroethene	ug/L	<1.0	1.0	02/21/18 09:33	
Vinyl chloride	ug/L	<1.0	1.0	02/21/18 09:33	
Xylene (Total)	ug/L	<1.0	1.0	02/21/18 09:33	
1,2-Dichloroethane-d4 (S)	%	100	68-153	02/21/18 09:33	
4-Bromofluorobenzene (S)	%	96	79-124	02/21/18 09:33	

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QUALITY CONTROL DATA

Project: M1, PELHAM BAY LANDFILL 2/21
Pace Project No.: 7043497

METHOD BLANK: 263411 Matrix: Water
Associated Lab Samples: 7043497006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene-d8 (S)	%	96	69-124	02/21/18 09:33	

LABORATORY CONTROL SAMPLE: 263412

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	18.9	95	52-162	
1,1,2,2-Tetrachloroethane	ug/L	20	21.1	105	60-138	
1,1,2-Trichloroethane	ug/L	20	20.8	104	52-150	
1,1-Dichloroethane	ug/L	20	22.1	111	49-155	
1,1-Dichloroethene	ug/L	20	20.3	102	10-234	
1,2-Dichlorobenzene	ug/L	20	19.9	100	18-190	
1,2-Dichloroethane	ug/L	20	19.6	98	49-155	
1,2-Dichloroethene (Total)	ug/L	40	41.8	104	49-112	
1,2-Dichloropropane	ug/L	20	21.2	106	10-210	
1,3-Dichlorobenzene	ug/L	20	20.4	102	59-156	
1,4-Dichlorobenzene	ug/L	20	20.5	103	18-190	
2-Butanone (MEK)	ug/L	20	42.0	210	36-168	CH,IH,L1,N3
2-Hexanone	ug/L	20	20.2	101	56-136	N3
4-Methyl-2-pentanone (MIBK)	ug/L	20	20.6	103	60-135	N3
Acetone	ug/L	20	19.9	99	35-139	CH
Benzene	ug/L	20	20.7	103	37-151	
Bromodichloromethane	ug/L	20	19.9	100	33-155	
Bromoform	ug/L	20	17.6	88	45-169	
Bromomethane	ug/L	20	20.4	102	10-242	
Carbon disulfide	ug/L	20	18.9	95	61-126	N3
Carbon tetrachloride	ug/L	20	18.1	91	70-140	
Chlorobenzene	ug/L	20	19.1	96	37-160	
Chloroethane	ug/L	20	20.1	101	14-230	
Chloroform	ug/L	20	20.4	102	51-138	
Chloromethane	ug/L	20	20.9	104	20-273	
cis-1,3-Dichloropropene	ug/L	20	22.1	110	10-227	
Dibromochloromethane	ug/L	20	17.9	90	53-149	
Ethylbenzene	ug/L	20	18.6	93	37-162	
m&p-Xylene	ug/L	40	37.8	94	67-118	
Methyl-tert-butyl ether	ug/L	20	18.9	94	44-170	
Methylene Chloride	ug/L	20	19.3	96	10-221	
o-Xylene	ug/L	20	19.3	96	67-118	
Styrene	ug/L	20	19.2	96	50-150	
Tetrachloroethene	ug/L	20	18.3	92	64-148	
Toluene	ug/L	20	19.9	100	47-150	
trans-1,3-Dichloropropene	ug/L	20	21.6	108	17-183	
Trichloroethene	ug/L	20	18.2	91	71-157	
Vinyl chloride	ug/L	20	20.4	102	10-251	
Xylene (Total)	ug/L	60	57.1	95	56-147	

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QUALITY CONTROL DATA

Project: M1, PELHAM BAY LANDFILL 2/21
Pace Project No.: 7043497

LABORATORY CONTROL SAMPLE: 263412

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane-d4 (S)	%			103	68-153	
4-Bromofluorobenzene (S)	%			99	79-124	
Toluene-d8 (S)	%			98	69-124	

MATRIX SPIKE SAMPLE: 263414

Parameter	Units	7043435002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	20	20.3	101	52-162	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	20	19.7	99	60-138	
1,1,2-Trichloroethane	ug/L	<1.0	20	19.1	95	52-150	
1,1-Dichloroethane	ug/L	<1.0	20	23.3	116	49-155	
1,1-Dichloroethene	ug/L	<1.0	20	22.9	115	10-234	
1,2-Dichlorobenzene	ug/L	<1.0	20	19.0	95	18-190	
1,2-Dichloroethane	ug/L	<1.0	20	18.8	94	49-155	
1,2-Dichloroethene (Total)	ug/L	<1.0	40	44.1	110	49-112	
1,2-Dichloropropane	ug/L	<1.0	20	21.2	106	10-210	
1,3-Dichlorobenzene	ug/L	<1.0	20	19.8	99	59-156	
1,4-Dichlorobenzene	ug/L	<1.0	20	19.6	98	18-190	
2-Butanone (MEK)	ug/L	<5.0	20	42.2	211	36-168	CH,IH,M0,N3
2-Hexanone	ug/L	<5.0	20	21.8	109	56-136	N3
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	20	19.8	99	60-135	N3
Acetone	ug/L	<5.0	20	55.1	276	35-139	CH,M1
Benzene	ug/L	<1.0	20	21.9	109	37-151	
Bromodichloromethane	ug/L	<1.0	20	19.3	97	33-155	
Bromoform	ug/L	<1.0	20	15.2	76	45-169	
Bromomethane	ug/L	<1.0	20	20.8	104	10-242	
Carbon disulfide	ug/L	<1.0	20	21.5	107	61-126	N3
Carbon tetrachloride	ug/L	<1.0	20	18.9	94	70-140	
Chlorobenzene	ug/L	<1.0	20	18.6	93	37-160	
Chloroethane	ug/L	<1.0	20	22.0	110	14-230	
Chloroform	ug/L	1.0	20	22.2	106	51-138	
Chloromethane	ug/L	<1.0	20	24.1	120	20-273	
cis-1,3-Dichloropropene	ug/L	<1.0	20	20.6	103	10-227	
Dibromochloromethane	ug/L	<1.0	20	16.3	81	53-149	
Ethylbenzene	ug/L	<1.0	20	18.8	94	37-162	
m&p-Xylene	ug/L	<1.0	40	38.1	95	67-118	
Methyl-tert-butyl ether	ug/L	<1.0	20	17.7	89	44-170	
Methylene Chloride	ug/L	<1.0	20	20.3	102	10-221	
o-Xylene	ug/L	<1.0	20	19.0	95	67-118	
Styrene	ug/L	<1.0	20	18.9	94	50-150	
Tetrachloroethene	ug/L	<1.0	20	19.1	95	64-148	
Toluene	ug/L	<1.0	20	20.6	103	47-150	
trans-1,3-Dichloropropene	ug/L	<1.0	20	19.0	95	17-183	
Trichloroethene	ug/L	<1.0	20	19.3	97	71-157	
Vinyl chloride	ug/L	<1.0	20	23.5	117	10-251	

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QUALITY CONTROL DATA

Project: M1, PELHAM BAY LANDFILL 2/21
Pace Project No.: 7043497

MATRIX SPIKE SAMPLE: 263414

Parameter	Units	7043435002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	<1.0	60	57.0	95	56-147	
1,2-Dichloroethane-d4 (S)	%				106	68-153	
4-Bromofluorobenzene (S)	%				99	79-124	
Toluene-d8 (S)	%				98	69-124	

SAMPLE DUPLICATE: 263413

Parameter	Units	7043435001 Result	Dup Result	RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	<1.0		
1,1,2,2-Tetrachloroethane	ug/L	<1.0	<1.0		
1,1,2-Trichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethene	ug/L	<1.0	<1.0		
1,2-Dichlorobenzene	ug/L	<1.0	<1.0		
1,2-Dichloroethane	ug/L	<1.0	<1.0		
1,2-Dichloroethene (Total)	ug/L	<1.0	<1.0		
1,2-Dichloropropane	ug/L	<1.0	<1.0		
1,3-Dichlorobenzene	ug/L	<1.0	<1.0		
1,4-Dichlorobenzene	ug/L	<1.0	<1.0		
2-Butanone (MEK)	ug/L	12.2	12.2	0	CH,IH,N3
2-Hexanone	ug/L	<5.0	<5.0		N3
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	<5.0		N3
Acetone	ug/L	70.0	64.7	8	CH
Benzene	ug/L	<1.0	<1.0		
Bromodichloromethane	ug/L	<1.0	<1.0		
Bromoform	ug/L	<1.0	<1.0		
Bromomethane	ug/L	<1.0	<1.0		
Carbon disulfide	ug/L	<1.0	<1.0		N3
Carbon tetrachloride	ug/L	<1.0	<1.0		
Chlorobenzene	ug/L	<1.0	<1.0		
Chloroethane	ug/L	<1.0	<1.0		
Chloroform	ug/L	3.1	3.1	1	
Chloromethane	ug/L	<1.0	<1.0		
cis-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Dibromochloromethane	ug/L	<1.0	<1.0		
Ethylbenzene	ug/L	<1.0	<1.0		
m&p-Xylene	ug/L	<1.0	<1.0		
Methyl-tert-butyl ether	ug/L	<1.0	<1.0		
Methylene Chloride	ug/L	1.9	1.8	4	
o-Xylene	ug/L	<1.0	<1.0		
Styrene	ug/L	<1.0	<1.0		
Tetrachloroethene	ug/L	1.3	1.4	6	
Toluene	ug/L	1.5	1.5	1	
trans-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Trichloroethene	ug/L	<1.0	<1.0		

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QUALITY CONTROL DATA

Project: M1, PELHAM BAY LANDFILL 2/21
Pace Project No.: 7043497

SAMPLE DUPLICATE: 263413

Parameter	Units	7043435001 Result	Dup Result	RPD	Qualifiers
Vinyl chloride	ug/L	<1.0	<1.0		
Xylene (Total)	ug/L	<1.0	<1.0		
1,2-Dichloroethane-d4 (S)	%	99	99	0	
4-Bromofluorobenzene (S)	%	96	95	1	
Toluene-d8 (S)	%	98	99	2	

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QUALITY CONTROL DATA

Project: M1, PELHAM BAY LANDFILL 2/21
Pace Project No.: 7043497

QC Batch: 57432
QC Batch Method: EPA 608
Analysis Method: EPA 608
Analysis Description: 608 GCS PCB Mod
Associated Lab Samples: 7043497005

METHOD BLANK: 263888
Matrix: Water
Associated Lab Samples: 7043497005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	<0.065	0.065	02/23/18 08:59	
PCB-1221 (Aroclor 1221)	ug/L	<0.065	0.065	02/23/18 08:59	
PCB-1232 (Aroclor 1232)	ug/L	<0.065	0.065	02/23/18 08:59	
PCB-1242 (Aroclor 1242)	ug/L	<0.065	0.065	02/23/18 08:59	
PCB-1248 (Aroclor 1248)	ug/L	<0.065	0.065	02/23/18 08:59	
PCB-1254 (Aroclor 1254)	ug/L	<0.065	0.065	02/23/18 08:59	
PCB-1260 (Aroclor 1260)	ug/L	<0.065	0.065	02/23/18 08:59	
Decachlorobiphenyl (S)	%	89	10-149	02/23/18 08:59	
Tetrachloro-m-xylene (S)	%	73	10-149	02/23/18 08:59	

LABORATORY CONTROL SAMPLE: 263889

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L		0.36			
PCB-1260 (Aroclor 1260)	ug/L	1	0.40	40	51-144	
Decachlorobiphenyl (S)	%			69	10-149	
Tetrachloro-m-xylene (S)	%			61	16-128	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 263890 263891

Parameter	Units	7043614001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
PCB-1016 (Aroclor 1016)	ug/L	<0.065			0.50	0.49				2	
PCB-1221 (Aroclor 1221)	ug/L	<0.065			<0.065	<0.065					
PCB-1232 (Aroclor 1232)	ug/L	<0.065			<0.065	<0.065					
PCB-1242 (Aroclor 1242)	ug/L	<0.065			<0.065	<0.065					
PCB-1248 (Aroclor 1248)	ug/L	<0.065			<0.065	<0.065					
PCB-1254 (Aroclor 1254)	ug/L	<0.065			<0.065	<0.065					
PCB-1260 (Aroclor 1260)	ug/L	<0.065	1	1	0.62	0.68	62	68	51-144	9	
Decachlorobiphenyl (S)	%						139	131	10-149		
Tetrachloro-m-xylene (S)	%						83	74	10-149		

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QUALITY CONTROL DATA

Project: M1, PELHAM BAY LANDFILL 2/21
Pace Project No.: 7043497

QC Batch: 57481 Analysis Method: EPA 625
QC Batch Method: EPA 625 SF Analysis Description: 625 MSS
Associated Lab Samples: 7043497005

METHOD BLANK: 264002 Matrix: Water
Associated Lab Samples: 7043497005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	<1.0	1.0	02/26/18 12:03	
2,2'-Oxybis(1-chloropropane)	ug/L	<1.0	1.0	02/26/18 12:03	
2,4,5-Trichlorophenol	ug/L	<1.0	1.0	02/26/18 12:03	
2,4,6-Trichlorophenol	ug/L	<1.0	1.0	02/26/18 12:03	
2,4-Dichlorophenol	ug/L	<1.0	1.0	02/26/18 12:03	
2,4-Dimethylphenol	ug/L	<5.0	5.0	02/26/18 12:03	
2,4-Dinitrophenol	ug/L	<5.0	5.0	02/26/18 12:03	
2,4-Dinitrotoluene	ug/L	<1.0	1.0	02/26/18 12:03	
2,6-Dinitrotoluene	ug/L	<1.0	1.0	02/26/18 12:03	
2-Chloronaphthalene	ug/L	<1.0	1.0	02/26/18 12:03	
2-Chlorophenol	ug/L	<1.0	1.0	02/26/18 12:03	
2-Methylnaphthalene	ug/L	<1.0	1.0	02/26/18 12:03	N3
2-Methylphenol(o-Cresol)	ug/L	<1.0	1.0	02/26/18 12:03	
2-Nitroaniline	ug/L	<1.0	1.0	02/26/18 12:03	N3
2-Nitrophenol	ug/L	<1.0	1.0	02/26/18 12:03	
3&4-Methylphenol(m&p Cresol)	ug/L	<1.0	1.0	02/26/18 12:03	
3,3'-Dichlorobenzidine	ug/L	<1.0	1.0	02/26/18 12:03	CL
3-Nitroaniline	ug/L	<1.0	1.0	02/26/18 12:03	N3
4,6-Dinitro-2-methylphenol	ug/L	<5.0	5.0	02/26/18 12:03	
4-Bromophenylphenyl ether	ug/L	<1.0	1.0	02/26/18 12:03	
4-Chloro-3-methylphenol	ug/L	<1.0	1.0	02/26/18 12:03	
4-Chloroaniline	ug/L	<1.0	1.0	02/26/18 12:03	N3
4-Chlorophenylphenyl ether	ug/L	<1.0	1.0	02/26/18 12:03	
4-Nitroaniline	ug/L	<1.0	1.0	02/26/18 12:03	N3
4-Nitrophenol	ug/L	<5.0	5.0	02/26/18 12:03	
Acenaphthene	ug/L	<1.0	1.0	02/26/18 12:03	
Acenaphthylene	ug/L	<1.0	1.0	02/26/18 12:03	
Anthracene	ug/L	<1.0	1.0	02/26/18 12:03	
Benzo(a)anthracene	ug/L	<1.0	1.0	02/26/18 12:03	
Benzo(a)pyrene	ug/L	<1.0	1.0	02/26/18 12:03	
Benzo(b)fluoranthene	ug/L	<1.0	1.0	02/26/18 12:03	
Benzo(g,h,i)perylene	ug/L	<1.0	1.0	02/26/18 12:03	
Benzo(k)fluoranthene	ug/L	<1.0	1.0	02/26/18 12:03	
bis(2-Chloroethoxy)methane	ug/L	<1.0	1.0	02/26/18 12:03	
bis(2-Chloroethyl) ether	ug/L	<1.0	1.0	02/26/18 12:03	
bis(2-Ethylhexyl)phthalate	ug/L	<1.0	1.0	02/26/18 12:03	
Butylbenzylphthalate	ug/L	<1.0	1.0	02/26/18 12:03	
Carbazole	ug/L	<1.0	1.0	02/26/18 12:03	
Chrysene	ug/L	<1.0	1.0	02/26/18 12:03	
Di-n-butylphthalate	ug/L	<1.0	1.0	02/26/18 12:03	
Di-n-octylphthalate	ug/L	<1.0	1.0	02/26/18 12:03	

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QUALITY CONTROL DATA

Project: M1, PELHAM BAY LANDFILL 2/21
Pace Project No.: 7043497

METHOD BLANK: 264002 Matrix: Water
Associated Lab Samples: 7043497005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibenz(a,h)anthracene	ug/L	<1.0	1.0	02/26/18 12:03	
Diethylphthalate	ug/L	<1.0	1.0	02/26/18 12:03	
Dimethylphthalate	ug/L	<1.0	1.0	02/26/18 12:03	
Fluoranthene	ug/L	<1.0	1.0	02/26/18 12:03	
Fluorene	ug/L	<1.0	1.0	02/26/18 12:03	
Hexachloro-1,3-butadiene	ug/L	<1.0	1.0	02/26/18 12:03	
Hexachlorobenzene	ug/L	<1.0	1.0	02/26/18 12:03	
Hexachlorocyclopentadiene	ug/L	<5.0	5.0	02/26/18 12:03	CL
Hexachloroethane	ug/L	<1.0	1.0	02/26/18 12:03	
Indeno(1,2,3-cd)pyrene	ug/L	<1.0	1.0	02/26/18 12:03	
Isophorone	ug/L	<1.0	1.0	02/26/18 12:03	
N-Nitroso-di-n-propylamine	ug/L	<1.0	1.0	02/26/18 12:03	
N-Nitrosodiphenylamine	ug/L	<1.0	1.0	02/26/18 12:03	
Naphthalene	ug/L	<1.0	1.0	02/26/18 12:03	
Nitrobenzene	ug/L	<1.0	1.0	02/26/18 12:03	
Pentachlorophenol	ug/L	<5.0	5.0	02/26/18 12:03	CL
Phenanthrene	ug/L	<1.0	1.0	02/26/18 12:03	
Phenol	ug/L	<1.0	1.0	02/26/18 12:03	
Pyrene	ug/L	<1.0	1.0	02/26/18 12:03	
1,2-Dichlorobenzene-d4 (S)	%	71	16-110	02/26/18 12:03	
2,4,6-Tribromophenol (S)	%	97	10-123	02/26/18 12:03	
2-Chlorophenol-d4 (S)	%	95	33-110	02/26/18 12:03	
2-Fluorobiphenyl (S)	%	87	43-116	02/26/18 12:03	
2-Fluorophenol (S)	%	57	21-110	02/26/18 12:03	
Nitrobenzene-d5 (S)	%	102	35-114	02/26/18 12:03	
p-Terphenyl-d14 (S)	%	101	33-141	02/26/18 12:03	
Phenol-d5 (S)	%	39	10-110	02/26/18 12:03	

LABORATORY CONTROL SAMPLE: 264003

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	51.0	102	25-129	
2,2'-Oxybis(1-chloropropane)	ug/L	50	39.3	79	28-146	
2,4,5-Trichlorophenol	ug/L	50	53.4	107	41-121	
2,4,6-Trichlorophenol	ug/L	50	50.9	102	53-131	
2,4-Dichlorophenol	ug/L	50	53.9	108	46-130	
2,4-Dimethylphenol	ug/L	50	34.7	69	39-135	CH
2,4-Dinitrophenol	ug/L	50	23.5	47	11-101	
2,4-Dinitrotoluene	ug/L	50	55.5	111	48-134	
2,6-Dinitrotoluene	ug/L	50	47.3	95	48-136	
2-Chloronaphthalene	ug/L	50	52.3	105	47-123	
2-Chlorophenol	ug/L	50	48.1	96	48-116	
2-Methylnaphthalene	ug/L	50	47.8	96	25-98	N3
2-Methylphenol(o-Cresol)	ug/L	50	35.8	72	41-131	

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QUALITY CONTROL DATA

Project: M1, PELHAM BAY LANDFILL 2/21
Pace Project No.: 7043497

LABORATORY CONTROL SAMPLE: 264003

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Nitroaniline	ug/L	50	49.1	98	55-115	N3
2-Nitrophenol	ug/L	50	51.9	104	36-115	
3&4-Methylphenol(m&p Cresol)	ug/L	50	33.9	68	43-119	
3,3'-Dichlorobenzidine	ug/L	50	53.2	106	20-132	CL
3-Nitroaniline	ug/L	50	51.8	104	51-123	N3
4,6-Dinitro-2-methylphenol	ug/L	50	39.1	78	47-107	
4-Bromophenylphenyl ether	ug/L	50	49.5	99	50-142	
4-Chloro-3-methylphenol	ug/L	50	56.4	113	45-135	
4-Chloroaniline	ug/L	50	55.8	112	55-102	L1,N3
4-Chlorophenylphenyl ether	ug/L	50	54.4	109	50-130	
4-Nitroaniline	ug/L	50	51.8	104	63-116	N3
4-Nitrophenol	ug/L	50	28.2	56	10-102	
Acenaphthene	ug/L	50	50.6	101	51-133	
Acenaphthylene	ug/L	50	50.6	101	36-132	
Anthracene	ug/L	50	49.8	100	61-135	
Benzo(a)anthracene	ug/L	50	54.9	110	56-136	
Benzo(a)pyrene	ug/L	50	57.7	115	47-141	
Benzo(b)fluoranthene	ug/L	50	63.5	127	43-147	
Benzo(g,h,i)perylene	ug/L	50	65.0	130	25-153	CH
Benzo(k)fluoranthene	ug/L	50	52.3	105	53-159	
bis(2-Chloroethoxy)methane	ug/L	50	52.6	105	20-148	
bis(2-Chloroethyl) ether	ug/L	50	47.8	96	39-111	
bis(2-Ethylhexyl)phthalate	ug/L	50	56.6	113	33-193	
Butylbenzylphthalate	ug/L	50	51.4	103	49-135	
Carbazole	ug/L	50	49.3	99	49-116	
Chrysene	ug/L	50	51.9	104	38-170	
Di-n-butylphthalate	ug/L	50	47.1	94	44-144	
Di-n-octylphthalate	ug/L	50	57.9	116	45-155	
Dibenz(a,h)anthracene	ug/L	50	64.6	129	15-185	
Diethylphthalate	ug/L	50	52.7	105	24-156	
Dimethylphthalate	ug/L	50	50.5	101	10-162	
Fluoranthene	ug/L	50	52.9	106	61-135	
Fluorene	ug/L	50	53.2	106	55-129	
Hexachloro-1,3-butadiene	ug/L	50	50.6	101	11-135	
Hexachlorobenzene	ug/L	50	49.4	99	56-154	
Hexachlorocyclopentadiene	ug/L	50	59.2	118	13-119	CL,IH
Hexachloroethane	ug/L	50	43.0	86	41-119	
Indeno(1,2,3-cd)pyrene	ug/L	50	67.4	135	26-156	CH
Isophorone	ug/L	50	48.0	96	33-131	
N-Nitroso-di-n-propylamine	ug/L	50	45.5	91	50-135	
N-Nitrosodiphenylamine	ug/L	50	49.4	99	27-135	
Naphthalene	ug/L	50	50.3	101	47-117	
Nitrobenzene	ug/L	50	51.5	103	48-126	
Pentachlorophenol	ug/L	50	33.8	68	14-124	CL,IH
Phenanthrene	ug/L	50	52.2	104	57-135	
Phenol	ug/L	50	19.5	39	10-99	
Pyrene	ug/L	50	47.3	95	58-113	

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QUALITY CONTROL DATA

Project: M1, PELHAM BAY LANDFILL 2/21
Pace Project No.: 7043497

LABORATORY CONTROL SAMPLE: 264003

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene-d4 (S)	%			78	16-110	
2,4,6-Tribromophenol (S)	%			106	10-123	
2-Chlorophenol-d4 (S)	%			98	33-110	
2-Fluorobiphenyl (S)	%			91	43-116	
2-Fluorophenol (S)	%			55	21-110	
Nitrobenzene-d5 (S)	%			101	35-114	
p-Terphenyl-d14 (S)	%			100	33-141	
Phenol-d5 (S)	%			38	10-110	

MATRIX SPIKE SAMPLE: 264030

Parameter	Units	30244117001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	47.6	39.3	82	25-129	
2,2'-Oxybis(1-chloropropane)	ug/L	ND	47.6	29.7	62	28-146	
2,4,5-Trichlorophenol	ug/L	ND	47.6	47.9	100	41-121	
2,4,6-Trichlorophenol	ug/L	ND	47.6	42.6	89	53-131	
2,4-Dichlorophenol	ug/L	ND	47.6	40.5	85	46-130	
2,4-Dimethylphenol	ug/L	ND	47.6	25.8	54	39-135	CH
2,4-Dinitrophenol	ug/L	ND	47.6	26.5	56	11-101	
2,4-Dinitrotoluene	ug/L	ND	47.6	51.1	107	48-134	
2,6-Dinitrotoluene	ug/L	ND	47.6	44.6	94	48-136	
2-Chloronaphthalene	ug/L	ND	47.6	47.0	99	47-123	
2-Chlorophenol	ug/L	ND	47.6	35.2	74	48-116	
2-Methylnaphthalene	ug/L	ND	47.6	38.5	81	25-98	N3
2-Methylphenol(o-Cresol)	ug/L	ND	47.6	19.2	40	41-131	M1
2-Nitroaniline	ug/L	ND	47.6	45.1	95	55-115	N3
2-Nitrophenol	ug/L	ND	47.6	40.5	85	36-115	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	47.6	19.9	42	43-119	M1
3,3'-Dichlorobenzidine	ug/L	ND	47.6	44.2	93	20-132	CL
3-Nitroaniline	ug/L	ND	47.6	46.1	97	51-123	N3
4,6-Dinitro-2-methylphenol	ug/L	ND	47.6	42.6	90	47-107	
4-Bromophenylphenyl ether	ug/L	ND	47.6	47.6	100	50-142	
4-Chloro-3-methylphenol	ug/L	ND	47.6	47.5	100	45-135	
4-Chloroaniline	ug/L	ND	47.6	41.2	87	55-102	N3
4-Chlorophenylphenyl ether	ug/L	ND	47.6	48.2	101	50-130	
4-Nitroaniline	ug/L	ND	47.6	48.4	102	63-116	N3
4-Nitrophenol	ug/L	ND	47.6	16.7	35	10-102	
Acenaphthene	ug/L	ND	47.6	42.2	89	51-133	
Acenaphthylene	ug/L	ND	47.6	43.2	91	36-132	
Anthracene	ug/L	ND	47.6	45.4	95	61-135	
Benzo(a)anthracene	ug/L	ND	47.6	51.2	107	56-136	
Benzo(a)pyrene	ug/L	ND	47.6	50.6	106	47-141	
Benzo(b)fluoranthene	ug/L	ND	47.6	58.1	122	43-147	
Benzo(g,h,i)perylene	ug/L	ND	47.6	60.4	127	25-153	CH
Benzo(k)fluoranthene	ug/L	ND	47.6	45.2	95	53-159	

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QUALITY CONTROL DATA

Project: M1, PELHAM BAY LANDFILL 2/21
Pace Project No.: 7043497

MATRIX SPIKE SAMPLE: 264030

Parameter	Units	30244117001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
bis(2-Chloroethoxy)methane	ug/L	ND	47.6	39.1	82	20-148	
bis(2-Chloroethyl) ether	ug/L	ND	47.6	34.5	73	39-111	
bis(2-Ethylhexyl)phthalate	ug/L	ND	47.6	50.0	105	33-193	
Butylbenzylphthalate	ug/L	ND	47.6	48.9	103	49-135	
Carbazole	ug/L	ND	47.6	43.7	92	49-116	
Chrysene	ug/L	ND	47.6	44.2	93	38-170	
Di-n-butylphthalate	ug/L	ND	47.6	50.6	106	44-144	
Di-n-octylphthalate	ug/L	ND	47.6	51.6	108	45-155	
Dibenz(a,h)anthracene	ug/L	ND	47.6	59.3	124	15-185	
Diethylphthalate	ug/L	ND	47.6	49.7	104	24-156	
Dimethylphthalate	ug/L	ND	47.6	45.0	94	10-162	
Fluoranthene	ug/L	ND	47.6	47.2	99	61-135	
Fluorene	ug/L	ND	47.6	47.6	100	55-129	
Hexachloro-1,3-butadiene	ug/L	ND	47.6	39.5	83	11-135	
Hexachlorobenzene	ug/L	ND	47.6	44.8	94	56-154	
Hexachlorocyclopentadiene	ug/L	ND	47.6	45.9	96	13-119	CL,IH
Hexachloroethane	ug/L	ND	47.6	32.8	69	41-119	
Indeno(1,2,3-cd)pyrene	ug/L	ND	47.6	62.1	130	26-156	CH
Isophorone	ug/L	ND	47.6	35.3	74	33-131	
N-Nitroso-di-n-propylamine	ug/L	ND	47.6	36.6	77	50-135	
N-Nitrosodiphenylamine	ug/L	ND	47.6	43.0	90	27-135	
Naphthalene	ug/L	ND	47.6	39.2	82	47-117	
Nitrobenzene	ug/L	ND	47.6	38.9	82	48-126	
Pentachlorophenol	ug/L	ND	47.6	31.7	67	14-124	CL,IH
Phenanthrene	ug/L	ND	47.6	43.5	91	57-135	
Phenol	ug/L	ND	47.6	8.9	19	10-99	
Pyrene	ug/L	ND	47.6	40.6	85	58-113	
1,2-Dichlorobenzene-d4 (S)	%				65	16-110	
2,4,6-Tribromophenol (S)	%				104	10-123	
2-Chlorophenol-d4 (S)	%				77	33-110	
2-Fluorobiphenyl (S)	%				83	43-116	
2-Fluorophenol (S)	%				30	21-110	
Nitrobenzene-d5 (S)	%				85	35-114	
p-Terphenyl-d14 (S)	%				99	33-141	
Phenol-d5 (S)	%				18	10-110	

SAMPLE DUPLICATE: 264031

Parameter	Units	30244117005 Result	Dup Result	RPD	Qualifiers
1,2,4-Trichlorobenzene	ug/L	13.4	13.0	3	
2,2'-Oxybis(1-chloropropane)	ug/L	ND	<0.95		
2,4,5-Trichlorophenol	ug/L	ND	<0.95		
2,4,6-Trichlorophenol	ug/L	ND	<0.95		
2,4-Dichlorophenol	ug/L	ND	<0.95		
2,4-Dimethylphenol	ug/L	ND	<4.8		

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QUALITY CONTROL DATA

Project: M1, PELHAM BAY LANDFILL 2/21
Pace Project No.: 7043497

SAMPLE DUPLICATE: 264031

Parameter	Units	30244117005 Result	Dup Result	RPD	Qualifiers
2,4-Dinitrophenol	ug/L	ND	<4.8		
2,4-Dinitrotoluene	ug/L	ND	<0.95		
2,6-Dinitrotoluene	ug/L	ND	<0.95		
2-Chloronaphthalene	ug/L	ND	<0.95		
2-Chlorophenol	ug/L	ND	<0.95		
2-Methylnaphthalene	ug/L	ND	<0.95		N3
2-Methylphenol(o-Cresol)	ug/L	3.9	1.5	91	D6
2-Nitroaniline	ug/L	ND	<0.95		N3
2-Nitrophenol	ug/L	ND	<0.95		
3&4-Methylphenol(m&p Cresol)	ug/L	1.4	<0.95		
3,3'-Dichlorobenzidine	ug/L	ND	<0.95		CL
3-Nitroaniline	ug/L	ND	<0.95		N3
4,6-Dinitro-2-methylphenol	ug/L	ND	<4.8		
4-Bromophenylphenyl ether	ug/L	ND	<0.95		
4-Chloro-3-methylphenol	ug/L	ND	<0.95		
4-Chloroaniline	ug/L	ND	<0.95		N3
4-Chlorophenylphenyl ether	ug/L	ND	<0.95		
4-Nitroaniline	ug/L	ND	<0.95		N3
4-Nitrophenol	ug/L	ND	<4.8		
Acenaphthene	ug/L	ND	<0.95		
Acenaphthylene	ug/L	ND	<0.95		
Anthracene	ug/L	ND	<0.95		
Benzo(a)anthracene	ug/L	ND	<0.95		
Benzo(a)pyrene	ug/L	ND	<0.95		
Benzo(b)fluoranthene	ug/L	ND	<0.95		
Benzo(g,h,i)perylene	ug/L	ND	<0.95		
Benzo(k)fluoranthene	ug/L	ND	<0.95		
bis(2-Chloroethoxy)methane	ug/L	ND	<0.95		
bis(2-Chloroethyl) ether	ug/L	ND	<0.95		
bis(2-Ethylhexyl)phthalate	ug/L	ND	0.99		
Butylbenzylphthalate	ug/L	ND	<0.95		
Carbazole	ug/L	ND	<0.95		
Chrysene	ug/L	ND	<0.95		
Di-n-butylphthalate	ug/L	ND	<0.95		
Di-n-octylphthalate	ug/L	ND	<0.95		
Dibenz(a,h)anthracene	ug/L	ND	<0.95		
Diethylphthalate	ug/L	ND	<0.95		
Dimethylphthalate	ug/L	ND	<0.95		
Fluoranthene	ug/L	ND	<0.95		
Fluorene	ug/L	ND	<0.95		
Hexachloro-1,3-butadiene	ug/L	ND	<0.95		
Hexachlorobenzene	ug/L	ND	<0.95		
Hexachlorocyclopentadiene	ug/L	ND	<4.8		CL
Hexachloroethane	ug/L	ND	<0.95		
Indeno(1,2,3-cd)pyrene	ug/L	ND	<0.95		
Isophorone	ug/L	ND	<0.95		
N-Nitroso-di-n-propylamine	ug/L	ND	<0.95		

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QUALITY CONTROL DATA

Project: M1, PELHAM BAY LANDFILL 2/21
Pace Project No.: 7043497

SAMPLE DUPLICATE: 264031

Parameter	Units	30244117005 Result	Dup Result	RPD	Qualifiers
N-Nitrosodiphenylamine	ug/L	ND	<0.95		
Naphthalene	ug/L	ND	<0.95		
Nitrobenzene	ug/L	ND	<0.95		
Pentachlorophenol	ug/L	ND	<4.8		CL
Phenanthrene	ug/L	ND	<0.95		
Phenol	ug/L	ND	<0.95		
Pyrene	ug/L	ND	<0.95		
1,2-Dichlorobenzene-d4 (S)	%	59	50	15	
2,4,6-Tribromophenol (S)	%	98	9	167	S0
2-Chlorophenol-d4 (S)	%	70	55	24	
2-Fluorobiphenyl (S)	%	69	67	4	
2-Fluorophenol (S)	%	32	22	38	
Nitrobenzene-d5 (S)	%	70	58	18	
p-Terphenyl-d14 (S)	%	99	108	9	
Phenol-d5 (S)	%	21	8	92	S0

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QUALITY CONTROL DATA

Project: M1, PELHAM BAY LANDFILL 2/21
Pace Project No.: 7043497

QC Batch: 58498 Analysis Method: EPA 1664A
QC Batch Method: EPA 1664A Analysis Description: 1664 HEM, Oil and Grease
Associated Lab Samples: 7043497001, 7043497002, 7043497003, 7043497004

METHOD BLANK: 268251 Matrix: Water
Associated Lab Samples: 7043497001, 7043497002, 7043497003, 7043497004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	<5.0	5.0	03/05/18 14:52	

LABORATORY CONTROL SAMPLE & LCSD: 268252 268253

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	40	35.3	36.3	88	91	78-114	3	20	

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QUALITY CONTROL DATA

Project: M1, PELHAM BAY LANDFILL 2/21
Pace Project No.: 7043497

QC Batch: 57572 Analysis Method: SM22 2540D
QC Batch Method: SM22 2540D Analysis Description: 2540D Total Suspended Solids
Associated Lab Samples: 7043497001, 7043497002

METHOD BLANK: 264330 Matrix: Water
Associated Lab Samples: 7043497001, 7043497002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	<1.0	1.0	02/23/18 17:07	

LABORATORY CONTROL SAMPLE: 264331

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	200	206	103	85-115	

SAMPLE DUPLICATE: 264332

Parameter	Units	7043706001 Result	Dup Result	RPD	Qualifiers
Total Suspended Solids	mg/L	166	180	8	

SAMPLE DUPLICATE: 264333

Parameter	Units	7043497002 Result	Dup Result	RPD	Qualifiers
Total Suspended Solids	mg/L	<10.0	<10.0		

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QUALITY CONTROL DATA

Project: M1, PELHAM BAY LANDFILL 2/21
Pace Project No.: 7043497

QC Batch: 57573 Analysis Method: SM22 2540D
QC Batch Method: SM22 2540D Analysis Description: 2540D Total Suspended Solids
Associated Lab Samples: 7043497003, 7043497004

METHOD BLANK: 264334 Matrix: Water
Associated Lab Samples: 7043497003, 7043497004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	<1.0	1.0	02/23/18 17:36	

LABORATORY CONTROL SAMPLE: 264335

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	200	192	96	85-115	

SAMPLE DUPLICATE: 264336

Parameter	Units	7043576001 Result	Dup Result	RPD	Qualifiers
Total Suspended Solids	mg/L	466	478	3	

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QUALITY CONTROL DATA

Project: M1, PELHAM BAY LANDFILL 2/21
Pace Project No.: 7043497

QC Batch: 57222
QC Batch Method: SM22 3500-Cr B
Analysis Method: SM22 3500-Cr B
Analysis Description: Chromium, Hexavalent by 3500
Associated Lab Samples: 7043497005

METHOD BLANK: 262784 Matrix: Water
Associated Lab Samples: 7043497005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chromium, Hexavalent	mg/L	<0.020	0.020	02/21/18 14:14	

LABORATORY CONTROL SAMPLE: 262785

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	mg/L	.2	0.21	104	85-115	

MATRIX SPIKE SAMPLE: 262786

Parameter	Units	7043497005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	mg/L	<0.020	.2	0.25	123	75-125	

SAMPLE DUPLICATE: 262787

Parameter	Units	7043497005 Result	Dup Result	RPD	Qualifiers
Chromium, Hexavalent	mg/L	<0.020	<0.020		

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QUALITY CONTROL DATA

Project: M1, PELHAM BAY LANDFILL 2/21
Pace Project No.: 7043497

QC Batch: 57266 Analysis Method: SM22 4500-H+B
QC Batch Method: SM22 4500-H+B Analysis Description: 4500H+B pH
Associated Lab Samples: 7043497001, 7043497002, 7043497003, 7043497004

SAMPLE DUPLICATE: 263012

Parameter	Units	7043497001 Result	Dup Result	RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.4	7.4	0	H3,H6,N3

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QUALITY CONTROL DATA

Project: M1, PELHAM BAY LANDFILL 2/21
Pace Project No.: 7043497

QC Batch: 57356
QC Batch Method: SM22 5210B
Analysis Method: SM22 5210B
Analysis Description: 5210B cBOD, 5 day
Associated Lab Samples: 7043497005

METHOD BLANK: 263467 Matrix: Water
Associated Lab Samples: 7043497005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Carbonaceous BOD, 5 day	mg/L	<2.0	2.0	02/27/18 10:32	

LABORATORY CONTROL SAMPLE: 263468

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbonaceous BOD, 5 day	mg/L	198	195	99	84.5-115.4	

SAMPLE DUPLICATE: 263469

Parameter	Units	7043571001 Result	Dup Result	RPD	Qualifiers
Carbonaceous BOD, 5 day	mg/L	187	185	1	

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QUALITY CONTROL DATA

Project: M1, PELHAM BAY LANDFILL 2/21
Pace Project No.: 7043497

QC Batch: 58107
QC Batch Method: EPA 351.2
Analysis Method: EPA 351.2
Analysis Description: 351.2 TKN
Associated Lab Samples: 7043497005

METHOD BLANK: 266661 Matrix: Water
Associated Lab Samples: 7043497005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	<0.10	0.10	03/01/18 13:11	

LABORATORY CONTROL SAMPLE: 266662

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	4	4.1	103	90-110	

MATRIX SPIKE SAMPLE: 266663

Parameter	Units	7043761002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	0.90	4	5.5	114	90-110	M1

MATRIX SPIKE SAMPLE: 266665

Parameter	Units	7044028002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	2.0	4	6.7	117	90-110	M1

SAMPLE DUPLICATE: 266664

Parameter	Units	7043761002 Result	Dup Result	RPD	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	0.90	0.90	0	

SAMPLE DUPLICATE: 266666

Parameter	Units	7044028002 Result	Dup Result	RPD	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	2.0	2.0	1	

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QUALITY CONTROL DATA

Project: M1, PELHAM BAY LANDFILL 2/21
Pace Project No.: 7043497

QC Batch: 57289
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrite, Unpres.
Associated Lab Samples: 7043497005

METHOD BLANK: 263197 Matrix: Water
Associated Lab Samples: 7043497005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	<0.050	0.050	02/21/18 19:58	

LABORATORY CONTROL SAMPLE: 263198

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	1	1.0	102	90-110	

MATRIX SPIKE SAMPLE: 263199

Parameter	Units	7043485001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	.5	0.55	109	90-110	

MATRIX SPIKE SAMPLE: 263201

Parameter	Units	7043557001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	.5	0.52	104	90-110	

SAMPLE DUPLICATE: 263200

Parameter	Units	7043485001 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

SAMPLE DUPLICATE: 263202

Parameter	Units	7043557001 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

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QUALITY CONTROL DATA

Project: M1, PELHAM BAY LANDFILL 2/21
Pace Project No.: 7043497

QC Batch: 57302 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, preserved
Associated Lab Samples: 7043497005

METHOD BLANK: 263280 Matrix: Water
Associated Lab Samples: 7043497005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	0.050	02/21/18 22:28	

LABORATORY CONTROL SAMPLE: 263281

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	1	1.0	100	90-110	

MATRIX SPIKE SAMPLE: 263282

Parameter	Units	7043550001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	5.5	5	10.4	98	90-110	

SAMPLE DUPLICATE: 263283

Parameter	Units	7043550001 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	5.5	5.4	3	

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REPORT OF LABORATORY ANALYSIS

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(631)694-3040

QUALITY CONTROL DATA

Project: M1, PELHAM BAY LANDFILL 2/21
Pace Project No.: 7043497

QC Batch: 58607 Analysis Method: SM22 4500-CN-E
QC Batch Method: SM20/22 4500-CN-C Analysis Description: 4500 CNE Cyanide, Total
Associated Lab Samples: 7043497006

METHOD BLANK: 268682 Matrix: Water
Associated Lab Samples: 7043497006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	ug/L	<10.0	10.0	03/06/18 16:19	

LABORATORY CONTROL SAMPLE: 268683

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	ug/L	75	69.0	92	85-115	

MATRIX SPIKE SAMPLE: 268684

Parameter	Units	7043964001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cyanide	ug/L	<10.0	100	95.4	95	75-125	

SAMPLE DUPLICATE: 268685

Parameter	Units	7043964001 Result	Dup Result	RPD	Qualifiers
Cyanide	ug/L	<10.0	<10.0		

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QUALITY CONTROL DATA

Project: M1, PELHAM BAY LANDFILL 2/21
Pace Project No.: 7043497

QC Batch: 57344
QC Batch Method: SM22 4500-Cl-E
Analysis Method: SM22 4500-Cl-E
Analysis Description: 4500 Chloride
Associated Lab Samples: 7043497005

METHOD BLANK: 263383 Matrix: Water
Associated Lab Samples: 7043497005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<2.0	2.0	02/22/18 12:48	

LABORATORY CONTROL SAMPLE: 263384

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	54.8	110	90-110	

MATRIX SPIKE SAMPLE: 263385

Parameter	Units	7043421001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	11.0	25	39.5	114	80-120	

SAMPLE DUPLICATE: 263386

Parameter	Units	7043421001 Result	Dup Result	RPD	Qualifiers
Chloride	mg/L	11.0	10.9	0	

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QUALIFIERS

Project: M1, PELHAM BAY LANDFILL 2/21
Pace Project No.: 7043497

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
D6	The precision between the sample and sample duplicate exceeded laboratory control limits.
H3	Sample was received or analysis requested beyond the recognized method holding time.
H6	Analysis initiated outside of the 15 minute EPA recommended holding time.
IH	This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
N3	Accreditation is not offered by the relevant laboratory accrediting body for this parameter.
S0	Surrogate recovery outside laboratory control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: M1, PELHAM BAY LANDFILL 2/21
Pace Project No.: 7043497

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7043497005	**M1-24 HOUR FIELD COMPOSITE**	EPA 608	57432	EPA 608	57448
7043497005	**M1-24 HOUR FIELD COMPOSITE**	EPA 200.7	57319	EPA 200.7	57323
7043497005	**M1-24 HOUR FIELD COMPOSITE**	EPA 245.1	57321	EPA 245.1	57326
7043497005	**M1-24 HOUR FIELD COMPOSITE**	EPA 625 SF	57481	EPA 625	57602
7043497006	**M1-GRAB COMPOSITE**	EPA 624	57349		
7043497001	**M1 - 8.00 - GRAB #1**	EPA 1664A	58498		
7043497002	**M1 - 9.00 - GRAB #2**	EPA 1664A	58498		
7043497003	**M1 - 10.00 - GRAB #3**	EPA 1664A	58498		
7043497004	**M1 - 11.00 - GRAB #4**	EPA 1664A	58498		
7043497001	**M1 - 8.00 - GRAB #1**	SM22 2540D	57572		
7043497002	**M1 - 9.00 - GRAB #2**	SM22 2540D	57572		
7043497003	**M1 - 10.00 - GRAB #3**	SM22 2540D	57573		
7043497004	**M1 - 11.00 - GRAB #4**	SM22 2540D	57573		
7043497005	**M1-24 HOUR FIELD COMPOSITE**	SM22 3500-Cr B	57222		
7043497001	**M1 - 8.00 - GRAB #1**	SM22 4500-H+B	57266		
7043497002	**M1 - 9.00 - GRAB #2**	SM22 4500-H+B	57266		
7043497003	**M1 - 10.00 - GRAB #3**	SM22 4500-H+B	57266		
7043497004	**M1 - 11.00 - GRAB #4**	SM22 4500-H+B	57266		
7043497005	**M1-24 HOUR FIELD COMPOSITE**	SM22 5210B	57356	SM22 5210B	58206
7043497005	**M1-24 HOUR FIELD COMPOSITE**	SM22 4500-N	58216		
7043497005	**M1-24 HOUR FIELD COMPOSITE**	EPA 351.2	58107	EPA 351.2	58111
7043497005	**M1-24 HOUR FIELD COMPOSITE**	EPA 353.2	57302		
7043497005	**M1-24 HOUR FIELD COMPOSITE**	EPA 353.2	57289		
7043497006	**M1-GRAB COMPOSITE**	SM20/22 4500-CN-C	58607	SM22 4500-CN-E	58640
7043497005	**M1-24 HOUR FIELD COMPOSITE**	SM22 4500-Cl-E	57344		
7043497006	**M1-GRAB COMPOSITE**	SM22 4500-CN-G	58664	SM22 4500-CN-E	58665

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WO#: 7043497

7043497

CHAIN OF CUSTODY RECORD

PELHAM BAY LANDFILL

M1

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: Andre Dziegelewski
Source: **Pelham Bay Landfill**
Job No.:

Laboratory Use Only
Samples were:
1. Shipped____ or Hand Delivered____ Airbill#_____
2. Ambient or Chilled, **Temperature** _____
3. Received in good condition Yes or No
4. Properly preserved Yes or No
• Discrepancies between labels and COC? Yes or No

MATRIX (Water, Soil, etc.)	COLLECTED DATE	COLLECTED TIME	SAMPLE IDENTIFICATION	Total Number of Containers: 27	VOCs (Grabs composited at Lab) 40 mL VIALS	Cyanide (Grabs composited at Lab) 60 mL Plastic [NaOH]	TSS, pH 500 mL Plastic	Oil & Grease 1 Liter Amber Glass [HCl]	Non Metals 1 Liter Plastic	Metals 250 mL Plastic [HNO_3]	Total N, TKN 250 mL Plastic [H_2SO_4]	SVOC (625) and PCB (608) 1 Liter Amber Glass	Field Ph	Lab. ID #	REMARKS
Water	2/21/18	8:00	M1 - 8:00 - Grab #1	5	2	1	1	1							001
Water	2/21/18	9:00	M1 - 9:00 - Grab #2	5	2	1	1	1							002
Water	2/21/18	10:00	M1 - 10:00 - Grab #3	5	2	1	1	1							003
Water	2/21/18	11:00	M1 - 11:00 - Grab #4	5	2	1	1	1							004
Start:	2/20/18	10:00	M1 - 24 Hour Field Composite												
End:	2/21/18	11:00		7					1	1	1	4			005

Relinquished by: (Signature)	Date: 2/21/18	SEAL INTACT? YES NO NA	Received by: (Signature)	Relinquished by: (Signature)	Date:	SEAL INTACT? YES NO NA	Received by: (Signature)
Representing: STRATIS	Time: 11:33		Representing: Pace	Representing:	Time:		Representing:
Relinquished by: (Signature)	Date:	SEAL INTACT? YES NO NA	Received by: (Signature)	Relinquished by: (Signature)	Date:	SEAL INTACT? YES NO NA	Received by: (Signature)
Representing:	Time:		Representing:	Representing:	Time:		Representing:

1.6°C

Sample Condition Upon Receipt

Pace Analytical

WO#: 7043497
PM: JSA Due Date: 03/07/18
CLIENT: STRATIS

Client Name: Stratis **Proje**

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No **Seals intact:** ☐ Yes ☐ No

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ Ziploc ☐ None ☐ Other **Type of Ice:** (Wet) Blue None

Thermometer Used: TH092 **Correction Factor:** +0.0 ☐ Samples on ice, cooling process has begun

Cooler Temperature (°C): 1.6 **Cooler Temperature Corrected (°C):** 1.6 **Date/Time 5035A kits placed in freezer**

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☑ N/A, water sample) **Date and Initials of person examining contents:** SB 2/21/18

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ YES ☐ NO

Did samples orignate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	☑ Yes	☐ No		1.
Chain of Custody Filled Out:	☑ Yes	☐ No		2.
Chain of Custody Relinquished:	☑ Yes	☐ No		3.
Sampler Name & Signature on COC:	☑ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time:	☑ Yes	☐ No		5.
Short Hold Time Analysis (<72hr):	☑ Yes	☐ No		6.
Rush Turn Around Time Requested:	☐ Yes	☑ No		7.
Sufficient Volume: (Triple volume provided for MS/MSD)	☑ Yes	☐ No		8.
Correct Containers Used:	☑ Yes	☐ No		9.
-Pace Containers Used:	☑ Yes	☐ No		
Containers Intact:	☑ Yes	☐ No		10.
Filtered volume received for Dissolved tests	☐ Yes	☐ No	☑ N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☑ Yes	☐ No		12.
-Includes date/time/ID/Analysis Matrix SL (WT) OIL				
All containers needing preservation have been checked	☑ Yes	☐ No	☐ N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot # HC613865				
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NAOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	☑ Yes	☐ No	☐ N/A	Sample #
				Initial when completed: / Lot # of added preservative: / Date/Time preservative added
Samples checked for dechlorination:	☐ Yes	☐ No	☑ N/A	14.
Residual chlorine strips Lot #				Positive for Res. Chlorine? Y N
Headspace in VOA Vials (>6mm):	☐ Yes	☑ No	☐ N/A	15.
Trip Blank Present:	☐ Yes	☑ No	☐ N/A	16.
Trip Blank Custody Seals Present	☐ Yes	☐ No	☑ N/A	
Pace Trip Blank Lot # (if applicable):				

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

* PM (Project Manager) review is documented electronically in LIMS.

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

April 02, 2018

Vincent G. Pelusio
Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566

RE: Project: M1 PELHAM BAY MARCH
Pace Project No.: 7045775

Dear Vincent Pelusio:
Enclosed are the analytical results for sample(s) received by the laboratory on March 20, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Jennifer Aracri
jennifer.aracri@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: Emile Mclean, Stratis Contracting Corp.
Keith Robinson, Stratis Contracting Corp.

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Melville, NY 11747
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CERTIFICATIONS

Project: M1 PELHAM BAY MARCH
Pace Project No.: 7045775

Long Island Certification IDs

575 Broad Hollow Rd, Melville, NY 11747
New York Certification #: 10478 Primary Accrediting Body
New Jersey Certification #: NY158
Pennsylvania Certification #: 68-00350
Connecticut Certification #: PH-0435
Maryland Certification #: 208
Rhode Island Certification #: LAO00340
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987

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ANALYTICAL RESULTS

Project: M1 PELHAM BAY MARCH
Pace Project No.: 7045775

Sample: M1- 7.00 - GRAB #1 **Lab ID: 7045775001** Collected: 03/20/18 07:00 Received: 03/20/18 10:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	**<5.1**	mg/L	5.1	1		03/29/18 14:40		
2540D Total Suspended Solids	Analytical Method: SM22 2540D							
Total Suspended Solids	**<10.0**	mg/L	10.0	1		03/23/18 16:32		
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B							
pH at 25 Degrees C	**7.2**	Std. Units	0.10	1		03/20/18 18:42		H3,H6, N3

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ANALYTICAL RESULTS

Project: M1 PELHAM BAY MARCH
Pace Project No.: 7045775

Sample: M1- 8.00 - GRAB #2 **Lab ID: 7045775002** Collected: 03/20/18 08:00 Received: 03/20/18 10:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	**<5.1**	mg/L	5.1	1		03/29/18 14:40		
2540D Total Suspended Solids	Analytical Method: SM22 2540D							
Total Suspended Solids	**<10.0**	mg/L	10.0	1		03/23/18 16:32		
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B							
pH at 25 Degrees C	**7.3**	Std. Units	0.10	1		03/20/18 18:46		H3,H6, N3

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ANALYTICAL RESULTS

Project: M1 PELHAM BAY MARCH
Pace Project No.: 7045775

Sample: M1- 9.00 - GRAB #3 **Lab ID: 7045775003** Collected: 03/20/18 09:00 Received: 03/20/18 10:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	**<5.0**	mg/L	5.0	1		03/29/18 14:40		
2540D Total Suspended Solids	Analytical Method: SM22 2540D							
Total Suspended Solids	**<10.0**	mg/L	10.0	1		03/23/18 16:32		
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B							
pH at 25 Degrees C	**7.4**	Std. Units	0.10	1		03/20/18 18:50		H3,H6, N3

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ANALYTICAL RESULTS

Project: M1 PELHAM BAY MARCH
Pace Project No.: 7045775

Sample: M1 - 10.00 - GRAB #4 **Lab ID: 7045775004** Collected: 03/20/18 10:00 Received: 03/20/18 10:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	**<5.1**	mg/L	5.1	1		03/29/18 14:40		
2540D Total Suspended Solids	Analytical Method: SM22 2540D							
Total Suspended Solids	**<10.0**	mg/L	10.0	1		03/23/18 16:36		
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B							
pH at 25 Degrees C	**7.3**	Std. Units	0.10	1		03/20/18 19:01		H3,H6, N3

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ANALYTICAL RESULTS

Project: M1 PELHAM BAY MARCH
Pace Project No.: 7045775

Sample: M1 - 24 HOUR FIELD COMPOSITE **Lab ID: 7045775005** Collected: 03/20/18 10:00 Received: 03/20/18 10:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
608 GCS PCB LOW	Analytical Method: EPA 608 Preparation Method: EPA 608							
PCB-1016 (Aroclor 1016)	**<0.065**	ug/L	0.065	1	03/20/18 21:54	03/27/18 01:32	12674-11-2	
PCB-1221 (Aroclor 1221)	**<0.065**	ug/L	0.065	1	03/20/18 21:54	03/27/18 01:32	11104-28-2	
PCB-1232 (Aroclor 1232)	**<0.065**	ug/L	0.065	1	03/20/18 21:54	03/27/18 01:32	11141-16-5	
PCB-1242 (Aroclor 1242)	**<0.065**	ug/L	0.065	1	03/20/18 21:54	03/27/18 01:32	53469-21-9	
PCB-1248 (Aroclor 1248)	**<0.065**	ug/L	0.065	1	03/20/18 21:54	03/27/18 01:32	12672-29-6	
PCB-1254 (Aroclor 1254)	**<0.065**	ug/L	0.065	1	03/20/18 21:54	03/27/18 01:32	11097-69-1	
PCB-1260 (Aroclor 1260)	**<0.065**	ug/L	0.065	1	03/20/18 21:54	03/27/18 01:32	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	73	%	10-149	1	03/20/18 21:54	03/27/18 01:32	877-09-8	
Decachlorobiphenyl (S)	95	%	10-149	1	03/20/18 21:54	03/27/18 01:32	2051-24-3	
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Cadmium	**<2.5**	ug/L	2.5	1	03/21/18 09:07	03/22/18 11:26	7440-43-9	
Chromium	**<10.0**	ug/L	10.0	1	03/21/18 09:07	03/22/18 11:26	7440-47-3	
Copper	**<25.0**	ug/L	25.0	1	03/21/18 09:07	03/22/18 11:26	7440-50-8	
Lead	**<5.0**	ug/L	5.0	1	03/21/18 09:07	03/22/18 11:26	7439-92-1	
Molybdenum	**<20.0**	ug/L	20.0	1	03/21/18 09:07	03/22/18 11:26	7439-98-7	
Nickel	**<40.0**	ug/L	40.0	1	03/21/18 09:07	03/22/18 11:26	7440-02-0	
Silver	**<10.0**	ug/L	10.0	1	03/21/18 09:07	03/22/18 11:26	7440-22-4	
Zinc	**<20.0**	ug/L	20.0	1	03/21/18 09:07	03/22/18 11:26	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	**<0.20**	ug/L	0.20	1	03/21/18 11:01	03/23/18 13:09	7439-97-6	
625 MSSV	Analytical Method: EPA 625 Preparation Method: EPA 625 SF							
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1	03/22/18 10:02	03/22/18 18:19	120-82-1	
2,2'-Oxybis(1-chloropropane)	**<1.0**	ug/L	1.0	1	03/22/18 10:02	03/22/18 18:19	108-60-1	
2,4,5-Trichlorophenol	**<1.0**	ug/L	1.0	1	03/22/18 10:02	03/22/18 18:19	95-95-4	
2,4,6-Trichlorophenol	**<1.0**	ug/L	1.0	1	03/22/18 10:02	03/22/18 18:19	88-06-2	
2,4-Dichlorophenol	**<1.0**	ug/L	1.0	1	03/22/18 10:02	03/22/18 18:19	120-83-2	
2,4-Dimethylphenol	**<5.0**	ug/L	5.0	1	03/22/18 10:02	03/22/18 18:19	105-67-9	L2
2,4-Dinitrophenol	**<5.0**	ug/L	5.0	1	03/22/18 10:02	03/22/18 18:19	51-28-5	
2,4-Dinitrotoluene	**<1.0**	ug/L	1.0	1	03/22/18 10:02	03/22/18 18:19	121-14-2	
2,6-Dinitrotoluene	**<1.0**	ug/L	1.0	1	03/22/18 10:02	03/22/18 18:19	606-20-2	
2-Chloronaphthalene	**<1.0**	ug/L	1.0	1	03/22/18 10:02	03/22/18 18:19	91-58-7	
2-Chlorophenol	**<1.0**	ug/L	1.0	1	03/22/18 10:02	03/22/18 18:19	95-57-8	
2-Methylnaphthalene	**<1.0**	ug/L	1.0	1	03/22/18 10:02	03/22/18 18:19	91-57-6	N3
2-Methylphenol(o-Cresol)	**<1.0**	ug/L	1.0	1	03/22/18 10:02	03/22/18 18:19	95-48-7	
2-Nitroaniline	**<1.0**	ug/L	1.0	1	03/22/18 10:02	03/22/18 18:19	88-74-4	N3
2-Nitrophenol	**<1.0**	ug/L	1.0	1	03/22/18 10:02	03/22/18 18:19	88-75-5	
3&4-Methylphenol(m&p Cresol)	**10.6**	ug/L	1.0	1	03/22/18 10:02	03/22/18 18:19		
3,3'-Dichlorobenzidine	**<1.0**	ug/L	1.0	1	03/22/18 10:02	03/22/18 18:19	91-94-1	
3-Nitroaniline	**<1.0**	ug/L	1.0	1	03/22/18 10:02	03/22/18 18:19	99-09-2	N3
4,6-Dinitro-2-methylphenol	**<5.0**	ug/L	5.0	1	03/22/18 10:02	03/22/18 18:19	534-52-1	
4-Bromophenylphenyl ether	**<1.0**	ug/L	1.0	1	03/22/18 10:02	03/22/18 18:19	101-55-3	
4-Chloro-3-methylphenol	**<1.0**	ug/L	1.0	1	03/22/18 10:02	03/22/18 18:19	59-50-7	

REPORT OF LABORATORY ANALYSIS

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575 Broad Hollow Road
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(631)694-3040

ANALYTICAL RESULTS

Project: M1 PELHAM BAY MARCH
Pace Project No.: 7045775

Sample: M1 - 24 HOUR FIELD COMPOSITE **Lab ID: 7045775005** Collected: 03/20/18 10:00 Received: 03/20/18 10:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV	Analytical Method: EPA 625 Preparation Method: EPA 625 SF							
4-Chloroaniline	**<1.0**	ug/L	1.0	1	03/22/18 10:02	03/22/18 18:19	106-47-8	N3
4-Chlorophenylphenyl ether	**<1.0**	ug/L	1.0	1	03/22/18 10:02	03/22/18 18:19	7005-72-3	
4-Nitroaniline	**<1.0**	ug/L	1.0	1	03/22/18 10:02	03/22/18 18:19	100-01-6	N3
4-Nitrophenol	**<5.0**	ug/L	5.0	1	03/22/18 10:02	03/22/18 18:19	100-02-7	
Acenaphthene	**<1.0**	ug/L	1.0	1	03/22/18 10:02	03/22/18 18:19	83-32-9	
Acenaphthylene	**<1.0**	ug/L	1.0	1	03/22/18 10:02	03/22/18 18:19	208-96-8	
Anthracene	**<1.0**	ug/L	1.0	1	03/22/18 10:02	03/22/18 18:19	120-12-7	
Benzo(a)anthracene	**<1.0**	ug/L	1.0	1	03/22/18 10:02	03/22/18 18:19	56-55-3	
Benzo(a)pyrene	**<1.0**	ug/L	1.0	1	03/22/18 10:02	03/22/18 18:19	50-32-8	
Benzo(b)fluoranthene	**<1.0**	ug/L	1.0	1	03/22/18 10:02	03/22/18 18:19	205-99-2	
Benzo(g,h,i)perylene	**<1.0**	ug/L	1.0	1	03/22/18 10:02	03/22/18 18:19	191-24-2	
Benzo(k)fluoranthene	**<1.0**	ug/L	1.0	1	03/22/18 10:02	03/22/18 18:19	207-08-9	
Butylbenzylphthalate	**2.8**	ug/L	1.0	1	03/22/18 10:02	03/22/18 18:19	85-68-7	
Carbazole	**<1.0**	ug/L	1.0	1	03/22/18 10:02	03/22/18 18:19	86-74-8	
Chrysene	**<1.0**	ug/L	1.0	1	03/22/18 10:02	03/22/18 18:19	218-01-9	
Di-n-butylphthalate	**<1.0**	ug/L	1.0	1	03/22/18 10:02	03/22/18 18:19	84-74-2	
Di-n-octylphthalate	**<1.0**	ug/L	1.0	1	03/22/18 10:02	03/22/18 18:19	117-84-0	
Dibenz(a,h)anthracene	**<1.0**	ug/L	1.0	1	03/22/18 10:02	03/22/18 18:19	53-70-3	
Diethylphthalate	**<1.0**	ug/L	1.0	1	03/22/18 10:02	03/22/18 18:19	84-66-2	
Dimethylphthalate	**<1.0**	ug/L	1.0	1	03/22/18 10:02	03/22/18 18:19	131-11-3	
Fluoranthene	**<1.0**	ug/L	1.0	1	03/22/18 10:02	03/22/18 18:19	206-44-0	
Fluorene	**<1.0**	ug/L	1.0	1	03/22/18 10:02	03/22/18 18:19	86-73-7	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1	03/22/18 10:02	03/22/18 18:19	87-68-3	
Hexachlorobenzene	**<1.0**	ug/L	1.0	1	03/22/18 10:02	03/22/18 18:19	118-74-1	
Hexachlorocyclopentadiene	**<5.0**	ug/L	5.0	1	03/22/18 10:02	03/22/18 18:19	77-47-4	
Hexachloroethane	**<1.0**	ug/L	1.0	1	03/22/18 10:02	03/22/18 18:19	67-72-1	
Indeno(1,2,3-cd)pyrene	**<1.0**	ug/L	1.0	1	03/22/18 10:02	03/22/18 18:19	193-39-5	
Isophorone	**<1.0**	ug/L	1.0	1	03/22/18 10:02	03/22/18 18:19	78-59-1	
N-Nitroso-di-n-propylamine	**<1.0**	ug/L	1.0	1	03/22/18 10:02	03/22/18 18:19	621-64-7	
N-Nitrosodiphenylamine	**<1.0**	ug/L	1.0	1	03/22/18 10:02	03/22/18 18:19	86-30-6	
Naphthalene	**1.4**	ug/L	1.0	1	03/22/18 10:02	03/22/18 18:19	91-20-3	
Nitrobenzene	**<1.0**	ug/L	1.0	1	03/22/18 10:02	03/22/18 18:19	98-95-3	
Pentachlorophenol	**<5.0**	ug/L	5.0	1	03/22/18 10:02	03/22/18 18:19	87-86-5	
Phenanthrene	**<1.0**	ug/L	1.0	1	03/22/18 10:02	03/22/18 18:19	85-01-8	
Phenol	**<1.0**	ug/L	1.0	1	03/22/18 10:02	03/22/18 18:19	108-95-2	
Pyrene	**<1.0**	ug/L	1.0	1	03/22/18 10:02	03/22/18 18:19	129-00-0	
bis(2-Chloroethoxy)methane	**<1.0**	ug/L	1.0	1	03/22/18 10:02	03/22/18 18:19	111-91-1	
bis(2-Chloroethyl) ether	**<1.0**	ug/L	1.0	1	03/22/18 10:02	03/22/18 18:19	111-44-4	
bis(2-Ethylhexyl)phthalate	**<1.0**	ug/L	1.0	1	03/22/18 10:02	03/22/18 18:19	117-81-7	
Surrogates								
2-Fluorophenol (S)	34	%	21-110	1	03/22/18 10:02	03/22/18 18:19	367-12-4	
Phenol-d5 (S)	23	%	10-110	1	03/22/18 10:02	03/22/18 18:19	4165-62-2	
Nitrobenzene-d5 (S)	59	%	35-114	1	03/22/18 10:02	03/22/18 18:19	4165-60-0	
2-Fluorobiphenyl (S)	62	%	43-116	1	03/22/18 10:02	03/22/18 18:19	321-60-8	
2,4,6-Tribromophenol (S)	82	%	10-123	1	03/22/18 10:02	03/22/18 18:19	118-79-6	
p-Terphenyl-d14 (S)	75	%	33-141	1	03/22/18 10:02	03/22/18 18:19	1718-51-0	

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ANALYTICAL RESULTS

Project: M1 PELHAM BAY MARCH
Pace Project No.: 7045775

Sample: M1 - 24 HOUR FIELD COMPOSITE **Lab ID: 7045775005** Collected: 03/20/18 10:00 Received: 03/20/18 10:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV	Analytical Method: EPA 625 Preparation Method: EPA 625 SF							
Surrogates								
1,2-Dichlorobenzene-d4 (S)	55	%	16-110	1	03/22/18 10:02	03/22/18 18:19	2199-69-1	
2-Chlorophenol-d4 (S)	58	%	33-110	1	03/22/18 10:02	03/22/18 18:19	93951-73-6	
Chromium, Hexavalent	Analytical Method: SM22 3500-Cr B							
Chromium, Hexavalent	**<0.10**	mg/L	0.10	5		03/20/18 17:48	18540-29-9	
5210B cBOD, 5 day	Analytical Method: SM22 5210B Preparation Method: SM22 5210B							
Carbonaceous BOD, 5 day	**<4.0**	mg/L	4.0	2	03/21/18 15:49	03/26/18 12:13		
Total Nitrogen Calculation	Analytical Method: SM22 4500-N							
Total Nitrogen	**21.2**	mg/L	0.10	1		03/30/18 14:41		
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	**16.7**	mg/L	1.0	10	03/30/18 06:21	03/30/18 13:16	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrate-Nitrite (as N)	**4.5**	mg/L	0.50	10		03/20/18 22:42	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**0.18**	mg/L	0.050	1		03/20/18 19:57	14797-65-0	
4500 Chloride	Analytical Method: SM22 4500-Cl-E							
Chloride	**<200**	mg/L	200	100		03/22/18 14:14	16887-00-6	

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ANALYTICAL RESULTS

Project: M1 PELHAM BAY MARCH
Pace Project No.: 7045775

Sample: M1 - GRAB COMPOSITE **Lab ID: 7045775006** Collected: 03/20/18 10:00 Received: 03/20/18 10:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 Volatile Organics	Analytical Method: EPA 624							
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		03/23/18 20:10	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		03/23/18 20:10	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		03/23/18 20:10	79-00-5	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		03/23/18 20:10	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		03/23/18 20:10	75-35-4	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		03/23/18 20:10	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		03/23/18 20:10	107-06-2	
1,2-Dichloroethene (Total)	**<1.0**	ug/L	1.0	1		03/23/18 20:10	540-59-0	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		03/23/18 20:10	78-87-5	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		03/23/18 20:10	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		03/23/18 20:10	106-46-7	
2-Butanone (MEK)	**9.8**	ug/L	5.0	1		03/23/18 20:10	78-93-3	CH,IH, L1,N3
2-Hexanone	**<5.0**	ug/L	5.0	1		03/23/18 20:10	591-78-6	N3
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		03/23/18 20:10	108-10-1	N3
Acetone	**20.7**	ug/L	5.0	1		03/23/18 20:10	67-64-1	
Benzene	**<1.0**	ug/L	1.0	1		03/23/18 20:10	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		03/23/18 20:10	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		03/23/18 20:10	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		03/23/18 20:10	74-83-9	
Carbon disulfide	**<1.0**	ug/L	1.0	1		03/23/18 20:10	75-15-0	N3
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		03/23/18 20:10	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		03/23/18 20:10	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		03/23/18 20:10	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		03/23/18 20:10	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		03/23/18 20:10	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		03/23/18 20:10	124-48-1	
Ethylbenzene	**<1.0**	ug/L	1.0	1		03/23/18 20:10	100-41-4	
Methyl-tert-butyl ether	**<1.0**	ug/L	1.0	1		03/23/18 20:10	1634-04-4	
Methylene Chloride	**<1.0**	ug/L	1.0	1		03/23/18 20:10	75-09-2	
Styrene	**<1.0**	ug/L	1.0	1		03/23/18 20:10	100-42-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		03/23/18 20:10	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		03/23/18 20:10	108-88-3	
Trichloroethene	**<1.0**	ug/L	1.0	1		03/23/18 20:10	79-01-6	
Vinyl chloride	**<1.0**	ug/L	1.0	1		03/23/18 20:10	75-01-4	
Xylene (Total)	**<1.0**	ug/L	1.0	1		03/23/18 20:10	1330-20-7	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		03/23/18 20:10	10061-01-5	
m&p-Xylene	**<1.0**	ug/L	1.0	1		03/23/18 20:10	179601-23-1	
o-Xylene	**<1.0**	ug/L	1.0	1		03/23/18 20:10	95-47-6	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		03/23/18 20:10	10061-02-6	
Surrogates								
4-Bromofluorobenzene (S)	103	%	79-124	1		03/23/18 20:10	460-00-4	
Toluene-d8 (S)	96	%	69-124	1		03/23/18 20:10	2037-26-5	
1,2-Dichloroethane-d4 (S)	99	%	68-153	1		03/23/18 20:10	17060-07-0	
SM 4500 CNE Cyanide, Total	Analytical Method: SM22 4500-CN-E Preparation Method: SM20/22 4500-CN-C							
Cyanide	**<10.0**	ug/L	10.0	1	04/02/18 10:20	04/02/18 17:29	57-12-5	

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ANALYTICAL RESULTS

Project: M1 PELHAM BAY MARCH
Pace Project No.: 7045775

Sample: M1 - GRAB COMPOSITE **Lab ID: 7045775006** Collected: 03/20/18 10:00 Received: 03/20/18 10:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500CNG Cyanide, Amenable	Analytical Method: SM22 4500-CN-E Preparation Method: SM22 4500-CN-G							
Amenable Cyanide	**<10.0**	ug/L	10.0	1	04/02/18 17:35	04/02/18 17:35	57-12-5	

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QUALITY CONTROL DATA

Project: M1 PELHAM BAY MARCH
Pace Project No.: 7045775

QC Batch: 60373 Analysis Method: EPA 245.1
QC Batch Method: EPA 245.1 Analysis Description: 245.1 Mercury
Associated Lab Samples: 7045775005

METHOD BLANK: 276928 Matrix: Water
Associated Lab Samples: 7045775005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.20	0.20	03/23/18 12:42	

LABORATORY CONTROL SAMPLE: 276929

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	1	1.0	103	85-115	

MATRIX SPIKE SAMPLE: 276930

Parameter	Units	7045723003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	<0.20	1	1.0	97	70-130	

SAMPLE DUPLICATE: 276931

Parameter	Units	7045723003 Result	Dup Result	RPD	Qualifiers
Mercury	ug/L	<0.20	<0.20		

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QUALITY CONTROL DATA

Project: M1 PELHAM BAY MARCH
Pace Project No.: 7045775

QC Batch: 60370
QC Batch Method: EPA 200.7
Analysis Method: EPA 200.7
Analysis Description: 200.7 Metals, Total
Associated Lab Samples: 7045775005

METHOD BLANK: 276914 Matrix: Water
Associated Lab Samples: 7045775005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cadmium	ug/L	<2.5	2.5	03/22/18 11:12	
Chromium	ug/L	<10.0	10.0	03/22/18 11:12	
Copper	ug/L	<25.0	25.0	03/22/18 11:12	
Lead	ug/L	<5.0	5.0	03/22/18 11:12	
Molybdenum	ug/L	<20.0	20.0	03/22/18 11:12	
Nickel	ug/L	<40.0	40.0	03/22/18 11:12	
Silver	ug/L	<10.0	10.0	03/22/18 11:12	
Zinc	ug/L	<20.0	20.0	03/22/18 11:12	

LABORATORY CONTROL SAMPLE: 276915

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cadmium	ug/L	50	46.1	92	85-115	
Chromium	ug/L	250	230	92	85-115	
Copper	ug/L	250	228	91	85-115	
Lead	ug/L	500	471	94	85-115	
Molybdenum	ug/L	500	467	93	85-115	
Nickel	ug/L	250	235	94	85-115	
Silver	ug/L	250	233	93	85-115	
Zinc	ug/L	1000	931	93	85-115	

MATRIX SPIKE SAMPLE: 276917

Parameter	Units	7045723003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cadmium	ug/L	<2.5	50	51.1	102	70-130	
Chromium	ug/L	<10.0	250	260	103	70-130	
Copper	ug/L	<25.0	250	273	101	70-130	
Lead	ug/L	<5.0	500	526	105	70-130	
Molybdenum	ug/L	<20.0	500	519	104	70-130	
Nickel	ug/L	<40.0	250	273	107	70-130	
Silver	ug/L	<10.0	250	211	84	70-130	
Zinc	ug/L	<20.0	1000	1060	105	70-130	

SAMPLE DUPLICATE: 276916

Parameter	Units	7045723003 Result	Dup Result	RPD	Qualifiers
Cadmium	ug/L	<2.5	<2.5		

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: M1 PELHAM BAY MARCH
Pace Project No.: 7045775

SAMPLE DUPLICATE: 276916

Parameter	Units	7045723003 Result	Dup Result	RPD	Qualifiers
Chromium	ug/L	<10.0	<10.0		
Copper	ug/L	<25.0	<25.0		
Lead	ug/L	<5.0	<5.0		
Molybdenum	ug/L	<20.0	<20.0		
Nickel	ug/L	<40.0	<40.0		
Silver	ug/L	<10.0	<10.0		
Zinc	ug/L	<20.0	<20.0		

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QUALITY CONTROL DATA

Project: M1 PELHAM BAY MARCH
Pace Project No.: 7045775

QC Batch: 60696 Analysis Method: EPA 624
QC Batch Method: EPA 624 Analysis Description: 624 MSV
Associated Lab Samples: 7045775006

METHOD BLANK: 278243 Matrix: Water
Associated Lab Samples: 7045775006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	03/23/18 16:53	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	03/23/18 16:53	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	03/23/18 16:53	
1,1-Dichloroethane	ug/L	<1.0	1.0	03/23/18 16:53	
1,1-Dichloroethene	ug/L	<1.0	1.0	03/23/18 16:53	
1,2-Dichlorobenzene	ug/L	<1.0	1.0	03/23/18 16:53	
1,2-Dichloroethane	ug/L	<1.0	1.0	03/23/18 16:53	
1,2-Dichloroethene (Total)	ug/L	<1.0	1.0	03/23/18 16:53	
1,2-Dichloropropane	ug/L	<1.0	1.0	03/23/18 16:53	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	03/23/18 16:53	
1,4-Dichlorobenzene	ug/L	<1.0	1.0	03/23/18 16:53	
2-Butanone (MEK)	ug/L	<5.0	5.0	03/23/18 16:53	N3
2-Hexanone	ug/L	<5.0	5.0	03/23/18 16:53	N3
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	03/23/18 16:53	N3
Acetone	ug/L	<5.0	5.0	03/23/18 16:53	
Benzene	ug/L	<1.0	1.0	03/23/18 16:53	
Bromodichloromethane	ug/L	<1.0	1.0	03/23/18 16:53	
Bromoform	ug/L	<1.0	1.0	03/23/18 16:53	
Bromomethane	ug/L	<1.0	1.0	03/23/18 16:53	
Carbon disulfide	ug/L	<1.0	1.0	03/23/18 16:53	N3
Carbon tetrachloride	ug/L	<1.0	1.0	03/23/18 16:53	
Chlorobenzene	ug/L	<1.0	1.0	03/23/18 16:53	
Chloroethane	ug/L	<1.0	1.0	03/23/18 16:53	
Chloroform	ug/L	<1.0	1.0	03/23/18 16:53	
Chloromethane	ug/L	<1.0	1.0	03/23/18 16:53	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	03/23/18 16:53	
Dibromochloromethane	ug/L	<1.0	1.0	03/23/18 16:53	
Ethylbenzene	ug/L	<1.0	1.0	03/23/18 16:53	
m&p-Xylene	ug/L	<1.0	1.0	03/23/18 16:53	
Methyl-tert-butyl ether	ug/L	<1.0	1.0	03/23/18 16:53	
Methylene Chloride	ug/L	<1.0	1.0	03/23/18 16:53	
o-Xylene	ug/L	<1.0	1.0	03/23/18 16:53	
Styrene	ug/L	<1.0	1.0	03/23/18 16:53	
Tetrachloroethene	ug/L	<1.0	1.0	03/23/18 16:53	
Toluene	ug/L	<1.0	1.0	03/23/18 16:53	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	03/23/18 16:53	
Trichloroethene	ug/L	<1.0	1.0	03/23/18 16:53	
Vinyl chloride	ug/L	<1.0	1.0	03/23/18 16:53	
Xylene (Total)	ug/L	<1.0	1.0	03/23/18 16:53	
1,2-Dichloroethane-d4 (S)	%	98	68-153	03/23/18 16:53	
4-Bromofluorobenzene (S)	%	102	79-124	03/23/18 16:53	

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QUALITY CONTROL DATA

Project: M1 PELHAM BAY MARCH
Pace Project No.: 7045775

METHOD BLANK: 278243 Matrix: Water
Associated Lab Samples: 7045775006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene-d8 (S)	%	97	69-124	03/23/18 16:53	

LABORATORY CONTROL SAMPLE: 278244

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	20.8	104	52-162	
1,1,2,2-Tetrachloroethane	ug/L	20	20.0	100	60-138	
1,1,2-Trichloroethane	ug/L	20	20.7	104	52-150	
1,1-Dichloroethane	ug/L	20	22.2	111	49-155	
1,1-Dichloroethene	ug/L	20	21.1	106	10-234	
1,2-Dichlorobenzene	ug/L	20	20.1	101	18-190	
1,2-Dichloroethane	ug/L	20	19.2	96	49-155	
1,2-Dichloroethene (Total)	ug/L	40	43.9	110	49-112	
1,2-Dichloropropane	ug/L	20	21.9	109	10-210	
1,3-Dichlorobenzene	ug/L	20	20.7	103	59-156	
1,4-Dichlorobenzene	ug/L	20	20.6	103	18-190	
2-Butanone (MEK)	ug/L	20	38.3	192	36-168	CH,IH,L1,N3
2-Hexanone	ug/L	20	21.3	106	56-136	N3
4-Methyl-2-pentanone (MIBK)	ug/L	20	21.4	107	60-135	N3
Acetone	ug/L	20	19.4	97	35-139	
Benzene	ug/L	20	21.6	108	37-151	
Bromodichloromethane	ug/L	20	20.8	104	33-155	
Bromoform	ug/L	20	20.6	103	45-169	
Bromomethane	ug/L	20	20.9	105	10-242	
Carbon disulfide	ug/L	20	19.1	95	61-126	N3
Carbon tetrachloride	ug/L	20	21.0	105	70-140	
Chlorobenzene	ug/L	20	21.0	105	37-160	
Chloroethane	ug/L	20	19.7	99	14-230	
Chloroform	ug/L	20	20.8	104	51-138	
Chloromethane	ug/L	20	20.3	102	20-273	
cis-1,3-Dichloropropene	ug/L	20	22.1	110	10-227	
Dibromochloromethane	ug/L	20	20.0	100	53-149	
Ethylbenzene	ug/L	20	20.6	103	37-162	
m&p-Xylene	ug/L	40	41.2	103	67-118	
Methyl-tert-butyl ether	ug/L	20	18.8	94	44-170	
Methylene Chloride	ug/L	20	20.8	104	10-221	
o-Xylene	ug/L	20	20.8	104	67-118	
Styrene	ug/L	20	20.8	104	50-150	
Tetrachloroethene	ug/L	20	21.0	105	64-148	
Toluene	ug/L	20	21.0	105	47-150	
trans-1,3-Dichloropropene	ug/L	20	21.7	109	17-183	
Trichloroethene	ug/L	20	19.6	98	71-157	
Vinyl chloride	ug/L	20	19.9	100	10-251	
Xylene (Total)	ug/L	60	61.9	103	56-147	

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QUALITY CONTROL DATA

Project: M1 PELHAM BAY MARCH
Pace Project No.: 7045775

LABORATORY CONTROL SAMPLE: 278244

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane-d4 (S)	%			101	68-153	
4-Bromofluorobenzene (S)	%			105	79-124	
Toluene-d8 (S)	%			98	69-124	

MATRIX SPIKE SAMPLE: 278626

Parameter	Units	7045813001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	20	22.4	112	52-162	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	20	21.3	107	60-138	
1,1,2-Trichloroethane	ug/L	<1.0	20	21.2	106	52-150	
1,1-Dichloroethane	ug/L	<1.0	20	24.4	122	49-155	
1,1-Dichloroethene	ug/L	<1.0	20	23.1	115	10-234	
1,2-Dichlorobenzene	ug/L	<1.0	20	15.7	79	18-190	
1,2-Dichloroethane	ug/L	<1.0	20	19.6	98	49-155	
1,2-Dichloroethene (Total)	ug/L	<1.0	40	48.1	120	49-112	
1,2-Dichloropropane	ug/L	<1.0	20	23.6	118	10-210	
1,3-Dichlorobenzene	ug/L	<1.0	20	16.1	81	59-156	
1,4-Dichlorobenzene	ug/L	<1.0	20	16.7	83	18-190	
2-Butanone (MEK)	ug/L	<5.0	20	40.1	187	36-168	CH,IH,M0,N3
2-Hexanone	ug/L	<5.0	20	19.4	97	56-136	N3
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	20	22.4	112	60-135	N3
Acetone	ug/L	36.8	20	62.6	129	35-139	
Benzene	ug/L	<1.0	20	23.8	119	37-151	
Bromodichloromethane	ug/L	<1.0	20	18.1	91	33-155	
Bromoform	ug/L	<1.0	20	13.4	67	45-169	
Bromomethane	ug/L	<1.0	20	21.9	110	10-242	
Carbon disulfide	ug/L	<1.0	20	22.9	115	61-126	N3
Carbon tetrachloride	ug/L	<1.0	20	8.4	42	70-140	M1
Chlorobenzene	ug/L	<1.0	20	19.5	97	37-160	
Chloroethane	ug/L	<1.0	20	23.2	116	14-230	
Chloroform	ug/L	<1.0	20	23.8	119	51-138	
Chloromethane	ug/L	<1.0	20	23.4	117	20-273	
cis-1,3-Dichloropropene	ug/L	<1.0	20	21.1	106	10-227	
Dibromochloromethane	ug/L	<1.0	20	14.5	73	53-149	
Ethylbenzene	ug/L	<1.0	20	18.0	90	37-162	
m&p-Xylene	ug/L	<1.0	40	35.7	89	67-118	
Methyl-tert-butyl ether	ug/L	<1.0	20	19.0	95	44-170	
Methylene Chloride	ug/L	<1.0	20	26.0	130	10-221	
o-Xylene	ug/L	<1.0	20	18.0	90	67-118	
Styrene	ug/L	<1.0	20	18.3	92	50-150	
Tetrachloroethene	ug/L	<1.0	20	18.0	90	64-148	
Toluene	ug/L	107	20	128	101	47-150	
trans-1,3-Dichloropropene	ug/L	<1.0	20	19.9	100	17-183	
Trichloroethene	ug/L	<1.0	20	21.8	109	71-157	
Vinyl chloride	ug/L	<1.0	20	23.4	117	10-251	

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QUALITY CONTROL DATA

Project: M1 PELHAM BAY MARCH
Pace Project No.: 7045775

MATRIX SPIKE SAMPLE: 278626

Parameter	Units	7045813001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	<1.0	60	53.7	90	56-147	
1,2-Dichloroethane-d4 (S)	%				98	68-153	
4-Bromofluorobenzene (S)	%				102	79-124	
Toluene-d8 (S)	%				98	69-124	

SAMPLE DUPLICATE: 278627

Parameter	Units	7045813001 Result	Dup Result	RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	<1.0		
1,1,2,2-Tetrachloroethane	ug/L	<1.0	<1.0		
1,1,2-Trichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethene	ug/L	<1.0	<1.0		
1,2-Dichlorobenzene	ug/L	<1.0	<1.0		
1,2-Dichloroethane	ug/L	<1.0	<1.0		
1,2-Dichloroethene (Total)	ug/L	<1.0	<1.0		
1,2-Dichloropropane	ug/L	<1.0	<1.0		
1,3-Dichlorobenzene	ug/L	<1.0	<1.0		
1,4-Dichlorobenzene	ug/L	<1.0	<1.0		
2-Butanone (MEK)	ug/L	<5.0	<5.0		N3
2-Hexanone	ug/L	<5.0	<5.0		N3
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	<5.0		N3
Acetone	ug/L	36.8	34.9	5	
Benzene	ug/L	<1.0	<1.0		
Bromodichloromethane	ug/L	<1.0	<1.0		
Bromoform	ug/L	<1.0	<1.0		
Bromomethane	ug/L	<1.0	<1.0		
Carbon disulfide	ug/L	<1.0	<1.0		N3
Carbon tetrachloride	ug/L	<1.0	<1.0		
Chlorobenzene	ug/L	<1.0	<1.0		
Chloroethane	ug/L	<1.0	<1.0		
Chloroform	ug/L	<1.0	<1.0		
Chloromethane	ug/L	<1.0	<1.0		
cis-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Dibromochloromethane	ug/L	<1.0	<1.0		
Ethylbenzene	ug/L	<1.0	<1.0		
m&p-Xylene	ug/L	<1.0	<1.0		
Methyl-tert-butyl ether	ug/L	<1.0	<1.0		
Methylene Chloride	ug/L	<1.0	<1.0		
o-Xylene	ug/L	<1.0	<1.0		
Styrene	ug/L	<1.0	<1.0		
Tetrachloroethene	ug/L	<1.0	<1.0		
Toluene	ug/L	107	106	1	
trans-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Trichloroethene	ug/L	<1.0	<1.0		

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QUALITY CONTROL DATA

Project: M1 PELHAM BAY MARCH
Pace Project No.: 7045775

SAMPLE DUPLICATE: 278627

Parameter	Units	7045813001 Result	Dup Result	RPD	Qualifiers
Vinyl chloride	ug/L	<1.0	<1.0		
Xylene (Total)	ug/L	<1.0	<1.0		
1,2-Dichloroethane-d4 (S)	%	97	95	2	
4-Bromofluorobenzene (S)	%	102	101	1	
Toluene-d8 (S)	%	100	99	1	

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QUALITY CONTROL DATA

Project: M1 PELHAM BAY MARCH
Pace Project No.: 7045775

QC Batch: 60519 Analysis Method: EPA 608
QC Batch Method: EPA 608 Analysis Description: 608 GCS PCB Mod
Associated Lab Samples: 7045775005

METHOD BLANK: 277707 Matrix: Water
Associated Lab Samples: 7045775005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	<0.065	0.065	03/27/18 00:34	
PCB-1221 (Aroclor 1221)	ug/L	<0.065	0.065	03/27/18 00:34	
PCB-1232 (Aroclor 1232)	ug/L	<0.065	0.065	03/27/18 00:34	
PCB-1242 (Aroclor 1242)	ug/L	<0.065	0.065	03/27/18 00:34	
PCB-1248 (Aroclor 1248)	ug/L	<0.065	0.065	03/27/18 00:34	
PCB-1254 (Aroclor 1254)	ug/L	<0.065	0.065	03/27/18 00:34	
PCB-1260 (Aroclor 1260)	ug/L	<0.065	0.065	03/27/18 00:34	
Decachlorobiphenyl (S)	%	55	10-149	03/27/18 00:34	
Tetrachloro-m-xylene (S)	%	69	10-149	03/27/18 00:34	

LABORATORY CONTROL SAMPLE: 277708

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	.5	0.46	93	42-147	CH
PCB-1260 (Aroclor 1260)	ug/L	.5	0.61	121	51-144	CH
Decachlorobiphenyl (S)	%			114	10-149	
Tetrachloro-m-xylene (S)	%			82	16-128	

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QUALITY CONTROL DATA

Project: M1 PELHAM BAY MARCH
Pace Project No.: 7045775

QC Batch: 60426 Analysis Method: EPA 625
QC Batch Method: EPA 625 SF Analysis Description: 625 MSS
Associated Lab Samples: 7045775005

METHOD BLANK: 277257 Matrix: Water
Associated Lab Samples: 7045775005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	<1.0	1.0	03/22/18 17:24	
2,2'-Oxybis(1-chloropropane)	ug/L	<1.0	1.0	03/22/18 17:24	
2,4,5-Trichlorophenol	ug/L	<1.0	1.0	03/22/18 17:24	
2,4,6-Trichlorophenol	ug/L	<1.0	1.0	03/22/18 17:24	
2,4-Dichlorophenol	ug/L	<1.0	1.0	03/22/18 17:24	
2,4-Dimethylphenol	ug/L	<5.0	5.0	03/22/18 17:24	
2,4-Dinitrophenol	ug/L	<5.0	5.0	03/22/18 17:24	
2,4-Dinitrotoluene	ug/L	<1.0	1.0	03/22/18 17:24	
2,6-Dinitrotoluene	ug/L	<1.0	1.0	03/22/18 17:24	
2-Chloronaphthalene	ug/L	<1.0	1.0	03/22/18 17:24	
2-Chlorophenol	ug/L	<1.0	1.0	03/22/18 17:24	
2-Methylnaphthalene	ug/L	<1.0	1.0	03/22/18 17:24	N3
2-Methylphenol(o-Cresol)	ug/L	<1.0	1.0	03/22/18 17:24	
2-Nitroaniline	ug/L	<1.0	1.0	03/22/18 17:24	N3
2-Nitrophenol	ug/L	<1.0	1.0	03/22/18 17:24	
3&4-Methylphenol(m&p Cresol)	ug/L	<1.0	1.0	03/22/18 17:24	
3,3'-Dichlorobenzidine	ug/L	<1.0	1.0	03/22/18 17:24	
3-Nitroaniline	ug/L	<1.0	1.0	03/22/18 17:24	N3
4,6-Dinitro-2-methylphenol	ug/L	<5.0	5.0	03/22/18 17:24	
4-Bromophenylphenyl ether	ug/L	<1.0	1.0	03/22/18 17:24	
4-Chloro-3-methylphenol	ug/L	<1.0	1.0	03/22/18 17:24	
4-Chloroaniline	ug/L	<1.0	1.0	03/22/18 17:24	N3
4-Chlorophenylphenyl ether	ug/L	<1.0	1.0	03/22/18 17:24	
4-Nitroaniline	ug/L	<1.0	1.0	03/22/18 17:24	N3
4-Nitrophenol	ug/L	<5.0	5.0	03/22/18 17:24	
Acenaphthene	ug/L	<1.0	1.0	03/22/18 17:24	
Acenaphthylene	ug/L	<1.0	1.0	03/22/18 17:24	
Anthracene	ug/L	<1.0	1.0	03/22/18 17:24	
Benzo(a)anthracene	ug/L	<1.0	1.0	03/22/18 17:24	
Benzo(a)pyrene	ug/L	<1.0	1.0	03/22/18 17:24	
Benzo(b)fluoranthene	ug/L	<1.0	1.0	03/22/18 17:24	
Benzo(g,h,i)perylene	ug/L	<1.0	1.0	03/22/18 17:24	
Benzo(k)fluoranthene	ug/L	<1.0	1.0	03/22/18 17:24	
bis(2-Chloroethoxy)methane	ug/L	<1.0	1.0	03/22/18 17:24	
bis(2-Chloroethyl) ether	ug/L	<1.0	1.0	03/22/18 17:24	
bis(2-Ethylhexyl)phthalate	ug/L	<1.0	1.0	03/22/18 17:24	
Butylbenzylphthalate	ug/L	<1.0	1.0	03/22/18 17:24	
Carbazole	ug/L	<1.0	1.0	03/22/18 17:24	
Chrysene	ug/L	<1.0	1.0	03/22/18 17:24	
Di-n-butylphthalate	ug/L	<1.0	1.0	03/22/18 17:24	
Di-n-octylphthalate	ug/L	<1.0	1.0	03/22/18 17:24	

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(631)694-3040

QUALITY CONTROL DATA

Project: M1 PELHAM BAY MARCH
Pace Project No.: 7045775

METHOD BLANK: 277257 Matrix: Water
Associated Lab Samples: 7045775005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibenz(a,h)anthracene	ug/L	<1.0	1.0	03/22/18 17:24	
Diethylphthalate	ug/L	<1.0	1.0	03/22/18 17:24	
Dimethylphthalate	ug/L	<1.0	1.0	03/22/18 17:24	
Fluoranthene	ug/L	<1.0	1.0	03/22/18 17:24	
Fluorene	ug/L	<1.0	1.0	03/22/18 17:24	
Hexachloro-1,3-butadiene	ug/L	<1.0	1.0	03/22/18 17:24	
Hexachlorobenzene	ug/L	<1.0	1.0	03/22/18 17:24	
Hexachlorocyclopentadiene	ug/L	<5.0	5.0	03/22/18 17:24	
Hexachloroethane	ug/L	<1.0	1.0	03/22/18 17:24	
Indeno(1,2,3-cd)pyrene	ug/L	<1.0	1.0	03/22/18 17:24	
Isophorone	ug/L	<1.0	1.0	03/22/18 17:24	
N-Nitroso-di-n-propylamine	ug/L	<1.0	1.0	03/22/18 17:24	
N-Nitrosodiphenylamine	ug/L	<1.0	1.0	03/22/18 17:24	
Naphthalene	ug/L	<1.0	1.0	03/22/18 17:24	
Nitrobenzene	ug/L	<1.0	1.0	03/22/18 17:24	
Pentachlorophenol	ug/L	<5.0	5.0	03/22/18 17:24	
Phenanthrene	ug/L	<1.0	1.0	03/22/18 17:24	
Phenol	ug/L	<1.0	1.0	03/22/18 17:24	
Pyrene	ug/L	<1.0	1.0	03/22/18 17:24	
1,2-Dichlorobenzene-d4 (S)	%	62	16-110	03/22/18 17:24	
2,4,6-Tribromophenol (S)	%	76	10-123	03/22/18 17:24	
2-Chlorophenol-d4 (S)	%	66	33-110	03/22/18 17:24	
2-Fluorobiphenyl (S)	%	68	43-116	03/22/18 17:24	
2-Fluorophenol (S)	%	44	21-110	03/22/18 17:24	
Nitrobenzene-d5 (S)	%	62	35-114	03/22/18 17:24	
p-Terphenyl-d14 (S)	%	80	33-141	03/22/18 17:24	
Phenol-d5 (S)	%	30	10-110	03/22/18 17:24	

LABORATORY CONTROL SAMPLE: 277258

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	34.5	69	25-129	
2,2'-Oxybis(1-chloropropane)	ug/L	50	28.4	57	28-146	
2,4,5-Trichlorophenol	ug/L	50	40.0	80	41-121	
2,4,6-Trichlorophenol	ug/L	50	36.7	73	53-131	
2,4-Dichlorophenol	ug/L	50	35.9	72	46-130	
2,4-Dimethylphenol	ug/L	50	10.2	20	39-135	L2
2,4-Dinitrophenol	ug/L	50	9.8	20	11-101	CH
2,4-Dinitrotoluene	ug/L	50	42.1	84	48-134	
2,6-Dinitrotoluene	ug/L	50	39.6	79	48-136	
2-Chloronaphthalene	ug/L	50	35.4	71	47-123	
2-Chlorophenol	ug/L	50	31.9	64	48-116	
2-Methylnaphthalene	ug/L	50	34.9	70	25-98	N3
2-Methylphenol(o-Cresol)	ug/L	50	26.1	52	41-131	

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QUALITY CONTROL DATA

Project: M1 PELHAM BAY MARCH
Pace Project No.: 7045775

LABORATORY CONTROL SAMPLE: 277258

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Nitroaniline	ug/L	50	35.8	72	55-115	N3
2-Nitrophenol	ug/L	50	35.2	70	36-115	
3&4-Methylphenol(m&p Cresol)	ug/L	50	26.9	54	43-119	
3,3'-Dichlorobenzidine	ug/L	50	33.8	68	20-132	
3-Nitroaniline	ug/L	50	36.0	72	51-123	N3
4,6-Dinitro-2-methylphenol	ug/L	50	26.1	52	47-107	
4-Bromophenylphenyl ether	ug/L	50	38.6	77	50-142	
4-Chloro-3-methylphenol	ug/L	50	35.9	72	45-135	
4-Chloroaniline	ug/L	50	29.1	58	55-102	N3
4-Chlorophenylphenyl ether	ug/L	50	39.7	79	50-130	
4-Nitroaniline	ug/L	50	39.5	79	63-116	N3
4-Nitrophenol	ug/L	50	17.9	36	10-102	
Acenaphthene	ug/L	50	37.8	76	51-133	
Acenaphthylene	ug/L	50	36.0	72	36-132	
Anthracene	ug/L	50	37.6	75	61-135	
Benzo(a)anthracene	ug/L	50	39.2	78	56-136	
Benzo(a)pyrene	ug/L	50	40.0	80	47-141	
Benzo(b)fluoranthene	ug/L	50	41.8	84	43-147	
Benzo(g,h,i)perylene	ug/L	50	37.4	75	25-153	
Benzo(k)fluoranthene	ug/L	50	42.8	86	53-159	
bis(2-Chloroethoxy)methane	ug/L	50	32.4	65	20-148	
bis(2-Chloroethyl) ether	ug/L	50	32.0	64	39-111	
bis(2-Ethylhexyl)phthalate	ug/L	50	40.7	81	33-193	
Butylbenzylphthalate	ug/L	50	39.6	79	49-135	
Carbazole	ug/L	50	37.2	74	49-116	
Chrysene	ug/L	50	40.6	81	38-170	
Di-n-butylphthalate	ug/L	50	37.7	75	44-144	
Di-n-octylphthalate	ug/L	50	43.5	87	45-155	
Dibenz(a,h)anthracene	ug/L	50	35.4	71	15-185	
Diethylphthalate	ug/L	50	41.0	82	24-156	
Dimethylphthalate	ug/L	50	42.2	84	10-162	
Fluoranthene	ug/L	50	38.2	76	61-135	
Fluorene	ug/L	50	38.6	77	55-129	
Hexachloro-1,3-butadiene	ug/L	50	35.2	70	11-135	
Hexachlorobenzene	ug/L	50	40.9	82	56-154	
Hexachlorocyclopentadiene	ug/L	50	43.9	88	13-119	
Hexachloroethane	ug/L	50	33.4	67	41-119	
Indeno(1,2,3-cd)pyrene	ug/L	50	36.3	73	26-156	
Isophorone	ug/L	50	34.8	70	33-131	
N-Nitroso-di-n-propylamine	ug/L	50	33.6	67	50-135	
N-Nitrosodiphenylamine	ug/L	50	37.3	75	27-135	
Naphthalene	ug/L	50	34.1	68	47-117	
Nitrobenzene	ug/L	50	31.7	63	48-126	
Pentachlorophenol	ug/L	50	27.0	54	14-124	IH
Phenanthrene	ug/L	50	38.6	77	57-135	
Phenol	ug/L	50	16.4	33	10-99	
Pyrene	ug/L	50	38.3	77	58-113	

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(631)694-3040

QUALITY CONTROL DATA

Project: M1 PELHAM BAY MARCH
Pace Project No.: 7045775

LABORATORY CONTROL SAMPLE: 277258

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene-d4 (S)	%			59	16-110	
2,4,6-Tribromophenol (S)	%			81	10-123	
2-Chlorophenol-d4 (S)	%			62	33-110	
2-Fluorobiphenyl (S)	%			68	43-116	
2-Fluorophenol (S)	%			41	21-110	
Nitrobenzene-d5 (S)	%			61	35-114	
p-Terphenyl-d14 (S)	%			77	33-141	
Phenol-d5 (S)	%			26	10-110	

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QUALITY CONTROL DATA

Project: M1 PELHAM BAY MARCH
Pace Project No.: 7045775

QC Batch: 61305 Analysis Method: EPA 1664A
QC Batch Method: EPA 1664A Analysis Description: 1664 HEM, Oil and Grease
Associated Lab Samples: 7045775001, 7045775002, 7045775003, 7045775004

METHOD BLANK: 281164 Matrix: Water
Associated Lab Samples: 7045775001, 7045775002, 7045775003, 7045775004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	<5.0	5.0	03/29/18 14:40	

LABORATORY CONTROL SAMPLE & LCSD: 281165 281166

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	40	35.5	38.0	89	95	78-114	7	20	

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QUALITY CONTROL DATA

Project: M1 PELHAM BAY MARCH
Pace Project No.: 7045775

QC Batch: 60695 Analysis Method: SM22 2540D
QC Batch Method: SM22 2540D Analysis Description: 2540D Total Suspended Solids
Associated Lab Samples: 7045775001, 7045775002, 7045775003, 7045775004

METHOD BLANK: 278238 Matrix: Water
Associated Lab Samples: 7045775001, 7045775002, 7045775003, 7045775004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	<1.0	1.0	03/23/18 16:20	

LABORATORY CONTROL SAMPLE: 278239

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	200	212	106	85-115	

SAMPLE DUPLICATE: 278240

Parameter	Units	7045986001 Result	Dup Result	RPD	Qualifiers
Total Suspended Solids	mg/L	154	156	1	

SAMPLE DUPLICATE: 278241

Parameter	Units	7045778004 Result	Dup Result	RPD	Qualifiers
Total Suspended Solids	mg/L	<20.0	<20.0		

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QUALITY CONTROL DATA

Project: M1 PELHAM BAY MARCH
Pace Project No.: 7045775

QC Batch: 60302
QC Batch Method: SM22 3500-Cr B
Associated Lab Samples: 7045775005

Analysis Method: SM22 3500-Cr B
Analysis Description: Chromium, Hexavalent by 3500

METHOD BLANK: 276371 Matrix: Water
Associated Lab Samples: 7045775005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chromium, Hexavalent	mg/L	<0.020	0.020	03/20/18 17:47	

LABORATORY CONTROL SAMPLE: 276372

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	mg/L	.2	0.21	106	85-115	

MATRIX SPIKE SAMPLE: 276373

Parameter	Units	7045775005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	mg/L	<0.10	1	1.1	107	75-125	

SAMPLE DUPLICATE: 276374

Parameter	Units	7045775005 Result	Dup Result	RPD	Qualifiers
Chromium, Hexavalent	mg/L	<0.10	<0.10		

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QUALITY CONTROL DATA

Project: M1 PELHAM BAY MARCH
Pace Project No.: 7045775

QC Batch: 60291 Analysis Method: SM22 4500-H+B
QC Batch Method: SM22 4500-H+B Analysis Description: 4500H+B pH
Associated Lab Samples: 7045775001, 7045775002, 7045775003, 7045775004

SAMPLE DUPLICATE: 276309

Parameter	Units	7045718001 Result	Dup Result	RPD	Qualifiers
pH at 25 Degrees C	Std. Units	8.2	8.3	0	H3,H6,N3

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QUALITY CONTROL DATA

Project: M1 PELHAM BAY MARCH
Pace Project No.: 7045775

QC Batch: 60386 Analysis Method: SM22 5210B
QC Batch Method: SM22 5210B Analysis Description: 5210B cBOD, 5 day
Associated Lab Samples: 7045775005

METHOD BLANK: 277058 Matrix: Water
Associated Lab Samples: 7045775005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Carbonaceous BOD, 5 day	mg/L	<2.0	2.0	03/26/18 10:26	

LABORATORY CONTROL SAMPLE: 277059

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbonaceous BOD, 5 day	mg/L	198	210	106	84.5-115.4	

SAMPLE DUPLICATE: 277230

Parameter	Units	7045873001 Result	Dup Result	RPD	Qualifiers
Carbonaceous BOD, 5 day	mg/L	154	148	4	

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QUALITY CONTROL DATA

Project: M1 PELHAM BAY MARCH
Pace Project No.: 7045775

QC Batch: 61372
QC Batch Method: EPA 351.2
Analysis Method: EPA 351.2
Analysis Description: 351.2 TKN
Associated Lab Samples: 7045775005

METHOD BLANK: 281535 Matrix: Water
Associated Lab Samples: 7045775005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	<0.10	0.10	03/30/18 12:51	

LABORATORY CONTROL SAMPLE: 281536

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	4	4.2	106	90-110	

MATRIX SPIKE SAMPLE: 281537

Parameter	Units	7045819002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	3.0	4	7.1	102	90-110	

MATRIX SPIKE SAMPLE: 281539

Parameter	Units	7045983002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	2.4	4	7.0	115	90-110	M1

SAMPLE DUPLICATE: 281538

Parameter	Units	7045819002 Result	Dup Result	RPD	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	3.0	2.8	8	

SAMPLE DUPLICATE: 281540

Parameter	Units	7045983002 Result	Dup Result	RPD	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	2.4	2.4	0	

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QUALITY CONTROL DATA

Project: M1 PELHAM BAY MARCH
Pace Project No.: 7045775

QC Batch: 60313
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrite, Unpres.
Associated Lab Samples: 7045775005

METHOD BLANK: 276473 Matrix: Water
Associated Lab Samples: 7045775005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	<0.050	0.050	03/20/18 19:36	

LABORATORY CONTROL SAMPLE: 276474

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	1	1.1	109	90-110	

MATRIX SPIKE SAMPLE: 276475

Parameter	Units	7045755001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	.5	0.45	90	90-110	

MATRIX SPIKE SAMPLE: 276477

Parameter	Units	7045761001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	.5	0.56	112	90-110	M1

SAMPLE DUPLICATE: 276476

Parameter	Units	7045755001 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

SAMPLE DUPLICATE: 276478

Parameter	Units	7045761001 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

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QUALITY CONTROL DATA

Project: M1 PELHAM BAY MARCH
Pace Project No.: 7045775

QC Batch: 60328
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, preserved
Associated Lab Samples: 7045775005

METHOD BLANK: 276673 Matrix: Water
Associated Lab Samples: 7045775005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	0.050	03/20/18 22:22	

LABORATORY CONTROL SAMPLE: 276674

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	1	0.95	95	90-110	

MATRIX SPIKE SAMPLE: 276675

Parameter	Units	7045721007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	1.4	5	5.9	90	90-110	

MATRIX SPIKE SAMPLE: 276677

Parameter	Units	7045721012 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	.5	0.44	88	90-110	M1

SAMPLE DUPLICATE: 276676

Parameter	Units	7045721007 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	1.4	1.4	0	

SAMPLE DUPLICATE: 276678

Parameter	Units	7045721012 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	<0.050		

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QUALITY CONTROL DATA

Project: M1 PELHAM BAY MARCH
Pace Project No.: 7045775

QC Batch: 61560 Analysis Method: SM22 4500-CN-E
QC Batch Method: SM20/22 4500-CN-C Analysis Description: 4500 CNE Cyanide, Total
Associated Lab Samples: 7045775006

METHOD BLANK: 282336 Matrix: Water
Associated Lab Samples: 7045775006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	ug/L	<10.0	10.0	04/02/18 17:25	

LABORATORY CONTROL SAMPLE: 282337

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	ug/L	75	65.0	87	85-115	

MATRIX SPIKE SAMPLE: 282338

Parameter	Units	7046282001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cyanide	ug/L	<10.0	100	95.6	96	75-125	

SAMPLE DUPLICATE: 282339

Parameter	Units	7046282001 Result	Dup Result	RPD	Qualifiers
Cyanide	ug/L	<10.0	<10.0		

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QUALITY CONTROL DATA

Project: M1 PELHAM BAY MARCH
Pace Project No.: 7045775

QC Batch: 60443 Analysis Method: SM22 4500-Cl-E
QC Batch Method: SM22 4500-Cl-E Analysis Description: 4500 Chloride
Associated Lab Samples: 7045775005

METHOD BLANK: 277318 Matrix: Water
Associated Lab Samples: 7045775005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<2.0	2.0	03/22/18 13:56	

LABORATORY CONTROL SAMPLE: 277319

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	54.7	109	90-110	

MATRIX SPIKE SAMPLE: 277320

Parameter	Units	7045713001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	24.5	25	51.1	106	80-120	

SAMPLE DUPLICATE: 277321

Parameter	Units	7045713001 Result	Dup Result	RPD	Qualifiers
Chloride	mg/L	24.5	24.6	0	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALIFIERS

Project: M1 PELHAM BAY MARCH
Pace Project No.: 7045775

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
H3	Sample was received or analysis requested beyond the recognized method holding time.
H6	Analysis initiated outside of the 15 minute EPA recommended holding time.
IH	This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
N3	Accreditation is not offered by the relevant laboratory accrediting body for this parameter.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: M1 PELHAM BAY MARCH
Pace Project No.: 7045775

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7045775005	**M1 - 24 HOUR FIELD COMPOSITE**	EPA 608	60519	EPA 608	60543
7045775005	**M1 - 24 HOUR FIELD COMPOSITE**	EPA 200.7	60370	EPA 200.7	60377
7045775005	**M1 - 24 HOUR FIELD COMPOSITE**	EPA 245.1	60373	EPA 245.1	60379
7045775005	**M1 - 24 HOUR FIELD COMPOSITE**	EPA 625 SF	60426	EPA 625	60498
7045775006	**M1 - GRAB COMPOSITE**	EPA 624	60696		
7045775001	**M1- 7.00 - GRAB #1**	EPA 1664A	61305		
7045775002	**M1- 8.00 - GRAB #2**	EPA 1664A	61305		
7045775003	**M1- 9.00 - GRAB #3**	EPA 1664A	61305		
7045775004	**M1 - 10.00 - GRAB #4**	EPA 1664A	61305		
7045775001	**M1- 7.00 - GRAB #1**	SM22 2540D	60695		
7045775002	**M1- 8.00 - GRAB #2**	SM22 2540D	60695		
7045775003	**M1- 9.00 - GRAB #3**	SM22 2540D	60695		
7045775004	**M1 - 10.00 - GRAB #4**	SM22 2540D	60695		
7045775005	**M1 - 24 HOUR FIELD COMPOSITE**	SM22 3500-Cr B	60302		
7045775001	**M1- 7.00 - GRAB #1**	SM22 4500-H+B	60291		
7045775002	**M1- 8.00 - GRAB #2**	SM22 4500-H+B	60291		
7045775003	**M1- 9.00 - GRAB #3**	SM22 4500-H+B	60291		
7045775004	**M1 - 10.00 - GRAB #4**	SM22 4500-H+B	60291		
7045775005	**M1 - 24 HOUR FIELD COMPOSITE**	SM22 5210B	60386	SM22 5210B	61419
7045775005	**M1 - 24 HOUR FIELD COMPOSITE**	SM22 4500-N	61480		
7045775005	**M1 - 24 HOUR FIELD COMPOSITE**	EPA 351.2	61372	EPA 351.2	61386
7045775005	**M1 - 24 HOUR FIELD COMPOSITE**	EPA 353.2	60328		
7045775005	**M1 - 24 HOUR FIELD COMPOSITE**	EPA 353.2	60313		
7045775006	**M1 - GRAB COMPOSITE**	SM20/22 4500-CN-C	61560	SM22 4500-CN-E	61620
7045775005	**M1 - 24 HOUR FIELD COMPOSITE**	SM22 4500-Cl-E	60443		
7045775006	**M1 - GRAB COMPOSITE**	SM22 4500-CN-G	61669	SM22 4500-CN-E	61670

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Pace Analytical
575 Broad Hollow Road
Melville, NY 11747

WO#:7045775

7045775

PELHAM BAY LANDFILL

M1

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: Andre Dziegelewski	
Source: **Pelham Bay Landfill**	
Job No.:	

Laboratory Use Only
Samples were:
1. Shipped____ or Hand Delivered____ Airbill#_____
2. Ambient or Chilled, **Temperature** _____
3. Received in good condition Yes or No
4. Properly preserved Yes or No
• Discrepancies between labels and COC? Yes or No

MATRIX (Water, Soil, etc.)	COLLECTED DATE	COLLECTED TIME	SAMPLE IDENTIFICATION	Total Number of Containers: 27	VOCs (Grabs composited at Lab) 40 mL VIALS	Cyanide (Grabs composited at Lab) 60 mL Plastic [NaOH]	TSS, pH 500 mL Plastic	Oil & Grease 1 Liter Amber Glass [HCl]	Non Metals 1 Liter Plastic	Metals 250 mL Plastic [HNO_3]	Total N, TKN 250 mL Plastic [H_2SO_4]	SVOC (625) and PCB (608) 1 Liter Amber Glass	Field Ph	Lab. ID #	REMARKS
Water	3/20/18	7:00	M1 - 7:00 - Grab #1	5	2	1	1	1							
Water	3/20/18	8:00	M1 - 8:00 - Grab #2	5	2	1	1	1							
Water	3/20/18	9:00	M1 - 9:00 - Grab #3	5	2	1	1	1							
Water	3/20/18	10:00	M1 - 10:00 - Grab #4	5	2	1	1	1							
Start:	3/19/18	9:00	M1 - 24 Hour Field Composite												
End:	3/20/18	10:00		7					1	1	1	4			

Relinquished by: (Signature)	Date:	SEAL INTACT? YES NO NA	Received by: (Signature)	Relinquished by: (Signature)	Date:	SEAL INTACT? YES NO NA	Received by: (Signature)
Representing: STRATIS	Time: 10:55		Representing:	Representing:	Time:		Representing:
Relinquished by: (Signature)	Date:	SEAL INTACT? YES NO NA	Received by: (Signature)	Relinquished by: (Signature)	Date:	SEAL INTACT? YES NO NA	Received by: (Signature)
Representing:	Time:		Representing:	Representing:	Time:		Representing:

T-1.0 (W)

Sample Condition Upon Receipt

Pace Analytical

WO#: 7045775
PM: JSA Due Date: 04/03/18
CLIENT: STRATIS

Client Name: Stratis Proje

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No Seals intact: ☐ Yes ☐ No

Temperature Blank Present: ☐ Yes ☑ No

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☑ None ☐ Other

Type of Ice: (Wet) Blue None

Thermometer Used: TH091 Correction Factor: 0.0

☐ Samples on ice, cooling process has begun

Cooler Temperature (°C): 1.0 Cooler Temperature Corrected (°C): 1.0

Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☑ N/A, water sample)

Date and Initials of person examining contents: SB 3/20/18

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ YES ☐ NO

Did samples orignate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☑ No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	☑Yes	☐No		1.
Chain of Custody Filled Out:	☑Yes	☐No		2.
Chain of Custody Relinquished:	☑Yes	☐No		3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☑Yes	☐No		5.
Short Hold Time Analysis (<72hr):	☑Yes	☐No		6.
Rush Turn Around Time Requested:	☐Yes	☑No		7.
Sufficient Volume: (Triple volume provided for MS/MSD)	☑Yes	☐No		8.
Correct Containers Used:	☑Yes	☐No		9.
-Pace Containers Used:	☑Yes	☐No		
Containers Intact:	☑Yes	☐No		10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☐Yes	☐No		12.
-Includes date/time/ID/Analysis Matrix SL WT OIL				
All containers needing preservation have been checked	☑Yes	☐No	☐N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot # HC727135				Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NAOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	☑Yes	☐No	☐N/A	Initial when completed: / Lot # of added preservative: / Date/Time preservative added
Samples checked for dechlorination:	☐Yes	☐No	☑N/A	14.
KI starch test strips Lot #				Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #				
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A	15.
Trip Blank Present:	☐Yes	☑No	☐N/A	16.
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A	
Pace Trip Blank Lot # (if applicable):				

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

* PM (Project Manager) review is documented electronically in LIMS.

F-LI-C-002-rev.02

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

April 24, 2018

Vincent G. Pelusio
Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566

RE: Project: Pelham M1 4/11
Pace Project No.: 7048020

Dear Vincent Pelusio:
Enclosed are the analytical results for sample(s) received by the laboratory on April 11, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Jennifer Aracri
jennifer.aracri@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: Emile Mclean, Stratis Contracting Corp.
Keith Robinson, Stratis Contracting Corp.

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Melville, NY 11747
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CERTIFICATIONS

Project: Pelham M1 4/11
Pace Project No.: 7048020

Long Island Certification IDs

575 Broad Hollow Rd, Melville, NY 11747
New York Certification #: 10478 Primary Accrediting Body
New Jersey Certification #: NY158
Pennsylvania Certification #: 68-00350
Connecticut Certification #: PH-0435
Maryland Certification #: 208
Rhode Island Certification #: LAO00340
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987

REPORT OF LABORATORY ANALYSIS

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Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: Pelham M1 4/11
Pace Project No.: 7048020

Sample: M1-7:00-GRAB#1 **Lab ID: 7048020001** Collected: 04/11/18 07:00 Received: 04/11/18 10:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	**<5.3**	mg/L	5.3	1		04/23/18 14:40		
2540D Total Suspended Solids	Analytical Method: SM22 2540D							
Total Suspended Solids	**<10.0**	mg/L	10.0	1		04/17/18 17:26		
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B							
pH at 25 Degrees C	**7.2**	Std. Units	0.10	1		04/11/18 23:29		H3,H6, N3

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ANALYTICAL RESULTS

Project: Pelham M1 4/11
Pace Project No.: 7048020

Sample: M1-8:00-GRAB#2 **Lab ID: 7048020002** Collected: 04/11/18 08:00 Received: 04/11/18 10:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	**<5.0**	mg/L	5.0	1		04/23/18 14:40		
2540D Total Suspended Solids	Analytical Method: SM22 2540D							
Total Suspended Solids	**<10.0**	mg/L	10.0	1		04/17/18 17:26		
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B							
pH at 25 Degrees C	**7.2**	Std. Units	0.10	1		04/11/18 23:30		H3,H6, N3

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(631)694-3040

ANALYTICAL RESULTS

Project: Pelham M1 4/11
Pace Project No.: 7048020

Sample: M1-9:00-GRAB #3 **Lab ID: 7048020003** Collected: 04/11/18 09:00 Received: 04/11/18 10:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	**<5.1**	mg/L	5.1	1		04/23/18 14:40		
2540D Total Suspended Solids	Analytical Method: SM22 2540D							
Total Suspended Solids	**<10.0**	mg/L	10.0	1		04/17/18 17:26		
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B							
pH at 25 Degrees C	**7.3**	Std. Units	0.10	1		04/11/18 23:31		H3,H6, N3

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ANALYTICAL RESULTS

Project: Pelham M1 4/11
Pace Project No.: 7048020

Sample: M1-10:00-GRAB #4 **Lab ID: 7048020004** Collected: 04/11/18 10:00 Received: 04/11/18 10:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	**<5.1**	mg/L	5.1	1		04/23/18 14:40		
2540D Total Suspended Solids	Analytical Method: SM22 2540D							
Total Suspended Solids	**<10.0**	mg/L	10.0	1		04/17/18 17:26		
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B							
pH at 25 Degrees C	**7.3**	Std. Units	0.10	1		04/11/18 23:31		H3,H6, N3

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ANALYTICAL RESULTS

Project: Pelham M1 4/11
Pace Project No.: 7048020

Sample: M1-24 HOUR FIELD COMPOSITE **Lab ID: 7048020005** Collected: 04/11/18 10:00 Received: 04/11/18 10:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
608.3 GCSV PCB LOW	Analytical Method: EPA 608.3 Preparation Method: EPA 608.3							
PCB-1016 (Aroclor 1016)	**<0.065**	ug/L	0.065	1	04/16/18 19:15	04/18/18 02:31	12674-11-2	
PCB-1221 (Aroclor 1221)	**<0.065**	ug/L	0.065	1	04/16/18 19:15	04/18/18 02:31	11104-28-2	
PCB-1232 (Aroclor 1232)	**<0.065**	ug/L	0.065	1	04/16/18 19:15	04/18/18 02:31	11141-16-5	
PCB-1242 (Aroclor 1242)	**<0.065**	ug/L	0.065	1	04/16/18 19:15	04/18/18 02:31	53469-21-9	
PCB-1248 (Aroclor 1248)	**<0.065**	ug/L	0.065	1	04/16/18 19:15	04/18/18 02:31	12672-29-6	
PCB-1254 (Aroclor 1254)	**<0.065**	ug/L	0.065	1	04/16/18 19:15	04/18/18 02:31	11097-69-1	
PCB-1260 (Aroclor 1260)	**<0.065**	ug/L	0.065	1	04/16/18 19:15	04/18/18 02:31	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	45	%	10-149	1	04/16/18 19:15	04/18/18 02:31	877-09-8	
Decachlorobiphenyl (S)	62	%	10-149	1	04/16/18 19:15	04/18/18 02:31	2051-24-3	
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Cadmium	**<2.5**	ug/L	2.5	1	04/13/18 09:28	04/16/18 22:42	7440-43-9	
Chromium	**<10.0**	ug/L	10.0	1	04/13/18 09:28	04/16/18 22:42	7440-47-3	
Copper	**<25.0**	ug/L	25.0	1	04/13/18 09:28	04/16/18 22:42	7440-50-8	
Lead	**<5.0**	ug/L	5.0	1	04/13/18 09:28	04/16/18 22:42	7439-92-1	
Molybdenum	**<20.0**	ug/L	20.0	1	04/13/18 09:28	04/16/18 22:42	7439-98-7	
Nickel	**<40.0**	ug/L	40.0	1	04/13/18 09:28	04/16/18 22:42	7440-02-0	
Silver	**<10.0**	ug/L	10.0	1	04/13/18 09:28	04/16/18 22:42	7440-22-4	
Zinc	**<20.0**	ug/L	20.0	1	04/13/18 09:28	04/16/18 22:42	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	**<0.20**	ug/L	0.20	1	04/13/18 11:36	04/16/18 16:48	7439-97-6	
625.1 MSSV	Analytical Method: EPA 625.1 Preparation Method: EPA 625.1 SF							
Acenaphthene	**<1.0**	ug/L	1.0	1	04/13/18 10:21	04/17/18 18:50	83-32-9	
Acenaphthylene	**<1.0**	ug/L	1.0	1	04/13/18 10:21	04/17/18 18:50	208-96-8	
Anthracene	**<1.0**	ug/L	1.0	1	04/13/18 10:21	04/17/18 18:50	120-12-7	
Benzo(a)anthracene	**<1.0**	ug/L	1.0	1	04/13/18 10:21	04/17/18 18:50	56-55-3	
Benzo(a)pyrene	**<1.0**	ug/L	1.0	1	04/13/18 10:21	04/17/18 18:50	50-32-8	
Benzo(b)fluoranthene	**<1.0**	ug/L	1.0	1	04/13/18 10:21	04/17/18 18:50	205-99-2	
Benzo(g,h,i)perylene	**<1.0**	ug/L	1.0	1	04/13/18 10:21	04/17/18 18:50	191-24-2	
Benzo(k)fluoranthene	**<1.0**	ug/L	1.0	1	04/13/18 10:21	04/17/18 18:50	207-08-9	
4-Bromophenylphenyl ether	**<1.0**	ug/L	1.0	1	04/13/18 10:21	04/17/18 18:50	101-55-3	
Butylbenzylphthalate	**1.9**	ug/L	1.0	1	04/13/18 10:21	04/17/18 18:50	85-68-7	
Carbazole	**<1.0**	ug/L	1.0	1	04/13/18 10:21	04/17/18 18:50	86-74-8	
4-Chloro-3-methylphenol	**<1.0**	ug/L	1.0	1	04/13/18 10:21	04/17/18 18:50	59-50-7	
4-Chloroaniline	**<1.0**	ug/L	1.0	1	04/13/18 10:21	04/17/18 18:50	106-47-8	M1,N2
bis(2-Chloroethoxy)methane	**<1.0**	ug/L	1.0	1	04/13/18 10:21	04/17/18 18:50	111-91-1	
bis(2-Chloroethyl) ether	**<1.0**	ug/L	1.0	1	04/13/18 10:21	04/17/18 18:50	111-44-4	
2-Chloronaphthalene	**<1.0**	ug/L	1.0	1	04/13/18 10:21	04/17/18 18:50	91-58-7	
2-Chlorophenol	**<1.0**	ug/L	1.0	1	04/13/18 10:21	04/17/18 18:50	95-57-8	
4-Chlorophenylphenyl ether	**<1.0**	ug/L	1.0	1	04/13/18 10:21	04/17/18 18:50	7005-72-3	
Chrysene	**<1.0**	ug/L	1.0	1	04/13/18 10:21	04/17/18 18:50	218-01-9	
Dibenz(a,h)anthracene	**<1.0**	ug/L	1.0	1	04/13/18 10:21	04/17/18 18:50	53-70-3	
3,3'-Dichlorobenzidine	**<1.0**	ug/L	1.0	1	04/13/18 10:21	04/17/18 18:50	91-94-1	M1

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: Pelham M1 4/11
Pace Project No.: 7048020

Sample: M1-24 HOUR FIELD COMPOSITE **Lab ID: 7048020005** Collected: 04/11/18 10:00 Received: 04/11/18 10:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625.1 MSSV	Analytical Method: EPA 625.1 Preparation Method: EPA 625.1 SF							
2,4-Dichlorophenol	**<1.0**	ug/L	1.0	1	04/13/18 10:21	04/17/18 18:50	120-83-2	
Diethylphthalate	**<1.0**	ug/L	1.0	1	04/13/18 10:21	04/17/18 18:50	84-66-2	
2,4-Dimethylphenol	**<5.0**	ug/L	5.0	1	04/13/18 10:21	04/17/18 18:50	105-67-9	L2,M0
Dimethylphthalate	**<1.0**	ug/L	1.0	1	04/13/18 10:21	04/17/18 18:50	131-11-3	
Di-n-butylphthalate	**<1.0**	ug/L	1.0	1	04/13/18 10:21	04/17/18 18:50	84-74-2	
4,6-Dinitro-2-methylphenol	**<5.0**	ug/L	5.0	1	04/13/18 10:21	04/17/18 18:50	534-52-1	
2,4-Dinitrophenol	**<5.0**	ug/L	5.0	1	04/13/18 10:21	04/17/18 18:50	51-28-5	
2,4-Dinitrotoluene	**<1.0**	ug/L	1.0	1	04/13/18 10:21	04/17/18 18:50	121-14-2	
2,6-Dinitrotoluene	**<1.0**	ug/L	1.0	1	04/13/18 10:21	04/17/18 18:50	606-20-2	
Di-n-octylphthalate	**<1.0**	ug/L	1.0	1	04/13/18 10:21	04/17/18 18:50	117-84-0	M1
bis(2-Ethylhexyl)phthalate	**<1.0**	ug/L	1.0	1	04/13/18 10:21	04/17/18 18:50	117-81-7	
Fluoranthene	**<1.0**	ug/L	1.0	1	04/13/18 10:21	04/17/18 18:50	206-44-0	
Fluorene	**<1.0**	ug/L	1.0	1	04/13/18 10:21	04/17/18 18:50	86-73-7	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1	04/13/18 10:21	04/17/18 18:50	87-68-3	
Hexachlorobenzene	**<1.0**	ug/L	1.0	1	04/13/18 10:21	04/17/18 18:50	118-74-1	
Hexachlorocyclopentadiene	**<5.0**	ug/L	5.0	1	04/13/18 10:21	04/17/18 18:50	77-47-4	CL
Hexachloroethane	**<1.0**	ug/L	1.0	1	04/13/18 10:21	04/17/18 18:50	67-72-1	
Indeno(1,2,3-cd)pyrene	**<1.0**	ug/L	1.0	1	04/13/18 10:21	04/17/18 18:50	193-39-5	
Isophorone	**<1.0**	ug/L	1.0	1	04/13/18 10:21	04/17/18 18:50	78-59-1	
2-Methylnaphthalene	**<1.0**	ug/L	1.0	1	04/13/18 10:21	04/17/18 18:50	91-57-6	N2
2-Methylphenol(o-Cresol)	**<1.0**	ug/L	1.0	1	04/13/18 10:21	04/17/18 18:50	95-48-7	
3&4-Methylphenol(m&p Cresol)	**14.6**	ug/L	1.0	1	04/13/18 10:21	04/17/18 18:50		
Naphthalene	**2.3**	ug/L	1.0	1	04/13/18 10:21	04/17/18 18:50	91-20-3	
2-Nitroaniline	**<1.0**	ug/L	1.0	1	04/13/18 10:21	04/17/18 18:50	88-74-4	M1,N2
3-Nitroaniline	**<1.0**	ug/L	1.0	1	04/13/18 10:21	04/17/18 18:50	99-09-2	M1,N2
4-Nitroaniline	**<1.0**	ug/L	1.0	1	04/13/18 10:21	04/17/18 18:50	100-01-6	M1,N2
Nitrobenzene	**<1.0**	ug/L	1.0	1	04/13/18 10:21	04/17/18 18:50	98-95-3	
2-Nitrophenol	**<1.0**	ug/L	1.0	1	04/13/18 10:21	04/17/18 18:50	88-75-5	
4-Nitrophenol	**<5.0**	ug/L	5.0	1	04/13/18 10:21	04/17/18 18:50	100-02-7	
N-Nitroso-di-n-propylamine	**<1.0**	ug/L	1.0	1	04/13/18 10:21	04/17/18 18:50	621-64-7	
N-Nitrosodiphenylamine	**<1.0**	ug/L	1.0	1	04/13/18 10:21	04/17/18 18:50	86-30-6	
2,2'-Oxybis(1-chloropropane)	**<1.0**	ug/L	1.0	1	04/13/18 10:21	04/17/18 18:50	108-60-1	L2
Pentachlorophenol	**<5.0**	ug/L	5.0	1	04/13/18 10:21	04/17/18 18:50	87-86-5	
Phenanthrene	**<1.0**	ug/L	1.0	1	04/13/18 10:21	04/17/18 18:50	85-01-8	
Phenol	**<1.0**	ug/L	1.0	1	04/13/18 10:21	04/17/18 18:50	108-95-2	
Pyrene	**<1.0**	ug/L	1.0	1	04/13/18 10:21	04/17/18 18:50	129-00-0	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1	04/13/18 10:21	04/17/18 18:50	120-82-1	
2,4,5-Trichlorophenol	**<1.0**	ug/L	1.0	1	04/13/18 10:21	04/17/18 18:50	95-95-4	
2,4,6-Trichlorophenol	**<1.0**	ug/L	1.0	1	04/13/18 10:21	04/17/18 18:50	88-06-2	
Surrogates								
2-Fluorophenol (S)	35	%	60-140	1	04/13/18 10:21	04/17/18 18:50	367-12-4	S0
Phenol-d5 (S)	21	%	10-110	1	04/13/18 10:21	04/17/18 18:50	4165-62-2	
Nitrobenzene-d5 (S)	58	%	35-114	1	04/13/18 10:21	04/17/18 18:50	4165-60-0	
2-Fluorobiphenyl (S)	61	%	60-140	1	04/13/18 10:21	04/17/18 18:50	321-60-8	
2,4,6-Tribromophenol (S)	91	%	10-123	1	04/13/18 10:21	04/17/18 18:50	118-79-6	
p-Terphenyl-d14 (S)	76	%	33-141	1	04/13/18 10:21	04/17/18 18:50	1718-51-0	

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ANALYTICAL RESULTS

Project: Pelham M1 4/11
Pace Project No.: 7048020

Sample: M1-24 HOUR FIELD COMPOSITE **Lab ID: 7048020005** Collected: 04/11/18 10:00 Received: 04/11/18 10:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625.1 MSSV	Analytical Method: EPA 625.1 Preparation Method: EPA 625.1 SF							
Surrogates								
1,2-Dichlorobenzene-d4 (S)	44	%	16-110	1	04/13/18 10:21	04/17/18 18:50	2199-69-1	
2-Chlorophenol-d4 (S)	56	%	33-110	1	04/13/18 10:21	04/17/18 18:50	93951-73-6	
Chromium, Hexavalent	Analytical Method: SM22 3500-Cr B							
Chromium, Hexavalent	**<0.020**	mg/L	0.020	1		04/11/18 19:20	18540-29-9	
5210B cBOD, 5 day	Analytical Method: SM22 5210B Preparation Method: SM22 5210B							
Carbonaceous BOD, 5 day	**<4.0**	mg/L	4.0	2	04/12/18 10:47	04/17/18 12:07		
Total Nitrogen Calculation	Analytical Method: SM22 4500-N							
Total Nitrogen	**29.4**	mg/L	0.10	1		04/24/18 14:33		
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	**24.5**	mg/L	1.0	10	04/24/18 06:27	04/24/18 13:48	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrate-Nitrite (as N)	**4.9**	mg/L	0.50	10		04/13/18 21:24	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**0.22**	mg/L	0.050	1		04/11/18 19:36	14797-65-0	
4500 Chloride	Analytical Method: SM22 4500-Cl-E							
Chloride	**171**	mg/L	40.0	20		04/17/18 14:17	16887-00-6	

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ANALYTICAL RESULTS

Project: Pelham M1 4/11
Pace Project No.: 7048020

Sample: M1-GRAB COMPOSITE **Lab ID: 7048020006** Collected: 04/11/18 10:00 Received: 04/11/18 10:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624.1 Volatile Organics	Analytical Method: EPA 624.1							
Acetone	**41.1**	ug/L	5.0	1		04/16/18 15:44	67-64-1	
Benzene	**<1.0**	ug/L	1.0	1		04/16/18 15:44	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		04/16/18 15:44	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		04/16/18 15:44	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		04/16/18 15:44	74-83-9	
2-Butanone (MEK)	**8.6**	ug/L	5.0	1		04/16/18 15:44	78-93-3	N2
Carbon disulfide	**<1.0**	ug/L	1.0	1		04/16/18 15:44	75-15-0	CL,N2
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		04/16/18 15:44	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		04/16/18 15:44	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		04/16/18 15:44	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		04/16/18 15:44	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		04/16/18 15:44	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		04/16/18 15:44	124-48-1	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		04/16/18 15:44	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		04/16/18 15:44	541-73-1	
1,4-Dichlorobenzene	**1.3**	ug/L	1.0	1		04/16/18 15:44	106-46-7	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		04/16/18 15:44	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		04/16/18 15:44	107-06-2	
1,2-Dichloroethene (Total)	**<1.0**	ug/L	1.0	1		04/16/18 15:44	540-59-0	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		04/16/18 15:44	75-35-4	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		04/16/18 15:44	78-87-5	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		04/16/18 15:44	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		04/16/18 15:44	10061-02-6	
Ethylbenzene	**<1.0**	ug/L	1.0	1		04/16/18 15:44	100-41-4	
2-Hexanone	**<5.0**	ug/L	5.0	1		04/16/18 15:44	591-78-6	N2
Methylene Chloride	**<1.0**	ug/L	1.0	1		04/16/18 15:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		04/16/18 15:44	108-10-1	N2
Methyl-tert-butyl ether	**<1.0**	ug/L	1.0	1		04/16/18 15:44	1634-04-4	
Styrene	**<1.0**	ug/L	1.0	1		04/16/18 15:44	100-42-5	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		04/16/18 15:44	79-34-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		04/16/18 15:44	127-18-4	IL
Toluene	**<1.0**	ug/L	1.0	1		04/16/18 15:44	108-88-3	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		04/16/18 15:44	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		04/16/18 15:44	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	1		04/16/18 15:44	79-01-6	
Vinyl chloride	**<1.0**	ug/L	1.0	1		04/16/18 15:44	75-01-4	
Xylene (Total)	**<1.0**	ug/L	1.0	1		04/16/18 15:44	1330-20-7	
m&p-Xylene	**<1.0**	ug/L	1.0	1		04/16/18 15:44	179601-23-1	
o-Xylene	**<1.0**	ug/L	1.0	1		04/16/18 15:44	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	100	%	79-124	1		04/16/18 15:44	460-00-4	
Toluene-d8 (S)	96	%	69-127	1		04/16/18 15:44	2037-26-5	
1,2-Dichloroethane-d4 (S)	99	%	68-153	1		04/16/18 15:44	17060-07-0	
Preservation pH	**7.0**			1		04/16/18 15:44		
SM 4500 CNE Cyanide, Total	Analytical Method: SM22 4500-CN-E Preparation Method: SM20/22 4500-CN-C							
Cyanide	**<10.0**	ug/L	10.0	1	04/24/18 10:28	04/24/18 13:19	57-12-5	

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ANALYTICAL RESULTS

Project: Pelham M1 4/11
Pace Project No.: 7048020

Sample: M1-GRAB COMPOSITE **Lab ID: 7048020006** Collected: 04/11/18 10:00 Received: 04/11/18 10:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500CNG Cyanide, Amenable	Analytical Method: SM22 4500-CN-E Preparation Method: SM22 4500-CN-G							
Amenable Cyanide	**<10.0**	ug/L	10.0	1	04/24/18 13:58	04/24/18 14:00	57-12-5	

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QUALITY CONTROL DATA

Project: Pelham M1 4/11
Pace Project No.: 7048020

QC Batch: 63371 Analysis Method: EPA 245.1
QC Batch Method: EPA 245.1 Analysis Description: 245.1 Mercury
Associated Lab Samples: 7048020005

METHOD BLANK: 291052 Matrix: Water
Associated Lab Samples: 7048020005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.20	0.20	04/16/18 16:44	

LABORATORY CONTROL SAMPLE: 291053

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	1	1.1	107	85-115	

MATRIX SPIKE SAMPLE: 291054

Parameter	Units	7048020005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	<0.20	1	0.92	92	70-130	

SAMPLE DUPLICATE: 291055

Parameter	Units	7048020005 Result	Dup Result	RPD	Qualifiers
Mercury	ug/L	<0.20	<0.20		

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QUALITY CONTROL DATA

Project: Pelham M1 4/11
Pace Project No.: 7048020

QC Batch: 63364
QC Batch Method: EPA 200.7
Analysis Method: EPA 200.7
Analysis Description: 200.7 Metals, Total
Associated Lab Samples: 7048020005

METHOD BLANK: 291021 Matrix: Water
Associated Lab Samples: 7048020005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cadmium	ug/L	<2.5	2.5	04/16/18 22:03	
Chromium	ug/L	<10.0	10.0	04/16/18 22:03	
Copper	ug/L	<25.0	25.0	04/16/18 22:03	
Lead	ug/L	<5.0	5.0	04/16/18 22:03	
Molybdenum	ug/L	<20.0	20.0	04/16/18 22:03	
Nickel	ug/L	<40.0	40.0	04/16/18 22:03	
Silver	ug/L	<10.0	10.0	04/16/18 22:03	
Zinc	ug/L	<20.0	20.0	04/16/18 22:03	

LABORATORY CONTROL SAMPLE: 291022

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cadmium	ug/L	50	50.6	101	85-115	
Chromium	ug/L	250	252	101	85-115	
Copper	ug/L	250	254	102	85-115	
Lead	ug/L	500	509	102	85-115	
Molybdenum	ug/L	500	505	101	85-115	
Nickel	ug/L	250	254	102	85-115	
Silver	ug/L	250	248	99	85-115	
Zinc	ug/L	1000	1000	100	85-115	

MATRIX SPIKE SAMPLE: 291024

Parameter	Units	30248988001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cadmium	ug/L	ND	50	52.0	103	70-130	
Chromium	ug/L	ND	250	261	104	70-130	
Copper	ug/L	ND	250	259	104	70-130	
Lead	ug/L	ND	500	518	103	70-130	
Molybdenum	ug/L	ND	500	520	103	70-130	
Nickel	ug/L	ND	250	258	103	70-130	
Silver	ug/L	ND	250	267	107	70-130	
Zinc	ug/L	ND	1000	1030	103	70-130	

MATRIX SPIKE SAMPLE: 291026

Parameter	Units	7048222001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cadmium	ug/L	<2.5	50	45.2	90	70-130	

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QUALITY CONTROL DATA

Project: Pelham M1 4/11
Pace Project No.: 7048020

MATRIX SPIKE SAMPLE: 291026

Parameter	Units	7048222001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chromium	ug/L	<10.0	250	245	96	70-130	
Copper	ug/L	<25.0	250	241	95	70-130	
Lead	ug/L	<5.0	500	462	92	70-130	
Molybdenum	ug/L	<20.0	500	474	95	70-130	
Nickel	ug/L	<40.0	250	226	90	70-130	
Silver	ug/L	<10.0	250	327	131	70-130	M1
Zinc	ug/L	<20.0	1000	1110	111	70-130	

SAMPLE DUPLICATE: 291023

Parameter	Units	30248988001 Result	Dup Result	RPD	Qualifiers
Cadmium	ug/L	ND	<2.5		
Chromium	ug/L	ND	<10.0		
Copper	ug/L	ND	<25.0		
Lead	ug/L	ND	<5.0		
Molybdenum	ug/L	ND	<20.0		
Nickel	ug/L	ND	<40.0		
Silver	ug/L	ND	<10.0		
Zinc	ug/L	ND	<20.0		

SAMPLE DUPLICATE: 291025

Parameter	Units	7048222001 Result	Dup Result	RPD	Qualifiers
Cadmium	ug/L	<2.5	<2.5		
Chromium	ug/L	<10.0	<10.0		
Copper	ug/L	<25.0	<25.0		
Lead	ug/L	<5.0	<5.0		
Molybdenum	ug/L	<20.0	<20.0		
Nickel	ug/L	<40.0	<40.0		
Silver	ug/L	<10.0	<10.0		
Zinc	ug/L	<20.0	<20.0		

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QUALITY CONTROL DATA

Project: Pelham M1 4/11
Pace Project No.: 7048020

QC Batch: 63743 Analysis Method: EPA 624.1
QC Batch Method: EPA 624.1 Analysis Description: 624.1 MSV
Associated Lab Samples: 7048020006

METHOD BLANK: 292599 Matrix: Water
Associated Lab Samples: 7048020006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	04/16/18 12:26	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	04/16/18 12:26	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	04/16/18 12:26	
1,1-Dichloroethane	ug/L	<1.0	1.0	04/16/18 12:26	
1,1-Dichloroethene	ug/L	<1.0	1.0	04/16/18 12:26	
1,2-Dichlorobenzene	ug/L	<1.0	1.0	04/16/18 12:26	
1,2-Dichloroethane	ug/L	<1.0	1.0	04/16/18 12:26	
1,2-Dichloroethene (Total)	ug/L	<1.0	1.0	04/16/18 12:26	
1,2-Dichloropropane	ug/L	<1.0	1.0	04/16/18 12:26	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	04/16/18 12:26	
1,4-Dichlorobenzene	ug/L	<1.0	1.0	04/16/18 12:26	
2-Butanone (MEK)	ug/L	<5.0	5.0	04/16/18 12:26	N2
2-Hexanone	ug/L	<5.0	5.0	04/16/18 12:26	N2
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	04/16/18 12:26	N2
Acetone	ug/L	<5.0	5.0	04/16/18 12:26	
Benzene	ug/L	<1.0	1.0	04/16/18 12:26	
Bromodichloromethane	ug/L	<1.0	1.0	04/16/18 12:26	
Bromoform	ug/L	<1.0	1.0	04/16/18 12:26	
Bromomethane	ug/L	<1.0	1.0	04/16/18 12:26	
Carbon disulfide	ug/L	<1.0	1.0	04/16/18 12:26	CL,N2
Carbon tetrachloride	ug/L	<1.0	1.0	04/16/18 12:26	
Chlorobenzene	ug/L	<1.0	1.0	04/16/18 12:26	
Chloroethane	ug/L	<1.0	1.0	04/16/18 12:26	
Chloroform	ug/L	<1.0	1.0	04/16/18 12:26	
Chloromethane	ug/L	<1.0	1.0	04/16/18 12:26	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	04/16/18 12:26	
Dibromochloromethane	ug/L	<1.0	1.0	04/16/18 12:26	
Ethylbenzene	ug/L	<1.0	1.0	04/16/18 12:26	
m&p-Xylene	ug/L	<1.0	1.0	04/16/18 12:26	
Methyl-tert-butyl ether	ug/L	<1.0	1.0	04/16/18 12:26	
Methylene Chloride	ug/L	<1.0	1.0	04/16/18 12:26	
o-Xylene	ug/L	<1.0	1.0	04/16/18 12:26	
Styrene	ug/L	<1.0	1.0	04/16/18 12:26	
Tetrachloroethene	ug/L	<1.0	1.0	04/16/18 12:26	IL
Toluene	ug/L	<1.0	1.0	04/16/18 12:26	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	04/16/18 12:26	
Trichloroethene	ug/L	<1.0	1.0	04/16/18 12:26	
Vinyl chloride	ug/L	<1.0	1.0	04/16/18 12:26	
Xylene (Total)	ug/L	<1.0	1.0	04/16/18 12:26	
1,2-Dichloroethane-d4 (S)	%	96	68-153	04/16/18 12:26	
4-Bromofluorobenzene (S)	%	102	79-124	04/16/18 12:26	

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(631)694-3040

QUALITY CONTROL DATA

Project: Pelham M1 4/11
Pace Project No.: 7048020

METHOD BLANK: 292599 Matrix: Water
Associated Lab Samples: 7048020006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene-d8 (S)	%	99	69-127	04/16/18 12:26	

LABORATORY CONTROL SAMPLE: 292600

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	20.1	100	52-162	
1,1,2,2-Tetrachloroethane	ug/L	20	20.0	100	46-157	
1,1,2-Trichloroethane	ug/L	20	20.8	104	52-150	
1,1-Dichloroethane	ug/L	20	19.4	97	59-155	
1,1-Dichloroethene	ug/L	20	18.9	94	10-234	
1,2-Dichlorobenzene	ug/L	20	18.9	95	18-190	
1,2-Dichloroethane	ug/L	20	20.4	102	49-155	
1,2-Dichloroethene (Total)	ug/L	40	37.6	94	40-160	
1,2-Dichloropropane	ug/L	20	19.2	96	10-210	
1,3-Dichlorobenzene	ug/L	20	18.6	93	59-156	
1,4-Dichlorobenzene	ug/L	20	18.9	94	18-190	
2-Butanone (MEK)	ug/L	20	20.2	101	40-160	N2
2-Hexanone	ug/L	20	19.8	99	40-160	N2
4-Methyl-2-pentanone (MIBK)	ug/L	20	19.9	99	40-160	N2
Acetone	ug/L	20	25.1	125	40-160	
Benzene	ug/L	20	20.3	101	65-135	
Bromodichloromethane	ug/L	20	21.0	105	35-155	
Bromoform	ug/L	20	19.7	98	45-169	
Bromomethane	ug/L	20	19.5	97	10-242	
Carbon disulfide	ug/L	20	19.6	98	40-160	CL,N2
Carbon tetrachloride	ug/L	20	19.7	99	70-140	
Chlorobenzene	ug/L	20	19.2	96	37-160	
Chloroethane	ug/L	20	17.4	87	14-230	
Chloroform	ug/L	20	19.5	97	51-138	
Chloromethane	ug/L	20	18.3	91	10-273	
cis-1,3-Dichloropropene	ug/L	20	21.2	106	10-227	
Dibromochloromethane	ug/L	20	20.2	101	53-149	
Ethylbenzene	ug/L	20	19.5	97	37-162	
m&p-Xylene	ug/L	40	39.1	98	40-160	
Methyl-tert-butyl ether	ug/L	20	19.8	99	40-160	
Methylene Chloride	ug/L	20	20.3	101	10-221	
o-Xylene	ug/L	20	19.3	96	40-160	
Styrene	ug/L	20	19.7	98	40-160	
Tetrachloroethene	ug/L	20	16.3	82	64-148	IL
Toluene	ug/L	20	20.1	100	47-150	
trans-1,3-Dichloropropene	ug/L	20	21.1	106	17-183	
Trichloroethene	ug/L	20	18.7	94	70-157	
Vinyl chloride	ug/L	20	18.1	90	10-251	
Xylene (Total)	ug/L	60	58.4	97	40-160	

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QUALITY CONTROL DATA

Project: Pelham M1 4/11
Pace Project No.: 7048020

LABORATORY CONTROL SAMPLE: 292600

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane-d4 (S)	%			99	68-153	
4-Bromofluorobenzene (S)	%			106	79-124	
Toluene-d8 (S)	%			102	69-127	
Preservation pH			7.0			

MATRIX SPIKE SAMPLE: 292602

Parameter	Units	30248988001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	50	39.9	80	70-130	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	35.8	72	40-160	
1,1,2-Trichloroethane	ug/L	ND	50	36.2	72	70-130	
1,1-Dichloroethane	ug/L	ND	50	39.4	79	70-130	
1,1-Dichloroethene	ug/L	ND	50	40.2	80	50-150	
1,2-Dichlorobenzene	ug/L	ND	50	37.1	74	62-135	
1,2-Dichloroethane	ug/L	ND	50	37.0	74	70-130	
1,2-Dichloroethene (Total)	ug/L	ND	100	80.5	81	40-160	
1,2-Dichloropropane	ug/L	ND	50	37.3	75	35-165	
1,3-Dichlorobenzene	ug/L	ND	50	38.3	77	70-130	
1,4-Dichlorobenzene	ug/L	ND	50	38.1	76	65-135	
2-Butanone (MEK)	ug/L	ND	50	38.1	76	40-160	N2
2-Hexanone	ug/L	ND	50	39.8	80	40-160	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	50	38.2	76	40-160	N2
Acetone	ug/L	ND	50	58.9	118	40-160	
Benzene	ug/L	ND	50	38.7	77	37-151	
Bromodichloromethane	ug/L	ND	50	38.8	78	65-135	
Bromoform	ug/L	ND	50	35.8	72	70-130	
Bromomethane	ug/L	ND	50	41.3	83	15-185	
Carbon disulfide	ug/L	ND	50	42.4	85	40-160	CL,N2
Carbon tetrachloride	ug/L	ND	50	40.0	80	70-130	
Chlorobenzene	ug/L	ND	50	38.1	76	65-135	
Chloroethane	ug/L	ND	50	39.6	79	40-160	
Chloroform	ug/L	ND	50	39.0	78	70-135	
Chloromethane	ug/L	ND	50	37.7	75	10-205	
cis-1,3-Dichloropropene	ug/L	ND	50	39.9	80	25-175	
Dibromochloromethane	ug/L	ND	50	36.7	73	70-135	
Ethylbenzene	ug/L	ND	50	38.8	78	40-160	
m&p-Xylene	ug/L	ND	100	78.5	78	40-160	
Methyl-tert-butyl ether	ug/L	ND	50	36.6	73	40-160	
Methylene Chloride	ug/L	ND	50	40.2	80	40-160	
o-Xylene	ug/L	ND	50	38.3	77	40-160	
Styrene	ug/L	ND	50	38.6	77	40-160	
Tetrachloroethene	ug/L	ND	50	27.6	55	70-130	IL,M1
Toluene	ug/L	ND	50	39.4	79	70-130	
trans-1,3-Dichloropropene	ug/L	ND	50	39.0	78	50-150	
Trichloroethene	ug/L	ND	50	38.7	77	65-135	

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QUALITY CONTROL DATA

Project: Pelham M1 4/11
Pace Project No.: 7048020

MATRIX SPIKE SAMPLE: 292602

Parameter	Units	30248988001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Vinyl chloride	ug/L	ND	50	40.4	81	40-160	
Xylene (Total)	ug/L	ND	150	117	78	40-160	
1,2-Dichloroethane-d4 (S)	%				93	68-153	
4-Bromofluorobenzene (S)	%				101	79-124	
Toluene-d8 (S)	%				97	69-127	
Preservation pH		7.0		7.0			

SAMPLE DUPLICATE: 292601

Parameter	Units	7048012001 Result	Dup Result	RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	<10.0	<10.0		
1,1,2,2-Tetrachloroethane	ug/L	<10.0	<10.0		
1,1,2-Trichloroethane	ug/L	<10.0	<10.0		
1,1-Dichloroethane	ug/L	<10.0	<10.0		
1,1-Dichloroethene	ug/L	<10.0	<10.0		
1,2-Dichlorobenzene	ug/L	<10.0	<10.0		
1,2-Dichloroethane	ug/L	<10.0	<10.0		
1,2-Dichloroethene (Total)	ug/L	<10.0	<10.0		
1,2-Dichloropropane	ug/L	<10.0	<10.0		
1,3-Dichlorobenzene	ug/L	<10.0	<10.0		
1,4-Dichlorobenzene	ug/L	<10.0	<10.0		
2-Butanone (MEK)	ug/L	<50.0	<50.0		N2
2-Hexanone	ug/L	<50.0	<50.0		N2
4-Methyl-2-pentanone (MIBK)	ug/L	<50.0	<50.0		N2
Acetone	ug/L	671	623	7	
Benzene	ug/L	<10.0	<10.0		
Bromodichloromethane	ug/L	<10.0	<10.0		
Bromoform	ug/L	<10.0	<10.0		
Bromomethane	ug/L	<10.0	<10.0		
Carbon disulfide	ug/L	<10.0	<10.0		CL,N2
Carbon tetrachloride	ug/L	<10.0	<10.0		
Chlorobenzene	ug/L	<10.0	<10.0		
Chloroethane	ug/L	<10.0	<10.0		
Chloroform	ug/L	467	468	0	
Chloromethane	ug/L	<10.0	<10.0		
cis-1,3-Dichloropropene	ug/L	<10.0	<10.0		
Dibromochloromethane	ug/L	<10.0	<10.0		
Ethylbenzene	ug/L	<10.0	<10.0		
m&p-Xylene	ug/L	<10.0	<10.0		
Methyl-tert-butyl ether	ug/L	<10.0	<10.0		
Methylene Chloride	ug/L	<10.0	<10.0		
o-Xylene	ug/L	<10.0	<10.0		
Styrene	ug/L	<10.0	<10.0		
Tetrachloroethene	ug/L	<10.0	<10.0		IL
Toluene	ug/L	10.1	10.8	7	

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QUALITY CONTROL DATA

Project: Pelham M1 4/11
Pace Project No.: 7048020

SAMPLE DUPLICATE: 292601

Parameter	Units	7048012001 Result	Dup Result	RPD	Qualifiers
trans-1,3-Dichloropropene	ug/L	<10.0	<10.0		
Trichloroethene	ug/L	<10.0	<10.0		
Vinyl chloride	ug/L	<10.0	<10.0		
Xylene (Total)	ug/L	<10.0	<10.0		
1,2-Dichloroethane-d4 (S)	%	96	95	0	
4-Bromofluorobenzene (S)	%	100	102	2	
Toluene-d8 (S)	%	95	100	5	
Preservation pH		7.0	7.0	0	

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QUALITY CONTROL DATA

Project: Pelham M1 4/11
Pace Project No.: 7048020

QC Batch: 63700
QC Batch Method: EPA 608.3
Analysis Method: EPA 608.3
Analysis Description: 608.3 GCSV PCB
Associated Lab Samples: 7048020005

METHOD BLANK: 292526
Matrix: Water
Associated Lab Samples: 7048020005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	<0.065	0.065	04/17/18 01:15	
PCB-1221 (Aroclor 1221)	ug/L	<0.065	0.065	04/17/18 01:15	
PCB-1232 (Aroclor 1232)	ug/L	<0.065	0.065	04/17/18 01:15	
PCB-1242 (Aroclor 1242)	ug/L	<0.065	0.065	04/17/18 01:15	
PCB-1248 (Aroclor 1248)	ug/L	<0.065	0.065	04/17/18 01:15	
PCB-1254 (Aroclor 1254)	ug/L	<0.065	0.065	04/17/18 01:15	
PCB-1260 (Aroclor 1260)	ug/L	<0.065	0.065	04/17/18 01:15	
Decachlorobiphenyl (S)	%	74	10-149	04/17/18 01:15	
Tetrachloro-m-xylene (S)	%	49	10-149	04/17/18 01:15	

LABORATORY CONTROL SAMPLE: 292527

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	.5	0.56	112	42-147	
PCB-1260 (Aroclor 1260)	ug/L	.5	0.67	134	51-144	
Decachlorobiphenyl (S)	%			89	10-149	
Tetrachloro-m-xylene (S)	%			65	16-128	

MATRIX SPIKE SAMPLE: 292537

Parameter	Units	7048162001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	<0.065	.5	0.46	92	53-126	
PCB-1221 (Aroclor 1221)	ug/L	<0.065		<0.065			
PCB-1232 (Aroclor 1232)	ug/L	<0.065		<0.065			
PCB-1242 (Aroclor 1242)	ug/L	<0.065		<0.065			
PCB-1248 (Aroclor 1248)	ug/L	<0.065		<0.065			
PCB-1254 (Aroclor 1254)	ug/L	<0.065		<0.065			
PCB-1260 (Aroclor 1260)	ug/L	<0.065	.5	0.49	99	51-144	
Decachlorobiphenyl (S)	%				66	10-149	
Tetrachloro-m-xylene (S)	%				58	10-149	

SAMPLE DUPLICATE: 292536

Parameter	Units	7048020005 Result	Dup Result	RPD	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	<0.065	<0.065		
PCB-1221 (Aroclor 1221)	ug/L	<0.065	<0.065		
PCB-1232 (Aroclor 1232)	ug/L	<0.065	<0.065		

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QUALITY CONTROL DATA

Project: Pelham M1 4/11
Pace Project No.: 7048020

SAMPLE DUPLICATE: 292536

Parameter	Units	7048020005 Result	Dup Result	RPD	Qualifiers
PCB-1242 (Aroclor 1242)	ug/L	<0.065	<0.065		
PCB-1248 (Aroclor 1248)	ug/L	<0.065	<0.065		
PCB-1254 (Aroclor 1254)	ug/L	<0.065	<0.065		
PCB-1260 (Aroclor 1260)	ug/L	<0.065	<0.065		
Decachlorobiphenyl (S)	%	62	61	1	
Tetrachloro-m-xylene (S)	%	45	43	4	

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QUALITY CONTROL DATA

Project: Pelham M1 4/11
Pace Project No.: 7048020

QC Batch: 63320
QC Batch Method: EPA 625.1 SF
Analysis Method: EPA 625.1
Analysis Description: 625.1 MSSV
Associated Lab Samples: 7048020005

METHOD BLANK: 290815
Matrix: Water
Associated Lab Samples: 7048020005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	<1.0	1.0	04/17/18 12:32	
2,2'-Oxybis(1-chloropropane)	ug/L	<1.0	1.0	04/17/18 12:32	
2,4,5-Trichlorophenol	ug/L	<1.0	1.0	04/17/18 12:32	
2,4,6-Trichlorophenol	ug/L	<1.0	1.0	04/17/18 12:32	
2,4-Dichlorophenol	ug/L	<1.0	1.0	04/17/18 12:32	
2,4-Dimethylphenol	ug/L	<5.0	5.0	04/17/18 12:32	
2,4-Dinitrophenol	ug/L	<5.0	5.0	04/17/18 12:32	
2,4-Dinitrotoluene	ug/L	<1.0	1.0	04/17/18 12:32	
2,6-Dinitrotoluene	ug/L	<1.0	1.0	04/17/18 12:32	
2-Chloronaphthalene	ug/L	<1.0	1.0	04/17/18 12:32	
2-Chlorophenol	ug/L	<1.0	1.0	04/17/18 12:32	
2-Methylnaphthalene	ug/L	<1.0	1.0	04/17/18 12:32	N2
2-Methylphenol(o-Cresol)	ug/L	<1.0	1.0	04/17/18 12:32	
2-Nitroaniline	ug/L	<1.0	1.0	04/17/18 12:32	N2
2-Nitrophenol	ug/L	<1.0	1.0	04/17/18 12:32	
3&4-Methylphenol(m&p Cresol)	ug/L	<1.0	1.0	04/17/18 12:32	
3,3'-Dichlorobenzidine	ug/L	<1.0	1.0	04/17/18 12:32	
3-Nitroaniline	ug/L	<1.0	1.0	04/17/18 12:32	N2
4,6-Dinitro-2-methylphenol	ug/L	<5.0	5.0	04/17/18 12:32	
4-Bromophenylphenyl ether	ug/L	<1.0	1.0	04/17/18 12:32	
4-Chloro-3-methylphenol	ug/L	<1.0	1.0	04/17/18 12:32	
4-Chloroaniline	ug/L	<1.0	1.0	04/17/18 12:32	N2
4-Chlorophenylphenyl ether	ug/L	<1.0	1.0	04/17/18 12:32	
4-Nitroaniline	ug/L	<1.0	1.0	04/17/18 12:32	N2
4-Nitrophenol	ug/L	<5.0	5.0	04/17/18 12:32	
Acenaphthene	ug/L	<1.0	1.0	04/17/18 12:32	
Acenaphthylene	ug/L	<1.0	1.0	04/17/18 12:32	
Anthracene	ug/L	<1.0	1.0	04/17/18 12:32	
Benzo(a)anthracene	ug/L	<1.0	1.0	04/17/18 12:32	
Benzo(a)pyrene	ug/L	<1.0	1.0	04/17/18 12:32	
Benzo(b)fluoranthene	ug/L	<1.0	1.0	04/17/18 12:32	
Benzo(g,h,i)perylene	ug/L	<1.0	1.0	04/17/18 12:32	
Benzo(k)fluoranthene	ug/L	<1.0	1.0	04/17/18 12:32	
bis(2-Chloroethoxy)methane	ug/L	<1.0	1.0	04/17/18 12:32	
bis(2-Chloroethyl) ether	ug/L	<1.0	1.0	04/17/18 12:32	
bis(2-Ethylhexyl)phthalate	ug/L	<1.0	1.0	04/17/18 12:32	
Butylbenzylphthalate	ug/L	<1.0	1.0	04/17/18 12:32	
Carbazole	ug/L	<1.0	1.0	04/17/18 12:32	
Chrysene	ug/L	<1.0	1.0	04/17/18 12:32	
Di-n-butylphthalate	ug/L	<1.0	1.0	04/17/18 12:32	
Di-n-octylphthalate	ug/L	<1.0	1.0	04/17/18 12:32	

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QUALITY CONTROL DATA

Project: Pelham M1 4/11
Pace Project No.: 7048020

METHOD BLANK: 290815 Matrix: Water
Associated Lab Samples: 7048020005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibenz(a,h)anthracene	ug/L	<1.0	1.0	04/17/18 12:32	
Diethylphthalate	ug/L	<1.0	1.0	04/17/18 12:32	
Dimethylphthalate	ug/L	<1.0	1.0	04/17/18 12:32	
Fluoranthene	ug/L	<1.0	1.0	04/17/18 12:32	
Fluorene	ug/L	<1.0	1.0	04/17/18 12:32	
Hexachloro-1,3-butadiene	ug/L	<1.0	1.0	04/17/18 12:32	
Hexachlorobenzene	ug/L	<1.0	1.0	04/17/18 12:32	
Hexachlorocyclopentadiene	ug/L	<5.0	5.0	04/17/18 12:32	CL
Hexachloroethane	ug/L	<1.0	1.0	04/17/18 12:32	
Indeno(1,2,3-cd)pyrene	ug/L	<1.0	1.0	04/17/18 12:32	
Isophorone	ug/L	<1.0	1.0	04/17/18 12:32	
N-Nitroso-di-n-propylamine	ug/L	<1.0	1.0	04/17/18 12:32	
N-Nitrosodiphenylamine	ug/L	<1.0	1.0	04/17/18 12:32	
Naphthalene	ug/L	<1.0	1.0	04/17/18 12:32	
Nitrobenzene	ug/L	<1.0	1.0	04/17/18 12:32	
Pentachlorophenol	ug/L	<5.0	5.0	04/17/18 12:32	
Phenanthrene	ug/L	<1.0	1.0	04/17/18 12:32	
Phenol	ug/L	<1.0	1.0	04/17/18 12:32	
Pyrene	ug/L	<1.0	1.0	04/17/18 12:32	
1,2-Dichlorobenzene-d4 (S)	%	48	16-110	04/17/18 12:32	
2,4,6-Tribromophenol (S)	%	69	10-123	04/17/18 12:32	
2-Chlorophenol-d4 (S)	%	61	33-110	04/17/18 12:32	
2-Fluorobiphenyl (S)	%	60	60-140	04/17/18 12:32	
2-Fluorophenol (S)	%	42	60-140	04/17/18 12:32	S0
Nitrobenzene-d5 (S)	%	56	35-114	04/17/18 12:32	
p-Terphenyl-d14 (S)	%	73	33-141	04/17/18 12:32	
Phenol-d5 (S)	%	27	10-110	04/17/18 12:32	

LABORATORY CONTROL SAMPLE: 290816

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	32.7	65	57-130	
2,2'-Oxybis(1-chloropropane)	ug/L	50	24.9	50	63-139	L2
2,4,5-Trichlorophenol	ug/L	50	45.7	91	41-121	
2,4,6-Trichlorophenol	ug/L	50	39.1	78	52-129	
2,4-Dichlorophenol	ug/L	50	35.0	70	53-122	
2,4-Dimethylphenol	ug/L	50	6.0	12	42-120	L2
2,4-Dinitrophenol	ug/L	50	18.6	37	10-173	
2,4-Dinitrotoluene	ug/L	50	47.0	94	48-127	
2,6-Dinitrotoluene	ug/L	50	41.4	83	68-137	
2-Chloronaphthalene	ug/L	50	37.5	75	65-120	
2-Chlorophenol	ug/L	50	31.5	63	36-120	
2-Methylnaphthalene	ug/L	50	33.4	67	25-98	N2
2-Methylphenol(o-Cresol)	ug/L	50	22.8	46	41-131	

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QUALITY CONTROL DATA

Project: Pelham M1 4/11
Pace Project No.: 7048020

LABORATORY CONTROL SAMPLE: 290816

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Nitroaniline	ug/L	50	41.5	83	55-115	N2
2-Nitrophenol	ug/L	50	33.8	68	45-167	
3&4-Methylphenol(m&p Cresol)	ug/L	50	25.3	51	43-119	
3,3'-Dichlorobenzidine	ug/L	50	31.9	64	8-213	
3-Nitroaniline	ug/L	50	37.4	75	51-123	N2
4,6-Dinitro-2-methylphenol	ug/L	50	44.3	89	53-130	
4-Bromophenylphenyl ether	ug/L	50	46.6	93	65-120	
4-Chloro-3-methylphenol	ug/L	50	38.6	77	41-128	
4-Chloroaniline	ug/L	50	30.3	61	55-102	N2
4-Chlorophenylphenyl ether	ug/L	50	41.8	84	38-145	
4-Nitroaniline	ug/L	50	41.0	82	63-116	N2
4-Nitrophenol	ug/L	50	17.2	34	13-129	
Acenaphthene	ug/L	50	39.0	78	60-132	
Acenaphthylene	ug/L	50	37.2	74	54-126	
Anthracene	ug/L	50	38.8	78	43-120	
Benzo(a)anthracene	ug/L	50	42.0	84	42-133	
Benzo(a)pyrene	ug/L	50	41.7	83	32-148	
Benzo(b)fluoranthene	ug/L	50	43.5	87	42-140	
Benzo(g,h,i)perylene	ug/L	50	43.4	87	10-195	
Benzo(k)fluoranthene	ug/L	50	40.6	81	25-146	
bis(2-Chloroethoxy)methane	ug/L	50	33.0	66	49-165	
bis(2-Chloroethyl) ether	ug/L	50	25.8	52	43-126	
bis(2-Ethylhexyl)phthalate	ug/L	50	37.5	75	29-137	
Butylbenzylphthalate	ug/L	50	36.7	73	10-140	
Carbazole	ug/L	50	39.4	79	49-116	
Chrysene	ug/L	50	41.8	84	44-140	
Di-n-butylphthalate	ug/L	50	38.8	78	8-120	
Di-n-octylphthalate	ug/L	50	37.9	76	19-132	
Dibenz(a,h)anthracene	ug/L	50	42.0	84	10-200	
Diethylphthalate	ug/L	50	46.2	92	10-120	
Dimethylphthalate	ug/L	50	44.9	90	10-120	
Fluoranthene	ug/L	50	42.0	84	43-121	
Fluorene	ug/L	50	40.6	81	70-120	
Hexachloro-1,3-butadiene	ug/L	50	33.8	68	38-120	
Hexachlorobenzene	ug/L	50	49.1	98	8-142	
Hexachlorocyclopentadiene	ug/L	50	23.9	48	13-119	CL
Hexachloroethane	ug/L	50	35.2	70	55-120	
Indeno(1,2,3-cd)pyrene	ug/L	50	43.2	86	10-151	
Isophorone	ug/L	50	35.9	72	47-180	
N-Nitroso-di-n-propylamine	ug/L	50	34.8	70	14-198	
N-Nitrosodiphenylamine	ug/L	50	45.4	91	27-135	
Naphthalene	ug/L	50	33.1	66	36-120	
Nitrobenzene	ug/L	50	32.6	65	54-158	
Pentachlorophenol	ug/L	50	43.2	86	38-152	IH
Phenanthrene	ug/L	50	40.8	82	65-120	
Phenol	ug/L	50	16.5	33	17-120	
Pyrene	ug/L	50	40.0	80	70-120	

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(631)694-3040

QUALITY CONTROL DATA

Project: Pelham M1 4/11
Pace Project No.: 7048020

LABORATORY CONTROL SAMPLE: 290816

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene-d4 (S)	%			56	16-110	
2,4,6-Tribromophenol (S)	%			89	10-123	
2-Chlorophenol-d4 (S)	%			63	33-110	
2-Fluorobiphenyl (S)	%			69	60-140	
2-Fluorophenol (S)	%			37	60-140	S0
Nitrobenzene-d5 (S)	%			64	35-114	
p-Terphenyl-d14 (S)	%			80	33-141	
Phenol-d5 (S)	%			25	10-110	

MATRIX SPIKE SAMPLE: 290860

Parameter	Units	7048020005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	<1.0	50	35.6	71	44-142	
2,2'-Oxybis(1-chloropropane)	ug/L	<1.0	50	19.6	39	36-166	
2,4,5-Trichlorophenol	ug/L	<1.0	50	45.4	91	41-121	
2,4,6-Trichlorophenol	ug/L	<1.0	50	41.6	83	37-144	
2,4-Dichlorophenol	ug/L	<1.0	50	39.0	78	39-135	
2,4-Dimethylphenol	ug/L	<5.0	50	6.8	14	32-120	M0
2,4-Dinitrophenol	ug/L	<5.0	50	48.9	98	10-191	
2,4-Dinitrotoluene	ug/L	<1.0	50	50.5	101	39-139	
2,6-Dinitrotoluene	ug/L	<1.0	50	46.0	92	50-158	
2-Chloronaphthalene	ug/L	<1.0	50	38.7	77	60-120	
2-Chlorophenol	ug/L	<1.0	50	32.7	65	22-134	
2-Methylnaphthalene	ug/L	<1.0	50	37.4	75	25-98	N2
2-Methylphenol(o-Cresol)	ug/L	<1.0	50	23.6	47	41-131	
2-Nitroaniline	ug/L	<1.0	50	22.8	46	55-115	M1,N2
2-Nitrophenol	ug/L	<1.0	50	37.7	75	29-182	
3&4-Methylphenol(m&p Cresol)	ug/L	14.6	50	37.5	46	43-119	
3,3'-Dichlorobenzidine	ug/L	<1.0	50	<1.0	0	10-262	M1
3-Nitroaniline	ug/L	<1.0	50	3.5	7	51-123	M1,N2
4,6-Dinitro-2-methylphenol	ug/L	<5.0	50	42.9	86	10-181	
4-Bromophenylphenyl ether	ug/L	<1.0	50	48.4	97	53-127	
4-Chloro-3-methylphenol	ug/L	<1.0	50	38.5	77	22-147	
4-Chloroaniline	ug/L	<1.0	50	9.0	18	55-102	M1,N2
4-Chlorophenylphenyl ether	ug/L	<1.0	50	47.0	94	25-158	
4-Nitroaniline	ug/L	<1.0	50	7.8	16	63-116	M1,N2
4-Nitrophenol	ug/L	<5.0	50	17.1	34	10-132	
Acenaphthene	ug/L	<1.0	50	43.9	88	47-145	
Acenaphthylene	ug/L	<1.0	50	41.3	83	33-145	
Anthracene	ug/L	<1.0	50	39.0	78	27-133	
Benzo(a)anthracene	ug/L	<1.0	50	47.9	96	33-143	
Benzo(a)pyrene	ug/L	<1.0	50	44.0	88	17-163	
Benzo(b)fluoranthene	ug/L	<1.0	50	59.1	118	24-159	
Benzo(g,h,i)perylene	ug/L	<1.0	50	29.5	59	10-219	
Benzo(k)fluoranthene	ug/L	<1.0	50	57.0	114	11-162	

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QUALITY CONTROL DATA

Project: Pelham M1 4/11
Pace Project No.: 7048020

MATRIX SPIKE SAMPLE: 290860

Parameter	Units	7048020005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
bis(2-Chloroethoxy)methane	ug/L	<1.0	50	41.2	82	33-184	
bis(2-Chloroethyl) ether	ug/L	<1.0	50	30.0	60	12-158	
bis(2-Ethylhexyl)phthalate	ug/L	<1.0	50	48.5	97	8-158	
Butylbenzylphthalate	ug/L	1.9	50	47.2	91	10-152	
Carbazole	ug/L	<1.0	50	40.3	81	49-116	
Chrysene	ug/L	<1.0	50	47.8	96	17-168	
Di-n-butylphthalate	ug/L	<1.0	50	40.2	80	1-120	
Di-n-octylphthalate	ug/L	<1.0	50	76.9	154	4-146	M1
Dibenz(a,h)anthracene	ug/L	<1.0	50	28.9	58	10-227	
Diethylphthalate	ug/L	<1.0	50	50.8	102	10-120	
Dimethylphthalate	ug/L	<1.0	50	49.0	98	10-120	
Fluoranthene	ug/L	<1.0	50	42.1	84	26-137	
Fluorene	ug/L	<1.0	50	46.9	94	59-121	
Hexachloro-1,3-butadiene	ug/L	<1.0	50	36.5	73	24-120	
Hexachlorobenzene	ug/L	<1.0	50	48.7	97	10-152	
Hexachlorocyclopentadiene	ug/L	<5.0	50	19.0	38	13-119	CL
Hexachloroethane	ug/L	<1.0	50	29.1	58	40-120	
Indeno(1,2,3-cd)pyrene	ug/L	<1.0	50	30.0	60	10-171	
Isophorone	ug/L	<1.0	50	31.5	63	21-196	
N-Nitroso-di-n-propylamine	ug/L	<1.0	50	29.2	58	10-230	
N-Nitrosodiphenylamine	ug/L	<1.0	50	47.1	94	27-135	
Naphthalene	ug/L	2.3	50	37.1	69	21-133	
Nitrobenzene	ug/L	<1.0	50	39.6	79	35-180	
Pentachlorophenol	ug/L	<5.0	50	63.7	127	14-176	IH
Phenanthrene	ug/L	<1.0	50	46.1	92	54-120	
Phenol	ug/L	<1.0	50	12.4	25	5-120	
Pyrene	ug/L	<1.0	50	50.9	102	52-120	
1,2-Dichlorobenzene-d4 (S)	%				50	16-110	
2,4,6-Tribromophenol (S)	%				98	10-123	
2-Chlorophenol-d4 (S)	%				63	33-110	
2-Fluorobiphenyl (S)	%				65	60-140	
2-Fluorophenol (S)	%				40	60-140	S0
Nitrobenzene-d5 (S)	%				52	35-114	
p-Terphenyl-d14 (S)	%				99	33-141	
Phenol-d5 (S)	%				23	10-110	

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QUALITY CONTROL DATA

Project: Pelham M1 4/11
Pace Project No.: 7048020

QC Batch: 64551 Analysis Method: EPA 1664A
QC Batch Method: EPA 1664A Analysis Description: 1664 HEM, Oil and Grease
Associated Lab Samples: 7048020001, 7048020002, 7048020003, 7048020004

METHOD BLANK: 296262 Matrix: Water
Associated Lab Samples: 7048020001, 7048020002, 7048020003, 7048020004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	<5.0	5.0	04/23/18 14:40	

LABORATORY CONTROL SAMPLE & LCSD: 296263 296264

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	40	37.5	37.6	94	94	78-114	0	20	

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QUALITY CONTROL DATA

Project: Pelham M1 4/11
Pace Project No.: 7048020

QC Batch: 63841 Analysis Method: SM22 2540D
QC Batch Method: SM22 2540D Analysis Description: 2540D Total Suspended Solids
Associated Lab Samples: 7048020001, 7048020002, 7048020003, 7048020004

METHOD BLANK: 293017 Matrix: Water
Associated Lab Samples: 7048020001, 7048020002, 7048020003, 7048020004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	<1.0	1.0	04/17/18 17:22	

LABORATORY CONTROL SAMPLE: 293018

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	200	186	93	85-115	

SAMPLE DUPLICATE: 293019

Parameter	Units	7048002001 Result	Dup Result	RPD	Qualifiers
Total Suspended Solids	mg/L	164	164	0	

SAMPLE DUPLICATE: 293020

Parameter	Units	7048130001 Result	Dup Result	RPD	Qualifiers
Total Suspended Solids	mg/L	23.0	26.0	12	

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QUALITY CONTROL DATA

Project: Pelham M1 4/11
Pace Project No.: 7048020

QC Batch: 63067
QC Batch Method: SM22 3500-Cr B
Analysis Method: SM22 3500-Cr B
Analysis Description: Chromium, Hexavalent by 3500
Associated Lab Samples: 7048020005

METHOD BLANK: 289591
Matrix: Water
Associated Lab Samples: 7048020005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chromium, Hexavalent	mg/L	<0.020	0.020	04/11/18 19:20	

LABORATORY CONTROL SAMPLE: 289592

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	mg/L	.2	0.21	104	85-115	

MATRIX SPIKE SAMPLE: 289593

Parameter	Units	7048020005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	mg/L	<0.020	.2	0.20	100	75-125	

SAMPLE DUPLICATE: 289594

Parameter	Units	7048020005 Result	Dup Result	RPD	Qualifiers
Chromium, Hexavalent	mg/L	<0.020	<0.020		

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QUALITY CONTROL DATA

Project: Pelham M1 4/11
Pace Project No.: 7048020

QC Batch: 63069 Analysis Method: SM22 4500-H+B
QC Batch Method: SM22 4500-H+B Analysis Description: 4500H+B pH
Associated Lab Samples: 7048020001, 7048020002, 7048020003, 7048020004

SAMPLE DUPLICATE: 289596

Parameter	Units	7047934001 Result	Dup Result	RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.7	7.8	0	H3,H6,N3

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QUALITY CONTROL DATA

Project: Pelham M1 4/11
Pace Project No.: 7048020

QC Batch: 63157 Analysis Method: SM22 5210B
QC Batch Method: SM22 5210B Analysis Description: 5210B cBOD, 5 day
Associated Lab Samples: 7048020005

METHOD BLANK: 289982 Matrix: Water
Associated Lab Samples: 7048020005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Carbonaceous BOD, 5 day	mg/L	<2.0	2.0	04/17/18 10:26	

LABORATORY CONTROL SAMPLE: 289983

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbonaceous BOD, 5 day	mg/L	198	181	92	84.5-115.4	

SAMPLE DUPLICATE: 289984

Parameter	Units	7048109001 Result	Dup Result	RPD	Qualifiers
Carbonaceous BOD, 5 day	mg/L	280	283	1	

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QUALITY CONTROL DATA

Project: Pelham M1 4/11
Pace Project No.: 7048020

QC Batch: 64667
QC Batch Method: EPA 351.2
Analysis Method: EPA 351.2
Analysis Description: 351.2 TKN
Associated Lab Samples: 7048020005

METHOD BLANK: 296739 Matrix: Water
Associated Lab Samples: 7048020005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	<0.10	0.10	04/24/18 12:51	

LABORATORY CONTROL SAMPLE: 296740

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	4	4.3	107	90-110	

MATRIX SPIKE SAMPLE: 296741

Parameter	Units	7047903001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	1.0	4	4.4	86	90-110	M1

MATRIX SPIKE SAMPLE: 296743

Parameter	Units	7048052001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	1.5	4	3.7	53	90-110	M1

SAMPLE DUPLICATE: 296742

Parameter	Units	7047903001 Result	Dup Result	RPD	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	1.0	0.95	6	

SAMPLE DUPLICATE: 296744

Parameter	Units	7048052001 Result	Dup Result	RPD	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	1.5	1.5	1	

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REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: Pelham M1 4/11
Pace Project No.: 7048020

QC Batch: 63077
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrite, Unpres.
Associated Lab Samples: 7048020005

METHOD BLANK: 289651 Matrix: Water
Associated Lab Samples: 7048020005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	<0.050	0.050	04/11/18 19:32	

LABORATORY CONTROL SAMPLE: 289652

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	1	1.0	103	90-110	

MATRIX SPIKE SAMPLE: 289653

Parameter	Units	7047902001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	.5	0.50	101	90-110	

MATRIX SPIKE SAMPLE: 289655

Parameter	Units	7048030001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	.5	0.50	101	90-110	

SAMPLE DUPLICATE: 289654

Parameter	Units	7047902001 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

SAMPLE DUPLICATE: 289656

Parameter	Units	7048030001 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

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QUALITY CONTROL DATA

Project: Pelham M1 4/11
Pace Project No.: 7048020

QC Batch: 63460
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, preserved
Associated Lab Samples: 7048020005

METHOD BLANK: 291366 Matrix: Water
Associated Lab Samples: 7048020005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	0.050	04/13/18 21:05	

LABORATORY CONTROL SAMPLE: 291367

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	1	1.1	108	90-110	

MATRIX SPIKE SAMPLE: 291368

Parameter	Units	7047903002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	0.10	.5	0.57	94	90-110	

MATRIX SPIKE SAMPLE: 291370

Parameter	Units	7048324001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	.5	0.74	138	90-110	M1

SAMPLE DUPLICATE: 291369

Parameter	Units	7047903002 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	0.10	0.099	1	

SAMPLE DUPLICATE: 291371

Parameter	Units	7048324001 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	<0.050		

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QUALITY CONTROL DATA

Project: Pelham M1 4/11
Pace Project No.: 7048020

QC Batch: 64669 Analysis Method: SM22 4500-CN-E
QC Batch Method: SM20/22 4500-CN-C Analysis Description: 4500 CNE Cyanide, Total
Associated Lab Samples: 7048020006

METHOD BLANK: 296751 Matrix: Water
Associated Lab Samples: 7048020006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	ug/L	<10.0	10.0	04/24/18 13:13	

LABORATORY CONTROL SAMPLE: 296752

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	ug/L	75	65.6	87	85-115	

MATRIX SPIKE SAMPLE: 296753

Parameter	Units	7048265003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cyanide	ug/L	<10.0	100	107	107	75-125	

SAMPLE DUPLICATE: 296754

Parameter	Units	7048265003 Result	Dup Result	RPD	Qualifiers
Cyanide	ug/L	<10.0	<10.0		

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QUALITY CONTROL DATA

Project: Pelham M1 4/11
Pace Project No.: 7048020

QC Batch: 63747 Analysis Method: SM22 4500-Cl-E
QC Batch Method: SM22 4500-Cl-E Analysis Description: 4500 Chloride
Associated Lab Samples: 7048020005

METHOD BLANK: 292607 Matrix: Water
Associated Lab Samples: 7048020005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<2.0	2.0	04/17/18 13:59	

LABORATORY CONTROL SAMPLE: 292608

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	53.6	107	90-110	

MATRIX SPIKE SAMPLE: 292609

Parameter	Units	7048265003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	27.8	25	54.5	107	80-120	

SAMPLE DUPLICATE: 292610

Parameter	Units	7048265003 Result	Dup Result	RPD	Qualifiers
Chloride	mg/L	27.8	28.1	1	

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Melville, NY 11747
(631)694-3040

QUALIFIERS

Project: Pelham M1 4/11
Pace Project No.: 7048020

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
H3	Sample was received or analysis requested beyond the recognized method holding time.
H6	Analysis initiated outside of the 15 minute EPA recommended holding time.
IH	This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.
IL	This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
N2	The lab does not hold NELAC/TNI accreditation for this parameter.
N3	Accreditation is not offered by the relevant laboratory accrediting body for this parameter.
S0	Surrogate recovery outside laboratory control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Pelham M1 4/11
Pace Project No.: 7048020

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7048020005	M1-24 HOUR FIELD COMPOSITE	EPA 608.3	63700	EPA 608.3	63714
7048020005	M1-24 HOUR FIELD COMPOSITE	EPA 200.7	63364	EPA 200.7	63376
7048020005	M1-24 HOUR FIELD COMPOSITE	EPA 245.1	63371	EPA 245.1	63384
7048020005	M1-24 HOUR FIELD COMPOSITE	EPA 625.1 SF	63320	EPA 625.1	63474
7048020006	M1-GRAB COMPOSITE	EPA 624.1	63743		
7048020001	M1-7:00-GRAB#1	EPA 1664A	64551		
7048020002	M1-8:00-GRAB#2	EPA 1664A	64551		
7048020003	M1-9:00-GRAB #3	EPA 1664A	64551		
7048020004	M1-10:00-GRAB #4	EPA 1664A	64551		
7048020001	M1-7:00-GRAB#1	SM22 2540D	63841		
7048020002	M1-8:00-GRAB#2	SM22 2540D	63841		
7048020003	M1-9:00-GRAB #3	SM22 2540D	63841		
7048020004	M1-10:00-GRAB #4	SM22 2540D	63841		
7048020005	M1-24 HOUR FIELD COMPOSITE	SM22 3500-Cr B	63067		
7048020001	M1-7:00-GRAB#1	SM22 4500-H+B	63069		
7048020002	M1-8:00-GRAB#2	SM22 4500-H+B	63069		
7048020003	M1-9:00-GRAB #3	SM22 4500-H+B	63069		
7048020004	M1-10:00-GRAB #4	SM22 4500-H+B	63069		
7048020005	M1-24 HOUR FIELD COMPOSITE	SM22 5210B	63157	SM22 5210B	63924
7048020005	M1-24 HOUR FIELD COMPOSITE	SM22 4500-N	64786		
7048020005	M1-24 HOUR FIELD COMPOSITE	EPA 351.2	64667	EPA 351.2	64721
7048020005	M1-24 HOUR FIELD COMPOSITE	EPA 353.2	63460		
7048020005	M1-24 HOUR FIELD COMPOSITE	EPA 353.2	63077		
7048020006	M1-GRAB COMPOSITE	SM20/22 4500-CN-C	64669	SM22 4500-CN-E	64753
7048020005	M1-24 HOUR FIELD COMPOSITE	SM22 4500-Cl-E	63747		
7048020006	M1-GRAB COMPOSITE	SM22 4500-CN-G	64768	SM22 4500-CN-E	64777

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575 Broad Hollow Road
Melville, NY 11747

CHAIN OF CUST

WO#:7048020

PELHAM BAY LANDFILL

M1

7047997

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: Andre Dziegelewski	
Source: **Pelham Bay Landfill**	
Job No.:	

Laboratory Use Only
Samples were:
1. Shipped____ or Hand Delivered X Airbill#_____
2. Ambient or (Chilled), **Temperature** 2.6
3. Received in good condition (Yes) or No
4. Properly preserved (Yes) or No
• Discrepancies between labels and COC? Yes or (No)

MATRIX (Water, Soil, etc.)	COLLECTED DATE	COLLECTED TIME	SAMPLE IDENTIFICATION	Total Number of Containers: 27	VOCs (Grabs composited at Lab) 40 mL VIALS	Cyanide (Grabs composited at Lab) 60 mL Plastic [NaOH]	TSS, pH 500 mL Plastic	Oil & Grease 1 Liter Amber Glass [HCl]	Non Metals 1 Liter Plastic	Metals 250 mL Plastic [HNO_3]	Total N, TKN 250 mL Plastic [H_2SO_4]	SVOC (625) and PCB (608) 1 Liter Amber Glass	Field Ph	Lab. ID #	REMARKS
Water	4/11/18	7:00	M1 - 7:00 - Grab #1	5	2	1	1	1							
Water	4/11/18	8:00	M1 - 8:00 - Grab #2	5	2	1	1	1							
Water	4/11/18	9:00	M1 - 9:00 - Grab #3	5	2	1	1	1							
Water	4/11/18	10:00	M1 - 10:00 - Grab #4	5	2	1	1	1							
Start:	4/10/18	9:00	**M1 - 24 Hour Field Composite**												
End:	4/11/18	10:00		7					1	1	1	4			

Relinquished by: (Signature)	Date: 4/11/18	SEAL INTACT? YES NO NA	Received by: (Signature)	Relinquished by: (Signature)	Date:	SEAL INTACT? YES NO NA	Received by: (Signature)
Representing: STRATIS	Time: 10:55		Representing: PACE	Representing:	Time:		Representing:
Relinquished by: (Signature)	Date:	SEAL INTACT? YES NO NA	Received by: (Signature)	Relinquished by: (Signature)	Date:	SEAL INTACT? YES NO NA	Received by: (Signature)
Representing:	Time:		Representing:	Representing:	Time:		Representing:

T=2.6

Pace Analytical

Sample Condition Upon Receipt

WO#: 7048020
PM: JSA Due Date: 04/25/18
CLIENT: STRATIS

Client Name: Stratis

Project

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No Seals intact: ☐ Yes ☐ No

Temperature Blank Present: ☐ Yes ☑ No

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☑ None ☐ Other

Type of Ice: (Wet) Blue None

Thermometer Used: TH09 Correction Factor: 0.0

☐ Samples on ice, cooling process has begun

Cooler Temperature (°C): 2.6 Cooler Temperature Corrected (°C): 2.6

Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☒ N/A, water sample)

Date and Initials of person examining contents: 4/11/18 JP

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ YES ☐ NO

Did samples orignate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☑ No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	☑Yes	☐No		1.
Chain of Custody Filled Out:	☑Yes	☐No		2.
Chain of Custody Relinquished:	☑Yes	☐No		3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☑Yes	☐No		5.
Short Hold Time Analysis (<72hr):	☑Yes	☐No		6.
Rush Turn Around Time Requested:	☐Yes	☑No		7.
Sufficient Volume: (Triple volume provided for MS/MSD)	☑Yes	☐No		8.
Correct Containers Used:	☑Yes	☐No		9.
-Pace Containers Used:	☑Yes	☐No		
Containers Intact:	☑Yes	☐No		10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☑Yes	☐No		12.
-Includes date/time/ID/Analysis Matrix SL (WT) OIL				
All containers needing preservation have been checked	☑Yes	☐No	☐N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot # HC6135665				
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NAOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	☑Yes	☐No	☐N/A	Sample #
				Initial when completed: / Lot # of added preservative: / Date/Time preservative added
Samples checked for dechlorination:	☐Yes	☐No	☑N/A	14.
KI starch test strips Lot #				
Residual chlorine strips Lot #				Positive for Res. Chlorine? Y N
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A	15.
Trip Blank Present:	☐Yes	☐No	☐N/A	16.
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A	
Pace Trip Blank Lot # (if applicable):				

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

* PM (Project Manager) review is documented electronically in LIMS.

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

May 22, 2018

Vincent G. Pelusio
Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566

RE: Project: Pelham M1-5/8
Pace Project No.: 7050985

Dear Vincent Pelusio:
Enclosed are the analytical results for sample(s) received by the laboratory on May 08, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Jennifer Aracri
jennifer.aracri@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: Emile Mclean, Stratis Contracting Corp.
Keith Robinson, Stratis Contracting Corp.

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Melville, NY 11747
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CERTIFICATIONS

Project: Pelham M1-5/8
Pace Project No.: 7050985

Long Island Certification IDs

575 Broad Hollow Rd, Melville, NY 11747
New York Certification #: 10478 Primary Accrediting Body
New Jersey Certification #: NY158
Pennsylvania Certification #: 68-00350
Connecticut Certification #: PH-0435
Maryland Certification #: 208
Rhode Island Certification #: LAO00340
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987

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ANALYTICAL RESULTS

Project: Pelham M1-5/8
Pace Project No.: 7050985

Sample: M1-7:00-GRAB #1 **Lab ID: 7050985001** Collected: 05/08/18 07:00 Received: 05/08/18 18:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	**<5.0**	mg/L	5.0	1		05/17/18 13:41		
2540D Total Suspended Solids	Analytical Method: SM22 2540D							
Total Suspended Solids	**<10.0**	mg/L	10.0	1		05/11/18 17:05		
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B							
pH	**6.9**	Std. Units	0.10	1		05/09/18 00:04		H3,H6
Temperature, Water (C)	**23.8**	deg C	0.10	1		05/09/18 00:04		H3,H6

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ANALYTICAL RESULTS

Project: Pelham M1-5/8
Pace Project No.: 7050985

Sample: M1-8:00-GRAB #2 **Lab ID: 7050985002** Collected: 05/08/18 08:00 Received: 05/08/18 18:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	**<5.0**	mg/L	5.0	1		05/17/18 13:41		
2540D Total Suspended Solids	Analytical Method: SM22 2540D							
Total Suspended Solids	**<10.0**	mg/L	10.0	1		05/11/18 17:05		
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B							
pH	**6.9**	Std. Units	0.10	1		05/09/18 00:04		H3,H6
Temperature, Water (C)	**23.8**	deg C	0.10	1		05/09/18 00:04		H3,H6

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ANALYTICAL RESULTS

Project: Pelham M1-5/8
Pace Project No.: 7050985

Sample: M1-9:00-GRAB #3 **Lab ID: 7050985003** Collected: 05/08/18 09:00 Received: 05/08/18 18:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	**<5.0**	mg/L	5.0	1		05/17/18 13:41		
2540D Total Suspended Solids	Analytical Method: SM22 2540D							
Total Suspended Solids	**<10.0**	mg/L	10.0	1		05/11/18 17:05		
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B							
pH	**6.8**	Std. Units	0.10	1		05/09/18 00:04		H3,H6
Temperature, Water (C)	**23.8**	deg C	0.10	1		05/09/18 00:04		H3,H6

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ANALYTICAL RESULTS

Project: Pelham M1-5/8
Pace Project No.: 7050985

Sample: M1-10:00-GRAB #4 **Lab ID: 7050985004** Collected: 05/08/18 10:00 Received: 05/08/18 18:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	**<5.0**	mg/L	5.0	1		05/18/18 12:56		
2540D Total Suspended Solids	Analytical Method: SM22 2540D							
Total Suspended Solids	**<10.0**	mg/L	10.0	1		05/11/18 17:05		
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B							
pH	**6.9**	Std. Units	0.10	1		05/09/18 00:04		H3,H6
Temperature, Water (C)	**23.8**	deg C	0.10	1		05/09/18 00:04		H3,H6

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(631)694-3040

ANALYTICAL RESULTS

Project: Pelham M1-5/8
Pace Project No.: 7050985

Sample: M1-24HR FIELD COMPOSITE **Lab ID: 7050985005** Collected: 05/08/18 10:00 Received: 05/08/18 18:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
608.3 GCSV PCB LOW	Analytical Method: EPA 608.3 Preparation Method: EPA 608.3							
PCB-1016 (Aroclor 1016)	**<0.065**	ug/L	0.065	1	05/11/18 09:35	05/11/18 18:26	12674-11-2	
PCB-1221 (Aroclor 1221)	**<0.065**	ug/L	0.065	1	05/11/18 09:35	05/11/18 18:26	11104-28-2	
PCB-1232 (Aroclor 1232)	**<0.065**	ug/L	0.065	1	05/11/18 09:35	05/11/18 18:26	11141-16-5	
PCB-1242 (Aroclor 1242)	**0.13**	ug/L	0.065	1	05/11/18 09:35	05/11/18 18:26	53469-21-9	
PCB-1248 (Aroclor 1248)	**<0.065**	ug/L	0.065	1	05/11/18 09:35	05/11/18 18:26	12672-29-6	
PCB-1254 (Aroclor 1254)	**<0.065**	ug/L	0.065	1	05/11/18 09:35	05/11/18 18:26	11097-69-1	
PCB-1260 (Aroclor 1260)	**<0.065**	ug/L	0.065	1	05/11/18 09:35	05/11/18 18:26	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	48	%	10-149	1	05/11/18 09:35	05/11/18 18:26	877-09-8	
Decachlorobiphenyl (S)	50	%	10-149	1	05/11/18 09:35	05/11/18 18:26	2051-24-3	
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Cadmium	**<2.5**	ug/L	2.5	1	05/11/18 09:34	05/14/18 23:43	7440-43-9	
Chromium	**<10.0**	ug/L	10.0	1	05/11/18 09:34	05/14/18 23:43	7440-47-3	
Copper	**<25.0**	ug/L	25.0	1	05/11/18 09:34	05/14/18 23:43	7440-50-8	
Lead	**<5.0**	ug/L	5.0	1	05/11/18 09:34	05/14/18 23:43	7439-92-1	
Molybdenum	**<20.0**	ug/L	20.0	1	05/11/18 09:34	05/14/18 23:43	7439-98-7	
Nickel	**<40.0**	ug/L	40.0	1	05/11/18 09:34	05/14/18 23:43	7440-02-0	
Silver	**<10.0**	ug/L	10.0	1	05/11/18 09:34	05/14/18 23:43	7440-22-4	
Zinc	**<20.0**	ug/L	20.0	1	05/11/18 09:34	05/14/18 23:43	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	**<0.20**	ug/L	0.20	1	05/11/18 10:42	05/14/18 11:44	7439-97-6	
625.1 MSSV	Analytical Method: EPA 625.1 Preparation Method: EPA 625.1 SF							
Acenaphthene	**<1.0**	ug/L	1.0	1	05/10/18 12:36	05/11/18 22:22	83-32-9	
Acenaphthylene	**<1.0**	ug/L	1.0	1	05/10/18 12:36	05/11/18 22:22	208-96-8	
Anthracene	**<1.0**	ug/L	1.0	1	05/10/18 12:36	05/11/18 22:22	120-12-7	
Benzo(a)anthracene	**<1.0**	ug/L	1.0	1	05/10/18 12:36	05/11/18 22:22	56-55-3	
Benzo(a)pyrene	**<1.0**	ug/L	1.0	1	05/10/18 12:36	05/11/18 22:22	50-32-8	
Benzo(b)fluoranthene	**<1.0**	ug/L	1.0	1	05/10/18 12:36	05/11/18 22:22	205-99-2	
Benzo(g,h,i)perylene	**<1.0**	ug/L	1.0	1	05/10/18 12:36	05/11/18 22:22	191-24-2	
Benzo(k)fluoranthene	**<1.0**	ug/L	1.0	1	05/10/18 12:36	05/11/18 22:22	207-08-9	
4-Bromophenylphenyl ether	**<1.0**	ug/L	1.0	1	05/10/18 12:36	05/11/18 22:22	101-55-3	
Butylbenzylphthalate	**<1.0**	ug/L	1.0	1	05/10/18 12:36	05/11/18 22:22	85-68-7	
Carbazole	**<1.0**	ug/L	1.0	1	05/10/18 12:36	05/11/18 22:22	86-74-8	
4-Chloro-3-methylphenol	**<1.0**	ug/L	1.0	1	05/10/18 12:36	05/11/18 22:22	59-50-7	
4-Chloroaniline	**<1.0**	ug/L	1.0	1	05/10/18 12:36	05/11/18 22:22	106-47-8	N2
bis(2-Chloroethoxy)methane	**<1.0**	ug/L	1.0	1	05/10/18 12:36	05/11/18 22:22	111-91-1	
bis(2-Chloroethyl) ether	**<1.0**	ug/L	1.0	1	05/10/18 12:36	05/11/18 22:22	111-44-4	
2-Chloronaphthalene	**<1.0**	ug/L	1.0	1	05/10/18 12:36	05/11/18 22:22	91-58-7	
2-Chlorophenol	**<1.0**	ug/L	1.0	1	05/10/18 12:36	05/11/18 22:22	95-57-8	
4-Chlorophenylphenyl ether	**<1.0**	ug/L	1.0	1	05/10/18 12:36	05/11/18 22:22	7005-72-3	
Chrysene	**<1.0**	ug/L	1.0	1	05/10/18 12:36	05/11/18 22:22	218-01-9	
Dibenz(a,h)anthracene	**<1.0**	ug/L	1.0	1	05/10/18 12:36	05/11/18 22:22	53-70-3	
3,3'-Dichlorobenzidine	**<1.0**	ug/L	1.0	1	05/10/18 12:36	05/11/18 22:22	91-94-1	

REPORT OF LABORATORY ANALYSIS

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: Pelham M1-5/8
Pace Project No.: 7050985

Sample: M1-24HR FIELD COMPOSITE **Lab ID: 7050985005** Collected: 05/08/18 10:00 Received: 05/08/18 18:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625.1 MSSV	Analytical Method: EPA 625.1 Preparation Method: EPA 625.1 SF							
2,4-Dichlorophenol	**<1.0**	ug/L	1.0	1	05/10/18 12:36	05/11/18 22:22	120-83-2	
Diethylphthalate	**<1.0**	ug/L	1.0	1	05/10/18 12:36	05/11/18 22:22	84-66-2	
2,4-Dimethylphenol	**<5.0**	ug/L	5.0	1	05/10/18 12:36	05/11/18 22:22	105-67-9	
Dimethylphthalate	**<1.0**	ug/L	1.0	1	05/10/18 12:36	05/11/18 22:22	131-11-3	
Di-n-butylphthalate	**<1.0**	ug/L	1.0	1	05/10/18 12:36	05/11/18 22:22	84-74-2	
4,6-Dinitro-2-methylphenol	**<5.0**	ug/L	5.0	1	05/10/18 12:36	05/11/18 22:22	534-52-1	
2,4-Dinitrophenol	**<5.0**	ug/L	5.0	1	05/10/18 12:36	05/11/18 22:22	51-28-5	
2,4-Dinitrotoluene	**<1.0**	ug/L	1.0	1	05/10/18 12:36	05/11/18 22:22	121-14-2	
2,6-Dinitrotoluene	**<1.0**	ug/L	1.0	1	05/10/18 12:36	05/11/18 22:22	606-20-2	
Di-n-octylphthalate	**<1.0**	ug/L	1.0	1	05/10/18 12:36	05/11/18 22:22	117-84-0	
bis(2-Ethylhexyl)phthalate	**<1.0**	ug/L	1.0	1	05/10/18 12:36	05/11/18 22:22	117-81-7	
Fluoranthene	**<1.0**	ug/L	1.0	1	05/10/18 12:36	05/11/18 22:22	206-44-0	
Fluorene	**<1.0**	ug/L	1.0	1	05/10/18 12:36	05/11/18 22:22	86-73-7	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1	05/10/18 12:36	05/11/18 22:22	87-68-3	
Hexachlorobenzene	**<1.0**	ug/L	1.0	1	05/10/18 12:36	05/11/18 22:22	118-74-1	
Hexachlorocyclopentadiene	**<5.0**	ug/L	5.0	1	05/10/18 12:36	05/11/18 22:22	77-47-4	
Hexachloroethane	**<1.0**	ug/L	1.0	1	05/10/18 12:36	05/11/18 22:22	67-72-1	
Indeno(1,2,3-cd)pyrene	**<1.0**	ug/L	1.0	1	05/10/18 12:36	05/11/18 22:22	193-39-5	
Isophorone	**<1.0**	ug/L	1.0	1	05/10/18 12:36	05/11/18 22:22	78-59-1	
2-Methylnaphthalene	**<1.0**	ug/L	1.0	1	05/10/18 12:36	05/11/18 22:22	91-57-6	N2
2-Methylphenol(o-Cresol)	**2.1**	ug/L	1.0	1	05/10/18 12:36	05/11/18 22:22	95-48-7	
3&4-Methylphenol(m&p Cresol)	**1.9**	ug/L	1.0	1	05/10/18 12:36	05/11/18 22:22		
Naphthalene	**5.3**	ug/L	1.0	1	05/10/18 12:36	05/11/18 22:22	91-20-3	
2-Nitroaniline	**<1.0**	ug/L	1.0	1	05/10/18 12:36	05/11/18 22:22	88-74-4	N2
3-Nitroaniline	**<1.0**	ug/L	1.0	1	05/10/18 12:36	05/11/18 22:22	99-09-2	N2
4-Nitroaniline	**<1.0**	ug/L	1.0	1	05/10/18 12:36	05/11/18 22:22	100-01-6	N2
Nitrobenzene	**<1.0**	ug/L	1.0	1	05/10/18 12:36	05/11/18 22:22	98-95-3	
2-Nitrophenol	**<1.0**	ug/L	1.0	1	05/10/18 12:36	05/11/18 22:22	88-75-5	
4-Nitrophenol	**<5.0**	ug/L	5.0	1	05/10/18 12:36	05/11/18 22:22	100-02-7	
N-Nitroso-di-n-propylamine	**<1.0**	ug/L	1.0	1	05/10/18 12:36	05/11/18 22:22	621-64-7	
N-Nitrosodiphenylamine	**<1.0**	ug/L	1.0	1	05/10/18 12:36	05/11/18 22:22	86-30-6	
2,2'-Oxybis(1-chloropropane)	**<1.0**	ug/L	1.0	1	05/10/18 12:36	05/11/18 22:22	108-60-1	
Pentachlorophenol	**<5.0**	ug/L	5.0	1	05/10/18 12:36	05/11/18 22:22	87-86-5	
Phenanthrene	**<1.0**	ug/L	1.0	1	05/10/18 12:36	05/11/18 22:22	85-01-8	
Phenol	**<1.0**	ug/L	1.0	1	05/10/18 12:36	05/11/18 22:22	108-95-2	
Pyrene	**<1.0**	ug/L	1.0	1	05/10/18 12:36	05/11/18 22:22	129-00-0	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1	05/10/18 12:36	05/11/18 22:22	120-82-1	
2,4,5-Trichlorophenol	**<1.0**	ug/L	1.0	1	05/10/18 12:36	05/11/18 22:22	95-95-4	
2,4,6-Trichlorophenol	**<1.0**	ug/L	1.0	1	05/10/18 12:36	05/11/18 22:22	88-06-2	
Surrogates								
2-Fluorophenol (S)	25	%	60-140	1	05/10/18 12:36	05/11/18 22:22	367-12-4	S0
Phenol-d5 (S)	17	%	10-110	1	05/10/18 12:36	05/11/18 22:22	4165-62-2	
Nitrobenzene-d5 (S)	61	%	35-114	1	05/10/18 12:36	05/11/18 22:22	4165-60-0	
2-Fluorobiphenyl (S)	51	%	60-140	1	05/10/18 12:36	05/11/18 22:22	321-60-8	S0
2,4,6-Tribromophenol (S)	76	%	10-123	1	05/10/18 12:36	05/11/18 22:22	118-79-6	
p-Terphenyl-d14 (S)	60	%	33-141	1	05/10/18 12:36	05/11/18 22:22	1718-51-0	

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ANALYTICAL RESULTS

Project: Pelham M1-5/8
Pace Project No.: 7050985

Sample: M1-24HR FIELD COMPOSITE **Lab ID: 7050985005** Collected: 05/08/18 10:00 Received: 05/08/18 18:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625.1 MSSV	Analytical Method: EPA 625.1 Preparation Method: EPA 625.1 SF							
Surrogates								
1,2-Dichlorobenzene-d4 (S)	39	%	16-110	1	05/10/18 12:36	05/11/18 22:22	2199-69-1	
2-Chlorophenol-d4 (S)	12	%	33-110	1	05/10/18 12:36	05/11/18 22:22	93951-73-6	S0
Chromium, Hexavalent	Analytical Method: SM22 3500-Cr B							
Chromium, Hexavalent	**<0.020**	mg/L	0.020	1		05/08/18 22:54	18540-29-9	
5210B cBOD, 5 day	Analytical Method: SM22 5210B Preparation Method: SM22 5210B							
Carbonaceous BOD, 5 day	**5.7**	mg/L	4.0	2	05/09/18 13:06	05/14/18 11:27		
Total Nitrogen Calculation	Analytical Method: SM22 4500-N							
Total Nitrogen	**76.3**	mg/L	0.10	1		05/22/18 14:05		
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	**75.9**	mg/L	5.0	50	05/22/18 06:42	05/22/18 13:41	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrate-Nitrite (as N)	**0.37**	mg/L	0.050	1		05/08/18 23:54	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**<0.050**	mg/L	0.050	1		05/08/18 20:31	14797-65-0	
4500 Chloride	Analytical Method: SM22 4500-Cl-E							
Chloride	**<40.0**	mg/L	40.0	20		05/11/18 11:02	16887-00-6	

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ANALYTICAL RESULTS

Project: Pelham M1-5/8
Pace Project No.: 7050985

Sample: M1-GRAB COMPOSITE **Lab ID: 7050985006** Collected: 05/08/18 10:00 Received: 05/08/18 18:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624.1 Volatile Organics	Analytical Method: EPA 624.1							
Acetone	**30.9**	ug/L	5.0	1		05/09/18 19:51	67-64-1	CH
Benzene	**<1.0**	ug/L	1.0	1		05/09/18 19:51	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		05/09/18 19:51	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		05/09/18 19:51	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		05/09/18 19:51	74-83-9	
2-Butanone (MEK)	**9.2**	ug/L	5.0	1		05/09/18 19:51	78-93-3	N2
Carbon disulfide	**<1.0**	ug/L	1.0	1		05/09/18 19:51	75-15-0	N2
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		05/09/18 19:51	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		05/09/18 19:51	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		05/09/18 19:51	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		05/09/18 19:51	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		05/09/18 19:51	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		05/09/18 19:51	124-48-1	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		05/09/18 19:51	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		05/09/18 19:51	541-73-1	
1,4-Dichlorobenzene	**2.7**	ug/L	1.0	1		05/09/18 19:51	106-46-7	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		05/09/18 19:51	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		05/09/18 19:51	107-06-2	
1,2-Dichloroethene (Total)	**<1.0**	ug/L	1.0	1		05/09/18 19:51	540-59-0	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		05/09/18 19:51	75-35-4	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		05/09/18 19:51	78-87-5	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		05/09/18 19:51	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		05/09/18 19:51	10061-02-6	
Ethylbenzene	**<1.0**	ug/L	1.0	1		05/09/18 19:51	100-41-4	
2-Hexanone	**<5.0**	ug/L	5.0	1		05/09/18 19:51	591-78-6	N2
Methylene Chloride	**<1.0**	ug/L	1.0	1		05/09/18 19:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		05/09/18 19:51	108-10-1	N2
Methyl-tert-butyl ether	**<1.0**	ug/L	1.0	1		05/09/18 19:51	1634-04-4	
Styrene	**<1.0**	ug/L	1.0	1		05/09/18 19:51	100-42-5	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		05/09/18 19:51	79-34-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		05/09/18 19:51	127-18-4	
Toluene	**1.3**	ug/L	1.0	1		05/09/18 19:51	108-88-3	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		05/09/18 19:51	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		05/09/18 19:51	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	1		05/09/18 19:51	79-01-6	
Vinyl chloride	**<1.0**	ug/L	1.0	1		05/09/18 19:51	75-01-4	
Xylene (Total)	**<1.0**	ug/L	1.0	1		05/09/18 19:51	1330-20-7	
m&p-Xylene	**<1.0**	ug/L	1.0	1		05/09/18 19:51	179601-23-1	
o-Xylene	**<1.0**	ug/L	1.0	1		05/09/18 19:51	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	97	%	79-124	1		05/09/18 19:51	460-00-4	
Toluene-d8 (S)	100	%	69-127	1		05/09/18 19:51	2037-26-5	
1,2-Dichloroethane-d4 (S)	95	%	68-153	1		05/09/18 19:51	17060-07-0	
Preservation pH	**7.0**			1		05/09/18 19:51		
SM 4500 CNE Cyanide, Total	Analytical Method: SM22 4500-CN-E Preparation Method: SM20/22 4500-CN-C							
Cyanide	**<10.0**	ug/L	10.0	1	05/22/18 09:37	05/22/18 13:39	57-12-5	

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ANALYTICAL RESULTS

Project: Pelham M1-5/8
Pace Project No.: 7050985

Sample: M1-GRAB COMPOSITE **Lab ID: 7050985006** Collected: 05/08/18 10:00 Received: 05/08/18 18:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500CNG Cyanide, Amenable	Analytical Method: SM22 4500-CN-E Preparation Method: SM22 4500-CN-G							
Amenable Cyanide	**<10.0**	ug/L	10.0	1	05/22/18 09:37	05/22/18 13:41	57-12-5	

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QUALITY CONTROL DATA

Project: Pelham M1-5/8
Pace Project No.: 7050985

QC Batch: 67134
QC Batch Method: EPA 245.1
Analysis Method: EPA 245.1
Analysis Description: 245.1 Mercury
Associated Lab Samples: 7050985005

METHOD BLANK: 307689 Matrix: Water
Associated Lab Samples: 7050985005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.20	0.20	05/14/18 11:15	

LABORATORY CONTROL SAMPLE: 307690

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	1	1.1	108	85-115	

MATRIX SPIKE SAMPLE: 307691

Parameter	Units	7051274001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	4.0	1	4.7	69	70-130	M1

SAMPLE DUPLICATE: 307692

Parameter	Units	7051274001 Result	Dup Result	RPD	Qualifiers
Mercury	ug/L	4.0	3.9	2	

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QUALITY CONTROL DATA

Project: Pelham M1-5/8
Pace Project No.: 7050985

QC Batch: 67130
QC Batch Method: EPA 200.7
Analysis Method: EPA 200.7
Analysis Description: 200.7 Metals, Total
Associated Lab Samples: 7050985005

METHOD BLANK: 307668
Matrix: Water
Associated Lab Samples: 7050985005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cadmium	ug/L	<2.5	2.5	05/14/18 13:47	
Chromium	ug/L	<10.0	10.0	05/14/18 13:47	
Copper	ug/L	<25.0	25.0	05/14/18 13:47	
Lead	ug/L	<5.0	5.0	05/14/18 13:47	
Molybdenum	ug/L	<20.0	20.0	05/14/18 13:47	
Nickel	ug/L	<40.0	40.0	05/14/18 13:47	
Silver	ug/L	<10.0	10.0	05/14/18 13:47	
Zinc	ug/L	<20.0	20.0	05/14/18 13:47	

LABORATORY CONTROL SAMPLE: 307669

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cadmium	ug/L	50	50.4	101	85-115	
Chromium	ug/L	250	250	100	85-115	
Copper	ug/L	250	250	100	85-115	
Lead	ug/L	500	505	101	85-115	
Molybdenum	ug/L	500	496	99	85-115	
Nickel	ug/L	250	250	100	85-115	
Silver	ug/L	250	248	99	85-115	
Zinc	ug/L	1000	1010	101	85-115	

MATRIX SPIKE SAMPLE: 307673

Parameter	Units	7051274002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cadmium	ug/L	19.1	50	59.5	81	70-130	
Chromium	ug/L	72.7	250	271	79	70-130	
Copper	ug/L	1950	250	2150	78	70-130	
Lead	ug/L	5.6	500	394	78	70-130	
Molybdenum	ug/L	<200	500	365	71	70-130	
Nickel	ug/L	78700	250	79300	240	70-130	M6
Silver	ug/L	<10.0	250	194	77	70-130	
Zinc	ug/L	92500	1000	93400	90	70-130	

SAMPLE DUPLICATE: 307670

Parameter	Units	7051274001 Result	Dup Result	RPD	Qualifiers
Cadmium	ug/L	<2.5	<2.5		

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QUALITY CONTROL DATA

Project: Pelham M1-5/8
Pace Project No.: 7050985

SAMPLE DUPLICATE: 307670

Parameter	Units	7051274001 Result	Dup Result	RPD	Qualifiers
Chromium	ug/L	984	880	11	
Copper	ug/L	819	760	7	
Lead	ug/L	147	130	13	
Molybdenum	ug/L	112	113	1	
Nickel	ug/L	80.5	72.6	10	
Silver	ug/L	<10.0	<10.0		
Zinc	ug/L	2560	2370	8	

SAMPLE DUPLICATE: 307672

Parameter	Units	7051274002 Result	Dup Result	RPD	Qualifiers
Cadmium	ug/L	19.1	19.6	2	
Chromium	ug/L	72.7	76.6	5	
Copper	ug/L	1950	1960	1	
Lead	ug/L	5.6	5.3	6	
Molybdenum	ug/L	<200	<200		
Nickel	ug/L	78700	81800	4	
Silver	ug/L	<10.0	<10.0		
Zinc	ug/L	92500	96200	4	

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QUALITY CONTROL DATA

Project: Pelham M1-5/8
Pace Project No.: 7050985

QC Batch: 66990
QC Batch Method: EPA 624.1
Analysis Method: EPA 624.1
Analysis Description: 624.1 MSV
Associated Lab Samples: 7050985006

METHOD BLANK: 306962
Matrix: Water
Associated Lab Samples: 7050985006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	05/09/18 14:01	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	05/09/18 14:01	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	05/09/18 14:01	
1,1-Dichloroethane	ug/L	<1.0	1.0	05/09/18 14:01	
1,1-Dichloroethene	ug/L	<1.0	1.0	05/09/18 14:01	
1,2-Dichlorobenzene	ug/L	<1.0	1.0	05/09/18 14:01	
1,2-Dichloroethane	ug/L	<1.0	1.0	05/09/18 14:01	
1,2-Dichloroethene (Total)	ug/L	<1.0	1.0	05/09/18 14:01	
1,2-Dichloropropane	ug/L	<1.0	1.0	05/09/18 14:01	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	05/09/18 14:01	
1,4-Dichlorobenzene	ug/L	<1.0	1.0	05/09/18 14:01	
2-Butanone (MEK)	ug/L	<5.0	5.0	05/09/18 14:01	N2
2-Hexanone	ug/L	<5.0	5.0	05/09/18 14:01	N2
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	05/09/18 14:01	N2
Acetone	ug/L	<5.0	5.0	05/09/18 14:01	
Benzene	ug/L	<1.0	1.0	05/09/18 14:01	
Bromodichloromethane	ug/L	<1.0	1.0	05/09/18 14:01	
Bromoform	ug/L	<1.0	1.0	05/09/18 14:01	
Bromomethane	ug/L	<1.0	1.0	05/09/18 14:01	
Carbon disulfide	ug/L	<1.0	1.0	05/09/18 14:01	N2
Carbon tetrachloride	ug/L	<1.0	1.0	05/09/18 14:01	
Chlorobenzene	ug/L	<1.0	1.0	05/09/18 14:01	
Chloroethane	ug/L	<1.0	1.0	05/09/18 14:01	
Chloroform	ug/L	<1.0	1.0	05/09/18 14:01	
Chloromethane	ug/L	<1.0	1.0	05/09/18 14:01	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	05/09/18 14:01	
Dibromochloromethane	ug/L	<1.0	1.0	05/09/18 14:01	
Ethylbenzene	ug/L	<1.0	1.0	05/09/18 14:01	
m&p-Xylene	ug/L	<1.0	1.0	05/09/18 14:01	
Methyl-tert-butyl ether	ug/L	<1.0	1.0	05/09/18 14:01	
Methylene Chloride	ug/L	<1.0	1.0	05/09/18 14:01	
o-Xylene	ug/L	<1.0	1.0	05/09/18 14:01	
Styrene	ug/L	<1.0	1.0	05/09/18 14:01	
Tetrachloroethene	ug/L	<1.0	1.0	05/09/18 14:01	
Toluene	ug/L	<1.0	1.0	05/09/18 14:01	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	05/09/18 14:01	
Trichloroethene	ug/L	<1.0	1.0	05/09/18 14:01	
Vinyl chloride	ug/L	<1.0	1.0	05/09/18 14:01	
Xylene (Total)	ug/L	<1.0	1.0	05/09/18 14:01	
1,2-Dichloroethane-d4 (S)	%	97	68-153	05/09/18 14:01	
4-Bromofluorobenzene (S)	%	100	79-124	05/09/18 14:01	

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QUALITY CONTROL DATA

Project: Pelham M1-5/8
Pace Project No.: 7050985

METHOD BLANK: 306962 Matrix: Water
Associated Lab Samples: 7050985006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene-d8 (S)	%	103	69-127	05/09/18 14:01	

LABORATORY CONTROL SAMPLE: 306963

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	18.3	92	52-162	
1,1,2,2-Tetrachloroethane	ug/L	20	21.4	107	46-157	
1,1,2-Trichloroethane	ug/L	20	21.4	107	52-150	
1,1-Dichloroethane	ug/L	20	19.7	99	59-155	
1,1-Dichloroethene	ug/L	20	20.8	104	10-234	
1,2-Dichlorobenzene	ug/L	20	20.8	104	18-190	
1,2-Dichloroethane	ug/L	20	20.5	102	49-155	
1,2-Dichloroethene (Total)	ug/L	40	41.2	103	40-160	
1,2-Dichloropropane	ug/L	20	19.2	96	10-210	
1,3-Dichlorobenzene	ug/L	20	20.3	102	59-156	
1,4-Dichlorobenzene	ug/L	20	20.2	101	18-190	
2-Butanone (MEK)	ug/L	20	19.2	96	40-160	N2
2-Hexanone	ug/L	20	19.7	99	40-160	N2
4-Methyl-2-pentanone (MIBK)	ug/L	20	18.8	94	40-160	N2
Acetone	ug/L	20	21.7	108	40-160	CH
Benzene	ug/L	20	20.0	100	65-135	
Bromodichloromethane	ug/L	20	18.9	95	35-155	
Bromoform	ug/L	20	16.8	84	45-169	
Bromomethane	ug/L	20	19.7	99	10-242	
Carbon disulfide	ug/L	20	19.4	97	40-160	N2
Carbon tetrachloride	ug/L	20	16.3	82	70-140	
Chlorobenzene	ug/L	20	20.2	101	37-160	
Chloroethane	ug/L	20	19.3	96	14-230	
Chloroform	ug/L	20	20.4	102	51-138	
Chloromethane	ug/L	20	17.4	87	10-273	
cis-1,3-Dichloropropene	ug/L	20	18.6	93	10-227	
Dibromochloromethane	ug/L	20	18.4	92	53-149	
Ethylbenzene	ug/L	20	20.1	101	37-162	
m&p-Xylene	ug/L	40	40.6	102	40-160	
Methyl-tert-butyl ether	ug/L	20	21.1	106	40-160	
Methylene Chloride	ug/L	20	21.6	108	10-221	
o-Xylene	ug/L	20	20.4	102	40-160	
Styrene	ug/L	20	20.6	103	40-160	
Tetrachloroethene	ug/L	20	19.9	99	64-148	
Toluene	ug/L	20	20.5	103	47-150	
trans-1,3-Dichloropropene	ug/L	20	18.2	91	17-183	
Trichloroethene	ug/L	20	20.5	103	70-157	
Vinyl chloride	ug/L	20	18.4	92	10-251	
Xylene (Total)	ug/L	60	61.0	102	40-160	

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QUALITY CONTROL DATA

Project: Pelham M1-5/8
Pace Project No.: 7050985

LABORATORY CONTROL SAMPLE: 306963

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane-d4 (S)	%			99	68-153	
4-Bromofluorobenzene (S)	%			103	79-124	
Toluene-d8 (S)	%			103	69-127	
Preservation pH			7.0			

MATRIX SPIKE SAMPLE: 306965

Parameter	Units	7050913001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	20	24.1	121	70-130	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	20	23.4	117	40-160	
1,1,2-Trichloroethane	ug/L	<1.0	20	22.8	114	70-130	
1,1-Dichloroethane	ug/L	<1.0	20	25.4	127	70-130	
1,1-Dichloroethene	ug/L	<1.0	20	28.1	141	50-150	
1,2-Dichlorobenzene	ug/L	<1.0	20	22.9	115	62-135	
1,2-Dichloroethane	ug/L	<1.0	20	22.6	113	70-130	
1,2-Dichloroethene (Total)	ug/L	<1.0	40	53.8	135	40-160	
1,2-Dichloropropane	ug/L	<1.0	20	23.3	116	35-165	
1,3-Dichlorobenzene	ug/L	<1.0	20	23.0	115	70-130	
1,4-Dichlorobenzene	ug/L	<1.0	20	23.0	115	65-135	
2-Butanone (MEK)	ug/L	<5.0	20	25.0	117	40-160	N2
2-Hexanone	ug/L	<5.0	20	25.9	129	40-160	N2
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	20	20.9	105	40-160	N2
Acetone	ug/L	85.5	20	125	199	40-160	CH,M1
Benzene	ug/L	<1.0	20	25.4	127	37-151	
Bromodichloromethane	ug/L	<1.0	20	21.3	106	65-135	
Bromoform	ug/L	<1.0	20	16.1	81	70-130	
Bromomethane	ug/L	<1.0	20	26.4	132	15-185	
Carbon disulfide	ug/L	<1.0	20	27.4	137	40-160	N2
Carbon tetrachloride	ug/L	<1.0	20	20.4	102	70-130	
Chlorobenzene	ug/L	<1.0	20	23.8	119	65-135	
Chloroethane	ug/L	<1.0	20	26.2	131	40-160	
Chloroform	ug/L	2.7	20	28.4	128	70-135	
Chloromethane	ug/L	<1.0	20	23.3	117	10-205	
cis-1,3-Dichloropropene	ug/L	<1.0	20	20.9	105	25-175	
Dibromochloromethane	ug/L	<1.0	20	18.8	94	70-135	
Ethylbenzene	ug/L	<1.0	20	24.8	124	40-160	
m&p-Xylene	ug/L	<1.0	40	50.0	125	40-160	
Methyl-tert-butyl ether	ug/L	<1.0	20	23.0	115	40-160	
Methylene Chloride	ug/L	<1.0	20	25.6	128	40-160	
o-Xylene	ug/L	<1.0	20	24.1	121	40-160	
Styrene	ug/L	<1.0	20	23.5	118	40-160	
Tetrachloroethene	ug/L	2.6	20	27.8	126	70-130	
Toluene	ug/L	1.9	20	27.4	127	70-130	
trans-1,3-Dichloropropene	ug/L	<1.0	20	19.4	97	50-150	
Trichloroethene	ug/L	<1.0	20	26.9	134	65-135	

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QUALITY CONTROL DATA

Project: Pelham M1-5/8
Pace Project No.: 7050985

MATRIX SPIKE SAMPLE: 306965

Parameter	Units	7050913001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Vinyl chloride	ug/L	<1.0	20	26.4	132	40-160	
Xylene (Total)	ug/L	<1.0	60	74.1	124	40-160	
1,2-Dichloroethane-d4 (S)	%				96	68-153	
4-Bromofluorobenzene (S)	%				98	79-124	
Toluene-d8 (S)	%				101	69-127	
Preservation pH		7.0		7.0			

SAMPLE DUPLICATE: 306964

Parameter	Units	7050418002 Result	Dup Result	RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	<1.0		
1,1,2,2-Tetrachloroethane	ug/L	<1.0	<1.0		
1,1,2-Trichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethene	ug/L	<1.0	<1.0		
1,2-Dichlorobenzene	ug/L	<1.0	<1.0		
1,2-Dichloroethane	ug/L	<1.0	<1.0		
1,2-Dichloroethene (Total)	ug/L	<1.0	<1.0		
1,2-Dichloropropane	ug/L	<1.0	<1.0		
1,3-Dichlorobenzene	ug/L	<1.0	<1.0		
1,4-Dichlorobenzene	ug/L	<1.0	<1.0		
2-Butanone (MEK)	ug/L	<5.0	<5.0		N2
2-Hexanone	ug/L	<5.0	<5.0		N2
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	<5.0		N2
Acetone	ug/L	19.9	<5.0		CH
Benzene	ug/L	<1.0	<1.0		
Bromodichloromethane	ug/L	<1.0	<1.0		
Bromoform	ug/L	<1.0	<1.0		
Bromomethane	ug/L	<1.0	<1.0		
Carbon disulfide	ug/L	<1.0	<1.0		N2
Carbon tetrachloride	ug/L	<1.0	<1.0		
Chlorobenzene	ug/L	<1.0	<1.0		
Chloroethane	ug/L	<1.0	<1.0		
Chloroform	ug/L	<1.0	<1.0		
Chloromethane	ug/L	<1.0	<1.0		
cis-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Dibromochloromethane	ug/L	<1.0	<1.0		
Ethylbenzene	ug/L	<1.0	<1.0		
m&p-Xylene	ug/L	<1.0	<1.0		
Methyl-tert-butyl ether	ug/L	<1.0	<1.0		
Methylene Chloride	ug/L	<1.0	<1.0		
o-Xylene	ug/L	<1.0	<1.0		
Styrene	ug/L	<1.0	<1.0		
Tetrachloroethene	ug/L	<1.0	<1.0		
Toluene	ug/L	<1.0	<1.0		

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QUALITY CONTROL DATA

Project: Pelham M1-5/8
Pace Project No.: 7050985

SAMPLE DUPLICATE: 306964

Parameter	Units	7050418002 Result	Dup Result	RPD	Qualifiers
trans-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Trichloroethene	ug/L	<1.0	<1.0		
Vinyl chloride	ug/L	<1.0	<1.0		
Xylene (Total)	ug/L	<1.0	<1.0		
1,2-Dichloroethane-d4 (S)	%	95	96	1	
4-Bromofluorobenzene (S)	%	98	97	1	
Toluene-d8 (S)	%	101	100	1	
Preservation pH		7.0	7.0	0	

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QUALITY CONTROL DATA

Project: Pelham M1-5/8
Pace Project No.: 7050985

QC Batch: 67055
QC Batch Method: EPA 608.3
Analysis Method: EPA 608.3
Analysis Description: 608.3 GCSV PCB
Associated Lab Samples: 7050985005

METHOD BLANK: 307405 Matrix: Water
Associated Lab Samples: 7050985005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	<0.065	0.065	05/11/18 13:40	
PCB-1221 (Aroclor 1221)	ug/L	<0.065	0.065	05/11/18 13:40	
PCB-1232 (Aroclor 1232)	ug/L	<0.065	0.065	05/11/18 13:40	
PCB-1242 (Aroclor 1242)	ug/L	<0.065	0.065	05/11/18 13:40	
PCB-1248 (Aroclor 1248)	ug/L	<0.065	0.065	05/11/18 13:40	
PCB-1254 (Aroclor 1254)	ug/L	<0.065	0.065	05/11/18 13:40	
PCB-1260 (Aroclor 1260)	ug/L	<0.065	0.065	05/11/18 13:40	
Decachlorobiphenyl (S)	%	75	10-149	05/11/18 13:40	
Tetrachloro-m-xylene (S)	%	66	10-149	05/11/18 13:40	

LABORATORY CONTROL SAMPLE: 307406

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	.5	0.40	80	42-147	
PCB-1260 (Aroclor 1260)	ug/L	.5	0.46	93	51-144	
Decachlorobiphenyl (S)	%			61	10-149	
Tetrachloro-m-xylene (S)	%			67	16-128	

MATRIX SPIKE SAMPLE: 307787

Parameter	Units	7051166001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	<0.065	.5	0.37	75	53-126	
PCB-1221 (Aroclor 1221)	ug/L	<0.065		<0.065			
PCB-1232 (Aroclor 1232)	ug/L	<0.065		<0.065			
PCB-1242 (Aroclor 1242)	ug/L	<0.065		<0.065			
PCB-1248 (Aroclor 1248)	ug/L	<0.065		<0.065			
PCB-1254 (Aroclor 1254)	ug/L	<0.065		<0.065			
PCB-1260 (Aroclor 1260)	ug/L	<0.065	.5	0.46	91	51-144	
Decachlorobiphenyl (S)	%				43	10-149	
Tetrachloro-m-xylene (S)	%				60	10-149	

SAMPLE DUPLICATE: 307408

Parameter	Units	7050985005 Result	Dup Result	RPD	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	<0.065	<0.065		
PCB-1221 (Aroclor 1221)	ug/L	<0.065	<0.065		
PCB-1232 (Aroclor 1232)	ug/L	<0.065	<0.065		

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QUALITY CONTROL DATA

Project: Pelham M1-5/8
Pace Project No.: 7050985

SAMPLE DUPLICATE: 307408

Parameter	Units	7050985005 Result	Dup Result	RPD	Qualifiers
PCB-1242 (Aroclor 1242)	ug/L	0.13	0.11	21	
PCB-1248 (Aroclor 1248)	ug/L	<0.065	<0.065		
PCB-1254 (Aroclor 1254)	ug/L	<0.065	<0.065		
PCB-1260 (Aroclor 1260)	ug/L	<0.065	<0.065		
Decachlorobiphenyl (S)	%	50	49	1	
Tetrachloro-m-xylene (S)	%	48	49	2	

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QUALITY CONTROL DATA

Project: Pelham M1-5/8
Pace Project No.: 7050985

QC Batch: 66963
QC Batch Method: EPA 625.1 SF
Analysis Method: EPA 625.1
Analysis Description: 625.1 MSSV
Associated Lab Samples: 7050985005

METHOD BLANK: 306817
Matrix: Water
Associated Lab Samples: 7050985005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	<1.0	1.0	05/11/18 12:12	
2,2'-Oxybis(1-chloropropane)	ug/L	<1.0	1.0	05/11/18 12:12	
2,4,5-Trichlorophenol	ug/L	<1.0	1.0	05/11/18 12:12	
2,4,6-Trichlorophenol	ug/L	<1.0	1.0	05/11/18 12:12	
2,4-Dichlorophenol	ug/L	<1.0	1.0	05/11/18 12:12	
2,4-Dimethylphenol	ug/L	<5.0	5.0	05/11/18 12:12	
2,4-Dinitrophenol	ug/L	<5.0	5.0	05/11/18 12:12	
2,4-Dinitrotoluene	ug/L	<1.0	1.0	05/11/18 12:12	
2,6-Dinitrotoluene	ug/L	<1.0	1.0	05/11/18 12:12	
2-Chloronaphthalene	ug/L	<1.0	1.0	05/11/18 12:12	
2-Chlorophenol	ug/L	<1.0	1.0	05/11/18 12:12	
2-Methylnaphthalene	ug/L	<1.0	1.0	05/11/18 12:12	N2
2-Methylphenol(o-Cresol)	ug/L	<1.0	1.0	05/11/18 12:12	
2-Nitroaniline	ug/L	<1.0	1.0	05/11/18 12:12	N2
2-Nitrophenol	ug/L	<1.0	1.0	05/11/18 12:12	
3&4-Methylphenol(m&p Cresol)	ug/L	<1.0	1.0	05/11/18 12:12	
3,3'-Dichlorobenzidine	ug/L	<1.0	1.0	05/11/18 12:12	
3-Nitroaniline	ug/L	<1.0	1.0	05/11/18 12:12	N2
4,6-Dinitro-2-methylphenol	ug/L	<5.0	5.0	05/11/18 12:12	
4-Bromophenylphenyl ether	ug/L	<1.0	1.0	05/11/18 12:12	
4-Chloro-3-methylphenol	ug/L	<1.0	1.0	05/11/18 12:12	
4-Chloroaniline	ug/L	<1.0	1.0	05/11/18 12:12	N2
4-Chlorophenylphenyl ether	ug/L	<1.0	1.0	05/11/18 12:12	
4-Nitroaniline	ug/L	<1.0	1.0	05/11/18 12:12	N2
4-Nitrophenol	ug/L	<5.0	5.0	05/11/18 12:12	
Acenaphthene	ug/L	<1.0	1.0	05/11/18 12:12	
Acenaphthylene	ug/L	<1.0	1.0	05/11/18 12:12	
Anthracene	ug/L	<1.0	1.0	05/11/18 12:12	
Benzo(a)anthracene	ug/L	<1.0	1.0	05/11/18 12:12	
Benzo(a)pyrene	ug/L	<1.0	1.0	05/11/18 12:12	
Benzo(b)fluoranthene	ug/L	<1.0	1.0	05/11/18 12:12	
Benzo(g,h,i)perylene	ug/L	<1.0	1.0	05/11/18 12:12	
Benzo(k)fluoranthene	ug/L	<1.0	1.0	05/11/18 12:12	
bis(2-Chloroethoxy)methane	ug/L	<1.0	1.0	05/11/18 12:12	
bis(2-Chloroethyl) ether	ug/L	<1.0	1.0	05/11/18 12:12	
bis(2-Ethylhexyl)phthalate	ug/L	<1.0	1.0	05/11/18 12:12	
Butylbenzylphthalate	ug/L	<1.0	1.0	05/11/18 12:12	
Carbazole	ug/L	<1.0	1.0	05/11/18 12:12	
Chrysene	ug/L	<1.0	1.0	05/11/18 12:12	
Di-n-butylphthalate	ug/L	<1.0	1.0	05/11/18 12:12	
Di-n-octylphthalate	ug/L	<1.0	1.0	05/11/18 12:12	

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QUALITY CONTROL DATA

Project: Pelham M1-5/8
Pace Project No.: 7050985

METHOD BLANK: 306817 Matrix: Water
Associated Lab Samples: 7050985005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibenz(a,h)anthracene	ug/L	<1.0	1.0	05/11/18 12:12	
Diethylphthalate	ug/L	<1.0	1.0	05/11/18 12:12	
Dimethylphthalate	ug/L	<1.0	1.0	05/11/18 12:12	
Fluoranthene	ug/L	<1.0	1.0	05/11/18 12:12	
Fluorene	ug/L	<1.0	1.0	05/11/18 12:12	
Hexachloro-1,3-butadiene	ug/L	<1.0	1.0	05/11/18 12:12	
Hexachlorobenzene	ug/L	<1.0	1.0	05/11/18 12:12	
Hexachlorocyclopentadiene	ug/L	<5.0	5.0	05/11/18 12:12	
Hexachloroethane	ug/L	<1.0	1.0	05/11/18 12:12	
Indeno(1,2,3-cd)pyrene	ug/L	<1.0	1.0	05/11/18 12:12	
Isophorone	ug/L	<1.0	1.0	05/11/18 12:12	
N-Nitroso-di-n-propylamine	ug/L	<1.0	1.0	05/11/18 12:12	
N-Nitrosodiphenylamine	ug/L	<1.0	1.0	05/11/18 12:12	
Naphthalene	ug/L	<1.0	1.0	05/11/18 12:12	
Nitrobenzene	ug/L	<1.0	1.0	05/11/18 12:12	
Pentachlorophenol	ug/L	<5.0	5.0	05/11/18 12:12	
Phenanthrene	ug/L	<1.0	1.0	05/11/18 12:12	
Phenol	ug/L	<1.0	1.0	05/11/18 12:12	
Pyrene	ug/L	<1.0	1.0	05/11/18 12:12	
1,2-Dichlorobenzene-d4 (S)	%	48	16-110	05/11/18 12:12	
2,4,6-Tribromophenol (S)	%	60	10-123	05/11/18 12:12	
2-Chlorophenol-d4 (S)	%	55	33-110	05/11/18 12:12	
2-Fluorobiphenyl (S)	%	58	60-140	05/11/18 12:12	S0
2-Fluorophenol (S)	%	29	60-140	05/11/18 12:12	S0
Nitrobenzene-d5 (S)	%	64	35-114	05/11/18 12:12	
p-Terphenyl-d14 (S)	%	69	33-141	05/11/18 12:12	
Phenol-d5 (S)	%	19	10-110	05/11/18 12:12	

LABORATORY CONTROL SAMPLE: 306818

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	38.0	76	57-130	
2,2'-Oxybis(1-chloropropane)	ug/L	50	34.3	69	63-139	
2,4,5-Trichlorophenol	ug/L	50	46.0	92	41-121	
2,4,6-Trichlorophenol	ug/L	50	49.3	99	52-129	
2,4-Dichlorophenol	ug/L	50	45.0	90	53-122	
2,4-Dimethylphenol	ug/L	50	27.9	56	42-120	
2,4-Dinitrophenol	ug/L	50	21.2	42	10-173	
2,4-Dinitrotoluene	ug/L	50	49.1	98	48-127	
2,6-Dinitrotoluene	ug/L	50	45.4	91	68-137	
2-Chloronaphthalene	ug/L	50	44.8	90	65-120	
2-Chlorophenol	ug/L	50	37.0	74	36-120	
2-Methylnaphthalene	ug/L	50	41.4	83	25-98	N2
2-Methylphenol(o-Cresol)	ug/L	50	28.2	56	41-131	

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QUALITY CONTROL DATA

Project: Pelham M1-5/8
Pace Project No.: 7050985

LABORATORY CONTROL SAMPLE: 306818

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Nitroaniline	ug/L	50	44.6	89	55-115	N2
2-Nitrophenol	ug/L	50	43.5	87	45-167	
3&4-Methylphenol(m&p Cresol)	ug/L	50	28.0	56	43-119	
3,3'-Dichlorobenzidine	ug/L	50	53.5	107	8-213	
3-Nitroaniline	ug/L	50	45.6	91	51-123	N2
4,6-Dinitro-2-methylphenol	ug/L	50	50.0	100	53-130	
4-Bromophenylphenyl ether	ug/L	50	49.8	100	65-120	
4-Chloro-3-methylphenol	ug/L	50	46.2	92	41-128	
4-Chloroaniline	ug/L	50	40.6	81	55-102	N2
4-Chlorophenylphenyl ether	ug/L	50	44.2	88	38-145	
4-Nitroaniline	ug/L	50	46.8	94	63-116	N2
4-Nitrophenol	ug/L	50	16.4	33	13-129	
Acenaphthene	ug/L	50	41.6	83	60-132	
Acenaphthylene	ug/L	50	43.6	87	54-126	
Anthracene	ug/L	50	49.3	99	43-120	
Benzo(a)anthracene	ug/L	50	49.1	98	42-133	
Benzo(a)pyrene	ug/L	50	50.2	100	32-148	
Benzo(b)fluoranthene	ug/L	50	50.4	101	42-140	
Benzo(g,h,i)perylene	ug/L	50	53.5	107	10-195	
Benzo(k)fluoranthene	ug/L	50	51.1	102	25-146	
bis(2-Chloroethoxy)methane	ug/L	50	40.3	81	49-165	
bis(2-Chloroethyl) ether	ug/L	50	38.9	78	43-126	
bis(2-Ethylhexyl)phthalate	ug/L	50	49.4	99	29-137	
Butylbenzylphthalate	ug/L	50	49.8	100	10-140	
Carbazole	ug/L	50	48.5	97	49-116	
Chrysene	ug/L	50	50.9	102	44-140	
Di-n-butylphthalate	ug/L	50	50.2	100	8-120	
Di-n-octylphthalate	ug/L	50	50.3	101	19-132	
Dibenz(a,h)anthracene	ug/L	50	53.8	108	10-200	
Diethylphthalate	ug/L	50	50.2	100	10-120	
Dimethylphthalate	ug/L	50	46.7	93	10-120	
Fluoranthene	ug/L	50	49.0	98	43-121	
Fluorene	ug/L	50	44.3	89	70-120	
Hexachloro-1,3-butadiene	ug/L	50	37.6	75	38-120	
Hexachlorobenzene	ug/L	50	49.7	99	8-142	
Hexachlorocyclopentadiene	ug/L	50	32.4	65	13-119	
Hexachloroethane	ug/L	50	38.0	76	55-120	
Indeno(1,2,3-cd)pyrene	ug/L	50	58.7	117	10-151	
Isophorone	ug/L	50	43.9	88	47-180	
N-Nitroso-di-n-propylamine	ug/L	50	42.6	85	14-198	
N-Nitrosodiphenylamine	ug/L	50	50.6	101	27-135	
Naphthalene	ug/L	50	39.0	78	36-120	
Nitrobenzene	ug/L	50	41.8	84	54-158	
Pentachlorophenol	ug/L	50	29.6	59	38-152	
Phenanthrene	ug/L	50	50.7	101	65-120	
Phenol	ug/L	50	17.0	34	17-120	
Pyrene	ug/L	50	49.6	99	70-120	

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QUALITY CONTROL DATA

Project: Pelham M1-5/8
Pace Project No.: 7050985

LABORATORY CONTROL SAMPLE: 306818

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene-d4 (S)	%			55	16-110	
2,4,6-Tribromophenol (S)	%			76	10-123	
2-Chlorophenol-d4 (S)	%			56	33-110	
2-Fluorobiphenyl (S)	%			60	60-140	
2-Fluorophenol (S)	%			33	60-140	S0
Nitrobenzene-d5 (S)	%			64	35-114	
p-Terphenyl-d14 (S)	%			73	33-141	
Phenol-d5 (S)	%			21	10-110	

MATRIX SPIKE SAMPLE: 306836

Parameter	Units	7051152001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	<1.0	50	37.8	76	44-142	
2,2'-Oxybis(1-chloropropane)	ug/L	<1.0	50	33.6	67	36-166	
2,4,5-Trichlorophenol	ug/L	<1.0	50	44.7	89	41-121	
2,4,6-Trichlorophenol	ug/L	<1.0	50	48.1	96	37-144	
2,4-Dichlorophenol	ug/L	<1.0	50	44.1	88	39-135	
2,4-Dimethylphenol	ug/L	<5.0	50	37.7	75	32-120	
2,4-Dinitrophenol	ug/L	<5.0	50	12.0	24	10-191	
2,4-Dinitrotoluene	ug/L	<1.0	50	48.4	97	39-139	
2,6-Dinitrotoluene	ug/L	<1.0	50	45.4	91	50-158	
2-Chloronaphthalene	ug/L	<1.0	50	41.7	83	60-120	
2-Chlorophenol	ug/L	<1.0	50	33.7	67	22-134	
2-Methylnaphthalene	ug/L	<1.0	50	42.2	84	25-98	N2
2-Methylphenol(o-Cresol)	ug/L	<1.0	50	28.1	56	41-131	
2-Nitroaniline	ug/L	<1.0	50	43.0	86	55-115	N2
2-Nitrophenol	ug/L	<1.0	50	42.1	84	29-182	
3&4-Methylphenol(m&p Cresol)	ug/L	<1.0	50	26.0	52	43-119	
3,3'-Dichlorobenzidine	ug/L	<1.0	50	31.2	62	10-262	
3-Nitroaniline	ug/L	<1.0	50	41.1	82	51-123	N2
4,6-Dinitro-2-methylphenol	ug/L	<5.0	50	47.3	95	10-181	
4-Bromophenylphenyl ether	ug/L	<1.0	50	48.3	97	53-127	
4-Chloro-3-methylphenol	ug/L	<1.0	50	54.0	108	22-147	
4-Chloroaniline	ug/L	<1.0	50	35.6	71	55-102	N2
4-Chlorophenylphenyl ether	ug/L	<1.0	50	44.0	88	25-158	
4-Nitroaniline	ug/L	<1.0	50	37.8	76	63-116	N2
4-Nitrophenol	ug/L	<5.0	50	17.4	35	10-132	
Acenaphthene	ug/L	<1.0	50	37.1	74	47-145	
Acenaphthylene	ug/L	<1.0	50	40.6	81	33-145	
Anthracene	ug/L	<1.0	50	48.3	97	27-133	
Benzo(a)anthracene	ug/L	<1.0	50	49.1	98	33-143	
Benzo(a)pyrene	ug/L	<1.0	50	47.2	94	17-163	
Benzo(b)fluoranthene	ug/L	<1.0	50	49.9	100	24-159	
Benzo(g,h,i)perylene	ug/L	<1.0	50	53.8	108	10-219	
Benzo(k)fluoranthene	ug/L	<1.0	50	53.8	108	11-162	

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QUALITY CONTROL DATA

Project: Pelham M1-5/8
Pace Project No.: 7050985

MATRIX SPIKE SAMPLE: 306836

Parameter	Units	7051152001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
bis(2-Chloroethoxy)methane	ug/L	<1.0	50	39.1	78	33-184	
bis(2-Chloroethyl) ether	ug/L	<1.0	50	37.2	74	12-158	
bis(2-Ethylhexyl)phthalate	ug/L	<1.0	50	49.0	98	8-158	
Butylbenzylphthalate	ug/L	<1.0	50	50.4	101	10-152	
Carbazole	ug/L	<1.0	50	48.6	97	49-116	
Chrysene	ug/L	<1.0	50	49.9	100	17-168	
Di-n-butylphthalate	ug/L	<1.0	50	47.6	95	1-120	
Di-n-octylphthalate	ug/L	<1.0	50	48.6	97	4-146	
Dibenz(a,h)anthracene	ug/L	<1.0	50	54.3	109	10-227	
Diethylphthalate	ug/L	<1.0	50	47.9	96	10-120	
Dimethylphthalate	ug/L	<1.0	50	45.6	91	10-120	
Fluoranthene	ug/L	<1.0	50	48.5	97	26-137	
Fluorene	ug/L	<1.0	50	44.3	89	59-121	
Hexachloro-1,3-butadiene	ug/L	<1.0	50	38.9	78	24-120	
Hexachlorobenzene	ug/L	<1.0	50	48.2	96	10-152	
Hexachlorocyclopentadiene	ug/L	<5.0	50	27.7	55	13-119	
Hexachloroethane	ug/L	<1.0	50	34.0	68	40-120	
Indeno(1,2,3-cd)pyrene	ug/L	<1.0	50	56.2	112	10-171	
Isophorone	ug/L	<1.0	50	43.5	87	21-196	
N-Nitroso-di-n-propylamine	ug/L	<1.0	50	38.4	77	10-230	
N-Nitrosodiphenylamine	ug/L	<1.0	50	49.6	99	27-135	
Naphthalene	ug/L	<1.0	50	38.9	78	21-133	
Nitrobenzene	ug/L	<1.0	50	42.9	86	35-180	
Pentachlorophenol	ug/L	<5.0	50	38.5	77	14-176	
Phenanthrene	ug/L	<1.0	50	49.1	98	54-120	
Phenol	ug/L	<1.0	50	15.6	31	5-120	
Pyrene	ug/L	<1.0	50	47.6	95	52-120	
1,2-Dichlorobenzene-d4 (S)	%				49	16-110	
2,4,6-Tribromophenol (S)	%				83	10-123	
2-Chlorophenol-d4 (S)	%				52	33-110	
2-Fluorobiphenyl (S)	%				58	60-140	S0
2-Fluorophenol (S)	%				29	60-140	S0
Nitrobenzene-d5 (S)	%				62	35-114	
p-Terphenyl-d14 (S)	%				66	33-141	
Phenol-d5 (S)	%				19	10-110	

SAMPLE DUPLICATE: 306837

Parameter	Units	60269666001 Result	Dup Result	RPD	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	<1.0		
2,2'-Oxybis(1-chloropropane)	ug/L	ND	<1.0		
2,4,5-Trichlorophenol	ug/L	ND	<1.0		
2,4,6-Trichlorophenol	ug/L	ND	<1.0		
2,4-Dichlorophenol	ug/L	ND	<1.0		
2,4-Dimethylphenol	ug/L	ND	<5.0		

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QUALITY CONTROL DATA

Project: Pelham M1-5/8
Pace Project No.: 7050985

SAMPLE DUPLICATE: 306837

Parameter	Units	60269666001 Result	Dup Result	RPD	Qualifiers
2,4-Dinitrophenol	ug/L	ND	<5.0		
2,4-Dinitrotoluene	ug/L	ND	<1.0		
2,6-Dinitrotoluene	ug/L	ND	<1.0		
2-Chloronaphthalene	ug/L	ND	<1.0		
2-Chlorophenol	ug/L	ND	<1.0		
2-Methylnaphthalene	ug/L	ND	<1.0		N2
2-Methylphenol(o-Cresol)	ug/L	ND	<1.0		
2-Nitroaniline	ug/L	ND	<1.0		N2
2-Nitrophenol	ug/L	ND	<1.0		
3&4-Methylphenol(m&p Cresol)	ug/L	ND	<1.0		
3,3'-Dichlorobenzidine	ug/L	ND	<1.0		
3-Nitroaniline	ug/L	ND	<1.0		N2
4,6-Dinitro-2-methylphenol	ug/L	ND	<5.0		
4-Bromophenylphenyl ether	ug/L	ND	<1.0		
4-Chloro-3-methylphenol	ug/L	ND	<1.0		
4-Chloroaniline	ug/L	ND	<1.0		N2
4-Chlorophenylphenyl ether	ug/L	ND	<1.0		
4-Nitroaniline	ug/L	ND	<1.0		N2
4-Nitrophenol	ug/L	ND	<5.0		
Acenaphthene	ug/L	ND	<1.0		
Acenaphthylene	ug/L	ND	<1.0		
Anthracene	ug/L	ND	<1.0		
Benzo(a)anthracene	ug/L	ND	<1.0		
Benzo(a)pyrene	ug/L	ND	<1.0		
Benzo(b)fluoranthene	ug/L	ND	<1.0		
Benzo(g,h,i)perylene	ug/L	ND	<1.0		
Benzo(k)fluoranthene	ug/L	ND	<1.0		
bis(2-Chloroethoxy)methane	ug/L	ND	<1.0		
bis(2-Chloroethyl) ether	ug/L	2.7	2.8	1	
bis(2-Ethylhexyl)phthalate	ug/L	ND	<1.0		
Butylbenzylphthalate	ug/L	ND	<1.0		
Carbazole	ug/L	ND	<1.0		
Chrysene	ug/L	ND	<1.0		
Di-n-butylphthalate	ug/L	ND	<1.0		
Di-n-octylphthalate	ug/L	ND	<1.0		
Dibenz(a,h)anthracene	ug/L	ND	<1.0		
Diethylphthalate	ug/L	ND	<1.0		
Dimethylphthalate	ug/L	ND	<1.0		
Fluoranthene	ug/L	ND	<1.0		
Fluorene	ug/L	ND	<1.0		
Hexachloro-1,3-butadiene	ug/L	ND	<1.0		
Hexachlorobenzene	ug/L	ND	<1.0		
Hexachlorocyclopentadiene	ug/L	ND	<5.0		
Hexachloroethane	ug/L	ND	<1.0		
Indeno(1,2,3-cd)pyrene	ug/L	ND	<1.0		
Isophorone	ug/L	ND	<1.0		
N-Nitroso-di-n-propylamine	ug/L	ND	<1.0		

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(631)694-3040

QUALITY CONTROL DATA

Project: Pelham M1-5/8
Pace Project No.: 7050985

SAMPLE DUPLICATE: 306837

Parameter	Units	60269666001 Result	Dup Result	RPD	Qualifiers
N-Nitrosodiphenylamine	ug/L	ND	<1.0		
Naphthalene	ug/L	ND	<1.0		
Nitrobenzene	ug/L	ND	<1.0		
Pentachlorophenol	ug/L	ND	<5.0		
Phenanthrene	ug/L	ND	<1.0		
Phenol	ug/L	ND	<1.0		
Pyrene	ug/L	ND	<1.0		
1,2-Dichlorobenzene-d4 (S)	%	42	44	3	
2,4,6-Tribromophenol (S)	%	70	71	2	
2-Chlorophenol-d4 (S)	%	45	46	3	
2-Fluorobiphenyl (S)	%	51	53	3	S0
2-Fluorophenol (S)	%	21	24	11	S0
Nitrobenzene-d5 (S)	%	51	54	5	
p-Terphenyl-d14 (S)	%	70	60	15	
Phenol-d5 (S)	%	14	15	6	

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QUALITY CONTROL DATA

Project: Pelham M1-5/8
Pace Project No.: 7050985

QC Batch: 67856 Analysis Method: EPA 1664A
QC Batch Method: EPA 1664A Analysis Description: 1664 HEM, Oil and Grease
Associated Lab Samples: 7050985001, 7050985002, 7050985003

METHOD BLANK: 310873 Matrix: Water
Associated Lab Samples: 7050985001, 7050985002, 7050985003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	<5.0	5.0	05/17/18 13:41	

LABORATORY CONTROL SAMPLE & LCSD: 310874 310875

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	40	37.6	38.4	94	96	78-114	2	20	

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QUALITY CONTROL DATA

Project: Pelham M1-5/8
Pace Project No.: 7050985

QC Batch: 68034
QC Batch Method: EPA 1664A
Analysis Method: EPA 1664A
Analysis Description: 1664 HEM, Oil and Grease
Associated Lab Samples: 7050985004

METHOD BLANK: 311615 Matrix: Water
Associated Lab Samples: 7050985004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	<5.0	5.0	05/18/18 12:56	

LABORATORY CONTROL SAMPLE & LCSD: 311616 311617

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	40	39.7	38.6	99	96	78-114	3	20	

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QUALITY CONTROL DATA

Project: Pelham M1-5/8
Pace Project No.: 7050985

QC Batch: 67170 Analysis Method: SM22 2540D
QC Batch Method: SM22 2540D Analysis Description: 2540D Total Suspended Solids
Associated Lab Samples: 7050985001, 7050985002, 7050985003, 7050985004

METHOD BLANK: 307823 Matrix: Water
Associated Lab Samples: 7050985001, 7050985002, 7050985003, 7050985004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	<1.0	1.0	05/11/18 17:00	

LABORATORY CONTROL SAMPLE: 307824

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	200	186	93	85-115	

SAMPLE DUPLICATE: 307825

Parameter	Units	7050929001 Result	Dup Result	RPD	Qualifiers
Total Suspended Solids	mg/L	156	132	17	

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QUALITY CONTROL DATA

Project: Pelham M1-5/8
Pace Project No.: 7050985

QC Batch: 66594
QC Batch Method: SM22 3500-Cr B
Analysis Method: SM22 3500-Cr B
Analysis Description: Chromium, Hexavalent by 3500
Associated Lab Samples: 7050985005

METHOD BLANK: 305626 Matrix: Water
Associated Lab Samples: 7050985005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chromium, Hexavalent	mg/L	<0.020	0.020	05/08/18 22:54	

LABORATORY CONTROL SAMPLE: 305627

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	mg/L	.2	0.21	103	85-115	

MATRIX SPIKE SAMPLE: 305628

Parameter	Units	7050985005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	mg/L	<0.020	.2	0.18	90	75-125	

SAMPLE DUPLICATE: 305629

Parameter	Units	7050985005 Result	Dup Result	RPD	Qualifiers
Chromium, Hexavalent	mg/L	<0.020	<0.020		

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QUALITY CONTROL DATA

Project: Pelham M1-5/8
Pace Project No.: 7050985

QC Batch: 66593 Analysis Method: SM22 4500-H+B
QC Batch Method: SM22 4500-H+B Analysis Description: 4500H+B pH
Associated Lab Samples: 7050985001, 7050985002, 7050985003, 7050985004

SAMPLE DUPLICATE: 305625

Parameter	Units	7050985001 Result	Dup Result	RPD	Qualifiers
pH	Std. Units	6.9	6.9	0	H3,H6
Temperature, Water (C)	deg C	23.8	23.9	0	H3,H6

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QUALITY CONTROL DATA

Project: Pelham M1-5/8
Pace Project No.: 7050985

QC Batch: 66698
QC Batch Method: SM22 5210B
Analysis Method: SM22 5210B
Analysis Description: 5210B cBOD, 5 day
Associated Lab Samples: 7050985005

METHOD BLANK: 305858 Matrix: Water
Associated Lab Samples: 7050985005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Carbonaceous BOD, 5 day	mg/L	<2.0	2.0	05/14/18 10:40	

LABORATORY CONTROL SAMPLE: 305859

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbonaceous BOD, 5 day	mg/L	198	183	93	84.5-115.4	

SAMPLE DUPLICATE: 305860

Parameter	Units	7050814001 Result	Dup Result	RPD	Qualifiers
Carbonaceous BOD, 5 day	mg/L	112	104	8	

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QUALITY CONTROL DATA

Project: Pelham M1-5/8
Pace Project No.: 7050985

QC Batch: 68332
QC Batch Method: EPA 351.2
Analysis Method: EPA 351.2
Analysis Description: 351.2 TKN
Associated Lab Samples: 7050985005

METHOD BLANK: 313490 Matrix: Water
Associated Lab Samples: 7050985005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	<0.10	0.10	05/22/18 12:46	

LABORATORY CONTROL SAMPLE: 313491

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	4	3.7	92	90-110	

MATRIX SPIKE SAMPLE: 313492

Parameter	Units	7050924001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	<0.10	4	4.3	108	90-110	

MATRIX SPIKE SAMPLE: 313494

Parameter	Units	7051263002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	1.3	4	5.6	108	90-110	

SAMPLE DUPLICATE: 313493

Parameter	Units	7050924001 Result	Dup Result	RPD	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	<0.10	<0.10		

SAMPLE DUPLICATE: 313495

Parameter	Units	7051263002 Result	Dup Result	RPD	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	1.3	1.3	1	

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QUALITY CONTROL DATA

Project: Pelham M1-5/8
Pace Project No.: 7050985

QC Batch: 66589
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrite, Unpres.
Associated Lab Samples: 7050985005

METHOD BLANK: 305607 Matrix: Water
Associated Lab Samples: 7050985005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	<0.050	0.050	05/08/18 20:15	

LABORATORY CONTROL SAMPLE: 305608

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	1	1.0	103	90-110	

MATRIX SPIKE SAMPLE: 305609

Parameter	Units	7050946001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	0.24	.5	0.80	112	90-110	M1

SAMPLE DUPLICATE: 305610

Parameter	Units	7050946001 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	0.24	0.24	0	

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QUALITY CONTROL DATA

Project: Pelham M1-5/8
Pace Project No.: 7050985

QC Batch: 66607
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, preserved
Associated Lab Samples: 7050985005

METHOD BLANK: 305670 Matrix: Water
Associated Lab Samples: 7050985005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	0.050	05/08/18 23:30	

LABORATORY CONTROL SAMPLE: 305671

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	1	1.0	102	90-110	

MATRIX SPIKE SAMPLE: 305672

Parameter	Units	7050924001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	3.4	5	8.6	104	90-110	

MATRIX SPIKE SAMPLE: 305674

Parameter	Units	7050924003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	10.5	5	14.8	85	90-110	M6

SAMPLE DUPLICATE: 305673

Parameter	Units	7050924001 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	3.4	3.3	3	

SAMPLE DUPLICATE: 305675

Parameter	Units	7050924003 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	10.5	10.7	1	

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QUALITY CONTROL DATA

Project: Pelham M1-5/8
Pace Project No.: 7050985

QC Batch: 68392
QC Batch Method: SM20/22 4500-CN-C
Analysis Method: SM22 4500-CN-E
Analysis Description: 4500 CNE Cyanide, Total
Associated Lab Samples: 7050985006

METHOD BLANK: 313583 Matrix: Water
Associated Lab Samples: 7050985006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	ug/L	<10.0	10.0	05/22/18 13:36	

LABORATORY CONTROL SAMPLE: 313584

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	ug/L	75	67.3	90	85-115	

MATRIX SPIKE SAMPLE: 313585

Parameter	Units	7051451001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cyanide	ug/L	<0.010 mg/L	100	84.6	84	75-125	

SAMPLE DUPLICATE: 313586

Parameter	Units	7051451001 Result	Dup Result	RPD	Qualifiers
Cyanide	ug/L	<0.010 mg/L	<10.0		

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QUALITY CONTROL DATA

Project: Pelham M1-5/8
Pace Project No.: 7050985

QC Batch: 67048
QC Batch Method: SM22 4500-Cl-E
Analysis Method: SM22 4500-Cl-E
Analysis Description: 4500 Chloride
Associated Lab Samples: 7050985005

METHOD BLANK: 307391 Matrix: Water
Associated Lab Samples: 7050985005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<2.0	2.0	05/11/18 10:57	

LABORATORY CONTROL SAMPLE: 307392

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	54.0	108	90-110	

MATRIX SPIKE SAMPLE: 307393

Parameter	Units	7051099001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	31.2	25	57.2	104	80-120	

SAMPLE DUPLICATE: 307394

Parameter	Units	7051099001 Result	Dup Result	RPD	Qualifiers
Chloride	mg/L	31.2	31.2	0	

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QUALITY CONTROL DATA

Project: Pelham M1-5/8
Pace Project No.: 7050985

QC Batch: 68395
QC Batch Method: SM22 4500-CN-G
Analysis Method: SM22 4500-CN-E
Analysis Description: 4500CNG Cyanide, Amenable
Associated Lab Samples: 7050985006

METHOD BLANK: 313588
Matrix: Water
Associated Lab Samples: 7050985006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Amenable Cyanide	ug/L	<10.0	10.0	05/22/18 13:42	

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QUALIFIERS

Project: Pelham M1-5/8
Pace Project No.: 7050985

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
H3	Sample was received or analysis requested beyond the recognized method holding time.
H6	Analysis initiated outside of the 15 minute EPA recommended holding time.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
M6	Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.
N2	The lab does not hold NELAC/TNI accreditation for this parameter.
S0	Surrogate recovery outside laboratory control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Pelham M1-5/8
Pace Project No.: 7050985

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7050985005	M1-24HR FIELD COMPOSITE	EPA 608.3	67055	EPA 608.3	67165
7050985005	M1-24HR FIELD COMPOSITE	EPA 200.7	67130	EPA 200.7	67139
7050985005	M1-24HR FIELD COMPOSITE	EPA 245.1	67134	EPA 245.1	67143
7050985005	M1-24HR FIELD COMPOSITE	EPA 625.1 SF	66963	EPA 625.1	67024
7050985006	M1-GRAB COMPOSITE	EPA 624.1	66990		
7050985001	M1-7:00-GRAB #1	EPA 1664A	67856		
7050985002	M1-8:00-GRAB #2	EPA 1664A	67856		
7050985003	M1-9:00-GRAB #3	EPA 1664A	67856		
7050985004	M1-10:00-GRAB #4	EPA 1664A	68034		
7050985001	M1-7:00-GRAB #1	SM22 2540D	67170		
7050985002	M1-8:00-GRAB #2	SM22 2540D	67170		
7050985003	M1-9:00-GRAB #3	SM22 2540D	67170		
7050985004	M1-10:00-GRAB #4	SM22 2540D	67170		
7050985005	M1-24HR FIELD COMPOSITE	SM22 3500-Cr B	66594		
7050985001	M1-7:00-GRAB #1	SM22 4500-H+B	66593		
7050985002	M1-8:00-GRAB #2	SM22 4500-H+B	66593		
7050985003	M1-9:00-GRAB #3	SM22 4500-H+B	66593		
7050985004	M1-10:00-GRAB #4	SM22 4500-H+B	66593		
7050985005	M1-24HR FIELD COMPOSITE	SM22 5210B	66698	SM22 5210B	67862
7050985005	M1-24HR FIELD COMPOSITE	SM22 4500-N	68450		
7050985005	M1-24HR FIELD COMPOSITE	EPA 351.2	68332	EPA 351.2	68344
7050985005	M1-24HR FIELD COMPOSITE	EPA 353.2	66607		
7050985005	M1-24HR FIELD COMPOSITE	EPA 353.2	66589		
7050985006	M1-GRAB COMPOSITE	SM20/22 4500-CN-C	68392	SM22 4500-CN-E	68441
7050985005	M1-24HR FIELD COMPOSITE	SM22 4500-Cl-E	67048		
7050985006	M1-GRAB COMPOSITE	SM22 4500-CN-G	68395	SM22 4500-CN-E	68442

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Pace Analytical
575 Broad Hollow Road
Melville, NY 11747

CHAIN OF CU

WO#:7050985

7050985

PELHAM BAY LANDFILL

M1

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: Andre Dziegelewski	
Source: **Pelham Bay Landfill**	
Job No.:	

Laboratory Use Only
Samples were:
1. Shipped____ or Hand Delivered____ Airbill#_____
2. Ambient or Chilled, **Temperature** _____
3. Received in good condition Yes or No
4. Properly preserved Yes or No
• Discrepancies between labels and COC? Yes or No

MATRIX (Water, Soil, etc.)	COLLECTED DATE	COLLECTED TIME	SAMPLE IDENTIFICATION	Total Number of Containers: 27	VOCs (Grabs composited at Lab) 40 mL VIALS	Cyanide (Grabs composited at Lab) 60 mL Plastic [NaOH]	TSS, pH 500 mL Plastic	Oil & Grease 1 Liter Amber Glass [HCl]	Non Metals 1 Liter Plastic	Metals 250 mL Plastic [HNO_3]	Total N, TKN 250 mL Plastic [H_2SO_4]	SVOC (625) and PCB (608) 1 Liter Amber Glass	Field Ph	Lab. ID #	REMARKS
Water	5/8/18	7:00	M1 - 7:00 - Grab #1	5	2	1	1	1							
Water	5/8/18	8:00	M1 - 8:00 - Grab #2	5	2	1	1	1							
Water	5/8/18	9:00	M1 - 9:00 - Grab #3	5	2	1	1	1							
Water	5/8/18	10:00	M1 - 10:00 - Grab #4	5	2	1	1	1							
Start:	5/7/18	9:00	**M1 - 24 Hour Field Composite**												
End:	5/8/18	10:00		7					1	1	1	4			

Relinquished by: (Signature)	Date: 5/8/18	SEAL INTACT? YES NO NA	Received by: (Signature)	Relinquished by: (Signature)	Date: 5/8/18	SEAL INTACT? YES NO NA	Received by: (Signature)
Representing: STRATIS	Time: 1345		Representing:	Representing:	Time: 1810		Representing: 1810
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:

2.6°C

Pace Analytical
Long Island Laboratory

Sample Condition Upon Re

WO#: 7050985
PM: JSA Due Date: 05/23/18
CLIENT: STRATIS

Client Name: Stratis **Proj**

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No **Seals intact:** ☐ Yes ☐ No

Temperature Blank Present: ☐ Yes ☐ No

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ Ziploc ☐ None ☐ Other

Type of Ice: ☑ Wet ☐ Blue ☐ None

Thermometer Used: TH091 **Correction Factor:** 0

☐ Samples on ice, cooling process has begun

Cooler Temperature (°C): 2.6 **Cooler Temperature Corrected (°C):** 2.6

Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☑ N/A, water sample) **Date and Initials of person examining contents:** JK 5/18/18

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ YES ☐ NO

Did samples orignate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☑ No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	☑Yes	☐No		1.
Chain of Custody Filled Out:	☑Yes	☐No		2.
Chain of Custody Relinquished:	☑Yes	☐No		3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☑Yes	☐No		5.
Short Hold Time Analysis (<72hr):	☑Yes	☐No		6.
Rush Turn Around Time Requested:	☐Yes	☑No		7.
Sufficient Volume: (Triple volume provided for MS/MSD)	☑Yes	☐No		8.
Correct Containers Used:	☑Yes	☐No		9.
-Pace Containers Used:	☑Yes	☐No		
Containers Intact:	☑Yes	☐No		10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☑Yes	☐No		12.
-Includes date/time/ID/Analysis Matrix SL WT OIL				
All containers needing preservation have been checked.	☑Yes	☐No	☐N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot # HC727135				
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NAOH>12 Cyanide)	☑Yes	☐No	☐N/A	Sample #
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis				Initial when completed: / Lot # of added preservative: / Date/Time preservative added:
Samples checked for dechlorination:	☐Yes	☐No	☑N/A	14.
KI starch test strips Lot #				Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #				
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A	15.
Trip Blank Present:	☐Yes	☑No	☐N/A	16.
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A	
Pace Trip Blank Lot # (if applicable):				

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

* PM (Project Manager) review is documented electronically in LIMS.

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

June 27, 2018

Vincent G. Pelusio
Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566

RE: Project: Pelham M1-6/12
Pace Project No.: 7054705

Dear Vincent Pelusio:
Enclosed are the analytical results for sample(s) received by the laboratory on June 12, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Jennifer Aracri
jennifer.aracri@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: Mildred Gonos, Stratis Contracting Corp.
Paul Jeris, Stratis Contracting Corp.
Emile Mclean, Stratis Contracting Corp.

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Melville, NY 11747
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CERTIFICATIONS

Project: Pelham M1-6/12
Pace Project No.: 7054705

Long Island Certification IDs

575 Broad Hollow Rd, Melville, NY 11747
New York Certification #: 10478 Primary Accrediting Body
New Jersey Certification #: NY158
Pennsylvania Certification #: 68-00350
Connecticut Certification #: PH-0435
Maryland Certification #: 208
Rhode Island Certification #: LAO00340
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987

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ANALYTICAL RESULTS

Project: Pelham M1-6/12
Pace Project No.: 7054705

Sample: M1-7:00-GRAB #1 **Lab ID: 7054705001** Collected: 06/12/18 07:00 Received: 06/12/18 18:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	**<5.0**	mg/L	5.0	1		06/20/18 14:01		
2540D Total Suspended Solids	Analytical Method: SM22 2540D							
Total Suspended Solids	**<10.0**	mg/L	10.0	1		06/18/18 16:50		
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B							
pH	**6.9**	Std. Units	0.10	1		06/12/18 22:56		H3,H6
Temperature, Water (C)	**23.7**	deg C	0.10	1		06/12/18 22:56		H3,H6

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Pelham M1-6/12
Pace Project No.: 7054705

Sample: M1-8:00-GRAB #2 **Lab ID: 7054705002** Collected: 06/12/18 08:00 Received: 06/12/18 18:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	**<5.0**	mg/L	5.0	1		06/21/18 14:41		
2540D Total Suspended Solids	Analytical Method: SM22 2540D							
Total Suspended Solids	**<10.0**	mg/L	10.0	1		06/18/18 16:50		
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B							
pH	**6.8**	Std. Units	0.10	1		06/12/18 22:55		H3,H6
Temperature, Water (C)	**23.9**	deg C	0.10	1		06/12/18 22:55		H3,H6

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Pelham M1-6/12
Pace Project No.: 7054705

Sample: M1-9:00-GRAB #3 **Lab ID: 7054705003** Collected: 06/12/18 09:00 Received: 06/12/18 18:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	**<5.0**	mg/L	5.0	1		06/21/18 14:41		
2540D Total Suspended Solids	Analytical Method: SM22 2540D							
Total Suspended Solids	**<10.0**	mg/L	10.0	1		06/18/18 16:50		
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B							
pH	**6.8**	Std. Units	0.10	1		06/12/18 22:55		H3,H6
Temperature, Water (C)	**23.7**	deg C	0.10	1		06/12/18 22:55		H3,H6

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Pelham M1-6/12
Pace Project No.: 7054705

Sample: M1-10:00-GRAB #4 **Lab ID: 7054705004** Collected: 06/12/18 10:00 Received: 06/12/18 18:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	**<5.0**	mg/L	5.0	1		06/21/18 14:41		
2540D Total Suspended Solids	Analytical Method: SM22 2540D							
Total Suspended Solids	**<10.0**	mg/L	10.0	1		06/18/18 16:53		
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B							
pH	**6.9**	Std. Units	0.10	1		06/12/18 23:11		H3,H6
Temperature, Water (C)	**23.9**	deg C	0.10	1		06/12/18 23:11		H3,H6

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(631)694-3040

ANALYTICAL RESULTS

Project: Pelham M1-6/12
Pace Project No.: 7054705

Sample: M1-24 HOUR FIELD COMPOSITE **Lab ID: 7054705005** Collected: 06/12/18 10:00 Received: 06/12/18 18:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
608.3 GCSV PCB LOW	Analytical Method: EPA 608.3 Preparation Method: EPA 608.3							
PCB-1016 (Aroclor 1016)	**<0.065**	ug/L	0.065	1	06/13/18 09:51	06/13/18 20:28	12674-11-2	
PCB-1221 (Aroclor 1221)	**<0.065**	ug/L	0.065	1	06/13/18 09:51	06/13/18 20:28	11104-28-2	
PCB-1232 (Aroclor 1232)	**<0.065**	ug/L	0.065	1	06/13/18 09:51	06/13/18 20:28	11141-16-5	
PCB-1242 (Aroclor 1242)	**<0.065**	ug/L	0.065	1	06/13/18 09:51	06/13/18 20:28	53469-21-9	
PCB-1248 (Aroclor 1248)	**<0.065**	ug/L	0.065	1	06/13/18 09:51	06/13/18 20:28	12672-29-6	
PCB-1254 (Aroclor 1254)	**<0.065**	ug/L	0.065	1	06/13/18 09:51	06/13/18 20:28	11097-69-1	
PCB-1260 (Aroclor 1260)	**<0.065**	ug/L	0.065	1	06/13/18 09:51	06/13/18 20:28	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	50	%	10-149	1	06/13/18 09:51	06/13/18 20:28	877-09-8	
Decachlorobiphenyl (S)	38	%	10-149	1	06/13/18 09:51	06/13/18 20:28	2051-24-3	
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Cadmium	**<2.5**	ug/L	2.5	1	06/15/18 09:57	06/16/18 22:57	7440-43-9	
Chromium	**<10.0**	ug/L	10.0	1	06/15/18 09:57	06/16/18 22:57	7440-47-3	
Copper	**<25.0**	ug/L	25.0	1	06/15/18 09:57	06/16/18 22:57	7440-50-8	
Lead	**<5.0**	ug/L	5.0	1	06/15/18 09:57	06/16/18 22:57	7439-92-1	
Molybdenum	**<20.0**	ug/L	20.0	1	06/15/18 09:57	06/16/18 22:57	7439-98-7	
Nickel	**<40.0**	ug/L	40.0	1	06/15/18 09:57	06/16/18 22:57	7440-02-0	
Silver	**<10.0**	ug/L	10.0	1	06/15/18 09:57	06/16/18 22:57	7440-22-4	
Zinc	**<20.0**	ug/L	20.0	1	06/15/18 09:57	06/16/18 22:57	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	**<0.20**	ug/L	0.20	1	06/18/18 09:58	06/18/18 14:47	7439-97-6	
625.1 MSSV	Analytical Method: EPA 625.1 Preparation Method: EPA 625.1 SF							
Acenaphthene	**<1.0**	ug/L	1.0	1	06/18/18 16:49	06/20/18 21:57	83-32-9	M1
Acenaphthylene	**<1.0**	ug/L	1.0	1	06/18/18 16:49	06/20/18 21:57	208-96-8	M1
Anthracene	**<1.0**	ug/L	1.0	1	06/18/18 16:49	06/20/18 21:57	120-12-7	M1
Benzo(a)anthracene	**<1.0**	ug/L	1.0	1	06/18/18 16:49	06/20/18 21:57	56-55-3	M1
Benzo(a)pyrene	**<1.0**	ug/L	1.0	1	06/18/18 16:49	06/20/18 21:57	50-32-8	M1
Benzo(b)fluoranthene	**<1.0**	ug/L	1.0	1	06/18/18 16:49	06/20/18 21:57	205-99-2	M1
Benzo(g,h,i)perylene	**<1.0**	ug/L	1.0	1	06/18/18 16:49	06/20/18 21:57	191-24-2	
Benzo(k)fluoranthene	**<1.0**	ug/L	1.0	1	06/18/18 16:49	06/20/18 21:57	207-08-9	
4-Bromophenylphenyl ether	**<1.0**	ug/L	1.0	1	06/18/18 16:49	06/20/18 21:57	101-55-3	M1
Butylbenzylphthalate	**<1.0**	ug/L	1.0	1	06/18/18 16:49	06/20/18 21:57	85-68-7	
Carbazole	**<1.0**	ug/L	1.0	1	06/18/18 16:49	06/20/18 21:57	86-74-8	M1
4-Chloro-3-methylphenol	**<1.0**	ug/L	1.0	1	06/18/18 16:49	06/20/18 21:57	59-50-7	
4-Chloroaniline	**<1.0**	ug/L	1.0	1	06/18/18 16:49	06/20/18 21:57	106-47-8	N2
bis(2-Chloroethoxy)methane	**<1.0**	ug/L	1.0	1	06/18/18 16:49	06/20/18 21:57	111-91-1	M1
bis(2-Chloroethyl) ether	**<1.0**	ug/L	1.0	1	06/18/18 16:49	06/20/18 21:57	111-44-4	M1
2-Chloronaphthalene	**<1.0**	ug/L	1.0	1	06/18/18 16:49	06/20/18 21:57	91-58-7	M1
2-Chlorophenol	**<1.0**	ug/L	1.0	1	06/18/18 16:49	06/20/18 21:57	95-57-8	M1
4-Chlorophenylphenyl ether	**<1.0**	ug/L	1.0	1	06/18/18 16:49	06/20/18 21:57	7005-72-3	M1
Chrysene	**<1.0**	ug/L	1.0	1	06/18/18 16:49	06/20/18 21:57	218-01-9	M1
Dibenz(a,h)anthracene	**<1.0**	ug/L	1.0	1	06/18/18 16:49	06/20/18 21:57	53-70-3	
3,3'-Dichlorobenzidine	**<1.0**	ug/L	1.0	1	06/18/18 16:49	06/20/18 21:57	91-94-1	M1

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Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: Pelham M1-6/12
Pace Project No.: 7054705

Sample: M1-24 HOUR FIELD COMPOSITE **Lab ID: 7054705005** Collected: 06/12/18 10:00 Received: 06/12/18 18:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625.1 MSSV	Analytical Method: EPA 625.1 Preparation Method: EPA 625.1 SF							
2,4-Dichlorophenol	**<1.0**	ug/L	1.0	1	06/18/18 16:49	06/20/18 21:57	120-83-2	M1
Diethylphthalate	**<1.0**	ug/L	1.0	1	06/18/18 16:49	06/20/18 21:57	84-66-2	
2,4-Dimethylphenol	**<5.0**	ug/L	5.0	1	06/18/18 16:49	06/20/18 21:57	105-67-9	M1
Dimethylphthalate	**<1.0**	ug/L	1.0	1	06/18/18 16:49	06/20/18 21:57	131-11-3	
Di-n-butylphthalate	**<1.0**	ug/L	1.0	1	06/18/18 16:49	06/20/18 21:57	84-74-2	
4,6-Dinitro-2-methylphenol	**<5.0**	ug/L	5.0	1	06/18/18 16:49	06/20/18 21:57	534-52-1	M1
2,4-Dinitrophenol	**<5.0**	ug/L	5.0	1	06/18/18 16:49	06/20/18 21:57	51-28-5	M1
2,4-Dinitrotoluene	**<1.0**	ug/L	1.0	1	06/18/18 16:49	06/20/18 21:57	121-14-2	M1
2,6-Dinitrotoluene	**<1.0**	ug/L	1.0	1	06/18/18 16:49	06/20/18 21:57	606-20-2	M1
Di-n-octylphthalate	**<1.0**	ug/L	1.0	1	06/18/18 16:49	06/20/18 21:57	117-84-0	
bis(2-Ethylhexyl)phthalate	**1.0**	ug/L	1.0	1	06/18/18 16:49	06/20/18 21:57	117-81-7	
Fluoranthene	**<1.0**	ug/L	1.0	1	06/18/18 16:49	06/20/18 21:57	206-44-0	M1
Fluorene	**<1.0**	ug/L	1.0	1	06/18/18 16:49	06/20/18 21:57	86-73-7	M1
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1	06/18/18 16:49	06/20/18 21:57	87-68-3	M1
Hexachlorobenzene	**<1.0**	ug/L	1.0	1	06/18/18 16:49	06/20/18 21:57	118-74-1	
Hexachlorocyclopentadiene	**<5.0**	ug/L	5.0	1	06/18/18 16:49	06/20/18 21:57	77-47-4	CL,M1
Hexachloroethane	**<1.0**	ug/L	1.0	1	06/18/18 16:49	06/20/18 21:57	67-72-1	M1
Indeno(1,2,3-cd)pyrene	**<1.0**	ug/L	1.0	1	06/18/18 16:49	06/20/18 21:57	193-39-5	
Isophorone	**<1.0**	ug/L	1.0	1	06/18/18 16:49	06/20/18 21:57	78-59-1	M1
2-Methylnaphthalene	**<1.0**	ug/L	1.0	1	06/18/18 16:49	06/20/18 21:57	91-57-6	M1,N2
2-Methylphenol(o-Cresol)	**<1.0**	ug/L	1.0	1	06/18/18 16:49	06/20/18 21:57	95-48-7	M1
3&4-Methylphenol(m&p Cresol)	**11.8**	ug/L	1.0	1	06/18/18 16:49	06/20/18 21:57		M1
Naphthalene	**3.6**	ug/L	1.0	1	06/18/18 16:49	06/20/18 21:57	91-20-3	M1
2-Nitroaniline	**<1.0**	ug/L	1.0	1	06/18/18 16:49	06/20/18 21:57	88-74-4	M1,N2
3-Nitroaniline	**<1.0**	ug/L	1.0	1	06/18/18 16:49	06/20/18 21:57	99-09-2	M1,N2
4-Nitroaniline	**<1.0**	ug/L	1.0	1	06/18/18 16:49	06/20/18 21:57	100-01-6	M1,N2
Nitrobenzene	**<1.0**	ug/L	1.0	1	06/18/18 16:49	06/20/18 21:57	98-95-3	M1
2-Nitrophenol	**<1.0**	ug/L	1.0	1	06/18/18 16:49	06/20/18 21:57	88-75-5	M1
4-Nitrophenol	**<5.0**	ug/L	5.0	1	06/18/18 16:49	06/20/18 21:57	100-02-7	
N-Nitroso-di-n-propylamine	**<1.0**	ug/L	1.0	1	06/18/18 16:49	06/20/18 21:57	621-64-7	M1
N-Nitrosodiphenylamine	**<1.0**	ug/L	1.0	1	06/18/18 16:49	06/20/18 21:57	86-30-6	M1
2,2'-Oxybis(1-chloropropane)	**<1.0**	ug/L	1.0	1	06/18/18 16:49	06/20/18 21:57	108-60-1	L2,M0
Pentachlorophenol	**<5.0**	ug/L	5.0	1	06/18/18 16:49	06/20/18 21:57	87-86-5	M1
Phenanthrene	**<1.0**	ug/L	1.0	1	06/18/18 16:49	06/20/18 21:57	85-01-8	M1
Phenol	**<1.0**	ug/L	1.0	1	06/18/18 16:49	06/20/18 21:57	108-95-2	
Pyrene	**<1.0**	ug/L	1.0	1	06/18/18 16:49	06/20/18 21:57	129-00-0	M1
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1	06/18/18 16:49	06/20/18 21:57	120-82-1	M1
2,4,5-Trichlorophenol	**<1.0**	ug/L	1.0	1	06/18/18 16:49	06/20/18 21:57	95-95-4	M1
2,4,6-Trichlorophenol	**<1.0**	ug/L	1.0	1	06/18/18 16:49	06/20/18 21:57	88-06-2	M1
Surrogates								
2-Fluorophenol (S)	29	%	60-140	1	06/18/18 16:49	06/20/18 21:57	367-12-4	S0
Phenol-d5 (S)	19	%	10-110	1	06/18/18 16:49	06/20/18 21:57	4165-62-2	
Nitrobenzene-d5 (S)	46	%	35-114	1	06/18/18 16:49	06/20/18 21:57	4165-60-0	
2-Fluorobiphenyl (S)	48	%	60-140	1	06/18/18 16:49	06/20/18 21:57	321-60-8	S0
2,4,6-Tribromophenol (S)	78	%	10-123	1	06/18/18 16:49	06/20/18 21:57	118-79-6	
p-Terphenyl-d14 (S)	103	%	33-141	1	06/18/18 16:49	06/20/18 21:57	1718-51-0	

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ANALYTICAL RESULTS

Project: Pelham M1-6/12
Pace Project No.: 7054705

Sample: M1-24 HOUR FIELD COMPOSITE **Lab ID: 7054705005** Collected: 06/12/18 10:00 Received: 06/12/18 18:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625.1 MSSV	Analytical Method: EPA 625.1 Preparation Method: EPA 625.1 SF							
Surrogates								
1,2-Dichlorobenzene-d4 (S)	33	%	16-110	1	06/18/18 16:49	06/20/18 21:57	2199-69-1	
2-Chlorophenol-d4 (S)	47	%	33-110	1	06/18/18 16:49	06/20/18 21:57	93951-73-6	
Chromium, Hexavalent	Analytical Method: SM22 3500-Cr B							
Chromium, Hexavalent	**<0.020**	mg/L	0.020	1		06/12/18 22:35	18540-29-9	
5210B cBOD, 5 day	Analytical Method: SM22 5210B Preparation Method: SM22 5210B							
Carbonaceous BOD, 5 day	**<4.0**	mg/L	4.0	2	06/13/18 15:28	06/18/18 12:25		
Total Nitrogen Calculation	Analytical Method: SM22 4500-N							
Total Nitrogen	**64.8**	mg/L	0.10	1		06/26/18 14:03		
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	**64.5**	mg/L	2.0	20	06/22/18 06:20	06/22/18 14:10	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrate-Nitrite (as N)	**0.32**	mg/L	0.050	1		06/12/18 22:36	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**<0.050**	mg/L	0.050	1		06/12/18 19:54	14797-65-0	
4500 Chloride	Analytical Method: SM22 4500-Cl-E							
Chloride	**<100**	mg/L	100	50		06/20/18 12:40	16887-00-6	

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ANALYTICAL RESULTS

Project: Pelham M1-6/12
Pace Project No.: 7054705

Sample: M1-GRAB COMPOSITE **Lab ID: 7054705006** Collected: 06/12/18 10:00 Received: 06/12/18 18:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624.1 Volatile Organics	Analytical Method: EPA 624.1							
Acetone	**19.9**	ug/L	5.0	1		06/14/18 11:48	67-64-1	M1
Benzene	**<1.0**	ug/L	1.0	1		06/14/18 11:48	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		06/14/18 11:48	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		06/14/18 11:48	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		06/14/18 11:48	74-83-9	
2-Butanone (MEK)	**5.4**	ug/L	5.0	1		06/14/18 11:48	78-93-3	N2
Carbon disulfide	**<1.0**	ug/L	1.0	1		06/14/18 11:48	75-15-0	N2
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		06/14/18 11:48	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		06/14/18 11:48	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		06/14/18 11:48	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		06/14/18 11:48	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		06/14/18 11:48	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		06/14/18 11:48	124-48-1	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/14/18 11:48	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		06/14/18 11:48	541-73-1	
1,4-Dichlorobenzene	**1.6**	ug/L	1.0	1		06/14/18 11:48	106-46-7	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		06/14/18 11:48	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		06/14/18 11:48	107-06-2	
1,2-Dichloroethene (Total)	**<1.0**	ug/L	1.0	1		06/14/18 11:48	540-59-0	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		06/14/18 11:48	75-35-4	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		06/14/18 11:48	78-87-5	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		06/14/18 11:48	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		06/14/18 11:48	10061-02-6	
Ethylbenzene	**<1.0**	ug/L	1.0	1		06/14/18 11:48	100-41-4	
2-Hexanone	**<5.0**	ug/L	5.0	1		06/14/18 11:48	591-78-6	N2
Methylene Chloride	**<1.0**	ug/L	1.0	1		06/14/18 11:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		06/14/18 11:48	108-10-1	N2
Methyl-tert-butyl ether	**<1.0**	ug/L	1.0	1		06/14/18 11:48	1634-04-4	
Styrene	**<1.0**	ug/L	1.0	1		06/14/18 11:48	100-42-5	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		06/14/18 11:48	79-34-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		06/14/18 11:48	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		06/14/18 11:48	108-88-3	M1
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		06/14/18 11:48	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		06/14/18 11:48	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	1		06/14/18 11:48	79-01-6	M1
Vinyl chloride	**<1.0**	ug/L	1.0	1		06/14/18 11:48	75-01-4	
Xylene (Total)	**<1.0**	ug/L	1.0	1		06/14/18 11:48	1330-20-7	
m&p-Xylene	**<1.0**	ug/L	1.0	1		06/14/18 11:48	179601-23-1	
o-Xylene	**<1.0**	ug/L	1.0	1		06/14/18 11:48	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	111	%	79-124	1		06/14/18 11:48	460-00-4	
Toluene-d8 (S)	95	%	69-127	1		06/14/18 11:48	2037-26-5	
1,2-Dichloroethane-d4 (S)	101	%	68-153	1		06/14/18 11:48	17060-07-0	
Preservation pH	**2.0**			1		06/14/18 11:48		
SM 4500 CNE Cyanide, Total	Analytical Method: SM22 4500-CN-E Preparation Method: SM20/22 4500-CN-C							
Cyanide	**<10.0**	ug/L	10.0	1	06/20/18 09:21	06/20/18 14:07	57-12-5	

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ANALYTICAL RESULTS

Project: Pelham M1-6/12
Pace Project No.: 7054705

Sample: M1-GRAB COMPOSITE **Lab ID: 7054705006** Collected: 06/12/18 10:00 Received: 06/12/18 18:55 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500CNG Cyanide, Amenable	Analytical Method: SM22 4500-CN-E Preparation Method: SM22 4500-CN-G							
Amenable Cyanide	**<10.0**	ug/L	10.0	1	06/21/18 10:32	06/21/18 15:23	57-12-5	

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QUALITY CONTROL DATA

Project: Pelham M1-6/12
Pace Project No.: 7054705

QC Batch: 71863 Analysis Method: EPA 245.1
QC Batch Method: EPA 245.1 Analysis Description: 245.1 Mercury
Associated Lab Samples: 7054705005

METHOD BLANK: 329894 Matrix: Water
Associated Lab Samples: 7054705005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.20	0.20	06/18/18 14:37	

LABORATORY CONTROL SAMPLE: 329895

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	1	1.1	111	85-115	

MATRIX SPIKE SAMPLE: 329896

Parameter	Units	30255927001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	ND	1	1.2	118	70-130	

SAMPLE DUPLICATE: 329897

Parameter	Units	30255927001 Result	Dup Result	RPD	Qualifiers
Mercury	ug/L	ND	<0.20		

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QUALITY CONTROL DATA

Project: Pelham M1-6/12
Pace Project No.: 7054705

QC Batch: 71713
QC Batch Method: EPA 200.7
Analysis Method: EPA 200.7
Analysis Description: 200.7 Metals, Total
Associated Lab Samples: 7054705005

METHOD BLANK: 329046
Matrix: Water
Associated Lab Samples: 7054705005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cadmium	ug/L	<2.5	2.5	06/16/18 22:09	
Chromium	ug/L	<10.0	10.0	06/16/18 22:09	
Copper	ug/L	<25.0	25.0	06/16/18 22:09	
Lead	ug/L	<5.0	5.0	06/16/18 22:09	
Molybdenum	ug/L	<20.0	20.0	06/16/18 22:09	
Nickel	ug/L	<40.0	40.0	06/16/18 22:09	
Silver	ug/L	<10.0	10.0	06/16/18 22:09	
Zinc	ug/L	<20.0	20.0	06/16/18 22:09	

LABORATORY CONTROL SAMPLE: 329047

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cadmium	ug/L	50	49.2	98	85-115	
Chromium	ug/L	250	243	97	85-115	
Copper	ug/L	250	243	97	85-115	
Lead	ug/L	500	489	98	85-115	
Molybdenum	ug/L	500	487	97	85-115	
Nickel	ug/L	250	245	98	85-115	
Silver	ug/L	250	235	94	85-115	
Zinc	ug/L	1000	958	96	85-115	

MATRIX SPIKE SAMPLE: 329049

Parameter	Units	7054793013 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cadmium	ug/L	<2.5	50	47.3	95	70-130	
Chromium	ug/L	<10.0	250	238	95	70-130	
Copper	ug/L	<25.0	250	263	97	70-130	
Lead	ug/L	<5.0	500	480	96	70-130	
Molybdenum	ug/L	<20.0	500	463	93	70-130	
Nickel	ug/L	<40.0	250	241	96	70-130	
Silver	ug/L	<10.0	250	229	91	70-130	
Zinc	ug/L	88.0	1000	1030	94	70-130	

MATRIX SPIKE SAMPLE: 329051

Parameter	Units	7054793014 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cadmium	ug/L	<2.5	50	49.6	99	70-130	

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QUALITY CONTROL DATA

Project: Pelham M1-6/12
Pace Project No.: 7054705

MATRIX SPIKE SAMPLE: 329051

Parameter	Units	7054793014 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chromium	ug/L	<10.0	250	254	102	70-130	
Copper	ug/L	<25.0	250	282	105	70-130	
Lead	ug/L	<5.0	500	519	103	70-130	
Molybdenum	ug/L	<20.0	500	495	99	70-130	
Nickel	ug/L	<40.0	250	254	101	70-130	
Silver	ug/L	<10.0	250	249	99	70-130	
Zinc	ug/L	54.6	1000	1060	100	70-130	

SAMPLE DUPLICATE: 329048

Parameter	Units	7054793013 Result	Dup Result	RPD	Qualifiers
Cadmium	ug/L	<2.5	<2.5		
Chromium	ug/L	<10.0	<10.0		
Copper	ug/L	<25.0	<25.0		
Lead	ug/L	<5.0	<5.0		
Molybdenum	ug/L	<20.0	<20.0		
Nickel	ug/L	<40.0	<40.0		
Silver	ug/L	<10.0	<10.0		
Zinc	ug/L	88.0	90.2	2	

SAMPLE DUPLICATE: 329050

Parameter	Units	7054793014 Result	Dup Result	RPD	Qualifiers
Cadmium	ug/L	<2.5	<2.5		
Chromium	ug/L	<10.0	<10.0		
Copper	ug/L	<25.0	<25.0		
Lead	ug/L	<5.0	<5.0		
Molybdenum	ug/L	<20.0	<20.0		
Nickel	ug/L	<40.0	<40.0		
Silver	ug/L	<10.0	<10.0		
Zinc	ug/L	54.6	57.8	6	

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QUALITY CONTROL DATA

Project: Pelham M1-6/12
Pace Project No.: 7054705

QC Batch: 71492
QC Batch Method: EPA 624.1
Analysis Method: EPA 624.1
Analysis Description: 624.1 MSV
Associated Lab Samples: 7054705006

METHOD BLANK: 327923
Matrix: Water
Associated Lab Samples: 7054705006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	06/14/18 08:59	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	06/14/18 08:59	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	06/14/18 08:59	
1,1-Dichloroethane	ug/L	<1.0	1.0	06/14/18 08:59	
1,1-Dichloroethene	ug/L	<1.0	1.0	06/14/18 08:59	
1,2-Dichlorobenzene	ug/L	<1.0	1.0	06/14/18 08:59	
1,2-Dichloroethane	ug/L	<1.0	1.0	06/14/18 08:59	
1,2-Dichloroethene (Total)	ug/L	<1.0	1.0	06/14/18 08:59	
1,2-Dichloropropane	ug/L	<1.0	1.0	06/14/18 08:59	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	06/14/18 08:59	
1,4-Dichlorobenzene	ug/L	<1.0	1.0	06/14/18 08:59	
2-Butanone (MEK)	ug/L	<5.0	5.0	06/14/18 08:59	N2
2-Hexanone	ug/L	<5.0	5.0	06/14/18 08:59	N2
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	06/14/18 08:59	N2
Acetone	ug/L	<5.0	5.0	06/14/18 08:59	
Benzene	ug/L	<1.0	1.0	06/14/18 08:59	
Bromodichloromethane	ug/L	<1.0	1.0	06/14/18 08:59	
Bromoform	ug/L	<1.0	1.0	06/14/18 08:59	
Bromomethane	ug/L	<1.0	1.0	06/14/18 08:59	
Carbon disulfide	ug/L	<1.0	1.0	06/14/18 08:59	N2
Carbon tetrachloride	ug/L	<1.0	1.0	06/14/18 08:59	
Chlorobenzene	ug/L	<1.0	1.0	06/14/18 08:59	
Chloroethane	ug/L	<1.0	1.0	06/14/18 08:59	
Chloroform	ug/L	<1.0	1.0	06/14/18 08:59	
Chloromethane	ug/L	<1.0	1.0	06/14/18 08:59	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	06/14/18 08:59	
Dibromochloromethane	ug/L	<1.0	1.0	06/14/18 08:59	
Ethylbenzene	ug/L	<1.0	1.0	06/14/18 08:59	
m&p-Xylene	ug/L	<1.0	1.0	06/14/18 08:59	
Methyl-tert-butyl ether	ug/L	<1.0	1.0	06/14/18 08:59	
Methylene Chloride	ug/L	<1.0	1.0	06/14/18 08:59	
o-Xylene	ug/L	<1.0	1.0	06/14/18 08:59	
Styrene	ug/L	<1.0	1.0	06/14/18 08:59	
Tetrachloroethene	ug/L	<1.0	1.0	06/14/18 08:59	
Toluene	ug/L	<1.0	1.0	06/14/18 08:59	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	06/14/18 08:59	
Trichloroethene	ug/L	<1.0	1.0	06/14/18 08:59	
Vinyl chloride	ug/L	<1.0	1.0	06/14/18 08:59	
Xylene (Total)	ug/L	<1.0	1.0	06/14/18 08:59	
1,2-Dichloroethane-d4 (S)	%	99	68-153	06/14/18 08:59	
4-Bromofluorobenzene (S)	%	102	79-124	06/14/18 08:59	

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QUALITY CONTROL DATA

Project: Pelham M1-6/12
Pace Project No.: 7054705

METHOD BLANK: 327923 Matrix: Water
Associated Lab Samples: 7054705006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene-d8 (S)	%	94	69-127	06/14/18 08:59	

LABORATORY CONTROL SAMPLE: 327924

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	22.9	114	52-162	
1,1,2,2-Tetrachloroethane	ug/L	20	22.0	110	46-157	
1,1,2-Trichloroethane	ug/L	20	22.0	110	52-150	
1,1-Dichloroethane	ug/L	20	22.3	111	59-155	
1,1-Dichloroethene	ug/L	20	24.9	124	10-234	
1,2-Dichlorobenzene	ug/L	20	20.6	103	18-190	
1,2-Dichloroethane	ug/L	20	21.5	107	49-155	
1,2-Dichloroethene (Total)	ug/L	40	46.1	115	40-160	
1,2-Dichloropropane	ug/L	20	21.5	107	10-210	
1,3-Dichlorobenzene	ug/L	20	20.6	103	59-156	
1,4-Dichlorobenzene	ug/L	20	20.8	104	18-190	
2-Butanone (MEK)	ug/L	20	19.5	98	40-160	N2
2-Hexanone	ug/L	20	21.3	107	40-160	N2
4-Methyl-2-pentanone (MIBK)	ug/L	20	20.7	104	40-160	N2
Acetone	ug/L	20	25.2	126	40-160	
Benzene	ug/L	20	23.2	116	65-135	
Bromodichloromethane	ug/L	20	21.1	106	35-155	
Bromoform	ug/L	20	19.4	97	45-169	
Bromomethane	ug/L	20	21.8	109	10-242	
Carbon disulfide	ug/L	20	23.1	116	40-160	N2
Carbon tetrachloride	ug/L	20	22.3	112	70-140	
Chlorobenzene	ug/L	20	21.2	106	37-160	
Chloroethane	ug/L	20	21.8	109	14-230	
Chloroform	ug/L	20	22.2	111	51-138	
Chloromethane	ug/L	20	21.8	109	10-273	
cis-1,3-Dichloropropene	ug/L	20	20.2	101	10-227	
Dibromochloromethane	ug/L	20	20.2	101	53-149	
Ethylbenzene	ug/L	20	21.3	106	37-162	
m&p-Xylene	ug/L	40	41.7	104	40-160	
Methyl-tert-butyl ether	ug/L	20	21.7	109	40-160	
Methylene Chloride	ug/L	20	24.0	120	10-221	
o-Xylene	ug/L	20	20.7	103	40-160	
Styrene	ug/L	20	20.7	104	40-160	
Tetrachloroethene	ug/L	20	22.9	115	64-148	
Toluene	ug/L	20	21.7	109	47-150	
trans-1,3-Dichloropropene	ug/L	20	19.2	96	17-183	
Trichloroethene	ug/L	20	23.5	117	70-157	
Vinyl chloride	ug/L	20	22.1	110	10-251	
Xylene (Total)	ug/L	60	62.4	104	40-160	

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(631)694-3040

QUALITY CONTROL DATA

Project: Pelham M1-6/12
Pace Project No.: 7054705

LABORATORY CONTROL SAMPLE: 327924

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane-d4 (S)	%			102	68-153	
4-Bromofluorobenzene (S)	%			102	79-124	
Toluene-d8 (S)	%			95	69-127	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 328673 328674

Parameter	Units	7054705006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,1,1-Trichloroethane	ug/L	<1.0	20	20	23.8	25.5	119	127	70-130	7	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	20	20	20.9	24.1	105	120	40-160	14	
1,1,2-Trichloroethane	ug/L	<1.0	20	20	21.7	23.6	108	118	70-130	9	
1,1-Dichloroethane	ug/L	<1.0	20	20	23.9	25.6	120	128	70-130	7	
1,1-Dichloroethene	ug/L	<1.0	20	20	28.2	29.0	141	145	50-150	3	
1,2-Dichlorobenzene	ug/L	<1.0	20	20	21.2	23.5	106	117	62-135	10	
1,2-Dichloroethane	ug/L	<1.0	20	20	21.9	23.2	110	116	70-130	6	
1,2-Dichloroethene (Total)	ug/L	<1.0	40	40	49.0	51.0	123	128	40-160	4	
1,2-Dichloropropane	ug/L	<1.0	20	20	22.8	25.3	114	127	35-165	11	
1,3-Dichlorobenzene	ug/L	<1.0	20	20	21.8	23.5	109	117	70-130	8	
1,4-Dichlorobenzene	ug/L	1.6	20	20	22.8	24.6	106	115	65-135	8	
2-Butanone (MEK)	ug/L	5.4	20	20	29.1	30.9	119	128	40-160	6	N2
2-Hexanone	ug/L	<5.0	20	20	29.4	31.4	147	157	40-160	7	N2
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	20	20	23.1	25.2	116	126	40-160	8	N2
Acetone	ug/L	19.9	20	20	61.8	64.5	210	223	40-160	4	M1
Benzene	ug/L	<1.0	20	20	24.5	25.8	123	129	37-151	5	
Bromodichloromethane	ug/L	<1.0	20	20	22.1	23.8	111	119	65-135	8	
Bromoform	ug/L	<1.0	20	20	17.9	21.2	90	106	70-130	17	
Bromomethane	ug/L	<1.0	20	20	24.1	25.7	121	128	15-185	6	
Carbon disulfide	ug/L	<1.0	20	20	26.8	27.6	134	138	40-160	3	N2
Carbon tetrachloride	ug/L	<1.0	20	20	23.4	25.0	117	125	70-130	7	
Chlorobenzene	ug/L	<1.0	20	20	22.5	23.7	113	118	65-135	5	
Chloroethane	ug/L	<1.0	20	20	25.1	26.4	125	132	40-160	5	
Chloroform	ug/L	<1.0	20	20	23.2	24.2	116	121	70-135	4	
Chloromethane	ug/L	<1.0	20	20	24.5	26.8	122	134	10-205	9	
cis-1,3-Dichloropropene	ug/L	<1.0	20	20	21.2	23.1	106	115	25-175	8	
Dibromochloromethane	ug/L	<1.0	20	20	19.7	21.6	99	108	70-135	9	
Ethylbenzene	ug/L	<1.0	20	20	22.4	23.8	112	119	40-160	6	
m&p-Xylene	ug/L	<1.0	40	40	44.5	47.5	111	119	40-160	6	
Methyl-tert-butyl ether	ug/L	<1.0	20	20	22.7	23.9	113	120	40-160	5	
Methylene Chloride	ug/L	<1.0	20	20	26.0	27.2	130	136	40-160	4	
o-Xylene	ug/L	<1.0	20	20	21.6	24.1	108	121	40-160	11	
Styrene	ug/L	<1.0	20	20	21.1	24.1	106	120	40-160	13	
Tetrachloroethene	ug/L	<1.0	20	20	24.1	25.9	121	129	70-130	7	
Toluene	ug/L	<1.0	20	20	24.4	26.1	122	131	70-130	7	M1
trans-1,3-Dichloropropene	ug/L	<1.0	20	20	19.9	21.6	100	108	50-150	8	
Trichloroethene	ug/L	<1.0	20	20	25.6	27.2	128	136	65-135	6	M1

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QUALITY CONTROL DATA

Project: Pelham M1-6/12
Pace Project No.: 7054705

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 328673 328674

Parameter	Units	7054705006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Vinyl chloride	ug/L	<1.0	20	20	25.3	26.9	126	134	40-160	6	
Xylene (Total)	ug/L	<1.0	60	60	66.1	71.6	110	119	40-160	8	
1,2-Dichloroethane-d4 (S)	%						103	104	68-153		
4-Bromofluorobenzene (S)	%						101	108	79-124		
Toluene-d8 (S)	%						98	98	69-127		
Preservation pH		2.0			2.0	2.0				0	

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QUALITY CONTROL DATA

Project: Pelham M1-6/12
Pace Project No.: 7054705

QC Batch: 71305 Analysis Method: EPA 608.3
QC Batch Method: EPA 608.3 Analysis Description: 608.3 GCSV PCB
Associated Lab Samples: 7054705005

METHOD BLANK: 327070 Matrix: Water
Associated Lab Samples: 7054705005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	<0.065	0.065	06/13/18 18:32	
PCB-1221 (Aroclor 1221)	ug/L	<0.065	0.065	06/13/18 18:32	
PCB-1232 (Aroclor 1232)	ug/L	<0.065	0.065	06/13/18 18:32	
PCB-1242 (Aroclor 1242)	ug/L	<0.065	0.065	06/13/18 18:32	
PCB-1248 (Aroclor 1248)	ug/L	<0.065	0.065	06/13/18 18:32	
PCB-1254 (Aroclor 1254)	ug/L	<0.065	0.065	06/13/18 18:32	
PCB-1260 (Aroclor 1260)	ug/L	<0.065	0.065	06/13/18 18:32	
Decachlorobiphenyl (S)	%	50	10-149	06/13/18 18:32	
Tetrachloro-m-xylene (S)	%	46	10-149	06/13/18 18:32	

LABORATORY CONTROL SAMPLE: 327071

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	.5	0.45	90	42-147	
PCB-1260 (Aroclor 1260)	ug/L	.5	0.49	98	51-144	
Decachlorobiphenyl (S)	%			38	10-149	
Tetrachloro-m-xylene (S)	%			58	16-128	

MATRIX SPIKE SAMPLE: 329692

Parameter	Units	7054690005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	<0.065	.5	0.21	41	53-126	M1
PCB-1221 (Aroclor 1221)	ug/L	<0.065		<0.065			
PCB-1232 (Aroclor 1232)	ug/L	<0.065		<0.065			
PCB-1242 (Aroclor 1242)	ug/L	<0.065		<0.065			
PCB-1248 (Aroclor 1248)	ug/L	<0.065		<0.065			
PCB-1254 (Aroclor 1254)	ug/L	<0.065		<0.065			
PCB-1260 (Aroclor 1260)	ug/L	<0.065	.5	0.18	37	51-144	M1
Decachlorobiphenyl (S)	%				12	10-149	
Tetrachloro-m-xylene (S)	%				39	10-149	

SAMPLE DUPLICATE: 328440

Parameter	Units	7054705005 Result	Dup Result	RPD	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	<0.065	<0.065		
PCB-1221 (Aroclor 1221)	ug/L	<0.065	<0.065		
PCB-1232 (Aroclor 1232)	ug/L	<0.065	<0.065		

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QUALITY CONTROL DATA

Project: Pelham M1-6/12
Pace Project No.: 7054705

SAMPLE DUPLICATE: 328440

Parameter	Units	7054705005 Result	Dup Result	RPD	Qualifiers
PCB-1242 (Aroclor 1242)	ug/L	<0.065	<0.065		
PCB-1248 (Aroclor 1248)	ug/L	<0.065	<0.065		
PCB-1254 (Aroclor 1254)	ug/L	<0.065	<0.065		
PCB-1260 (Aroclor 1260)	ug/L	<0.065	<0.065		
Decachlorobiphenyl (S)	%	38	32	17	
Tetrachloro-m-xylene (S)	%	50	42	18	

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QUALITY CONTROL DATA

Project: Pelham M1-6/12
Pace Project No.: 7054705

QC Batch: 71924
QC Batch Method: EPA 625.1 SF
Analysis Method: EPA 625.1
Analysis Description: 625.1 MSSV
Associated Lab Samples: 7054705005

METHOD BLANK: 330076
Matrix: Water
Associated Lab Samples: 7054705005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	<1.0	1.0	06/20/18 13:09	
2,2'-Oxybis(1-chloropropane)	ug/L	<1.0	1.0	06/20/18 13:09	
2,4,5-Trichlorophenol	ug/L	<1.0	1.0	06/20/18 13:09	
2,4,6-Trichlorophenol	ug/L	<1.0	1.0	06/20/18 13:09	
2,4-Dichlorophenol	ug/L	<1.0	1.0	06/20/18 13:09	
2,4-Dimethylphenol	ug/L	<5.0	5.0	06/20/18 13:09	
2,4-Dinitrophenol	ug/L	<5.0	5.0	06/20/18 13:09	
2,4-Dinitrotoluene	ug/L	<1.0	1.0	06/20/18 13:09	
2,6-Dinitrotoluene	ug/L	<1.0	1.0	06/20/18 13:09	
2-Chloronaphthalene	ug/L	<1.0	1.0	06/20/18 13:09	
2-Chlorophenol	ug/L	<1.0	1.0	06/20/18 13:09	
2-Methylnaphthalene	ug/L	<1.0	1.0	06/20/18 13:09	N2
2-Methylphenol(o-Cresol)	ug/L	<1.0	1.0	06/20/18 13:09	
2-Nitroaniline	ug/L	<1.0	1.0	06/20/18 13:09	N2
2-Nitrophenol	ug/L	<1.0	1.0	06/20/18 13:09	
3&4-Methylphenol(m&p Cresol)	ug/L	<1.0	1.0	06/20/18 13:09	
3,3'-Dichlorobenzidine	ug/L	<1.0	1.0	06/20/18 13:09	
3-Nitroaniline	ug/L	<1.0	1.0	06/20/18 13:09	N2
4,6-Dinitro-2-methylphenol	ug/L	<5.0	5.0	06/20/18 13:09	
4-Bromophenylphenyl ether	ug/L	<1.0	1.0	06/20/18 13:09	
4-Chloro-3-methylphenol	ug/L	<1.0	1.0	06/20/18 13:09	
4-Chloroaniline	ug/L	<1.0	1.0	06/20/18 13:09	N2
4-Chlorophenylphenyl ether	ug/L	<1.0	1.0	06/20/18 13:09	
4-Nitroaniline	ug/L	<1.0	1.0	06/20/18 13:09	N2
4-Nitrophenol	ug/L	<5.0	5.0	06/20/18 13:09	
Acenaphthene	ug/L	<1.0	1.0	06/20/18 13:09	
Acenaphthylene	ug/L	<1.0	1.0	06/20/18 13:09	
Anthracene	ug/L	<1.0	1.0	06/20/18 13:09	
Benzo(a)anthracene	ug/L	<1.0	1.0	06/20/18 13:09	
Benzo(a)pyrene	ug/L	<1.0	1.0	06/20/18 13:09	
Benzo(b)fluoranthene	ug/L	<1.0	1.0	06/20/18 13:09	
Benzo(g,h,i)perylene	ug/L	<1.0	1.0	06/20/18 13:09	
Benzo(k)fluoranthene	ug/L	<1.0	1.0	06/20/18 13:09	
bis(2-Chloroethoxy)methane	ug/L	<1.0	1.0	06/20/18 13:09	
bis(2-Chloroethyl) ether	ug/L	<1.0	1.0	06/20/18 13:09	
bis(2-Ethylhexyl)phthalate	ug/L	<1.0	1.0	06/20/18 13:09	
Butylbenzylphthalate	ug/L	<1.0	1.0	06/20/18 13:09	
Carbazole	ug/L	<1.0	1.0	06/20/18 13:09	
Chrysene	ug/L	<1.0	1.0	06/20/18 13:09	
Di-n-butylphthalate	ug/L	<1.0	1.0	06/20/18 13:09	
Di-n-octylphthalate	ug/L	<1.0	1.0	06/20/18 13:09	

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QUALITY CONTROL DATA

Project: Pelham M1-6/12
Pace Project No.: 7054705

METHOD BLANK: 330076 Matrix: Water
Associated Lab Samples: 7054705005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibenz(a,h)anthracene	ug/L	<1.0	1.0	06/20/18 13:09	
Diethylphthalate	ug/L	<1.0	1.0	06/20/18 13:09	
Dimethylphthalate	ug/L	<1.0	1.0	06/20/18 13:09	
Fluoranthene	ug/L	<1.0	1.0	06/20/18 13:09	
Fluorene	ug/L	<1.0	1.0	06/20/18 13:09	
Hexachloro-1,3-butadiene	ug/L	<1.0	1.0	06/20/18 13:09	
Hexachlorobenzene	ug/L	<1.0	1.0	06/20/18 13:09	
Hexachlorocyclopentadiene	ug/L	<5.0	5.0	06/20/18 13:09	CL
Hexachloroethane	ug/L	<1.0	1.0	06/20/18 13:09	
Indeno(1,2,3-cd)pyrene	ug/L	<1.0	1.0	06/20/18 13:09	
Isophorone	ug/L	<1.0	1.0	06/20/18 13:09	
N-Nitroso-di-n-propylamine	ug/L	<1.0	1.0	06/20/18 13:09	
N-Nitrosodiphenylamine	ug/L	<1.0	1.0	06/20/18 13:09	
Naphthalene	ug/L	<1.0	1.0	06/20/18 13:09	
Nitrobenzene	ug/L	<1.0	1.0	06/20/18 13:09	
Pentachlorophenol	ug/L	<5.0	5.0	06/20/18 13:09	
Phenanthrene	ug/L	<1.0	1.0	06/20/18 13:09	
Phenol	ug/L	<1.0	1.0	06/20/18 13:09	
Pyrene	ug/L	<1.0	1.0	06/20/18 13:09	
1,2-Dichlorobenzene-d4 (S)	%	34	16-110	06/20/18 13:09	
2,4,6-Tribromophenol (S)	%	71	10-123	06/20/18 13:09	
2-Chlorophenol-d4 (S)	%	43	33-110	06/20/18 13:09	
2-Fluorobiphenyl (S)	%	47	60-140	06/20/18 13:09	S0
2-Fluorophenol (S)	%	30	60-140	06/20/18 13:09	S0
Nitrobenzene-d5 (S)	%	45	35-114	06/20/18 13:09	
p-Terphenyl-d14 (S)	%	112	33-141	06/20/18 13:09	
Phenol-d5 (S)	%	20	10-110	06/20/18 13:09	

LABORATORY CONTROL SAMPLE: 330077

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	34.2	68	57-130	
2,2'-Oxybis(1-chloropropane)	ug/L	50	23.0	46	63-139	L2
2,4,5-Trichlorophenol	ug/L	50	53.4	107	41-121	
2,4,6-Trichlorophenol	ug/L	50	49.0	98	52-129	
2,4-Dichlorophenol	ug/L	50	38.8	78	53-122	
2,4-Dimethylphenol	ug/L	50	31.0	62	42-120	
2,4-Dinitrophenol	ug/L	50	31.3	63	10-173	
2,4-Dinitrotoluene	ug/L	50	53.6	107	48-127	
2,6-Dinitrotoluene	ug/L	50	55.6	111	68-137	
2-Chloronaphthalene	ug/L	50	44.6	89	65-120	
2-Chlorophenol	ug/L	50	29.6	59	36-120	
2-Methylnaphthalene	ug/L	50	32.6	65	25-98	N2
2-Methylphenol(o-Cresol)	ug/L	50	26.3	53	41-131	

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QUALITY CONTROL DATA

Project: Pelham M1-6/12
Pace Project No.: 7054705

LABORATORY CONTROL SAMPLE: 330077

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Nitroaniline	ug/L	50	37.7	75	55-115	N2
2-Nitrophenol	ug/L	50	36.0	72	45-167	
3&4-Methylphenol(m&p Cresol)	ug/L	50	25.3	51	43-119	
3,3'-Dichlorobenzidine	ug/L	50	48.2	96	8-213	
3-Nitroaniline	ug/L	50	47.5	95	51-123	N2
4,6-Dinitro-2-methylphenol	ug/L	50	64.4	129	53-130	CH
4-Bromophenylphenyl ether	ug/L	50	46.3	93	65-120	
4-Chloro-3-methylphenol	ug/L	50	40.9	82	41-128	
4-Chloroaniline	ug/L	50	35.2	70	55-102	N2
4-Chlorophenylphenyl ether	ug/L	50	50.8	102	38-145	
4-Nitroaniline	ug/L	50	54.4	109	63-116	N2
4-Nitrophenol	ug/L	50	17.3	35	13-129	
Acenaphthene	ug/L	50	43.8	88	60-132	
Acenaphthylene	ug/L	50	44.8	90	54-126	
Anthracene	ug/L	50	43.7	87	43-120	
Benzo(a)anthracene	ug/L	50	45.3	91	42-133	
Benzo(a)pyrene	ug/L	50	41.1	82	32-148	
Benzo(b)fluoranthene	ug/L	50	39.3	79	42-140	
Benzo(g,h,i)perylene	ug/L	50	40.3	81	10-195	
Benzo(k)fluoranthene	ug/L	50	39.6	79	25-146	
bis(2-Chloroethoxy)methane	ug/L	50	27.5	55	49-165	
bis(2-Chloroethyl) ether	ug/L	50	26.2	52	43-126	
bis(2-Ethylhexyl)phthalate	ug/L	50	44.9	90	29-137	
Butylbenzylphthalate	ug/L	50	42.8	86	10-140	
Carbazole	ug/L	50	45.0	90	49-116	
Chrysene	ug/L	50	44.7	89	44-140	
Di-n-butylphthalate	ug/L	50	43.9	88	8-120	
Di-n-octylphthalate	ug/L	50	40.4	81	19-132	
Dibenz(a,h)anthracene	ug/L	50	36.8	74	10-200	
Diethylphthalate	ug/L	50	52.4	105	10-120	
Dimethylphthalate	ug/L	50	52.5	105	10-120	
Fluoranthene	ug/L	50	45.0	90	43-121	
Fluorene	ug/L	50	48.1	96	70-120	
Hexachloro-1,3-butadiene	ug/L	50	35.3	71	38-120	
Hexachlorobenzene	ug/L	50	48.5	97	8-142	
Hexachlorocyclopentadiene	ug/L	50	27.9	56	13-119	CL
Hexachloroethane	ug/L	50	27.6	55	55-120	
Indeno(1,2,3-cd)pyrene	ug/L	50	41.3	83	10-151	
Isophorone	ug/L	50	33.4	67	47-180	
N-Nitroso-di-n-propylamine	ug/L	50	29.8	60	14-198	
N-Nitrosodiphenylamine	ug/L	50	44.9	90	27-135	
Naphthalene	ug/L	50	31.8	64	36-120	
Nitrobenzene	ug/L	50	28.4	57	54-158	
Pentachlorophenol	ug/L	50	27.7	55	38-152	
Phenanthrene	ug/L	50	44.5	89	65-120	
Phenol	ug/L	50	16.9	34	17-120	
Pyrene	ug/L	50	41.7	83	70-120	

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(631)694-3040

QUALITY CONTROL DATA

Project: Pelham M1-6/12
Pace Project No.: 7054705

LABORATORY CONTROL SAMPLE: 330077

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene-d4 (S)	%			32	16-110	
2,4,6-Tribromophenol (S)	%			84	10-123	
2-Chlorophenol-d4 (S)	%			43	33-110	
2-Fluorobiphenyl (S)	%			52	60-140	S0
2-Fluorophenol (S)	%			29	60-140	S0
Nitrobenzene-d5 (S)	%			44	35-114	
p-Terphenyl-d14 (S)	%			108	33-141	
Phenol-d5 (S)	%			21	10-110	

MATRIX SPIKE SAMPLE: 330136

Parameter	Units	7054705005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	<1.0	50	3.3	7	44-142	M1
2,2'-Oxybis(1-chloropropane)	ug/L	<1.0	50	2.5	5	36-166	M0
2,4,5-Trichlorophenol	ug/L	<1.0	50	5.8	12	41-121	M1
2,4,6-Trichlorophenol	ug/L	<1.0	50	5.0	10	37-144	M1
2,4-Dichlorophenol	ug/L	<1.0	50	6.1	12	39-135	M1
2,4-Dimethylphenol	ug/L	<5.0	50	8.9	18	32-120	M1
2,4-Dinitrophenol	ug/L	<5.0	50	<5.0	0	10-191	M1
2,4-Dinitrotoluene	ug/L	<1.0	50	4.5	9	39-139	M1
2,6-Dinitrotoluene	ug/L	<1.0	50	4.6	9	50-158	M1
2-Chloronaphthalene	ug/L	<1.0	50	4.1	8	60-120	M1
2-Chlorophenol	ug/L	<1.0	50	9.2	18	22-134	M1
2-Methylnaphthalene	ug/L	<1.0	50	3.1	6	25-98	M1,N2
2-Methylphenol(o-Cresol)	ug/L	<1.0	50	13.0	26	41-131	M1
2-Nitroaniline	ug/L	<1.0	50	5.2	10	55-115	M1,N2
2-Nitrophenol	ug/L	<1.0	50	3.8	8	29-182	M1
3&4-Methylphenol(m&p Cresol)	ug/L	11.8	50	18.0	12	43-119	M1
3,3'-Dichlorobenzidine	ug/L	<1.0	50	4.2	8	10-262	M1
3-Nitroaniline	ug/L	<1.0	50	23.7	47	51-123	M1,N2
4,6-Dinitro-2-methylphenol	ug/L	<5.0	50	<5.0	3	10-181	CH,M1
4-Bromophenylphenyl ether	ug/L	<1.0	50	4.6	9	53-127	M1
4-Chloro-3-methylphenol	ug/L	<1.0	50	10.9	22	22-147	
4-Chloroaniline	ug/L	<1.0	50	33.5	67	55-102	N2
4-Chlorophenylphenyl ether	ug/L	<1.0	50	5.3	11	25-158	M1
4-Nitroaniline	ug/L	<1.0	50	14.8	30	63-116	M1,N2
4-Nitrophenol	ug/L	<5.0	50	7.5	15	10-132	
Acenaphthene	ug/L	<1.0	50	4.1	8	47-145	M1
Acenaphthylene	ug/L	<1.0	50	4.1	8	33-145	M1
Anthracene	ug/L	<1.0	50	4.9	10	27-133	M1
Benzo(a)anthracene	ug/L	<1.0	50	7.0	14	33-143	M1
Benzo(a)pyrene	ug/L	<1.0	50	6.0	12	17-163	M1
Benzo(b)fluoranthene	ug/L	<1.0	50	5.9	12	24-159	M1
Benzo(g,h,i)perylene	ug/L	<1.0	50	6.2	12	10-219	
Benzo(k)fluoranthene	ug/L	<1.0	50	6.4	13	11-162	

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(631)694-3040

QUALITY CONTROL DATA

Project: Pelham M1-6/12
Pace Project No.: 7054705

MATRIX SPIKE SAMPLE: 330136

Parameter	Units	7054705005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
bis(2-Chloroethoxy)methane	ug/L	<1.0	50	3.6	7	33-184	M1
bis(2-Chloroethyl) ether	ug/L	<1.0	50	5.0	10	12-158	M1
bis(2-Ethylhexyl)phthalate	ug/L	1.0	50	7.5	13	8-158	
Butylbenzylphthalate	ug/L	<1.0	50	6.3	13	10-152	
Carbazole	ug/L	<1.0	50	4.0	8	49-116	M1
Chrysene	ug/L	<1.0	50	6.8	14	17-168	M1
Di-n-butylphthalate	ug/L	<1.0	50	5.8	12	1-120	
Di-n-octylphthalate	ug/L	<1.0	50	8.4	17	4-146	
Dibenz(a,h)anthracene	ug/L	<1.0	50	6.2	12	10-227	
Diethylphthalate	ug/L	<1.0	50	5.3	11	10-120	
Dimethylphthalate	ug/L	<1.0	50	5.0	10	10-120	
Fluoranthene	ug/L	<1.0	50	6.1	12	26-137	M1
Fluorene	ug/L	<1.0	50	4.8	10	59-121	M1
Hexachloro-1,3-butadiene	ug/L	<1.0	50	3.5	7	24-120	M1
Hexachlorobenzene	ug/L	<1.0	50	5.9	12	10-152	
Hexachlorocyclopentadiene	ug/L	<5.0	50	<5.0	1	13-119	CL,M1
Hexachloroethane	ug/L	<1.0	50	2.4	5	40-120	M1
Indeno(1,2,3-cd)pyrene	ug/L	<1.0	50	7.4	15	10-171	
Isophorone	ug/L	<1.0	50	3.6	7	21-196	M1
N-Nitroso-di-n-propylamine	ug/L	<1.0	50	3.7	7	10-230	M1
N-Nitrosodiphenylamine	ug/L	<1.0	50	3.7	7	27-135	M1
Naphthalene	ug/L	3.6	50	3.3	-1	21-133	M1
Nitrobenzene	ug/L	<1.0	50	3.3	7	35-180	M1
Pentachlorophenol	ug/L	<5.0	50	<5.0	3	14-176	M1
Phenanthrene	ug/L	<1.0	50	4.8	10	54-120	M1
Phenol	ug/L	<1.0	50	8.6	17	5-120	
Pyrene	ug/L	<1.0	50	6.3	13	52-120	M1
1,2-Dichlorobenzene-d4 (S)	%				4	16-110	S0
2,4,6-Tribromophenol (S)	%				7	10-123	S0
2-Chlorophenol-d4 (S)	%				14	33-110	S0
2-Fluorobiphenyl (S)	%				6	60-140	S0
2-Fluorophenol (S)	%				16	60-140	S0
Nitrobenzene-d5 (S)	%				4	35-114	S0
p-Terphenyl-d14 (S)	%				42	33-141	
Phenol-d5 (S)	%				10	10-110	

SAMPLE DUPLICATE: 330137

Parameter	Units	7055008005 Result	Dup Result	RPD	Qualifiers
1,2,4-Trichlorobenzene	ug/L	<10.0	<10.0		
2,2'-Oxybis(1-chloropropane)	ug/L	<10.0	<10.0		
2,4,5-Trichlorophenol	ug/L	<10.0	<10.0		
2,4,6-Trichlorophenol	ug/L	<10.0	<10.0		
2,4-Dichlorophenol	ug/L	<10.0	<10.0		
2,4-Dimethylphenol	ug/L	<50.0	<50.0		

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QUALITY CONTROL DATA

Project: Pelham M1-6/12
Pace Project No.: 7054705

SAMPLE DUPLICATE: 330137

Parameter	Units	7055008005 Result	Dup Result	RPD	Qualifiers
2,4-Dinitrophenol	ug/L	<50.0	<50.0		
2,4-Dinitrotoluene	ug/L	<10.0	<10.0		
2,6-Dinitrotoluene	ug/L	<10.0	<10.0		
2-Chloronaphthalene	ug/L	<10.0	<10.0		
2-Chlorophenol	ug/L	<10.0	<10.0		
2-Methylnaphthalene	ug/L	<10.0	<10.0		N2
2-Methylphenol(o-Cresol)	ug/L	<10.0	<10.0		
2-Nitroaniline	ug/L	<10.0	<10.0		N2
2-Nitrophenol	ug/L	<10.0	<10.0		
3&4-Methylphenol(m&p Cresol)	ug/L	<10.0	<10.0		
3,3'-Dichlorobenzidine	ug/L	<10.0	<10.0		
3-Nitroaniline	ug/L	<10.0	<10.0		N2
4,6-Dinitro-2-methylphenol	ug/L	<50.0	<50.0		
4-Bromophenylphenyl ether	ug/L	<10.0	<10.0		
4-Chloro-3-methylphenol	ug/L	<10.0	<10.0		
4-Chloroaniline	ug/L	<10.0	<10.0		N2
4-Chlorophenylphenyl ether	ug/L	<10.0	<10.0		
4-Nitroaniline	ug/L	<10.0	<10.0		N2
4-Nitrophenol	ug/L	<50.0	<50.0		
Acenaphthene	ug/L	<10.0	<10.0		
Acenaphthylene	ug/L	<10.0	<10.0		
Anthracene	ug/L	<10.0	<10.0		
Benzo(a)anthracene	ug/L	<10.0	<10.0		
Benzo(a)pyrene	ug/L	<10.0	<10.0		
Benzo(b)fluoranthene	ug/L	<10.0	<10.0		
Benzo(g,h,i)perylene	ug/L	<10.0	<10.0		
Benzo(k)fluoranthene	ug/L	<10.0	<10.0		
bis(2-Chloroethoxy)methane	ug/L	<10.0	<10.0		
bis(2-Chloroethyl) ether	ug/L	<10.0	<10.0		
bis(2-Ethylhexyl)phthalate	ug/L	21.9	28.9	27	
Butylbenzylphthalate	ug/L	<10.0	<10.0		
Carbazole	ug/L	<10.0	<10.0		
Chrysene	ug/L	<10.0	<10.0		
Di-n-butylphthalate	ug/L	<10.0	<10.0		
Di-n-octylphthalate	ug/L	<10.0	<10.0		
Dibenz(a,h)anthracene	ug/L	<10.0	<10.0		
Diethylphthalate	ug/L	<10.0	<10.0		
Dimethylphthalate	ug/L	<10.0	<10.0		
Fluoranthene	ug/L	<10.0	<10.0		
Fluorene	ug/L	<10.0	<10.0		
Hexachloro-1,3-butadiene	ug/L	<10.0	<10.0		
Hexachlorobenzene	ug/L	<10.0	<10.0		
Hexachlorocyclopentadiene	ug/L	<50.0	<50.0		CL
Hexachloroethane	ug/L	<10.0	<10.0		
Indeno(1,2,3-cd)pyrene	ug/L	<10.0	<10.0		
Isophorone	ug/L	<10.0	<10.0		
N-Nitroso-di-n-propylamine	ug/L	<10.0	<10.0		

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(631)694-3040

QUALITY CONTROL DATA

Project: Pelham M1-6/12
Pace Project No.: 7054705

SAMPLE DUPLICATE: 330137

Parameter	Units	7055008005 Result	Dup Result	RPD	Qualifiers
N-Nitrosodiphenylamine	ug/L	<10.0	<10.0		
Naphthalene	ug/L	<10.0	<10.0		
Nitrobenzene	ug/L	<10.0	<10.0		
Pentachlorophenol	ug/L	<50.0	<50.0		
Phenanthrene	ug/L	<10.0	<10.0		
Phenol	ug/L	39.2	41.2	5	
Pyrene	ug/L	<10.0	<10.0		
1,2-Dichlorobenzene-d4 (S)	%	42	43	3	
2,4,6-Tribromophenol (S)	%	60	79	26	
2-Chlorophenol-d4 (S)	%	50	62	20	
2-Fluorobiphenyl (S)	%	60	84	33	
2-Fluorophenol (S)	%	43	37	14	S4
Nitrobenzene-d5 (S)	%	45	60	29	
p-Terphenyl-d14 (S)	%	104	121	15	
Phenol-d5 (S)	%	31	29	8	

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QUALITY CONTROL DATA

Project: Pelham M1-6/12
Pace Project No.: 7054705

QC Batch: 72188 Analysis Method: EPA 1664A
QC Batch Method: EPA 1664A Analysis Description: 1664 HEM, Oil and Grease
Associated Lab Samples: 7054705001

METHOD BLANK: 331514 Matrix: Water
Associated Lab Samples: 7054705001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	<5.0	5.0	06/20/18 14:01	

LABORATORY CONTROL SAMPLE & LCSD: 331515 331516

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	40	37.9	38.8	95	97	78-114	2	20	

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QUALITY CONTROL DATA

Project: Pelham M1-6/12
Pace Project No.: 7054705

QC Batch: 72457 Analysis Method: EPA 1664A
QC Batch Method: EPA 1664A Analysis Description: 1664 HEM, Oil and Grease
Associated Lab Samples: 7054705002, 7054705003, 7054705004

METHOD BLANK: 332535 Matrix: Water
Associated Lab Samples: 7054705002, 7054705003, 7054705004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	<5.0	5.0	06/21/18 14:41	

LABORATORY CONTROL SAMPLE & LCSD: 332536 332537

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	40	38.2	36.7	96	92	78-114	4	20	

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QUALITY CONTROL DATA

Project: Pelham M1-6/12
Pace Project No.: 7054705

QC Batch: 71910 Analysis Method: SM22 2540D
QC Batch Method: SM22 2540D Analysis Description: 2540D Total Suspended Solids
Associated Lab Samples: 7054705001, 7054705002, 7054705003

METHOD BLANK: 330002 Matrix: Water
Associated Lab Samples: 7054705001, 7054705002, 7054705003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	<1.0	1.0	06/18/18 16:31	

LABORATORY CONTROL SAMPLE: 330003

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	200	196	98	85-115	

SAMPLE DUPLICATE: 330004

Parameter	Units	7055117001 Result	Dup Result	RPD	Qualifiers
Total Suspended Solids	mg/L	372	376	1	

SAMPLE DUPLICATE: 330005

Parameter	Units	7054705003 Result	Dup Result	RPD	Qualifiers
Total Suspended Solids	mg/L	<10.0	<10.0		

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QUALITY CONTROL DATA

Project: Pelham M1-6/12
Pace Project No.: 7054705

QC Batch: 71911 — Analysis Method: SM22 2540D
QC Batch Method: SM22 2540D — Analysis Description: 2540D Total Suspended Solids
Associated Lab Samples: 7054705004

METHOD BLANK: 330006 — Matrix: Water
Associated Lab Samples: 7054705004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	<1.0	1.0	06/18/18 16:53	

LABORATORY CONTROL SAMPLE: 330007

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	200	190	95	85-115	

SAMPLE DUPLICATE: 330008

Parameter	Units	7054705004 Result	Dup Result	RPD	Qualifiers
Total Suspended Solids	mg/L	<10.0	<10.0		

SAMPLE DUPLICATE: 330009

Parameter	Units	7054806001 Result	Dup Result	RPD	Qualifiers
Total Suspended Solids	mg/L	<10.0	<10.0		

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QUALITY CONTROL DATA

Project: Pelham M1-6/12
Pace Project No.: 7054705

QC Batch: 71240
QC Batch Method: SM22 3500-Cr B
Associated Lab Samples: 7054705005

Analysis Method: SM22 3500-Cr B
Analysis Description: Chromium, Hexavalent by 3500

METHOD BLANK: 326940 Matrix: Water
Associated Lab Samples: 7054705005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chromium, Hexavalent	mg/L	<0.020	0.020	06/12/18 22:35	

LABORATORY CONTROL SAMPLE: 326941

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	mg/L	.2	0.19	97	85-115	

MATRIX SPIKE SAMPLE: 326942

Parameter	Units	7054598002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	mg/L	<0.020	.2	0.20	99	75-125	

SAMPLE DUPLICATE: 326943

Parameter	Units	7054598002 Result	Dup Result	RPD	Qualifiers
Chromium, Hexavalent	mg/L	<0.020	<0.020		

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REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: Pelham M1-6/12
Pace Project No.: 7054705

QC Batch: 71241 Analysis Method: SM22 4500-H+B
QC Batch Method: SM22 4500-H+B Analysis Description: 4500H+B pH
Associated Lab Samples: 7054705001, 7054705002, 7054705003, 7054705004

SAMPLE DUPLICATE: 326960

Parameter	Units	7054705001 Result	Dup Result	RPD	Qualifiers
pH	Std. Units	6.9	6.9	0	H3,H6
Temperature, Water (C)	deg C	23.7	23.7	0	H3,H6

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Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: Pelham M1-6/12
Pace Project No.: 7054705

QC Batch: 71421 Analysis Method: SM22 5210B
QC Batch Method: SM22 5210B Analysis Description: 5210B cBOD, 5 day
Associated Lab Samples: 7054705005

METHOD BLANK: 327476 Matrix: Water
Associated Lab Samples: 7054705005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Carbonaceous BOD, 5 day	mg/L	<2.0	2.0	06/18/18 10:45	

LABORATORY CONTROL SAMPLE: 327477

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbonaceous BOD, 5 day	mg/L	198	181	92	84.5-115.4	

SAMPLE DUPLICATE: 327478

Parameter	Units	7054720001 Result	Dup Result	RPD	Qualifiers
Carbonaceous BOD, 5 day	mg/L	132	128	3	

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(631)694-3040

QUALITY CONTROL DATA

Project: Pelham M1-6/12
Pace Project No.: 7054705

QC Batch: 72531
QC Batch Method: EPA 351.2
Analysis Method: EPA 351.2
Analysis Description: 351.2 TKN
Associated Lab Samples: 7054705005

METHOD BLANK: 333076 Matrix: Water
Associated Lab Samples: 7054705005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	<0.10	0.10	06/22/18 13:40	

LABORATORY CONTROL SAMPLE: 333077

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	4	3.9	97	90-110	

MATRIX SPIKE SAMPLE: 333078

Parameter	Units	7054834002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	1.7	4	6.1	110	90-110	

MATRIX SPIKE SAMPLE: 333080

Parameter	Units	7054971002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	1.5	4	5.7	104	90-110	

SAMPLE DUPLICATE: 333079

Parameter	Units	7054834002 Result	Dup Result	RPD	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	1.7	1.7	2	

SAMPLE DUPLICATE: 333081

Parameter	Units	7054971002 Result	Dup Result	RPD	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	1.5	1.5	1	

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QUALITY CONTROL DATA

Project: Pelham M1-6/12
Pace Project No.: 7054705

QC Batch: 71234
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrite, Unpres.
Associated Lab Samples: 7054705005

METHOD BLANK: 326882 Matrix: Water
Associated Lab Samples: 7054705005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	<0.050	0.050	06/12/18 19:28	

LABORATORY CONTROL SAMPLE: 326883

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	1	1.1	109	90-110	

MATRIX SPIKE SAMPLE: 326884

Parameter	Units	7054683001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	.5	0.57	113	90-110	M1

MATRIX SPIKE SAMPLE: 326886

Parameter	Units	7054683003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	.5	0.59	118	90-110	M1

SAMPLE DUPLICATE: 326885

Parameter	Units	7054683001 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

SAMPLE DUPLICATE: 326887

Parameter	Units	7054683003 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

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QUALITY CONTROL DATA

Project: Pelham M1-6/12
Pace Project No.: 7054705

QC Batch: 71238
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, preserved
Associated Lab Samples: 7054705005

METHOD BLANK: 326920 Matrix: Water
Associated Lab Samples: 7054705005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	0.050	06/12/18 22:13	

LABORATORY CONTROL SAMPLE: 326921

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	1	1.0	102	90-110	

MATRIX SPIKE SAMPLE: 326922

Parameter	Units	7054599001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	.5	0.59	118	90-110	

MATRIX SPIKE SAMPLE: 326924

Parameter	Units	7054599004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	.5	0.60	120	90-110	

SAMPLE DUPLICATE: 326923

Parameter	Units	7054599001 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	<0.050		

SAMPLE DUPLICATE: 326925

Parameter	Units	7054599004 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	<0.050		

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Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: Pelham M1-6/12
Pace Project No.: 7054705

QC Batch: 72134 Analysis Method: SM22 4500-CN-E
QC Batch Method: SM20/22 4500-CN-C Analysis Description: 4500 CNE Cyanide, Total
Associated Lab Samples: 7054705006

METHOD BLANK: 331363 Matrix: Water
Associated Lab Samples: 7054705006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	ug/L	<10.0	10.0	06/20/18 14:01	

LABORATORY CONTROL SAMPLE: 331364

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	ug/L	75	68.3	91	85-115	

MATRIX SPIKE SAMPLE: 331365

Parameter	Units	7054363002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cyanide	ug/L	<10.0	100	92.3	91	75-125	

SAMPLE DUPLICATE: 331366

Parameter	Units	7054363002 Result	Dup Result	RPD	Qualifiers
Cyanide	ug/L	<10.0	<10.0		

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QUALITY CONTROL DATA

Project: Pelham M1-6/12
Pace Project No.: 7054705

QC Batch: 72129 Analysis Method: SM22 4500-Cl-E
QC Batch Method: SM22 4500-Cl-E Analysis Description: 4500 Chloride
Associated Lab Samples: 7054705005

METHOD BLANK: 331359 Matrix: Water
Associated Lab Samples: 7054705005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<2.0	2.0	06/20/18 12:28	

LABORATORY CONTROL SAMPLE: 331360

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	54.0	108	90-110	

MATRIX SPIKE SAMPLE: 331361

Parameter	Units	7055145001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	17.6	25	44.9	109	80-120	

SAMPLE DUPLICATE: 331362

Parameter	Units	7055145001 Result	Dup Result	RPD	Qualifiers
Chloride	mg/L	17.6	17.5	1	

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QUALITY CONTROL DATA

Project: Pelham M1-6/12
Pace Project No.: 7054705

QC Batch: 72408
QC Batch Method: SM22 4500-CN-G
Analysis Method: SM22 4500-CN-E
Analysis Description: 4500CNG Cyanide, Amenable
Associated Lab Samples: 7054705006

METHOD BLANK: 332368
Matrix: Water
Associated Lab Samples: 7054705006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Amenable Cyanide	ug/L	<10.0	10.0	06/21/18 15:22	

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Melville, NY 11747
(631)694-3040

QUALIFIERS

Project: Pelham M1-6/12
Pace Project No.: 7054705

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
H3	Sample was received or analysis requested beyond the recognized method holding time.
H6	Analysis initiated outside of the 15 minute EPA recommended holding time.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
N2	The lab does not hold NELAC/TNI accreditation for this parameter.
S0	Surrogate recovery outside laboratory control limits.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.

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Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Pelham M1-6/12
Pace Project No.: 7054705

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7054705005	M1-24 HOUR FIELD COMPOSITE	EPA 608.3	71305	EPA 608.3	71505
7054705005	M1-24 HOUR FIELD COMPOSITE	EPA 200.7	71713	EPA 200.7	71722
7054705005	M1-24 HOUR FIELD COMPOSITE	EPA 245.1	71863	EPA 245.1	71867
7054705005	M1-24 HOUR FIELD COMPOSITE	EPA 625.1 SF	71924	EPA 625.1	71948
7054705006	M1-GRAB COMPOSITE	EPA 624.1	71492		
7054705001	M1-7:00-GRAB #1	EPA 1664A	72188		
7054705002	M1-8:00-GRAB #2	EPA 1664A	72457		
7054705003	M1-9:00-GRAB #3	EPA 1664A	72457		
7054705004	M1-10:00-GRAB #4	EPA 1664A	72457		
7054705001	M1-7:00-GRAB #1	SM22 2540D	71910		
7054705002	M1-8:00-GRAB #2	SM22 2540D	71910		
7054705003	M1-9:00-GRAB #3	SM22 2540D	71910		
7054705004	M1-10:00-GRAB #4	SM22 2540D	71911		
7054705005	M1-24 HOUR FIELD COMPOSITE	SM22 3500-Cr B	71240		
7054705001	M1-7:00-GRAB #1	SM22 4500-H+B	71241		
7054705002	M1-8:00-GRAB #2	SM22 4500-H+B	71241		
7054705003	M1-9:00-GRAB #3	SM22 4500-H+B	71241		
7054705004	M1-10:00-GRAB #4	SM22 4500-H+B	71241		
7054705005	M1-24 HOUR FIELD COMPOSITE	SM22 5210B	71421	SM22 5210B	72325
7054705005	M1-24 HOUR FIELD COMPOSITE	SM22 4500-N	73022		
7054705005	M1-24 HOUR FIELD COMPOSITE	EPA 351.2	72531	EPA 351.2	72551
7054705005	M1-24 HOUR FIELD COMPOSITE	EPA 353.2	71238		
7054705005	M1-24 HOUR FIELD COMPOSITE	EPA 353.2	71234		
7054705006	M1-GRAB COMPOSITE	SM20/22 4500-CN-C	72134	SM22 4500-CN-E	72202
7054705005	M1-24 HOUR FIELD COMPOSITE	SM22 4500-Cl-E	72129		
7054705006	M1-GRAB COMPOSITE	SM22 4500-CN-G	72408	SM22 4500-CN-E	72479

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Pace Analytical
575 Broad Hollow Road
Melville, NY 11747

WO#: 7054705

7054705

CHAIN OF

PELHAM BAY LANDFILL

M1

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: Andre Dziegelewski	
Source: **Pelham Bay Landfill**	
Job No.:	

Laboratory Use Only

Samples were:

1. Shipped____ or Hand Delivered____ Airbill#_____
2. Ambient or Chilled, **Temperature** _____
3. Received in good condition Yes or No
4. Properly preserved Yes or No
- Discrepancies between labels and COC? Yes or No

MATRIX (Water, Soil, etc.)	COLLECTED DATE	COLLECTED TIME	SAMPLE IDENTIFICATION	Total Number of Containers: 27	40 mL VIALS VOCs (Grabs composited at Lab)	60 mL Plastic [NaOH] Cyanide (Grabs composited at Lab)	500 mL Plastic TSS, pH	1 Liter Amber Glass [HCl] Oil & Grease	1 Liter Plastic Non Metals	250 mL Plastic [HNO_3] Metals	250 mL Plastic [H_2SO_4] Total N, TKN	1 Liter Amber Glass SVOC (625) and PCB (608)	Field Ph	Lab. ID #	REMARKS
Water	6/12/18	7:00	M1 - 7:00 - Grab #1	5	2	1	1	1							
Water	6/12/18	8:00	M1 - 8:00 - Grab #2	5	2	1	1	1							
Water	6/12/18	9:00	M1 - 9:00 - Grab #3	5	2	1	1	1							
Water	6/12/18	10:00	M1 - 10:00 - Grab #4	5	2	1	1	1							
Start:	6/11/18	9:00	M1 - 24 Hour Field Composite												
End:	6/12/18	10:00		7					1	1	1	4			

Relinquished by: (Signature)	Date: 6/12/18	SEAL INTACT? YES NO NA	Received by: (Signature)	Relinquished by: (Signature)	Date: 6/12/18	SEAL INTACT? YES NO NA	Received by: (Signature)
Representing: STRATIS	Time: 1425		Representing:	Representing:	Time: 1815		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:

Sample Condition Upon Receipt

Pace Analytical

WO#: 7054705
PM: JSA Due Date: 06/27/18
CLIENT: STRATIS

Client Name: Stratis

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☒ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☒ Yes ☐ No Seals intact: ☒ Yes ☐ No

Temperature Blank Present: ☐ Yes ☒ No

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ Ziploc ☐ None ☐ Other

Type of Ice: (Wet) Blue None

Thermometer Used: TH091 Correction Factor: 0.0

☐ Samples on ice, cooling process has begun

Cooler Temperature (°C): 1.9 Cooler Temperature Corrected (°C): 1.9

Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☒ N/A, water sample)

Date and Initials of person examining contents: JK 6/12/18

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ YES ☐ NO

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	☒Yes	☐No		1.
Chain of Custody Filled Out:	☒Yes	☐No		2.
Chain of Custody Relinquished:	☒Yes	☐No		3.
Sampler Name & Signature on COC:	☒Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☒Yes	☐No		5.
Short Hold Time Analysis (<72hr):	☒Yes	☐No		6.
Rush Turn Around Time Requested:	☐Yes	☒No		7.
Sufficient Volume: (Triple volume provided for MS/MSD)	☒Yes	☐No		8.
Correct Containers Used:	☒Yes	☐No		9.
-Pace Containers Used:	☒Yes	☐No		
Containers Intact:	☒Yes	☐No		10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☒N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix SL WT OIL	☒Yes	☐No		12.
All containers needing preservation have been checked	☒Yes	☐No	☐N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot # HC739243				Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NAOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	☒Yes	☐No	☐N/A	Initial when completed: / Lot # of added preservative: / Date/Time preservative added
Samples checked for dechlorination:	☐Yes	☐No	☒N/A	14.
KI starch test strips Lot #				Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #				
Headspace in VOA Vials (>6mm):	☐Yes	☒No	☐N/A	15.
Trip Blank Present:	☐Yes	☒No	☐N/A	16.
Trip Blank Custody Seals Present	☐Yes	☐No	☒N/A	
Pace Trip Blank Lot # (if applicable):				

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

* PM (Project Manager) review is documented electronically in LIMS.

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

August 08, 2018

Vincent G. Pelusio
Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566

RE: Project: Pelham M1-7/24
Pace Project No.: 7059320

Dear Vincent Pelusio:
Enclosed are the analytical results for sample(s) received by the laboratory on July 24, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Jennifer Aracri
jennifer.aracri@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: Mildred Gonos, Stratis Contracting Corp.
Paul Jeris, Stratis Contracting Corp.
Emile Mclean, Stratis Contracting Corp.

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

CERTIFICATIONS

Project: Pelham M1-7/24
Pace Project No.: 7059320

Long Island Certification IDs

575 Broad Hollow Rd, Melville, NY 11747
New York Certification #: 10478 Primary Accrediting Body
New Jersey Certification #: NY158
Pennsylvania Certification #: 68-00350
Connecticut Certification #: PH-0435
Maryland Certification #: 208
Rhode Island Certification #: LAO00340
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987

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(631)694-3040

ANALYTICAL RESULTS

Project: Pelham M1-7/24
Pace Project No.: 7059320

Sample: M1 - 7:00 - GRAB #1 **Lab ID: 7059320001** Collected: 07/24/18 07:00 Received: 07/24/18 18:16 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	**<5.3**	mg/L	5.3	1		07/30/18 12:46		
2540D Total Suspended Solids	Analytical Method: SM22 2540D							
Total Suspended Solids	**<10.0**	mg/L	10.0	1		07/31/18 16:37		
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B							
pH	**7.1**	Std. Units	0.10	1		07/25/18 14:48		H3,H6
Temperature, Water (C)	**23.1**	deg C	0.10	1		07/25/18 14:48		H3,H6

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ANALYTICAL RESULTS

Project: Pelham M1-7/24
Pace Project No.: 7059320

Sample: M1 - 8:00 - GRAB #2 **Lab ID: 7059320002** Collected: 07/24/18 08:00 Received: 07/24/18 18:16 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	**<5.0**	mg/L	5.0	1		07/30/18 12:46		
2540D Total Suspended Solids	Analytical Method: SM22 2540D							
Total Suspended Solids	**<10.0**	mg/L	10.0	1		07/31/18 16:37		
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B							
pH	**7.1**	Std. Units	0.10	1		07/25/18 14:48		H3,H6
Temperature, Water (C)	**23.3**	deg C	0.10	1		07/25/18 14:48		H3,H6

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ANALYTICAL RESULTS

Project: Pelham M1-7/24
Pace Project No.: 7059320

Sample: M1 - 9:00 - GRAB #3 **Lab ID: 7059320003** Collected: 07/24/18 09:00 Received: 07/24/18 18:16 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	**<5.4**	mg/L	5.4	1		07/30/18 12:46		
2540D Total Suspended Solids	Analytical Method: SM22 2540D							
Total Suspended Solids	**<10.0**	mg/L	10.0	1		07/31/18 16:37		
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B							
pH	**7.1**	Std. Units	0.10	1		07/25/18 14:48		H3,H6
Temperature, Water (C)	**23.4**	deg C	0.10	1		07/25/18 14:48		H3,H6

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ANALYTICAL RESULTS

Project: Pelham M1-7/24
Pace Project No.: 7059320

Sample: M1 - 10:00 - GRAB #4 **Lab ID: 7059320004** Collected: 07/24/18 10:00 Received: 07/24/18 18:16 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	**<5.0**	mg/L	5.0	1		07/30/18 12:46		
2540D Total Suspended Solids	Analytical Method: SM22 2540D							
Total Suspended Solids	**<10.0**	mg/L	10.0	1		07/31/18 16:43		
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B							
pH	**7.1**	Std. Units	0.10	1		07/25/18 14:48		H3,H6
Temperature, Water (C)	**23.5**	deg C	0.10	1		07/25/18 14:48		H3,H6

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ANALYTICAL RESULTS

Project: Pelham M1-7/24
Pace Project No.: 7059320

Sample: M1 - 24 HOUR FIELD COMPOSITE **Lab ID: 7059320005** Collected: 07/24/18 10:00 Received: 07/24/18 18:16 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
608.3 GCSV PCB LOW	Analytical Method: EPA 608.3 Preparation Method: EPA 608.3							
PCB-1016 (Aroclor 1016)	**<0.065**	ug/L	0.065	1	08/07/18 09:13	08/08/18 12:24	12674-11-2	
PCB-1221 (Aroclor 1221)	**<0.065**	ug/L	0.065	1	08/07/18 09:13	08/08/18 12:24	11104-28-2	
PCB-1232 (Aroclor 1232)	**<0.065**	ug/L	0.065	1	08/07/18 09:13	08/08/18 12:24	11141-16-5	
PCB-1242 (Aroclor 1242)	**<0.065**	ug/L	0.065	1	08/07/18 09:13	08/08/18 12:24	53469-21-9	
PCB-1248 (Aroclor 1248)	**<0.065**	ug/L	0.065	1	08/07/18 09:13	08/08/18 12:24	12672-29-6	
PCB-1254 (Aroclor 1254)	**<0.065**	ug/L	0.065	1	08/07/18 09:13	08/08/18 12:24	11097-69-1	
PCB-1260 (Aroclor 1260)	**<0.065**	ug/L	0.065	1	08/07/18 09:13	08/08/18 12:24	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	78	%	10-149	1	08/07/18 09:13	08/08/18 12:24	877-09-8	
Decachlorobiphenyl (S)	57	%	10-149	1	08/07/18 09:13	08/08/18 12:24	2051-24-3	
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Cadmium	**<2.5**	ug/L	2.5	1	07/30/18 12:30	08/01/18 13:52	7440-43-9	
Chromium	**<10.0**	ug/L	10.0	1	07/30/18 12:30	08/01/18 13:52	7440-47-3	
Copper	**<25.0**	ug/L	25.0	1	07/30/18 12:30	08/01/18 13:52	7440-50-8	
Lead	**<5.0**	ug/L	5.0	1	07/30/18 12:30	08/01/18 13:52	7439-92-1	
Molybdenum	**<20.0**	ug/L	20.0	1	07/30/18 12:30	08/01/18 13:52	7439-98-7	
Nickel	**<40.0**	ug/L	40.0	1	07/30/18 12:30	08/01/18 13:52	7440-02-0	
Silver	**<10.0**	ug/L	10.0	1	07/30/18 12:30	08/01/18 13:52	7440-22-4	
Zinc	**<20.0**	ug/L	20.0	1	07/30/18 12:30	08/01/18 13:52	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	**<0.20**	ug/L	0.20	1	08/01/18 10:08	08/01/18 14:20	7439-97-6	
625.1 MSSV	Analytical Method: EPA 625.1 Preparation Method: EPA 625.1 SF							
Acenaphthene	**<1.0**	ug/L	1.0	1	07/30/18 10:19	07/31/18 18:19	83-32-9	
Acenaphthylene	**<1.0**	ug/L	1.0	1	07/30/18 10:19	07/31/18 18:19	208-96-8	
Anthracene	**<1.0**	ug/L	1.0	1	07/30/18 10:19	07/31/18 18:19	120-12-7	
Benzo(a)anthracene	**<1.0**	ug/L	1.0	1	07/30/18 10:19	07/31/18 18:19	56-55-3	
Benzo(a)pyrene	**<1.0**	ug/L	1.0	1	07/30/18 10:19	07/31/18 18:19	50-32-8	
Benzo(b)fluoranthene	**<1.0**	ug/L	1.0	1	07/30/18 10:19	07/31/18 18:19	205-99-2	
Benzo(g,h,i)perylene	**<1.0**	ug/L	1.0	1	07/30/18 10:19	07/31/18 18:19	191-24-2	
Benzo(k)fluoranthene	**<1.0**	ug/L	1.0	1	07/30/18 10:19	07/31/18 18:19	207-08-9	
4-Bromophenylphenyl ether	**<1.0**	ug/L	1.0	1	07/30/18 10:19	07/31/18 18:19	101-55-3	
Butylbenzylphthalate	**<1.0**	ug/L	1.0	1	07/30/18 10:19	07/31/18 18:19	85-68-7	
Carbazole	**<1.0**	ug/L	1.0	1	07/30/18 10:19	07/31/18 18:19	86-74-8	IL
4-Chloro-3-methylphenol	**<1.0**	ug/L	1.0	1	07/30/18 10:19	07/31/18 18:19	59-50-7	
4-Chloroaniline	**<1.0**	ug/L	1.0	1	07/30/18 10:19	07/31/18 18:19	106-47-8	N2
bis(2-Chloroethoxy)methane	**<1.0**	ug/L	1.0	1	07/30/18 10:19	07/31/18 18:19	111-91-1	
bis(2-Chloroethyl) ether	**<1.0**	ug/L	1.0	1	07/30/18 10:19	07/31/18 18:19	111-44-4	
2-Chloronaphthalene	**<1.0**	ug/L	1.0	1	07/30/18 10:19	07/31/18 18:19	91-58-7	
2-Chlorophenol	**<1.0**	ug/L	1.0	1	07/30/18 10:19	07/31/18 18:19	95-57-8	
4-Chlorophenylphenyl ether	**<1.0**	ug/L	1.0	1	07/30/18 10:19	07/31/18 18:19	7005-72-3	
Chrysene	**<1.0**	ug/L	1.0	1	07/30/18 10:19	07/31/18 18:19	218-01-9	
Dibenz(a,h)anthracene	**<1.0**	ug/L	1.0	1	07/30/18 10:19	07/31/18 18:19	53-70-3	
3,3'-Dichlorobenzidine	**<1.0**	ug/L	1.0	1	07/30/18 10:19	07/31/18 18:19	91-94-1	

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ANALYTICAL RESULTS

Project: Pelham M1-7/24
Pace Project No.: 7059320

Sample: M1 - 24 HOUR FIELD COMPOSITE **Lab ID: 7059320005** Collected: 07/24/18 10:00 Received: 07/24/18 18:16 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625.1 MSSV	Analytical Method: EPA 625.1 Preparation Method: EPA 625.1 SF							
2,4-Dichlorophenol	**<1.0**	ug/L	1.0	1	07/30/18 10:19	07/31/18 18:19	120-83-2	
Diethylphthalate	**<1.0**	ug/L	1.0	1	07/30/18 10:19	07/31/18 18:19	84-66-2	
2,4-Dimethylphenol	**<5.0**	ug/L	5.0	1	07/30/18 10:19	07/31/18 18:19	105-67-9	L2
Dimethylphthalate	**<1.0**	ug/L	1.0	1	07/30/18 10:19	07/31/18 18:19	131-11-3	
Di-n-butylphthalate	**<1.0**	ug/L	1.0	1	07/30/18 10:19	07/31/18 18:19	84-74-2	
4,6-Dinitro-2-methylphenol	**<5.0**	ug/L	5.0	1	07/30/18 10:19	07/31/18 18:19	534-52-1	
2,4-Dinitrophenol	**<5.0**	ug/L	5.0	1	07/30/18 10:19	07/31/18 18:19	51-28-5	
2,4-Dinitrotoluene	**<1.0**	ug/L	1.0	1	07/30/18 10:19	07/31/18 18:19	121-14-2	
2,6-Dinitrotoluene	**<1.0**	ug/L	1.0	1	07/30/18 10:19	07/31/18 18:19	606-20-2	
Di-n-octylphthalate	**<1.0**	ug/L	1.0	1	07/30/18 10:19	07/31/18 18:19	117-84-0	
bis(2-Ethylhexyl)phthalate	**<1.0**	ug/L	1.0	1	07/30/18 10:19	07/31/18 18:19	117-81-7	
Fluoranthene	**<1.0**	ug/L	1.0	1	07/30/18 10:19	07/31/18 18:19	206-44-0	
Fluorene	**<1.0**	ug/L	1.0	1	07/30/18 10:19	07/31/18 18:19	86-73-7	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1	07/30/18 10:19	07/31/18 18:19	87-68-3	
Hexachlorobenzene	**<1.0**	ug/L	1.0	1	07/30/18 10:19	07/31/18 18:19	118-74-1	
Hexachlorocyclopentadiene	**<5.0**	ug/L	5.0	1	07/30/18 10:19	07/31/18 18:19	77-47-4	CL
Hexachloroethane	**<1.0**	ug/L	1.0	1	07/30/18 10:19	07/31/18 18:19	67-72-1	
Indeno(1,2,3-cd)pyrene	**<1.0**	ug/L	1.0	1	07/30/18 10:19	07/31/18 18:19	193-39-5	
Isophorone	**<1.0**	ug/L	1.0	1	07/30/18 10:19	07/31/18 18:19	78-59-1	
2-Methylnaphthalene	**<1.0**	ug/L	1.0	1	07/30/18 10:19	07/31/18 18:19	91-57-6	N2
2-Methylphenol(o-Cresol)	**<1.0**	ug/L	1.0	1	07/30/18 10:19	07/31/18 18:19	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<1.0**	ug/L	1.0	1	07/30/18 10:19	07/31/18 18:19		
Naphthalene	**<1.0**	ug/L	1.0	1	07/30/18 10:19	07/31/18 18:19	91-20-3	
2-Nitroaniline	**<1.0**	ug/L	1.0	1	07/30/18 10:19	07/31/18 18:19	88-74-4	N2
3-Nitroaniline	**<1.0**	ug/L	1.0	1	07/30/18 10:19	07/31/18 18:19	99-09-2	N2
4-Nitroaniline	**<1.0**	ug/L	1.0	1	07/30/18 10:19	07/31/18 18:19	100-01-6	N2
Nitrobenzene	**<1.0**	ug/L	1.0	1	07/30/18 10:19	07/31/18 18:19	98-95-3	
2-Nitrophenol	**<1.0**	ug/L	1.0	1	07/30/18 10:19	07/31/18 18:19	88-75-5	
4-Nitrophenol	**<5.0**	ug/L	5.0	1	07/30/18 10:19	07/31/18 18:19	100-02-7	
N-Nitroso-di-n-propylamine	**<1.0**	ug/L	1.0	1	07/30/18 10:19	07/31/18 18:19	621-64-7	
N-Nitrosodiphenylamine	**<1.0**	ug/L	1.0	1	07/30/18 10:19	07/31/18 18:19	86-30-6	
2,2'-Oxybis(1-chloropropane)	**<1.0**	ug/L	1.0	1	07/30/18 10:19	07/31/18 18:19	108-60-1	
Pentachlorophenol	**<5.0**	ug/L	5.0	1	07/30/18 10:19	07/31/18 18:19	87-86-5	
Phenanthrene	**<1.0**	ug/L	1.0	1	07/30/18 10:19	07/31/18 18:19	85-01-8	
Phenol	**<1.0**	ug/L	1.0	1	07/30/18 10:19	07/31/18 18:19	108-95-2	
Pyrene	**<1.0**	ug/L	1.0	1	07/30/18 10:19	07/31/18 18:19	129-00-0	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1	07/30/18 10:19	07/31/18 18:19	120-82-1	
2,4,5-Trichlorophenol	**<1.0**	ug/L	1.0	1	07/30/18 10:19	07/31/18 18:19	95-95-4	
2,4,6-Trichlorophenol	**<1.0**	ug/L	1.0	1	07/30/18 10:19	07/31/18 18:19	88-06-2	
Surrogates								
2-Fluorophenol (S)	30	%	60-140	1	07/30/18 10:19	07/31/18 18:19	367-12-4	S0
Phenol-d5 (S)	21	%	10-110	1	07/30/18 10:19	07/31/18 18:19	4165-62-2	
Nitrobenzene-d5 (S)	51	%	35-114	1	07/30/18 10:19	07/31/18 18:19	4165-60-0	
2-Fluorobiphenyl (S)	50	%	60-140	1	07/30/18 10:19	07/31/18 18:19	321-60-8	S0
2,4,6-Tribromophenol (S)	62	%	10-123	1	07/30/18 10:19	07/31/18 18:19	118-79-6	
p-Terphenyl-d14 (S)	71	%	33-141	1	07/30/18 10:19	07/31/18 18:19	1718-51-0	

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ANALYTICAL RESULTS

Project: Pelham M1-7/24
Pace Project No.: 7059320

Sample: M1 - 24 HOUR FIELD COMPOSITE **Lab ID: 7059320005** Collected: 07/24/18 10:00 Received: 07/24/18 18:16 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625.1 MSSV	Analytical Method: EPA 625.1 Preparation Method: EPA 625.1 SF							
Surrogates								
1,2-Dichlorobenzene-d4 (S)	42	%	16-110	1	07/30/18 10:19	07/31/18 18:19	2199-69-1	
2-Chlorophenol-d4 (S)	46	%	33-110	1	07/30/18 10:19	07/31/18 18:19	93951-73-6	
Chromium, Hexavalent	Analytical Method: SM22 3500-Cr B							
Chromium, Hexavalent	**<0.020**	mg/L	0.020	1		07/25/18 08:41	18540-29-9	
5210B cBOD, 5 day	Analytical Method: SM22 5210B Preparation Method: SM22 5210B							
Carbonaceous BOD, 5 day	**<4.0**	mg/L	4.0	2	07/25/18 17:41	07/30/18 13:17		
Total Nitrogen Calculation	Analytical Method: SM22 4500-N							
Total Nitrogen	**32.4**	mg/L	0.10	1		08/03/18 08:53		
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	**31.8**	mg/L	1.0	10	08/02/18 06:11	08/02/18 14:24	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrate-Nitrite (as N)	**0.53**	mg/L	0.050	1		07/24/18 20:53	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**<0.050**	mg/L	0.050	1		07/24/18 19:23	14797-65-0	
4500 Chloride	Analytical Method: SM22 4500-Cl-E							
Chloride	**<20.0**	mg/L	20.0	10		07/31/18 13:03	16887-00-6	

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ANALYTICAL RESULTS

Project: Pelham M1-7/24
Pace Project No.: 7059320

Sample: M1 - GRAB COMPOSITE **Lab ID: 7059320006** Collected: 07/24/18 10:00 Received: 07/24/18 18:16 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624.1 Volatile Organics	Analytical Method: EPA 624.1							
Acetone	**9.4**	ug/L	5.0	1		07/31/18 10:52	67-64-1	
Benzene	**<1.0**	ug/L	1.0	1		07/31/18 10:52	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		07/31/18 10:52	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		07/31/18 10:52	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		07/31/18 10:52	74-83-9	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		07/31/18 10:52	78-93-3	CL,N2
Carbon disulfide	**<1.0**	ug/L	1.0	1		07/31/18 10:52	75-15-0	N2
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		07/31/18 10:52	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		07/31/18 10:52	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		07/31/18 10:52	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		07/31/18 10:52	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		07/31/18 10:52	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		07/31/18 10:52	124-48-1	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		07/31/18 10:52	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		07/31/18 10:52	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		07/31/18 10:52	106-46-7	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		07/31/18 10:52	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		07/31/18 10:52	107-06-2	
1,2-Dichloroethene (Total)	**<1.0**	ug/L	1.0	1		07/31/18 10:52	540-59-0	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		07/31/18 10:52	75-35-4	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		07/31/18 10:52	78-87-5	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		07/31/18 10:52	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		07/31/18 10:52	10061-02-6	
Ethylbenzene	**<1.0**	ug/L	1.0	1		07/31/18 10:52	100-41-4	
2-Hexanone	**<5.0**	ug/L	5.0	1		07/31/18 10:52	591-78-6	N2
Methylene Chloride	**<1.0**	ug/L	1.0	1		07/31/18 10:52	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		07/31/18 10:52	108-10-1	N2
Methyl-tert-butyl ether	**<1.0**	ug/L	1.0	1		07/31/18 10:52	1634-04-4	
Styrene	**<1.0**	ug/L	1.0	1		07/31/18 10:52	100-42-5	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		07/31/18 10:52	79-34-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		07/31/18 10:52	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		07/31/18 10:52	108-88-3	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		07/31/18 10:52	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		07/31/18 10:52	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	1		07/31/18 10:52	79-01-6	
Vinyl chloride	**<1.0**	ug/L	1.0	1		07/31/18 10:52	75-01-4	
Xylene (Total)	**<1.0**	ug/L	1.0	1		07/31/18 10:52	1330-20-7	
m&p-Xylene	**<1.0**	ug/L	1.0	1		07/31/18 10:52	179601-23-1	
o-Xylene	**<1.0**	ug/L	1.0	1		07/31/18 10:52	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	100	%	79-124	1		07/31/18 10:52	460-00-4	
Toluene-d8 (S)	99	%	69-127	1		07/31/18 10:52	2037-26-5	
1,2-Dichloroethane-d4 (S)	83	%	68-153	1		07/31/18 10:52	17060-07-0	
Preservation pH	**2.0**			1		07/31/18 10:52		
SM 4500 CNE Cyanide, Total	Analytical Method: SM22 4500-CN-E Preparation Method: SM20/22 4500-CN-C							
Cyanide	**<10.0**	ug/L	10.0	1	08/05/18 11:13	08/05/18 15:12	57-12-5	

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ANALYTICAL RESULTS

Project: Pelham M1-7/24
Pace Project No.: 7059320

Sample: M1 - GRAB COMPOSITE **Lab ID: 7059320006** Collected: 07/24/18 10:00 Received: 07/24/18 18:16 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500CNG Cyanide, Amenable	Analytical Method: SM22 4500-CN-E Preparation Method: SM22 4500-CN-G							
Amenable Cyanide	**<10.0**	ug/L	10.0	1	08/05/18 11:13	08/05/18 15:19	57-12-5	

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QUALITY CONTROL DATA

Project: Pelham M1-7/24
Pace Project No.: 7059320

QC Batch: 77358 Analysis Method: EPA 245.1
QC Batch Method: EPA 245.1 Analysis Description: 245.1 Mercury
Associated Lab Samples: 7059320005

METHOD BLANK: 355014 Matrix: Water
Associated Lab Samples: 7059320005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.20	0.20	08/01/18 14:13	

LABORATORY CONTROL SAMPLE: 355015

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	1	1.1	112	85-115	

MATRIX SPIKE SAMPLE: 355016

Parameter	Units	7059320005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	<0.20	1	1.3	126	70-130	

SAMPLE DUPLICATE: 355017

Parameter	Units	7059320005 Result	Dup Result	RPD	Qualifiers
Mercury	ug/L	<0.20	<0.20		

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QUALITY CONTROL DATA

Project: Pelham M1-7/24
Pace Project No.: 7059320

QC Batch: 77095
QC Batch Method: EPA 200.7
Analysis Method: EPA 200.7
Analysis Description: 200.7 Metals, Total
Associated Lab Samples: 7059320005

METHOD BLANK: 353826
Matrix: Water
Associated Lab Samples: 7059320005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cadmium	ug/L	<2.5	2.5	08/01/18 13:42	
Chromium	ug/L	<10.0	10.0	08/01/18 13:42	
Copper	ug/L	<25.0	25.0	08/01/18 13:42	
Lead	ug/L	<5.0	5.0	08/01/18 13:42	
Molybdenum	ug/L	<20.0	20.0	08/01/18 13:42	
Nickel	ug/L	<40.0	40.0	08/01/18 13:42	
Silver	ug/L	<10.0	10.0	08/01/18 13:42	
Zinc	ug/L	<20.0	20.0	08/01/18 13:42	

LABORATORY CONTROL SAMPLE: 353827

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cadmium	ug/L	50	48.4	97	85-115	
Chromium	ug/L	250	241	96	85-115	
Copper	ug/L	250	248	99	85-115	
Lead	ug/L	500	488	98	85-115	
Molybdenum	ug/L	500	474	95	85-115	
Nickel	ug/L	250	244	98	85-115	
Silver	ug/L	250	240	96	85-115	
Zinc	ug/L	1000	1000	100	85-115	

MATRIX SPIKE SAMPLE: 353829

Parameter	Units	7059272002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cadmium	ug/L	<2.5	50	48.9	98	70-130	
Chromium	ug/L	<10.0	250	246	98	70-130	
Copper	ug/L	<0.025 mg/L	250	266	101	70-130	
Lead	ug/L	<5.0	500	494	99	70-130	
Molybdenum	ug/L	<20.0	500	477	95	70-130	
Nickel	ug/L	<40.0	250	260	98	70-130	
Silver	ug/L	<10.0	250	271	108	70-130	
Zinc	ug/L	28.6	1000	1050	102	70-130	

SAMPLE DUPLICATE: 353828

Parameter	Units	7059272002 Result	Dup Result	RPD	Qualifiers
Cadmium	ug/L	<2.5	<2.5		

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QUALITY CONTROL DATA

Project: Pelham M1-7/24
Pace Project No.: 7059320

SAMPLE DUPLICATE: 353828

Parameter	Units	7059272002 Result	Dup Result	RPD	Qualifiers
Chromium	ug/L	<10.0	<10.0		
Copper	ug/L	<0.025 mg/L	<25.0		
Lead	ug/L	<5.0	<5.0		
Molybdenum	ug/L	<20.0	<20.0		
Nickel	ug/L	<40.0	<40.0		
Silver	ug/L	<10.0	<10.0		
Zinc	ug/L	28.6	28.9	1	

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QUALITY CONTROL DATA

Project: Pelham M1-7/24
Pace Project No.: 7059320

QC Batch: 77161 Analysis Method: EPA 624.1
QC Batch Method: EPA 624.1 Analysis Description: 624.1 MSV
Associated Lab Samples: 7059320006

METHOD BLANK: 354225 Matrix: Water
Associated Lab Samples: 7059320006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	07/31/18 08:39	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	07/31/18 08:39	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	07/31/18 08:39	
1,1-Dichloroethane	ug/L	<1.0	1.0	07/31/18 08:39	
1,1-Dichloroethene	ug/L	<1.0	1.0	07/31/18 08:39	
1,2-Dichlorobenzene	ug/L	<1.0	1.0	07/31/18 08:39	
1,2-Dichloroethane	ug/L	<1.0	1.0	07/31/18 08:39	
1,2-Dichloroethene (Total)	ug/L	<1.0	1.0	07/31/18 08:39	
1,2-Dichloropropane	ug/L	<1.0	1.0	07/31/18 08:39	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	07/31/18 08:39	
1,4-Dichlorobenzene	ug/L	<1.0	1.0	07/31/18 08:39	
2-Butanone (MEK)	ug/L	<5.0	5.0	07/31/18 08:39	CL,N2
2-Hexanone	ug/L	<5.0	5.0	07/31/18 08:39	N2
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	07/31/18 08:39	N2
Acetone	ug/L	<5.0	5.0	07/31/18 08:39	
Benzene	ug/L	<1.0	1.0	07/31/18 08:39	
Bromodichloromethane	ug/L	<1.0	1.0	07/31/18 08:39	
Bromoform	ug/L	<1.0	1.0	07/31/18 08:39	
Bromomethane	ug/L	<1.0	1.0	07/31/18 08:39	
Carbon disulfide	ug/L	<1.0	1.0	07/31/18 08:39	N2
Carbon tetrachloride	ug/L	<1.0	1.0	07/31/18 08:39	
Chlorobenzene	ug/L	<1.0	1.0	07/31/18 08:39	
Chloroethane	ug/L	<1.0	1.0	07/31/18 08:39	
Chloroform	ug/L	<1.0	1.0	07/31/18 08:39	
Chloromethane	ug/L	<1.0	1.0	07/31/18 08:39	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	07/31/18 08:39	
Dibromochloromethane	ug/L	<1.0	1.0	07/31/18 08:39	
Ethylbenzene	ug/L	<1.0	1.0	07/31/18 08:39	
m&p-Xylene	ug/L	<1.0	1.0	07/31/18 08:39	
Methyl-tert-butyl ether	ug/L	<1.0	1.0	07/31/18 08:39	
Methylene Chloride	ug/L	<1.0	1.0	07/31/18 08:39	
o-Xylene	ug/L	<1.0	1.0	07/31/18 08:39	
Styrene	ug/L	<1.0	1.0	07/31/18 08:39	
Tetrachloroethene	ug/L	<1.0	1.0	07/31/18 08:39	
Toluene	ug/L	<1.0	1.0	07/31/18 08:39	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	07/31/18 08:39	
Trichloroethene	ug/L	<1.0	1.0	07/31/18 08:39	
Vinyl chloride	ug/L	<1.0	1.0	07/31/18 08:39	
Xylene (Total)	ug/L	<1.0	1.0	07/31/18 08:39	
1,2-Dichloroethane-d4 (S)	%	83	68-153	07/31/18 08:39	
4-Bromofluorobenzene (S)	%	100	79-124	07/31/18 08:39	

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QUALITY CONTROL DATA

Project: Pelham M1-7/24
Pace Project No.: 7059320

METHOD BLANK: 354225 Matrix: Water
Associated Lab Samples: 7059320006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene-d8 (S)	%	100	69-127	07/31/18 08:39	

LABORATORY CONTROL SAMPLE: 354226

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	17.2	86	52-162	
1,1,2,2-Tetrachloroethane	ug/L	20	21.1	106	46-157	
1,1,2-Trichloroethane	ug/L	20	22.4	112	52-150	
1,1-Dichloroethane	ug/L	20	18.8	94	59-155	
1,1-Dichloroethene	ug/L	20	19.1	96	10-234	
1,2-Dichlorobenzene	ug/L	20	20.0	100	18-190	
1,2-Dichloroethane	ug/L	20	19.2	96	49-155	
1,2-Dichloroethene (Total)	ug/L	40	40.5	101	40-160	
1,2-Dichloropropane	ug/L	20	18.7	93	10-210	
1,3-Dichlorobenzene	ug/L	20	19.2	96	59-156	
1,4-Dichlorobenzene	ug/L	20	19.5	97	18-190	
2-Butanone (MEK)	ug/L	20	14.7	73	40-160	CL,N2
2-Hexanone	ug/L	20	18.5	92	40-160	N2
4-Methyl-2-pentanone (MIBK)	ug/L	20	17.6	88	40-160	N2
Acetone	ug/L	20	20.1	101	40-160	
Benzene	ug/L	20	19.1	96	65-135	
Bromodichloromethane	ug/L	20	19.7	99	35-155	
Bromoform	ug/L	20	22.5	112	45-169	
Bromomethane	ug/L	20	17.3	86	10-242	
Carbon disulfide	ug/L	20	17.0	85	40-160	N2
Carbon tetrachloride	ug/L	20	16.4	82	70-140	
Chlorobenzene	ug/L	20	21.8	109	37-160	
Chloroethane	ug/L	20	16.0	80	14-230	
Chloroform	ug/L	20	19.2	96	51-138	
Chloromethane	ug/L	20	12.8	64	10-273	
cis-1,3-Dichloropropene	ug/L	20	18.8	94	10-227	
Dibromochloromethane	ug/L	20	22.0	110	53-149	
Ethylbenzene	ug/L	20	20.5	103	37-162	
m&p-Xylene	ug/L	40	41.8	105	40-160	
Methyl-tert-butyl ether	ug/L	20	21.5	108	40-160	
Methylene Chloride	ug/L	20	21.4	107	10-221	
o-Xylene	ug/L	20	21.0	105	40-160	
Styrene	ug/L	20	21.1	105	40-160	
Tetrachloroethene	ug/L	20	20.1	100	64-148	
Toluene	ug/L	20	20.5	102	47-150	
trans-1,3-Dichloropropene	ug/L	20	18.9	94	17-183	
Trichloroethene	ug/L	20	19.8	99	70-157	
Vinyl chloride	ug/L	20	13.9	69	10-251	
Xylene (Total)	ug/L	60	62.8	105	40-160	

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QUALITY CONTROL DATA

Project: Pelham M1-7/24
Pace Project No.: 7059320

LABORATORY CONTROL SAMPLE: 354226

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane-d4 (S)	%			85	68-153	
4-Bromofluorobenzene (S)	%			103	79-124	
Toluene-d8 (S)	%			101	69-127	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 354227 354228

Parameter	Units	30260212001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,1,1-Trichloroethane	ug/L	ND	20	20	19.3	19.5	97	97	70-130	1	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	18.0	18.5	90	92	40-160	2	
1,1,2-Trichloroethane	ug/L	ND	20	20	19.5	20.4	97	102	70-130	5	
1,1-Dichloroethane	ug/L	ND	20	20	20.1	18.6	101	93	70-130	8	
1,1-Dichloroethene	ug/L	ND	20	20	24.2	22.2	121	111	50-150	9	
1,2-Dichlorobenzene	ug/L	ND	20	20	18.6	18.9	93	95	62-135	2	
1,2-Dichloroethane	ug/L	ND	20	20	18.2	18.3	91	91	70-130	0	
1,2-Dichloroethene (Total)	ug/L	ND	40	40	44.0	41.5	110	104	40-160	6	
1,2-Dichloropropane	ug/L	ND	20	20	18.4	18.2	92	91	35-165	1	
1,3-Dichlorobenzene	ug/L	ND	20	20	18.5	18.2	92	91	70-130	2	
1,4-Dichlorobenzene	ug/L	ND	20	20	18.5	18.3	92	92	65-135	1	
2-Butanone (MEK)	ug/L	ND	20	20	14.9	14.7	75	74	40-160	1	CL,N2
2-Hexanone	ug/L	ND	20	20	17.4	17.3	87	86	40-160	0	N2
4-Methyl-2-pentanone (MIBK)	ug/L	ND	20	20	14.6	14.7	73	73	40-160	0	N2
Acetone	ug/L	ND	20	20	29.1	27.5	145	138	40-160	6	
Benzene	ug/L	ND	20	20	20.2	19.8	101	99	37-151	2	
Bromodichloromethane	ug/L	ND	20	20	18.6	18.9	93	95	65-135	2	
Bromoform	ug/L	ND	20	20	19.1	19.4	95	97	70-130	2	
Bromomethane	ug/L	ND	20	20	20.2	20.5	101	102	15-185	2	
Carbon disulfide	ug/L	ND	20	20	21.7	20.2	109	101	40-160	7	N2
Carbon tetrachloride	ug/L	ND	20	20	19.8	19.3	99	96	70-130	3	
Chlorobenzene	ug/L	ND	20	20	20.9	20.7	105	103	65-135	1	
Chloroethane	ug/L	ND	20	20	19.7	18.3	99	92	40-160	7	
Chloroform	ug/L	ND	20	20	19.4	19.3	97	97	70-135	0	
Chloromethane	ug/L	ND	20	20	18.2	17.6	91	88	10-205	4	
cis-1,3-Dichloropropene	ug/L	ND	20	20	17.6	18.0	88	90	25-175	2	
Dibromochloromethane	ug/L	ND	20	20	19.5	19.8	97	99	70-135	2	
Ethylbenzene	ug/L	ND	20	20	21.0	20.4	105	102	40-160	3	
m&p-Xylene	ug/L	ND	40	40	42.2	41.5	105	104	40-160	2	
Methyl-tert-butyl ether	ug/L	ND	20	20	19.9	19.2	99	96	40-160	4	
Methylene Chloride	ug/L	ND	20	20	22.5	21.0	113	105	40-160	7	
o-Xylene	ug/L	ND	20	20	20.2	20.0	101	100	40-160	1	
Styrene	ug/L	ND	20	20	19.8	19.5	99	97	40-160	2	
Tetrachloroethene	ug/L	ND	20	20	22.5	21.3	113	107	70-130	6	
Toluene	ug/L	ND	20	20	21.1	20.7	105	103	70-130	2	
trans-1,3-Dichloropropene	ug/L	ND	20	20	16.8	17.3	84	87	50-150	3	
Trichloroethene	ug/L	ND	20	20	21.3	21.0	107	105	65-135	2	

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QUALITY CONTROL DATA

Project: Pelham M1-7/24
Pace Project No.: 7059320

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 354227 354228

Parameter	Units	30260212001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Vinyl chloride	ug/L	ND	20	20	20.6	19.1	103	96	40-160	7	
Xylene (Total)	ug/L	ND	60	60	62.4	61.4	104	102	40-160	2	
1,2-Dichloroethane-d4 (S)	%						86	85	68-153		
4-Bromofluorobenzene (S)	%						102	101	79-124		
Toluene-d8 (S)	%						99	98	69-127		
Preservation pH		2.0			2.0	2.0				0	

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QUALITY CONTROL DATA

Project: Pelham M1-7/24
Pace Project No.: 7059320

QC Batch: 78095
QC Batch Method: EPA 608.3
Analysis Method: EPA 608.3
Analysis Description: 608.3 GCSV PCB
Associated Lab Samples: 7059320005

METHOD BLANK: 358903
Matrix: Water
Associated Lab Samples: 7059320005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	<0.065	0.065	08/07/18 15:11	
PCB-1221 (Aroclor 1221)	ug/L	<0.065	0.065	08/07/18 15:11	
PCB-1232 (Aroclor 1232)	ug/L	<0.065	0.065	08/07/18 15:11	
PCB-1242 (Aroclor 1242)	ug/L	<0.065	0.065	08/07/18 15:11	
PCB-1248 (Aroclor 1248)	ug/L	<0.065	0.065	08/07/18 15:11	
PCB-1254 (Aroclor 1254)	ug/L	<0.065	0.065	08/07/18 15:11	
PCB-1260 (Aroclor 1260)	ug/L	<0.065	0.065	08/07/18 15:11	
Decachlorobiphenyl (S)	%	83	10-149	08/07/18 15:11	
Tetrachloro-m-xylene (S)	%	84	10-149	08/07/18 15:11	

LABORATORY CONTROL SAMPLE: 358904

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	.5	0.49	97	42-147	
PCB-1260 (Aroclor 1260)	ug/L	.5	0.47	95	51-144	
Decachlorobiphenyl (S)	%			82	10-149	
Tetrachloro-m-xylene (S)	%			79	16-128	

MATRIX SPIKE SAMPLE: 359035

Parameter	Units	7059742001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	<0.065	.5	0.51	103	53-126	
PCB-1221 (Aroclor 1221)	ug/L	<0.065		<0.065			
PCB-1232 (Aroclor 1232)	ug/L	<0.065		<0.065			
PCB-1242 (Aroclor 1242)	ug/L	<0.065		<0.065			
PCB-1248 (Aroclor 1248)	ug/L	<0.065		<0.065			
PCB-1254 (Aroclor 1254)	ug/L	<0.065		<0.065			
PCB-1260 (Aroclor 1260)	ug/L	<0.065	.5	0.44	88	51-144	
Decachlorobiphenyl (S)	%				41	10-149	
Tetrachloro-m-xylene (S)	%				78	10-149	

SAMPLE DUPLICATE: 360550

Parameter	Units	7060144004 Result	Dup Result	RPD	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L		<0.065		
PCB-1221 (Aroclor 1221)	ug/L		<0.065		
PCB-1232 (Aroclor 1232)	ug/L		<0.065		

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QUALITY CONTROL DATA

Project: Pelham M1-7/24
Pace Project No.: 7059320

SAMPLE DUPLICATE: 360550

Parameter	Units	7060144004 Result	Dup Result	RPD	Qualifiers
PCB-1242 (Aroclor 1242)	ug/L		11.5		E
PCB-1248 (Aroclor 1248)	ug/L		<0.065		
PCB-1254 (Aroclor 1254)	ug/L		<0.065		
PCB-1260 (Aroclor 1260)	ug/L		<0.065		
Decachlorobiphenyl (S)	%	51	42	21	
Tetrachloro-m-xylene (S)	%	93	81	14	

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QUALITY CONTROL DATA

Project: Pelham M1-7/24
Pace Project No.: 7059320

QC Batch: 77031 Analysis Method: EPA 625.1
QC Batch Method: EPA 625.1 SF Analysis Description: 625.1 MSSV
Associated Lab Samples: 7059320005

METHOD BLANK: 353585 Matrix: Water
Associated Lab Samples: 7059320005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	<1.0	1.0	07/31/18 11:44	
2,2'-Oxybis(1-chloropropane)	ug/L	<1.0	1.0	07/31/18 11:44	
2,4,5-Trichlorophenol	ug/L	<1.0	1.0	07/31/18 11:44	
2,4,6-Trichlorophenol	ug/L	<1.0	1.0	07/31/18 11:44	
2,4-Dichlorophenol	ug/L	<1.0	1.0	07/31/18 11:44	
2,4-Dimethylphenol	ug/L	<5.0	5.0	07/31/18 11:44	
2,4-Dinitrophenol	ug/L	<5.0	5.0	07/31/18 11:44	
2,4-Dinitrotoluene	ug/L	<1.0	1.0	07/31/18 11:44	
2,6-Dinitrotoluene	ug/L	<1.0	1.0	07/31/18 11:44	
2-Chloronaphthalene	ug/L	<1.0	1.0	07/31/18 11:44	
2-Chlorophenol	ug/L	<1.0	1.0	07/31/18 11:44	
2-Methylnaphthalene	ug/L	<1.0	1.0	07/31/18 11:44	N2
2-Methylphenol(o-Cresol)	ug/L	<1.0	1.0	07/31/18 11:44	
2-Nitroaniline	ug/L	<1.0	1.0	07/31/18 11:44	N2
2-Nitrophenol	ug/L	<1.0	1.0	07/31/18 11:44	
3&4-Methylphenol(m&p Cresol)	ug/L	<1.0	1.0	07/31/18 11:44	
3,3'-Dichlorobenzidine	ug/L	<1.0	1.0	07/31/18 11:44	
3-Nitroaniline	ug/L	<1.0	1.0	07/31/18 11:44	N2
4,6-Dinitro-2-methylphenol	ug/L	<5.0	5.0	07/31/18 11:44	
4-Bromophenylphenyl ether	ug/L	<1.0	1.0	07/31/18 11:44	
4-Chloro-3-methylphenol	ug/L	<1.0	1.0	07/31/18 11:44	
4-Chloroaniline	ug/L	<1.0	1.0	07/31/18 11:44	N2
4-Chlorophenylphenyl ether	ug/L	<1.0	1.0	07/31/18 11:44	
4-Nitroaniline	ug/L	<1.0	1.0	07/31/18 11:44	N2
4-Nitrophenol	ug/L	<5.0	5.0	07/31/18 11:44	
Acenaphthene	ug/L	<1.0	1.0	07/31/18 11:44	
Acenaphthylene	ug/L	<1.0	1.0	07/31/18 11:44	
Anthracene	ug/L	<1.0	1.0	07/31/18 11:44	
Benzo(a)anthracene	ug/L	<1.0	1.0	07/31/18 11:44	
Benzo(a)pyrene	ug/L	<1.0	1.0	07/31/18 11:44	
Benzo(b)fluoranthene	ug/L	<1.0	1.0	07/31/18 11:44	
Benzo(g,h,i)perylene	ug/L	<1.0	1.0	07/31/18 11:44	
Benzo(k)fluoranthene	ug/L	<1.0	1.0	07/31/18 11:44	
bis(2-Chloroethoxy)methane	ug/L	<1.0	1.0	07/31/18 11:44	
bis(2-Chloroethyl) ether	ug/L	<1.0	1.0	07/31/18 11:44	
bis(2-Ethylhexyl)phthalate	ug/L	<1.0	1.0	07/31/18 11:44	
Butylbenzylphthalate	ug/L	<1.0	1.0	07/31/18 11:44	
Carbazole	ug/L	<1.0	1.0	07/31/18 11:44	IL
Chrysene	ug/L	<1.0	1.0	07/31/18 11:44	
Di-n-butylphthalate	ug/L	<1.0	1.0	07/31/18 11:44	
Di-n-octylphthalate	ug/L	<1.0	1.0	07/31/18 11:44	

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QUALITY CONTROL DATA

Project: Pelham M1-7/24
Pace Project No.: 7059320

METHOD BLANK: 353585 Matrix: Water
Associated Lab Samples: 7059320005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibenz(a,h)anthracene	ug/L	<1.0	1.0	07/31/18 11:44	
Diethylphthalate	ug/L	<1.0	1.0	07/31/18 11:44	
Dimethylphthalate	ug/L	<1.0	1.0	07/31/18 11:44	
Fluoranthene	ug/L	<1.0	1.0	07/31/18 11:44	
Fluorene	ug/L	<1.0	1.0	07/31/18 11:44	
Hexachloro-1,3-butadiene	ug/L	<1.0	1.0	07/31/18 11:44	
Hexachlorobenzene	ug/L	<1.0	1.0	07/31/18 11:44	
Hexachlorocyclopentadiene	ug/L	<5.0	5.0	07/31/18 11:44	CL
Hexachloroethane	ug/L	<1.0	1.0	07/31/18 11:44	
Indeno(1,2,3-cd)pyrene	ug/L	<1.0	1.0	07/31/18 11:44	
Isophorone	ug/L	<1.0	1.0	07/31/18 11:44	
N-Nitroso-di-n-propylamine	ug/L	<1.0	1.0	07/31/18 11:44	
N-Nitrosodiphenylamine	ug/L	<1.0	1.0	07/31/18 11:44	
Naphthalene	ug/L	<1.0	1.0	07/31/18 11:44	
Nitrobenzene	ug/L	<1.0	1.0	07/31/18 11:44	
Pentachlorophenol	ug/L	<5.0	5.0	07/31/18 11:44	
Phenanthrene	ug/L	<1.0	1.0	07/31/18 11:44	
Phenol	ug/L	<1.0	1.0	07/31/18 11:44	
Pyrene	ug/L	<1.0	1.0	07/31/18 11:44	
1,2-Dichlorobenzene-d4 (S)	%	46	16-110	07/31/18 11:44	
2,4,6-Tribromophenol (S)	%	56	10-123	07/31/18 11:44	
2-Chlorophenol-d4 (S)	%	55	33-110	07/31/18 11:44	
2-Fluorobiphenyl (S)	%	55	60-140	07/31/18 11:44	S0
2-Fluorophenol (S)	%	44	60-140	07/31/18 11:44	S0
Nitrobenzene-d5 (S)	%	60	35-114	07/31/18 11:44	
p-Terphenyl-d14 (S)	%	74	33-141	07/31/18 11:44	
Phenol-d5 (S)	%	32	10-110	07/31/18 11:44	

LABORATORY CONTROL SAMPLE: 353586

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	32.9	66	57-130	
2,2'-Oxybis(1-chloropropane)	ug/L	50	34.1	68	63-139	
2,4,5-Trichlorophenol	ug/L	50	36.4	73	41-121	
2,4,6-Trichlorophenol	ug/L	50	37.7	75	52-129	
2,4-Dichlorophenol	ug/L	50	36.5	73	53-122	
2,4-Dimethylphenol	ug/L	50	17.2	34	42-120	L2
2,4-Dinitrophenol	ug/L	50	38.0	76	10-173	
2,4-Dinitrotoluene	ug/L	50	45.0	90	48-127	
2,6-Dinitrotoluene	ug/L	50	42.7	85	68-137	
2-Chloronaphthalene	ug/L	50	35.2	70	65-120	
2-Chlorophenol	ug/L	50	31.8	64	36-120	
2-Methylnaphthalene	ug/L	50	33.1	66	25-98	N2
2-Methylphenol(o-Cresol)	ug/L	50	30.3	61	41-131	

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QUALITY CONTROL DATA

Project: Pelham M1-7/24
Pace Project No.: 7059320

LABORATORY CONTROL SAMPLE: 353586

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Nitroaniline	ug/L	50	39.8	80	55-115	N2
2-Nitrophenol	ug/L	50	37.1	74	45-167	
3&4-Methylphenol(m&p Cresol)	ug/L	50	26.7	53	43-119	
3,3'-Dichlorobenzidine	ug/L	50	41.7	83	8-213	
3-Nitroaniline	ug/L	50	42.0	84	51-123	N2
4,6-Dinitro-2-methylphenol	ug/L	50	59.0	118	53-130	IH
4-Bromophenylphenyl ether	ug/L	50	37.9	76	65-120	
4-Chloro-3-methylphenol	ug/L	50	39.8	80	41-128	
4-Chloroaniline	ug/L	50	35.2	70	55-102	N2
4-Chlorophenylphenyl ether	ug/L	50	36.4	73	38-145	
4-Nitroaniline	ug/L	50	45.1	90	63-116	N2
4-Nitrophenol	ug/L	50	20.3	41	13-129	
Acenaphthene	ug/L	50	35.9	72	60-132	
Acenaphthylene	ug/L	50	34.1	68	54-126	
Anthracene	ug/L	50	37.9	76	43-120	
Benzo(a)anthracene	ug/L	50	40.7	81	42-133	
Benzo(a)pyrene	ug/L	50	40.0	80	32-148	
Benzo(b)fluoranthene	ug/L	50	38.1	76	42-140	
Benzo(g,h,i)perylene	ug/L	50	41.2	82	10-195	
Benzo(k)fluoranthene	ug/L	50	39.1	78	25-146	
bis(2-Chloroethoxy)methane	ug/L	50	32.7	65	49-165	
bis(2-Chloroethyl) ether	ug/L	50	31.6	63	43-126	
bis(2-Ethylhexyl)phthalate	ug/L	50	42.7	85	29-137	
Butylbenzylphthalate	ug/L	50	42.3	85	10-140	
Carbazole	ug/L	50	38.5	77	49-116	IL
Chrysene	ug/L	50	42.2	84	44-140	
Di-n-butylphthalate	ug/L	50	36.4	73	8-120	
Di-n-octylphthalate	ug/L	50	39.1	78	19-132	
Dibenz(a,h)anthracene	ug/L	50	40.7	81	10-200	
Diethylphthalate	ug/L	50	39.7	79	10-120	
Dimethylphthalate	ug/L	50	39.6	79	10-120	
Fluoranthene	ug/L	50	38.2	76	43-121	
Fluorene	ug/L	50	35.8	72	70-120	
Hexachloro-1,3-butadiene	ug/L	50	33.1	66	38-120	
Hexachlorobenzene	ug/L	50	37.4	75	8-142	
Hexachlorocyclopentadiene	ug/L	50	36.2	72	13-119	CL
Hexachloroethane	ug/L	50	30.0	60	55-120	
Indeno(1,2,3-cd)pyrene	ug/L	50	42.3	85	10-151	
Isophorone	ug/L	50	35.8	72	47-180	
N-Nitroso-di-n-propylamine	ug/L	50	33.6	67	14-198	
N-Nitrosodiphenylamine	ug/L	50	39.0	78	27-135	
Naphthalene	ug/L	50	31.7	63	36-120	
Nitrobenzene	ug/L	50	33.4	67	54-158	
Pentachlorophenol	ug/L	50	35.7	71	38-152	
Phenanthrene	ug/L	50	39.1	78	65-120	
Phenol	ug/L	50	19.0	38	17-120	
Pyrene	ug/L	50	38.3	77	70-120	

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QUALITY CONTROL DATA

Project: Pelham M1-7/24
Pace Project No.: 7059320

LABORATORY CONTROL SAMPLE: 353586

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene-d4 (S)	%			50	16-110	
2,4,6-Tribromophenol (S)	%			75	10-123	
2-Chlorophenol-d4 (S)	%			62	33-110	
2-Fluorobiphenyl (S)	%			61	60-140	
2-Fluorophenol (S)	%			49	60-140	S0
Nitrobenzene-d5 (S)	%			70	35-114	
p-Terphenyl-d14 (S)	%			84	33-141	
Phenol-d5 (S)	%			34	10-110	

MATRIX SPIKE SAMPLE: 353624

Parameter	Units	7059347001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	<0.24	50	33.5	67	44-142	
2,2'-Oxybis(1-chloropropane)	ug/L	<0.16	50	35.7	71	36-166	
2,4,5-Trichlorophenol	ug/L	<0.27	50	39.2	78	41-121	
2,4,6-Trichlorophenol	ug/L	<0.16	50	39.7	79	37-144	
2,4-Dichlorophenol	ug/L	<0.23	50	35.9	72	39-135	
2,4-Dimethylphenol	ug/L	<0.60	50	32.8	66	32-120	
2,4-Dinitrophenol	ug/L	<2.5	50	52.3	105	10-191	
2,4-Dinitrotoluene	ug/L	<0.20	50	45.6	91	39-139	
2,6-Dinitrotoluene	ug/L	<0.32	50	43.8	88	50-158	
2-Chloronaphthalene	ug/L	<0.28	50	36.0	72	60-120	
2-Chlorophenol	ug/L	<0.18	50	31.4	63	22-134	
2-Methylnaphthalene	ug/L	<0.21	50	33.2	66	25-98	N2
2-Methylphenol(o-Cresol)	ug/L	<0.27	50	30.9	62	41-131	
2-Nitroaniline	ug/L	<0.29	50	40.6	81	55-115	N2
2-Nitrophenol	ug/L	<0.27	50	37.7	75	29-182	
3&4-Methylphenol(m&p Cresol)	ug/L	<0.28	50	25.9	52	43-119	
3,3'-Dichlorobenzidine	ug/L	<0.16	50	16.2	32	10-262	
3-Nitroaniline	ug/L	<0.29	50	36.6	73	51-123	N2
4,6-Dinitro-2-methylphenol	ug/L	<1.9	50	68.4	137	10-181	IH
4-Bromophenylphenyl ether	ug/L	<0.17	50	38.9	78	53-127	
4-Chloro-3-methylphenol	ug/L	<0.19	50	38.6	77	22-147	
4-Chloroaniline	ug/L	<0.37	50	25.6	51	55-102	M1,N2
4-Chlorophenylphenyl ether	ug/L	<0.28	50	37.7	75	25-158	
4-Nitroaniline	ug/L	0.55J	50	40.0	79	63-116	N2
4-Nitrophenol	ug/L	<2.5	50	21.7	43	10-132	
Acenaphthene	ug/L	<0.18	50	37.5	75	47-145	
Acenaphthylene	ug/L	<0.20	50	35.2	70	33-145	
Anthracene	ug/L	<0.14	50	38.7	77	27-133	
Benzo(a)anthracene	ug/L	<0.12	50	40.6	81	33-143	
Benzo(a)pyrene	ug/L	<0.096	50	40.1	80	17-163	
Benzo(b)fluoranthene	ug/L	<0.15	50	39.4	79	24-159	
Benzo(g,h,i)perylene	ug/L	<0.68	50	44.2	88	10-219	
Benzo(k)fluoranthene	ug/L	<0.093	50	37.5	75	11-162	

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QUALITY CONTROL DATA

Project: Pelham M1-7/24
Pace Project No.: 7059320

MATRIX SPIKE SAMPLE: 353624

Parameter	Units	7059347001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
bis(2-Chloroethoxy)methane	ug/L	<0.44	50	30.7	61	33-184	
bis(2-Chloroethyl) ether	ug/L	<0.17	50	32.9	66	12-158	
bis(2-Ethylhexyl)phthalate	ug/L	<0.13	50	42.7	85	8-158	
Butylbenzylphthalate	ug/L	<0.24	50	41.4	83	10-152	
Carbazole	ug/L	<0.12	50	39.7	79	49-116	IL
Chrysene	ug/L	<0.17	50	41.6	83	17-168	
Di-n-butylphthalate	ug/L	<0.17	50	36.3	73	1-120	
Di-n-octylphthalate	ug/L	<0.20	50	39.2	78	4-146	
Dibenz(a,h)anthracene	ug/L	<0.35	50	42.4	85	10-227	
Diethylphthalate	ug/L	<0.14	50	40.2	80	10-120	
Dimethylphthalate	ug/L	<0.18	50	39.8	80	10-120	
Fluoranthene	ug/L	<0.27	50	38.6	77	26-137	
Fluorene	ug/L	<0.20	50	37.5	75	59-121	
Hexachloro-1,3-butadiene	ug/L	<0.41	50	34.0	68	24-120	
Hexachlorobenzene	ug/L	<0.22	50	38.2	76	10-152	
Hexachlorocyclopentadiene	ug/L	<2.5	50	38.1	76	13-119	CL
Hexachloroethane	ug/L	<0.19	50	31.9	64	40-120	
Indeno(1,2,3-cd)pyrene	ug/L	<0.25	50	46.2	92	10-171	
Isophorone	ug/L	<0.13	50	36.1	72	21-196	
N-Nitroso-di-n-propylamine	ug/L	<0.29	50	33.9	68	10-230	
N-Nitrosodiphenylamine	ug/L	<0.26	50	30.6	61	27-135	
Naphthalene	ug/L	<0.28	50	32.3	65	21-133	
Nitrobenzene	ug/L	<0.39	50	34.6	69	35-180	
Pentachlorophenol	ug/L	<2.5	50	42.1	84	14-176	
Phenanthrene	ug/L	<0.21	50	40.6	81	54-120	
Phenol	ug/L	<0.14	50	16.7	33	5-120	
Pyrene	ug/L	<0.20	50	37.9	76	52-120	
1,2-Dichlorobenzene-d4 (S)	%				53	16-110	
2,4,6-Tribromophenol (S)	%				77	10-123	
2-Chlorophenol-d4 (S)	%				61	33-110	
2-Fluorobiphenyl (S)	%				64	60-140	
2-Fluorophenol (S)	%				44	60-140	S0
Nitrobenzene-d5 (S)	%				69	35-114	
p-Terphenyl-d14 (S)	%				78	33-141	
Phenol-d5 (S)	%				29	10-110	

SAMPLE DUPLICATE: 353625

Parameter	Units	7059347002 Result	Dup Result	RPD	Qualifiers
1,2,4-Trichlorobenzene	ug/L	<0.24	<1.0		
2,2'-Oxybis(1-chloropropane)	ug/L	<0.16	<1.0		
2,4,5-Trichlorophenol	ug/L	<0.27	<1.0		
2,4,6-Trichlorophenol	ug/L	<0.16	<1.0		
2,4-Dichlorophenol	ug/L	<0.23	<1.0		
2,4-Dimethylphenol	ug/L	<0.60	<5.0		

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(631)694-3040

QUALITY CONTROL DATA

Project: Pelham M1-7/24
Pace Project No.: 7059320

SAMPLE DUPLICATE: 353625

Parameter	Units	7059347002 Result	Dup Result	RPD	Qualifiers
2,4-Dinitrophenol	ug/L	<2.5	<5.0		
2,4-Dinitrotoluene	ug/L	<0.20	<1.0		
2,6-Dinitrotoluene	ug/L	<0.32	<1.0		
2-Chloronaphthalene	ug/L	<0.28	<1.0		
2-Chlorophenol	ug/L	<0.18	<1.0		
2-Methylnaphthalene	ug/L	<0.21	<1.0		N2
2-Methylphenol(o-Cresol)	ug/L	<0.27	<1.0		
2-Nitroaniline	ug/L	<0.29	<1.0		N2
2-Nitrophenol	ug/L	1.3	1.1	18	
3&4-Methylphenol(m&p Cresol)	ug/L	<0.28	<1.0		
3,3'-Dichlorobenzidine	ug/L	<0.16	<1.0		
3-Nitroaniline	ug/L	<0.29	<1.0		N2
4,6-Dinitro-2-methylphenol	ug/L	<1.9	<5.0		
4-Bromophenylphenyl ether	ug/L	<0.17	<1.0		
4-Chloro-3-methylphenol	ug/L	<0.19	<1.0		
4-Chloroaniline	ug/L	<0.37	<1.0		N2
4-Chlorophenylphenyl ether	ug/L	<0.28	<1.0		
4-Nitroaniline	ug/L	<0.33	<1.0		N2
4-Nitrophenol	ug/L	<2.5	<5.0		
Acenaphthene	ug/L	0.89J	1.0		
Acenaphthylene	ug/L	<0.20	<1.0		
Anthracene	ug/L	<0.14	<1.0		
Benzo(a)anthracene	ug/L	<0.12	<1.0		
Benzo(a)pyrene	ug/L	<0.096	<1.0		
Benzo(b)fluoranthene	ug/L	<0.15	<1.0		
Benzo(g,h,i)perylene	ug/L	<0.68	<1.0		
Benzo(k)fluoranthene	ug/L	<0.093	<1.0		
bis(2-Chloroethoxy)methane	ug/L	<0.44	<1.0		
bis(2-Chloroethyl) ether	ug/L	<0.17	<1.0		
bis(2-Ethylhexyl)phthalate	ug/L	<0.13	<1.0		
Butylbenzylphthalate	ug/L	<0.24	<1.0		
Carbazole	ug/L	<0.12	<1.0		IL
Chrysene	ug/L	<0.17	<1.0		
Di-n-butylphthalate	ug/L	<0.17	<1.0		
Di-n-octylphthalate	ug/L	<0.20	<1.0		
Dibenz(a,h)anthracene	ug/L	<0.35	<1.0		
Diethylphthalate	ug/L	<0.14	<1.0		
Dimethylphthalate	ug/L	<0.18	<1.0		
Fluoranthene	ug/L	<0.27	<1.0		
Fluorene	ug/L	1.1	1.3	14	
Hexachloro-1,3-butadiene	ug/L	<0.41	<1.0		
Hexachlorobenzene	ug/L	<0.22	<1.0		
Hexachlorocyclopentadiene	ug/L	<2.5	<5.0		CL
Hexachloroethane	ug/L	<0.19	<1.0		
Indeno(1,2,3-cd)pyrene	ug/L	<0.25	<1.0		
Isophorone	ug/L	<0.13	<1.0		
N-Nitroso-di-n-propylamine	ug/L	<0.29	<1.0		

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QUALITY CONTROL DATA

Project: Pelham M1-7/24
Pace Project No.: 7059320

SAMPLE DUPLICATE: 353625

Parameter	Units	7059347002 Result	Dup Result	RPD	Qualifiers
N-Nitrosodiphenylamine	ug/L	<0.26	<1.0		
Naphthalene	ug/L	<0.28	<1.0		
Nitrobenzene	ug/L	685	424	47	D6,E
Pentachlorophenol	ug/L	<2.5	<5.0		
Phenanthrene	ug/L	1.0	1.2	13	
Phenol	ug/L	<0.14	<1.0		
Pyrene	ug/L	<0.20	<1.0		
1,2-Dichlorobenzene-d4 (S)	%	57	61	6	
2,4,6-Tribromophenol (S)	%	72	81	12	
2-Chlorophenol-d4 (S)	%	59	63	8	
2-Fluorobiphenyl (S)	%	62	67	7	
2-Fluorophenol (S)	%	43	46	7	S0
Nitrobenzene-d5 (S)	%	74	80	8	
p-Terphenyl-d14 (S)	%	71	78	10	
Phenol-d5 (S)	%	27	32	16	

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QUALITY CONTROL DATA

Project: Pelham M1-7/24
Pace Project No.: 7059320

QC Batch: 77050 Analysis Method: EPA 1664A
QC Batch Method: EPA 1664A Analysis Description: 1664 HEM, Oil and Grease
Associated Lab Samples: 7059320001, 7059320002, 7059320003, 7059320004

METHOD BLANK: 353655 Matrix: Water
Associated Lab Samples: 7059320001, 7059320002, 7059320003, 7059320004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	<5.0	5.0	07/30/18 12:46	

LABORATORY CONTROL SAMPLE & LCSD: 353656 353657

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	40	39.1	37.4	98	94	78-114	4	20	

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QUALITY CONTROL DATA

Project: Pelham M1-7/24
Pace Project No.: 7059320

QC Batch: 77256 Analysis Method: SM22 2540D
QC Batch Method: SM22 2540D Analysis Description: 2540D Total Suspended Solids
Associated Lab Samples: 7059320001, 7059320002, 7059320003, 7059320004

METHOD BLANK: 354583 Matrix: Water
Associated Lab Samples: 7059320001, 7059320002, 7059320003, 7059320004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	<1.0	1.0	07/31/18 16:37	

LABORATORY CONTROL SAMPLE: 354584

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	200	198	99	85-115	

SAMPLE DUPLICATE: 354585

Parameter	Units	7059320001 Result	Dup Result	RPD	Qualifiers
Total Suspended Solids	mg/L	<10.0	<10.0		

SAMPLE DUPLICATE: 354586

Parameter	Units	7059811001 Result	Dup Result	RPD	Qualifiers
Total Suspended Solids	mg/L	178	192	8	

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QUALITY CONTROL DATA

Project: Pelham M1-7/24
Pace Project No.: 7059320

QC Batch: 76424
QC Batch Method: SM22 3500-Cr B
Associated Lab Samples: 7059320005

Analysis Method: SM22 3500-Cr B
Analysis Description: Chromium, Hexavalent by 3500

METHOD BLANK: 351396 Matrix: Water
Associated Lab Samples: 7059320005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chromium, Hexavalent	mg/L	<0.020	0.020	07/25/18 08:41	

LABORATORY CONTROL SAMPLE: 351397

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	mg/L	.2	0.20	102	85-115	

MATRIX SPIKE SAMPLE: 351398

Parameter	Units	7059320005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	mg/L	<0.020	.2	0.21	103	75-125	

SAMPLE DUPLICATE: 351399

Parameter	Units	7059320005 Result	Dup Result	RPD	Qualifiers
Chromium, Hexavalent	mg/L	<0.020	<0.020		

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QUALITY CONTROL DATA

Project: Pelham M1-7/24
Pace Project No.: 7059320

QC Batch: 76504 Analysis Method: SM22 4500-H+B
QC Batch Method: SM22 4500-H+B Analysis Description: 4500H+B pH
Associated Lab Samples: 7059320001, 7059320002, 7059320003, 7059320004

SAMPLE DUPLICATE: 351630

Parameter	Units	7057720001 Result	Dup Result	RPD	Qualifiers
pH	Std. Units	7.0	7.1	1	H3,H6
Temperature, Water (C)	deg C	24.1	24.3	1	H3,H6

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QUALITY CONTROL DATA

Project: Pelham M1-7/24
Pace Project No.: 7059320

QC Batch: 76557 Analysis Method: SM22 5210B
QC Batch Method: SM22 5210B Analysis Description: 5210B cBOD, 5 day
Associated Lab Samples: 7059320005

METHOD BLANK: 351798 Matrix: Water
Associated Lab Samples: 7059320005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Carbonaceous BOD, 5 day	mg/L	<2.0	2.0	07/30/18 10:24	

LABORATORY CONTROL SAMPLE: 351799

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbonaceous BOD, 5 day	mg/L	198	185	94	84.5-115.4	

SAMPLE DUPLICATE: 351800

Parameter	Units	7059334001 Result	Dup Result	RPD	Qualifiers
Carbonaceous BOD, 5 day	mg/L	32.5	32.8	1	

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QUALITY CONTROL DATA

Project: Pelham M1-7/24
Pace Project No.: 7059320

QC Batch: 77493 Analysis Method: EPA 351.2
QC Batch Method: EPA 351.2 Analysis Description: 351.2 TKN
Associated Lab Samples: 7059320005

METHOD BLANK: 355861 Matrix: Water
Associated Lab Samples: 7059320005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	<0.10	0.10	08/02/18 13:55	

LABORATORY CONTROL SAMPLE: 355862

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	4	4.1	101	90-110	

MATRIX SPIKE SAMPLE: 355863

Parameter	Units	7059948001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	<0.10	4	1.8	43	90-110	M1

MATRIX SPIKE SAMPLE: 355865

Parameter	Units	7059694002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	0.28	4	3.1	70	90-110	M1

SAMPLE DUPLICATE: 355864

Parameter	Units	7059948001 Result	Dup Result	RPD	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	<0.10	<0.10		

SAMPLE DUPLICATE: 355866

Parameter	Units	7059694002 Result	Dup Result	RPD	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	0.28	0.25	11	

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QUALITY CONTROL DATA

Project: Pelham M1-7/24
Pace Project No.: 7059320

QC Batch: 76404
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrite, Unpres.
Associated Lab Samples: 7059320005

METHOD BLANK: 351300 Matrix: Water
Associated Lab Samples: 7059320005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	<0.050	0.050	07/24/18 19:01	

LABORATORY CONTROL SAMPLE: 351301

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	1	1.0	104	90-110	

MATRIX SPIKE SAMPLE: 351302

Parameter	Units	7059180001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	.5	0.45	91	90-110	

MATRIX SPIKE SAMPLE: 351304

Parameter	Units	7059296001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	.5	0.58	117	90-110	M1

SAMPLE DUPLICATE: 351303

Parameter	Units	7059180001 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

SAMPLE DUPLICATE: 351305

Parameter	Units	7059296001 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

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QUALITY CONTROL DATA

Project: Pelham M1-7/24
Pace Project No.: 7059320

QC Batch: 76412
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, preserved
Associated Lab Samples: 7059320005

METHOD BLANK: 351348 Matrix: Water
Associated Lab Samples: 7059320005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	0.050	07/24/18 20:33	

LABORATORY CONTROL SAMPLE: 351349

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	1	0.95	95	90-110	

MATRIX SPIKE SAMPLE: 351350

Parameter	Units	7059302001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	.5	0.56	105	90-110	

MATRIX SPIKE SAMPLE: 351352

Parameter	Units	7059239001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	8.2	5	13.1	98	90-110	

SAMPLE DUPLICATE: 351351

Parameter	Units	7059302001 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	<0.050		

SAMPLE DUPLICATE: 351353

Parameter	Units	7059239001 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	8.2	8.1	2	

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QUALITY CONTROL DATA

Project: Pelham M1-7/24
Pace Project No.: 7059320

QC Batch: 77861 Analysis Method: SM22 4500-CN-E
QC Batch Method: SM20/22 4500-CN-C Analysis Description: 4500 CNE Cyanide, Total
Associated Lab Samples: 7059320006

METHOD BLANK: 358020 Matrix: Water
Associated Lab Samples: 7059320006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	ug/L	<10.0	10.0	08/05/18 15:10	

LABORATORY CONTROL SAMPLE: 358021

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	ug/L	75	66.7	89	85-115	

MATRIX SPIKE SAMPLE: 358022

Parameter	Units	7059802001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cyanide	ug/L	<0.010 mg/L	100	92.5	91	75-125	

SAMPLE DUPLICATE: 358023

Parameter	Units	7059802001 Result	Dup Result	RPD	Qualifiers
Cyanide	ug/L	<0.010 mg/L	<10.0		

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QUALITY CONTROL DATA

Project: Pelham M1-7/24
Pace Project No.: 7059320

QC Batch: 77215 Analysis Method: SM22 4500-Cl-E
QC Batch Method: SM22 4500-Cl-E Analysis Description: 4500 Chloride
Associated Lab Samples: 7059320005

METHOD BLANK: 354316 Matrix: Water
Associated Lab Samples: 7059320005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<2.0	2.0	07/31/18 12:50	

LABORATORY CONTROL SAMPLE: 354317

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	54.6	109	90-110	

MATRIX SPIKE SAMPLE: 354318

Parameter	Units	7059563001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	39.5	25	63.9	98	80-120	

SAMPLE DUPLICATE: 354319

Parameter	Units	7059563001 Result	Dup Result	RPD	Qualifiers
Chloride	mg/L	39.5	39.6	0	

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QUALITY CONTROL DATA

Project: Pelham M1-7/24
Pace Project No.: 7059320

QC Batch: 77862 Analysis Method: SM22 4500-CN-E
QC Batch Method: SM22 4500-CN-G Analysis Description: 4500CNG Cyanide, Amenable
Associated Lab Samples: 7059320006

METHOD BLANK: 358024 Matrix: Water
Associated Lab Samples: 7059320006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Amenable Cyanide	ug/L	<10.0	10.0	08/05/18 15:19	

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QUALIFIERS

Project: Pelham M1-7/24
Pace Project No.: 7059320

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
D6	The precision between the sample and sample duplicate exceeded laboratory control limits.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
H3	Sample was received or analysis requested beyond the recognized method holding time.
H6	Analysis initiated outside of the 15 minute EPA recommended holding time.
IH	This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.
IL	This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
N2	The lab does not hold NELAC/TNI accreditation for this parameter.
S0	Surrogate recovery outside laboratory control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Pelham M1-7/24
Pace Project No.: 7059320

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7059320005	**M1 - 24 HOUR FIELD COMPOSITE**	EPA 608.3	78095	EPA 608.3	78205
7059320005	**M1 - 24 HOUR FIELD COMPOSITE**	EPA 200.7	77095	EPA 200.7	77110
7059320005	**M1 - 24 HOUR FIELD COMPOSITE**	EPA 245.1	77358	EPA 245.1	77427
7059320005	**M1 - 24 HOUR FIELD COMPOSITE**	EPA 625.1 SF	77031	EPA 625.1	77120
7059320006	**M1 - GRAB COMPOSITE**	EPA 624.1	77161		
7059320001	**M1 - 7:00 - GRAB #1**	EPA 1664A	77050		
7059320002	**M1 - 8:00 - GRAB #2**	EPA 1664A	77050		
7059320003	**M1 - 9:00 - GRAB #3**	EPA 1664A	77050		
7059320004	**M1 - 10:00 - GRAB #4**	EPA 1664A	77050		
7059320001	**M1 - 7:00 - GRAB #1**	SM22 2540D	77256		
7059320002	**M1 - 8:00 - GRAB #2**	SM22 2540D	77256		
7059320003	**M1 - 9:00 - GRAB #3**	SM22 2540D	77256		
7059320004	**M1 - 10:00 - GRAB #4**	SM22 2540D	77256		
7059320005	**M1 - 24 HOUR FIELD COMPOSITE**	SM22 3500-Cr B	76424		
7059320001	**M1 - 7:00 - GRAB #1**	SM22 4500-H+B	76504		
7059320002	**M1 - 8:00 - GRAB #2**	SM22 4500-H+B	76504		
7059320003	**M1 - 9:00 - GRAB #3**	SM22 4500-H+B	76504		
7059320004	**M1 - 10:00 - GRAB #4**	SM22 4500-H+B	76504		
7059320005	**M1 - 24 HOUR FIELD COMPOSITE**	SM22 5210B	76557	SM22 5210B	77188
7059320005	**M1 - 24 HOUR FIELD COMPOSITE**	SM22 4500-N	77697		
7059320005	**M1 - 24 HOUR FIELD COMPOSITE**	EPA 351.2	77493	EPA 351.2	77534
7059320005	**M1 - 24 HOUR FIELD COMPOSITE**	EPA 353.2	76412		
7059320005	**M1 - 24 HOUR FIELD COMPOSITE**	EPA 353.2	76404		
7059320006	**M1 - GRAB COMPOSITE**	SM20/22 4500-CN-C	77861	SM22 4500-CN-E	77869
7059320005	**M1 - 24 HOUR FIELD COMPOSITE**	SM22 4500-Cl-E	77215		
7059320006	**M1 - GRAB COMPOSITE**	SM22 4500-CN-G	77862	SM22 4500-CN-E	77870

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Pace Analytical
575 Broad Hollow Road
Melville, NY 11747

CHAIN OF CUST

WO#:7059320

7059320

PELHAM BAY LANDFILL

M1

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: Andre Dziegelewski	
Source: **Pelham Bay Landfill**	
Job No.:	

Laboratory Use Only
Samples were:
1. Shipped____ or Hand Delivered____ Airbill#_____
2. Ambient or Chilled; **Temperature** _____
3. Received in good condition Yes or No
4. Properly preserved Yes or No
• Discrepancies between labels and COC? Yes or No

MATRIX (Water, Soil, etc.)	COLLECTED DATE	COLLECTED TIME	SAMPLE IDENTIFICATION	Total Number of Containers: 27	VOCs (Grabs composited at Lab) 40 mL VIALS	Cyanide (Grabs composited at Lab) 60 mL Plastic [NaOH]	TSS, pH 500 mL Plastic	Oil & Grease 1 Liter Amber Glass [HCl]	Non Metals 1 Liter Plastic	Metals 250 mL Plastic [HNO_3]	Total N, TKN 250 mL Plastic [H_2SO_4]	SVOC (625) and PCB (608) 1 Liter Amber Glass	Field Ph	Lab. ID #	REMARKS
Water	7/24/18	7:00	M1 - 7:00 - Grab #1	5	2	1	1	1							001 006
Water	7/24/18	8:00	M1 - 8:00 - Grab #2	5	2	1	1	1							002
Water	7/24/18	9:00	M1 - 9:00 - Grab #3	5	2	1	1	1							003
Water	7/24/18	10:00	M1 - 10:00 - Grab #4	5	2	1	1	1							004
Start:	7/23/18	9:00	M1 - 24 Hour Field Composite												005 006
End:	7/24/18	10:00		7					1	1	1	4			

Relinquished by: (Signature)	Date:	SEAL INTACT? YES NO NA	Received by: (Signature)	Relinquished by: (Signature)	Date:	SEAL INTACT? YES NO NA	Received by: (Signature)
Representing: STRATIS	Time: 15:15		Representing:	Representing:	Time: 15:15		Representing: 7/24/18 18:13
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:

Sample Condition Upon Receipt

Pace Analytical

WO#: 7059320

PM: JSA Due Date: 08/08/18

CLIENT: STRATIS

Client Name: STRATIS

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☑ Yes ☐ No Seals intact: ☑ Yes ☐ No Temperature Blank Present: ☐ Yes ☐ No

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ Ziploc ☐ None ☐ Other Type of Ice: (Wet) Blue None

Thermometer Used: TH091 Correction Factor: 0.0 ☐ Samples on ice, cooling process has begun

Cooler Temperature (°C): 3.1 Cooler Temperature Corrected (°C): 3.1 Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☐ N/A, water sample) Date and Initials of person examining contents: JJ 7/27/18

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ YES ☐ NO

Did samples orignate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	☑ Yes	☐ No		1.
Chain of Custody Filled Out:	☑ Yes	☐ No		2.
Chain of Custody Relinquished:	☑ Yes	☐ No		3.
Sampler Name & Signature on COC:	☑ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time:	☑ Yes	☐ No		5.
Short Hold Time Analysis (<72hr):	☑ Yes	☐ No		6.
Rush Turn Around Time Requested:	☐ Yes	☑ No		7.
Sufficient Volume: (Triple volume provided for MS/MSD)	☑ Yes	☐ No		8.
Correct Containers Used:	☑ Yes	☐ No		9.
-Pace Containers Used:	☑ Yes	☐ No		
Containers Intact:	☑ Yes	☐ No		10.
Filtered volume received for Dissolved tests	☐ Yes	☐ No	☑ N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☑ Yes	☐ No		12.
-Includes date/time/ID/Analysis Matrix SL WT OIL				
All containers needing preservation have been checked	☑ Yes	☐ No	☐ N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot # HC734245				
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NAOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	☑ Yes	☐ No	☐ N/A	Sample #
				Initial when completed: / Lot # of added preservative: / Date/Time preservative added
Samples checked for dechlorination:	☐ Yes	☐ No	☑ N/A	14.
KI starch test strips Lot #				
Residual chlorine strips Lot #				Positive for Res. Chlorine? Y N
Headspace in VOA Vials (>6mm):	☐ Yes	☑ No	☐ N/A	15.
Trip Blank Present:	☐ Yes	☑ No	☐ N/A	16.
Trip Blank Custody Seals Present	☐ Yes	☐ No	☑ N/A	
Pace Trip Blank Lot # (if applicable):				

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

* PM (Project Manager) review is documented electronically in LIMS.

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

September 04, 2018

Vincent G. Pelusio
Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566

RE: Project: Pelham M1-8/17
Pace Project No.: 7062017

Dear Vincent Pelusio:
Enclosed are the analytical results for sample(s) received by the laboratory on August 17, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Some analyses have been subcontracted outside of the Pace Network. The subcontracted laboratory report has been attached.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Jennifer Aracri
jennifer.aracri@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: Mildred Gonos, Stratis Contracting Corp.
Paul Jeris, Stratis Contracting Corp.
Emile Mclean, Stratis Contracting Corp.

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Melville, NY 11747
(631)694-3040

CERTIFICATIONS

Project: Pelham M1-8/17
Pace Project No.: 7062017

Long Island Certification IDs

575 Broad Hollow Rd, Melville, NY 11747
New York Certification #: 10478 Primary Accrediting Body
New Jersey Certification #: NY158
Pennsylvania Certification #: 68-00350
Connecticut Certification #: PH-0435
Maryland Certification #: 208
Rhode Island Certification #: LAO00340
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987

REPORT OF LABORATORY ANALYSIS

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(631)694-3040

ANALYTICAL RESULTS

Project: Pelham M1-8/17
Pace Project No.: 7062017

Sample: M1-7:00-GRAB #1 **Lab ID: 7062017001** Collected: 08/17/18 07:00 Received: 08/17/18 17:06 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	**<5.0**	mg/L	5.0	1		08/22/18 16:21		
2540D Total Suspended Solids	Analytical Method: SM22 2540D							
Total Suspended Solids	**<10.0**	mg/L	10.0	1		08/22/18 17:28		
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B							
pH	**7.0**	Std. Units	0.10	1		08/21/18 13:51		H3,H6
Temperature, Water (C)	**12.9**	deg C	0.10	1		08/21/18 13:51		H3,H6

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ANALYTICAL RESULTS

Project: Pelham M1-8/17
Pace Project No.: 7062017

Sample: M1-8:00-GRAB #2 **Lab ID: 7062017002** Collected: 08/17/18 08:00 Received: 08/17/18 17:06 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	**<5.0**	mg/L	5.0	1		08/22/18 16:21		
2540D Total Suspended Solids	Analytical Method: SM22 2540D							
Total Suspended Solids	**<10.0**	mg/L	10.0	1		08/22/18 17:29		
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B							
pH	**7.0**	Std. Units	0.10	1		08/21/18 13:53		H3,H6
Temperature, Water (C)	**12.9**	deg C	0.10	1		08/21/18 13:53		H3,H6

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ANALYTICAL RESULTS

Project: Pelham M1-8/17
Pace Project No.: 7062017

Sample: M1-9:00-GRAB #3 **Lab ID: 7062017003** Collected: 08/17/18 09:00 Received: 08/17/18 17:06 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	**<5.0**	mg/L	5.0	1		08/22/18 16:21		
2540D Total Suspended Solids	Analytical Method: SM22 2540D							
Total Suspended Solids	**<10.0**	mg/L	10.0	1		08/22/18 17:29		
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B							
pH	**7.0**	Std. Units	0.10	1		08/21/18 13:54		H3,H6
Temperature, Water (C)	**13.3**	deg C	0.10	1		08/21/18 13:54		H3,H6

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ANALYTICAL RESULTS

Project: Pelham M1-8/17
Pace Project No.: 7062017

Sample: M1-10:00-GRAB #4 **Lab ID: 7062017004** Collected: 08/17/18 10:00 Received: 08/17/18 17:06 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	**<5.0**	mg/L	5.0	1		08/22/18 16:21		
2540D Total Suspended Solids	Analytical Method: SM22 2540D							
Total Suspended Solids	**<10.0**	mg/L	10.0	1		08/22/18 17:29		
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B							
pH	**7.0**	Std. Units	0.10	1		08/21/18 13:55		H3,H6
Temperature, Water (C)	**14.6**	deg C	0.10	1		08/21/18 13:55		H3,H6

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(631)694-3040

ANALYTICAL RESULTS

Project: Pelham M1-8/17
Pace Project No.: 7062017

Sample: M1-24 HOUR FIELD COMPOSITE **Lab ID: 7062017005** Collected: 08/17/18 10:00 Received: 08/17/18 17:06 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
608.3 GCSV PCB LOW	Analytical Method: EPA 608.3 Preparation Method: EPA 608.3							
PCB-1016 (Aroclor 1016)	**<0.065**	ug/L	0.065	1	08/21/18 09:25	08/22/18 13:41	12674-11-2	
PCB-1221 (Aroclor 1221)	**<0.065**	ug/L	0.065	1	08/21/18 09:25	08/22/18 13:41	11104-28-2	
PCB-1232 (Aroclor 1232)	**<0.065**	ug/L	0.065	1	08/21/18 09:25	08/22/18 13:41	11141-16-5	
PCB-1242 (Aroclor 1242)	**<0.065**	ug/L	0.065	1	08/21/18 09:25	08/22/18 13:41	53469-21-9	
PCB-1248 (Aroclor 1248)	**<0.065**	ug/L	0.065	1	08/21/18 09:25	08/22/18 13:41	12672-29-6	
PCB-1254 (Aroclor 1254)	**<0.065**	ug/L	0.065	1	08/21/18 09:25	08/22/18 13:41	11097-69-1	
PCB-1260 (Aroclor 1260)	**<0.065**	ug/L	0.065	1	08/21/18 09:25	08/22/18 13:41	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	50	%	10-149	1	08/21/18 09:25	08/22/18 13:41	877-09-8	
Decachlorobiphenyl (S)	59	%	10-149	1	08/21/18 09:25	08/22/18 13:41	2051-24-3	
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Cadmium	**<2.5**	ug/L	2.5	1	08/22/18 09:33	08/22/18 22:02	7440-43-9	
Chromium	**<10.0**	ug/L	10.0	1	08/22/18 09:33	08/22/18 22:02	7440-47-3	
Copper	**55.0**	ug/L	25.0	1	08/22/18 09:33	08/22/18 22:02	7440-50-8	
Lead	**6.8**	ug/L	5.0	1	08/22/18 09:33	08/22/18 22:02	7439-92-1	
Molybdenum	**<20.0**	ug/L	20.0	1	08/22/18 09:33	08/22/18 22:02	7439-98-7	
Nickel	**<40.0**	ug/L	40.0	1	08/22/18 09:33	08/22/18 22:02	7440-02-0	
Silver	**<10.0**	ug/L	10.0	1	08/22/18 09:33	08/22/18 22:02	7440-22-4	
Zinc	**54.2**	ug/L	20.0	1	08/22/18 09:33	08/22/18 22:02	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	**<0.20**	ug/L	0.20	1	08/21/18 10:45	08/22/18 10:42	7439-97-6	
Chromium, Hexavalent	Analytical Method: SM22 3500-Cr B							
Chromium, Hexavalent	**<0.020**	mg/L	0.020	1		08/18/18 06:11	18540-29-9	
5210B cBOD, 5 day	Analytical Method: SM22 5210B Preparation Method: SM22 5210B							
Carbonaceous BOD, 5 day	**<4.0**	mg/L	4.0	2	08/17/18 18:52	08/22/18 13:57		
Total Nitrogen Calculation	Analytical Method: SM22 4500-N							
Total Nitrogen	**19.8**	mg/L	0.10	1		08/31/18 13:36		
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	**18.8**	mg/L	0.50	1	08/31/18 06:10	08/31/18 12:34	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrate-Nitrite (as N)	**0.97**	mg/L	0.050	1		08/18/18 00:36	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**<0.050**	mg/L	0.050	1		08/17/18 21:09	14797-65-0	
4500 Chloride	Analytical Method: SM22 4500-Cl-E							
Chloride	**27.2**	mg/L	2.0	1		08/23/18 13:45	16887-00-6	

REPORT OF LABORATORY ANALYSIS

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(631)694-3040

ANALYTICAL RESULTS

Project: Pelham M1-8/17
Pace Project No.: 7062017

Sample: M1-GRAB COMPOSITE **Lab ID: 7062017006** Collected: 08/17/18 10:00 Received: 08/17/18 17:06 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624.1 Volatile Organics	Analytical Method: EPA 624.1							
Acetone	**23.0**	ug/L	5.0	1		08/24/18 14:26	67-64-1	
Benzene	**<1.0**	ug/L	1.0	1		08/24/18 14:26	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		08/24/18 14:26	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		08/24/18 14:26	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		08/24/18 14:26	74-83-9	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		08/24/18 14:26	78-93-3	CL,N2
Carbon disulfide	**<1.0**	ug/L	1.0	1		08/24/18 14:26	75-15-0	N2
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		08/24/18 14:26	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		08/24/18 14:26	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		08/24/18 14:26	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		08/24/18 14:26	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		08/24/18 14:26	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		08/24/18 14:26	124-48-1	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		08/24/18 14:26	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		08/24/18 14:26	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		08/24/18 14:26	106-46-7	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		08/24/18 14:26	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		08/24/18 14:26	107-06-2	
1,2-Dichloroethene (Total)	**<1.0**	ug/L	1.0	1		08/24/18 14:26	540-59-0	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		08/24/18 14:26	75-35-4	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		08/24/18 14:26	78-87-5	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		08/24/18 14:26	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		08/24/18 14:26	10061-02-6	
Ethylbenzene	**<1.0**	ug/L	1.0	1		08/24/18 14:26	100-41-4	
2-Hexanone	**<5.0**	ug/L	5.0	1		08/24/18 14:26	591-78-6	CL,N2
Methylene Chloride	**<1.0**	ug/L	1.0	1		08/24/18 14:26	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		08/24/18 14:26	108-10-1	CL,N2
Methyl-tert-butyl ether	**<1.0**	ug/L	1.0	1		08/24/18 14:26	1634-04-4	
Styrene	**<1.0**	ug/L	1.0	1		08/24/18 14:26	100-42-5	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		08/24/18 14:26	79-34-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		08/24/18 14:26	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		08/24/18 14:26	108-88-3	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		08/24/18 14:26	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		08/24/18 14:26	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	1		08/24/18 14:26	79-01-6	
Vinyl chloride	**<1.0**	ug/L	1.0	1		08/24/18 14:26	75-01-4	
Xylene (Total)	**<1.0**	ug/L	1.0	1		08/24/18 14:26	1330-20-7	
m&p-Xylene	**<1.0**	ug/L	1.0	1		08/24/18 14:26	179601-23-1	
o-Xylene	**<1.0**	ug/L	1.0	1		08/24/18 14:26	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	95	%	79-124	1		08/24/18 14:26	460-00-4	
Toluene-d8 (S)	94	%	69-127	1		08/24/18 14:26	2037-26-5	
1,2-Dichloroethane-d4 (S)	104	%	68-153	1		08/24/18 14:26	17060-07-0	
Preservation pH	**2.0**			1		08/24/18 14:26		
SM 4500 CNE Cyanide, Total	Analytical Method: SM22 4500-CN-E Preparation Method: SM20/22 4500-CN-C							
Cyanide	**<10.0**	ug/L	10.0	1	08/28/18 08:00	08/28/18 13:52	57-12-5	

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ANALYTICAL RESULTS

Project: Pelham M1-8/17
Pace Project No.: 7062017

Sample: M1-GRAB COMPOSITE **Lab ID: 7062017006** Collected: 08/17/18 10:00 Received: 08/17/18 17:06 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500CNG Cyanide, Amenable	Analytical Method: SM22 4500-CN-E Preparation Method: SM22 4500-CN-G							
Amenable Cyanide	**<10.0**	ug/L	10.0	1	08/28/18 08:00	08/28/18 14:04	57-12-5	

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QUALITY CONTROL DATA

Project: Pelham M1-8/17
Pace Project No.: 7062017

QC Batch: 80044
QC Batch Method: EPA 245.1
Analysis Method: EPA 245.1
Analysis Description: 245.1 Mercury
Associated Lab Samples: 7062017005

METHOD BLANK: 368051 Matrix: Water
Associated Lab Samples: 7062017005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.20	0.20	08/22/18 10:12	

LABORATORY CONTROL SAMPLE: 368052

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	1	1.0	104	85-115	

MATRIX SPIKE SAMPLE: 368053

Parameter	Units	7061902001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	<0.20	1	1.0	92	70-130	H1

SAMPLE DUPLICATE: 368054

Parameter	Units	7061902001 Result	Dup Result	RPD	Qualifiers
Mercury	ug/L	<0.20	<0.20		H1

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QUALITY CONTROL DATA

Project: Pelham M1-8/17
Pace Project No.: 7062017

QC Batch: 80206
QC Batch Method: EPA 200.7
Analysis Method: EPA 200.7
Analysis Description: 200.7 Metals, Total
Associated Lab Samples: 7062017005

METHOD BLANK: 368709 Matrix: Water
Associated Lab Samples: 7062017005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cadmium	ug/L	<2.5	2.5	08/22/18 20:56	
Chromium	ug/L	<10.0	10.0	08/22/18 20:56	
Copper	ug/L	<25.0	25.0	08/22/18 20:56	
Lead	ug/L	<5.0	5.0	08/22/18 20:56	
Molybdenum	ug/L	<20.0	20.0	08/22/18 20:56	
Nickel	ug/L	<40.0	40.0	08/22/18 20:56	
Silver	ug/L	<10.0	10.0	08/22/18 20:56	
Zinc	ug/L	<20.0	20.0	08/22/18 20:56	

LABORATORY CONTROL SAMPLE: 368710

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cadmium	ug/L	50	49.6	99	85-115	
Chromium	ug/L	250	248	99	85-115	
Copper	ug/L	250	259	104	85-115	
Lead	ug/L	500	498	100	85-115	
Molybdenum	ug/L	500	513	103	85-115	
Nickel	ug/L	250	250	100	85-115	
Silver	ug/L	250	244	98	85-115	
Zinc	ug/L	1000	996	100	85-115	

MATRIX SPIKE SAMPLE: 368712

Parameter	Units	7062173001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cadmium	ug/L	<0.0025 mg/L	50	50.7	101	70-130	
Chromium	ug/L	<0.010 mg/L	250	254	100	70-130	
Copper	ug/L	0.84 mg/L	250	1080	94	70-130	
Lead	ug/L	<0.0050 mg/L	500	519	103	70-130	
Molybdenum	ug/L	<20.0	500	503	101	70-130	
Nickel	ug/L	<0.040 mg/L	250	274	102	70-130	
Silver	ug/L	<0.010 mg/L	250	172	68	70-130	M1
Zinc	ug/L	0.10 mg/L	1000	1120	102	70-130	

SAMPLE DUPLICATE: 368711

Parameter	Units	7062173001 Result	Dup Result	RPD	Qualifiers
Cadmium	ug/L	<0.0025 mg/L	<2.5		

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QUALITY CONTROL DATA

Project: Pelham M1-8/17
Pace Project No.: 7062017

SAMPLE DUPLICATE: 368711

Parameter	Units	7062173001 Result	Dup Result	RPD	Qualifiers
Chromium	ug/L	<0.010 mg/L	<10.0		
Copper	ug/L	0.84 mg/L	833	1	
Lead	ug/L	<0.0050 mg/L	<5.0		
Molybdenum	ug/L	<20.0	<20.0		
Nickel	ug/L	<0.040 mg/L	<40.0		
Silver	ug/L	<0.010 mg/L	<10.0		
Zinc	ug/L	0.10 mg/L	102	2	

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QUALITY CONTROL DATA

Project: Pelham M1-8/17
Pace Project No.: 7062017

QC Batch: 80664
QC Batch Method: EPA 624.1
Analysis Method: EPA 624.1
Analysis Description: 624.1 MSV
Associated Lab Samples: 7062017006

METHOD BLANK: 370846
Matrix: Water
Associated Lab Samples: 7062017006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	08/24/18 13:25	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	08/24/18 13:25	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	08/24/18 13:25	
1,1-Dichloroethane	ug/L	<1.0	1.0	08/24/18 13:25	
1,1-Dichloroethene	ug/L	<1.0	1.0	08/24/18 13:25	
1,2-Dichlorobenzene	ug/L	<1.0	1.0	08/24/18 13:25	
1,2-Dichloroethane	ug/L	<1.0	1.0	08/24/18 13:25	
1,2-Dichloroethene (Total)	ug/L	<1.0	1.0	08/24/18 13:25	
1,2-Dichloropropane	ug/L	<1.0	1.0	08/24/18 13:25	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	08/24/18 13:25	
1,4-Dichlorobenzene	ug/L	<1.0	1.0	08/24/18 13:25	
2-Butanone (MEK)	ug/L	<5.0	5.0	08/24/18 13:25	CL,N2
2-Hexanone	ug/L	<5.0	5.0	08/24/18 13:25	CL,N2
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	08/24/18 13:25	CL,N2
Acetone	ug/L	<5.0	5.0	08/24/18 13:25	
Benzene	ug/L	<1.0	1.0	08/24/18 13:25	
Bromodichloromethane	ug/L	<1.0	1.0	08/24/18 13:25	
Bromoform	ug/L	<1.0	1.0	08/24/18 13:25	
Bromomethane	ug/L	<1.0	1.0	08/24/18 13:25	
Carbon disulfide	ug/L	<1.0	1.0	08/24/18 13:25	N2
Carbon tetrachloride	ug/L	<1.0	1.0	08/24/18 13:25	
Chlorobenzene	ug/L	<1.0	1.0	08/24/18 13:25	
Chloroethane	ug/L	<1.0	1.0	08/24/18 13:25	
Chloroform	ug/L	<1.0	1.0	08/24/18 13:25	
Chloromethane	ug/L	<1.0	1.0	08/24/18 13:25	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	08/24/18 13:25	
Dibromochloromethane	ug/L	<1.0	1.0	08/24/18 13:25	
Ethylbenzene	ug/L	<1.0	1.0	08/24/18 13:25	
m&p-Xylene	ug/L	<1.0	1.0	08/24/18 13:25	
Methyl-tert-butyl ether	ug/L	<1.0	1.0	08/24/18 13:25	
Methylene Chloride	ug/L	<1.0	1.0	08/24/18 13:25	
o-Xylene	ug/L	<1.0	1.0	08/24/18 13:25	
Styrene	ug/L	<1.0	1.0	08/24/18 13:25	
Tetrachloroethene	ug/L	<1.0	1.0	08/24/18 13:25	
Toluene	ug/L	<1.0	1.0	08/24/18 13:25	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	08/24/18 13:25	
Trichloroethene	ug/L	<1.0	1.0	08/24/18 13:25	
Vinyl chloride	ug/L	<1.0	1.0	08/24/18 13:25	
Xylene (Total)	ug/L	<1.0	1.0	08/24/18 13:25	
1,2-Dichloroethane-d4 (S)	%	101	68-153	08/24/18 13:25	
4-Bromofluorobenzene (S)	%	97	79-124	08/24/18 13:25	

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QUALITY CONTROL DATA

Project: Pelham M1-8/17
Pace Project No.: 7062017

METHOD BLANK: 370846 Matrix: Water
Associated Lab Samples: 7062017006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene-d8 (S)	%	97	69-127	08/24/18 13:25	

LABORATORY CONTROL SAMPLE: 370847

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	20.2	101	52-162	
1,1,2,2-Tetrachloroethane	ug/L	20	19.4	97	46-157	
1,1,2-Trichloroethane	ug/L	20	20.3	102	52-150	
1,1-Dichloroethane	ug/L	20	21.5	107	59-155	
1,1-Dichloroethene	ug/L	20	18.5	93	10-234	
1,2-Dichlorobenzene	ug/L	20	18.5	92	18-190	
1,2-Dichloroethane	ug/L	20	22.9	114	49-155	
1,2-Dichloroethene (Total)	ug/L	40	40.8	102	40-160	
1,2-Dichloropropane	ug/L	20	20.0	100	10-210	
1,3-Dichlorobenzene	ug/L	20	18.9	94	59-156	
1,4-Dichlorobenzene	ug/L	20	19.7	98	18-190	
2-Butanone (MEK)	ug/L	20	16.5	83	40-160	CL,N2
2-Hexanone	ug/L	20	16.9	85	40-160	CL,N2
4-Methyl-2-pentanone (MIBK)	ug/L	20	17.6	88	40-160	CL,N2
Acetone	ug/L	20	18.0	90	40-160	
Benzene	ug/L	20	18.6	93	65-135	
Bromodichloromethane	ug/L	20	21.3	107	35-155	
Bromoform	ug/L	20	22.5	112	45-169	
Bromomethane	ug/L	20	16.8	84	10-242	
Carbon disulfide	ug/L	20	18.2	91	40-160	N2
Carbon tetrachloride	ug/L	20	20.0	100	70-140	
Chlorobenzene	ug/L	20	19.1	96	37-160	
Chloroethane	ug/L	20	18.9	94	14-230	
Chloroform	ug/L	20	22.1	111	51-138	
Chloromethane	ug/L	20	13.4	67	10-273	
cis-1,3-Dichloropropene	ug/L	20	21.2	106	10-227	
Dibromochloromethane	ug/L	20	20.9	104	53-149	
Ethylbenzene	ug/L	20	19.2	96	37-162	
m&p-Xylene	ug/L	40	40.5	101	40-160	
Methyl-tert-butyl ether	ug/L	20	21.7	108	40-160	
Methylene Chloride	ug/L	20	18.5	92	10-221	
o-Xylene	ug/L	20	20.3	101	40-160	
Styrene	ug/L	20	19.6	98	40-160	
Tetrachloroethene	ug/L	20	22.4	112	64-148	
Toluene	ug/L	20	19.4	97	47-150	
trans-1,3-Dichloropropene	ug/L	20	21.1	106	17-183	
Trichloroethene	ug/L	20	19.6	98	70-157	
Vinyl chloride	ug/L	20	15.0	75	10-251	
Xylene (Total)	ug/L	60	60.8	101	40-160	

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QUALITY CONTROL DATA

Project: Pelham M1-8/17
Pace Project No.: 7062017

LABORATORY CONTROL SAMPLE: 370847

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane-d4 (S)	%			100	68-153	
4-Bromofluorobenzene (S)	%			99	79-124	
Toluene-d8 (S)	%			93	69-127	

MATRIX SPIKE SAMPLE: 370848

Parameter	Units	7062017006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	20	18.3	92	70-130	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	20	20.4	102	40-160	
1,1,2-Trichloroethane	ug/L	<1.0	20	20.4	102	70-130	
1,1-Dichloroethane	ug/L	<1.0	20	21.1	106	70-130	
1,1-Dichloroethene	ug/L	<1.0	20	16.8	84	50-150	
1,2-Dichlorobenzene	ug/L	<1.0	20	17.4	87	62-135	
1,2-Dichloroethane	ug/L	<1.0	20	23.2	116	70-130	
1,2-Dichloroethene (Total)	ug/L	<1.0	40	39.7	99	40-160	
1,2-Dichloropropane	ug/L	<1.0	20	21.3	107	35-165	
1,3-Dichlorobenzene	ug/L	<1.0	20	16.7	84	70-130	
1,4-Dichlorobenzene	ug/L	<1.0	20	17.4	87	65-135	
2-Butanone (MEK)	ug/L	<5.0	20	20.4	102	40-160	CL,N2
2-Hexanone	ug/L	<5.0	20	21.2	106	40-160	CL,N2
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	20	22.3	112	40-160	CL,N2
Acetone	ug/L	23.0	20	50.1	135	40-160	
Benzene	ug/L	<1.0	20	18.2	91	37-151	
Bromodichloromethane	ug/L	<1.0	20	19.1	96	65-135	
Bromoform	ug/L	<1.0	20	21.8	109	70-130	
Bromomethane	ug/L	<1.0	20	14.5	72	15-185	
Carbon disulfide	ug/L	<1.0	20	17.3	87	40-160	N2
Carbon tetrachloride	ug/L	<1.0	20	16.6	83	70-130	
Chlorobenzene	ug/L	<1.0	20	18.9	94	65-135	
Chloroethane	ug/L	<1.0	20	20.8	104	40-160	
Chloroform	ug/L	<1.0	20	21.6	108	70-135	
Chloromethane	ug/L	<1.0	20	14.2	71	10-205	
cis-1,3-Dichloropropene	ug/L	<1.0	20	18.8	94	25-175	
Dibromochloromethane	ug/L	<1.0	20	20.6	103	70-135	
Ethylbenzene	ug/L	<1.0	20	17.3	87	40-160	
m&p-Xylene	ug/L	<1.0	40	36.1	90	40-160	
Methyl-tert-butyl ether	ug/L	<1.0	20	21.4	107	40-160	
Methylene Chloride	ug/L	<1.0	20	18.6	93	40-160	
o-Xylene	ug/L	<1.0	20	17.7	89	40-160	
Styrene	ug/L	<1.0	20	17.4	87	40-160	
Tetrachloroethene	ug/L	<1.0	20	15.9	79	70-130	
Toluene	ug/L	<1.0	20	18.4	92	70-130	
trans-1,3-Dichloropropene	ug/L	<1.0	20	19.4	97	50-150	
Trichloroethene	ug/L	<1.0	20	17.5	88	65-135	
Vinyl chloride	ug/L	<1.0	20	14.8	74	40-160	

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QUALITY CONTROL DATA

Project: Pelham M1-8/17
Pace Project No.: 7062017

MATRIX SPIKE SAMPLE: 370848

Parameter	Units	7062017006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Xylene (Total)	ug/L	<1.0	60	53.8	90	40-160	
1,2-Dichloroethane-d4 (S)	%				100	68-153	
4-Bromofluorobenzene (S)	%				99	79-124	
Toluene-d8 (S)	%				99	69-127	

SAMPLE DUPLICATE: 370849

Parameter	Units	7062328001 Result	Dup Result	RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	<1.0		
1,1,2,2-Tetrachloroethane	ug/L	<1.0	<1.0		
1,1,2-Trichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethene	ug/L	<1.0	<1.0		
1,2-Dichlorobenzene	ug/L	<1.0	<1.0		
1,2-Dichloroethane	ug/L	<1.0	<1.0		
1,2-Dichloroethene (Total)	ug/L	<1.0	<1.0		
1,2-Dichloropropane	ug/L	<1.0	<1.0		
1,3-Dichlorobenzene	ug/L	<1.0	<1.0		
1,4-Dichlorobenzene	ug/L	<1.0	<1.0		
2-Butanone (MEK)	ug/L	7.0	8.5	20	CL,N2
2-Hexanone	ug/L	<5.0	<5.0		CL,N2
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	<5.0		CL,N2
Acetone	ug/L	297	380	24	D6,E
Benzene	ug/L	<1.0	<1.0		
Bromodichloromethane	ug/L	<1.0	<1.0		
Bromoform	ug/L	<1.0	<1.0		
Bromomethane	ug/L	<1.0	<1.0		
Carbon disulfide	ug/L	<1.0	<1.0		N2
Carbon tetrachloride	ug/L	<1.0	<1.0		
Chlorobenzene	ug/L	<1.0	<1.0		
Chloroethane	ug/L	<1.0	<1.0		
Chloroform	ug/L	<1.0	<1.0		
Chloromethane	ug/L	<1.0	<1.0		
cis-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Dibromochloromethane	ug/L	<1.0	<1.0		
Ethylbenzene	ug/L	<1.0	<1.0		
m&p-Xylene	ug/L	<1.0	<1.0		
Methyl-tert-butyl ether	ug/L	<1.0	<1.0		
Methylene Chloride	ug/L	<1.0	<1.0		
o-Xylene	ug/L	<1.0	<1.0		
Styrene	ug/L	<1.0	<1.0		
Tetrachloroethene	ug/L	<1.0	<1.0		
Toluene	ug/L	17.4	19.2	10	
trans-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Trichloroethene	ug/L	<1.0	<1.0		

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REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: Pelham M1-8/17
Pace Project No.: 7062017

SAMPLE DUPLICATE: 370849

Parameter	Units	7062328001 Result	Dup Result	RPD	Qualifiers
Vinyl chloride	ug/L	<1.0	<1.0		
Xylene (Total)	ug/L	<1.0	<1.0		
1,2-Dichloroethane-d4 (S)	%	96	94	2	
4-Bromofluorobenzene (S)	%	95	87	9	
Toluene-d8 (S)	%	94	94	0	

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QUALITY CONTROL DATA

Project: Pelham M1-8/17
Pace Project No.: 7062017

QC Batch: 79940
QC Batch Method: EPA 608.3
Analysis Method: EPA 608.3
Analysis Description: 608.3 GCSV PCB
Associated Lab Samples: 7062017005

METHOD BLANK: 367568
Matrix: Water
Associated Lab Samples: 7062017005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	<0.065	0.065	08/21/18 12:16	
PCB-1221 (Aroclor 1221)	ug/L	<0.065	0.065	08/21/18 12:16	
PCB-1232 (Aroclor 1232)	ug/L	<0.065	0.065	08/21/18 12:16	
PCB-1242 (Aroclor 1242)	ug/L	<0.065	0.065	08/21/18 12:16	
PCB-1248 (Aroclor 1248)	ug/L	<0.065	0.065	08/21/18 12:16	
PCB-1254 (Aroclor 1254)	ug/L	<0.065	0.065	08/21/18 12:16	
PCB-1260 (Aroclor 1260)	ug/L	<0.065	0.065	08/21/18 12:16	
Decachlorobiphenyl (S)	%	87	10-149	08/21/18 12:16	
Tetrachloro-m-xylene (S)	%	57	10-149	08/21/18 12:16	

LABORATORY CONTROL SAMPLE: 367569

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	.5	0.41	82	42-147	
PCB-1260 (Aroclor 1260)	ug/L	.5	0.49	98	51-144	
Decachlorobiphenyl (S)	%			79	10-149	
Tetrachloro-m-xylene (S)	%			53	16-128	

MATRIX SPIKE SAMPLE: 368030

Parameter	Units	7062017005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	<0.065	.5	0.34	68	53-126	
PCB-1221 (Aroclor 1221)	ug/L	<0.065		<0.065			
PCB-1232 (Aroclor 1232)	ug/L	<0.065		<0.065			
PCB-1242 (Aroclor 1242)	ug/L	<0.065		<0.065			
PCB-1248 (Aroclor 1248)	ug/L	<0.065		<0.065			
PCB-1254 (Aroclor 1254)	ug/L	<0.065		<0.065			
PCB-1260 (Aroclor 1260)	ug/L	<0.065	.5	0.58	116	51-144	
Decachlorobiphenyl (S)	%				60	10-149	
Tetrachloro-m-xylene (S)	%				46	10-149	

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QUALITY CONTROL DATA

Project: Pelham M1-8/17
Pace Project No.: 7062017

QC Batch: 80240 Analysis Method: EPA 1664A
QC Batch Method: EPA 1664A Analysis Description: 1664 HEM, Oil and Grease
Associated Lab Samples: 7062017001, 7062017002, 7062017003, 7062017004

METHOD BLANK: 368864 Matrix: Water
Associated Lab Samples: 7062017001, 7062017002, 7062017003, 7062017004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	<5.0	5.0	08/22/18 16:21	

LABORATORY CONTROL SAMPLE & LCSD: 368865 368866

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	40	38.8	37.1	97	93	78-114	4	20	

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(631)694-3040

QUALITY CONTROL DATA

Project: Pelham M1-8/17
Pace Project No.: 7062017

QC Batch: 80251 Analysis Method: SM22 2540D
QC Batch Method: SM22 2540D Analysis Description: 2540D Total Suspended Solids
Associated Lab Samples: 7062017001, 7062017002, 7062017003, 7062017004

METHOD BLANK: 368961 Matrix: Water
Associated Lab Samples: 7062017001, 7062017002, 7062017003, 7062017004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	<1.0	1.0	08/22/18 17:24	

LABORATORY CONTROL SAMPLE: 368962

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	200	190	95	85-115	

SAMPLE DUPLICATE: 368963

Parameter	Units	7061970002 Result	Dup Result	RPD	Qualifiers
Total Suspended Solids	mg/L	<10.0	<10.0		

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QUALITY CONTROL DATA

Project: Pelham M1-8/17
Pace Project No.: 7062017

QC Batch: 79718
QC Batch Method: SM22 3500-Cr B
Associated Lab Samples: 7062017005

Analysis Method: SM22 3500-Cr B
Analysis Description: Chromium, Hexavalent by 3500

METHOD BLANK: 366645 Matrix: Water
Associated Lab Samples: 7062017005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chromium, Hexavalent	mg/L	<0.020	0.020	08/18/18 06:04	

LABORATORY CONTROL SAMPLE: 366646

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	mg/L	.2	0.20	102	85-115	

MATRIX SPIKE SAMPLE: 366647

Parameter	Units	7061970005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	mg/L	<0.020	.2	0.19	94	75-125	

SAMPLE DUPLICATE: 366648

Parameter	Units	7061970005 Result	Dup Result	RPD	Qualifiers
Chromium, Hexavalent	mg/L	<0.020	<0.020		

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QUALITY CONTROL DATA

Project: Pelham M1-8/17
Pace Project No.: 7062017

QC Batch: 79961 Analysis Method: SM22 4500-H+B
QC Batch Method: SM22 4500-H+B Analysis Description: 4500H+B pH
Associated Lab Samples: 7062017001, 7062017002, 7062017003, 7062017004

SAMPLE DUPLICATE: 367594

Parameter	Units	7061905006 Result	Dup Result	RPD	Qualifiers
pH	Std. Units	6.2	6.3	0	H3,H6
Temperature, Water (C)	deg C	15.6	15.7	1	H3,H6

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QUALITY CONTROL DATA

Project: Pelham M1-8/17
Pace Project No.: 7062017

QC Batch: 79705
QC Batch Method: SM22 5210B
Analysis Method: SM22 5210B
Analysis Description: 5210B cBOD, 5 day
Associated Lab Samples: 7062017005

METHOD BLANK: 366557 Matrix: Water
Associated Lab Samples: 7062017005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Carbonaceous BOD, 5 day	mg/L	<2.0	2.0	08/22/18 12:02	

LABORATORY CONTROL SAMPLE: 366558

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbonaceous BOD, 5 day	mg/L	198	179	90	84.5-115.4	

SAMPLE DUPLICATE: 366559

Parameter	Units	7062000004 Result	Dup Result	RPD	Qualifiers
Carbonaceous BOD, 5 day	mg/L	87.0	88.7	2	

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QUALITY CONTROL DATA

Project: Pelham M1-8/17
Pace Project No.: 7062017

QC Batch: 81286 Analysis Method: EPA 351.2
QC Batch Method: EPA 351.2 Analysis Description: 351.2 TKN
Associated Lab Samples: 7062017005

METHOD BLANK: 374084 Matrix: Water
Associated Lab Samples: 7062017005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	<0.10	0.10	08/31/18 12:30	

LABORATORY CONTROL SAMPLE: 374085

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	4	4.2	105	90-110	

MATRIX SPIKE SAMPLE: 374086

Parameter	Units	7062119001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	1.1	4	5.6	113	90-110	M1

MATRIX SPIKE SAMPLE: 374088

Parameter	Units	7062627002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	1.4	4	5.0	91	90-110	

SAMPLE DUPLICATE: 374087

Parameter	Units	7062119001 Result	Dup Result	RPD	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	1.1	1.1	3	

SAMPLE DUPLICATE: 374089

Parameter	Units	7062627002 Result	Dup Result	RPD	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	1.4	1.4	0	

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QUALITY CONTROL DATA

Project: Pelham M1-8/17
Pace Project No.: 7062017

QC Batch: 79710
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrite, Unpres.
Associated Lab Samples: 7062017005

METHOD BLANK: 366611 Matrix: Water
Associated Lab Samples: 7062017005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	<0.050	0.050	08/17/18 20:34	

LABORATORY CONTROL SAMPLE: 366612

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	1	1.0	102	90-110	

MATRIX SPIKE SAMPLE: 366613

Parameter	Units	7061965001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	.5	0.56	113	90-110	M1

MATRIX SPIKE SAMPLE: 366615

Parameter	Units	7061998001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	.5	0.56	111	90-110	M1

SAMPLE DUPLICATE: 366614

Parameter	Units	7061965001 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

SAMPLE DUPLICATE: 366616

Parameter	Units	7061998001 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

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QUALITY CONTROL DATA

Project: Pelham M1-8/17
Pace Project No.: 7062017

QC Batch: 79712
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, preserved
Associated Lab Samples: 7062017005

METHOD BLANK: 366633 Matrix: Water
Associated Lab Samples: 7062017005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	0.050	08/18/18 00:25	

LABORATORY CONTROL SAMPLE: 366634

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	1	0.99	99	90-110	

MATRIX SPIKE SAMPLE: 366635

Parameter	Units	7061985001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	5.6	5	11.2	112	90-110	M6

SAMPLE DUPLICATE: 366636

Parameter	Units	7061985001 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	5.6	5.5	1	

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QUALITY CONTROL DATA

Project: Pelham M1-8/17
Pace Project No.: 7062017

QC Batch: 80820 Analysis Method: SM22 4500-CN-E
QC Batch Method: SM20/22 4500-CN-C Analysis Description: 4500 CNE Cyanide, Total
Associated Lab Samples: 7062017006

METHOD BLANK: 371621 Matrix: Water
Associated Lab Samples: 7062017006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	ug/L	<10.0	10.0	08/28/18 12:27	

LABORATORY CONTROL SAMPLE: 371622

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	ug/L	75	72.5	97	85-115	

MATRIX SPIKE SAMPLE: 371623

Parameter	Units	7062266004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cyanide	ug/L	<10.0	100	85.9	84	75-125	

SAMPLE DUPLICATE: 371624

Parameter	Units	7062266004 Result	Dup Result	RPD	Qualifiers
Cyanide	ug/L	<10.0	<10.0		

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QUALITY CONTROL DATA

Project: Pelham M1-8/17
Pace Project No.: 7062017

QC Batch: 80371 Analysis Method: SM22 4500-Cl-E
QC Batch Method: SM22 4500-Cl-E Analysis Description: 4500 Chloride
Associated Lab Samples: 7062017005

METHOD BLANK: 369434 Matrix: Water
Associated Lab Samples: 7062017005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<2.0	2.0	08/23/18 13:28	

LABORATORY CONTROL SAMPLE: 369435

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	54.3	109	90-110	

MATRIX SPIKE SAMPLE: 369512

Parameter	Units	7062486001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	66.9	25	85.7	75	80-120	M1

SAMPLE DUPLICATE: 369513

Parameter	Units	7062486001 Result	Dup Result	RPD	Qualifiers
Chloride	mg/L	66.9	66.3	1	

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QUALITY CONTROL DATA

Project: Pelham M1-8/17
Pace Project No.: 7062017

QC Batch: 80821
QC Batch Method: SM22 4500-CN-G
Analysis Method: SM22 4500-CN-E
Analysis Description: 4500CNG Cyanide, Amenable
Associated Lab Samples: 7062017006

METHOD BLANK: 371625
Matrix: Water
Associated Lab Samples: 7062017006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Amenable Cyanide	ug/L	<10.0	10.0	08/28/18 13:59	

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QUALIFIERS

Project: Pelham M1-8/17
Pace Project No.: 7062017

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
D6	The precision between the sample and sample duplicate exceeded laboratory control limits.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
H1	Analysis conducted outside the EPA method holding time.
H3	Sample was received or analysis requested beyond the recognized method holding time.
H6	Analysis initiated outside of the 15 minute EPA recommended holding time.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
M6	Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.
N2	The lab does not hold NELAC/TNI accreditation for this parameter.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Pelham M1-8/17
Pace Project No.: 7062017

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7062017005	**M1-24 HOUR FIELD COMPOSITE**	EPA 608.3	79940	EPA 608.3	80018
7062017005	**M1-24 HOUR FIELD COMPOSITE**	EPA 200.7	80206	EPA 200.7	80213
7062017005	**M1-24 HOUR FIELD COMPOSITE**	EPA 245.1	80044	EPA 245.1	80052
7062017006	**M1-GRAB COMPOSITE**	EPA 624.1	80664		
7062017001	**M1-7:00-GRAB #1**	EPA 1664A	80240		
7062017002	**M1-8:00-GRAB #2**	EPA 1664A	80240		
7062017003	**M1-9:00-GRAB #3**	EPA 1664A	80240		
7062017004	**M1-10:00-GRAB #4**	EPA 1664A	80240		
7062017001	**M1-7:00-GRAB #1**	SM22 2540D	80251		
7062017002	**M1-8:00-GRAB #2**	SM22 2540D	80251		
7062017003	**M1-9:00-GRAB #3**	SM22 2540D	80251		
7062017004	**M1-10:00-GRAB #4**	SM22 2540D	80251		
7062017005	**M1-24 HOUR FIELD COMPOSITE**	SM22 3500-Cr B	79718		
7062017001	**M1-7:00-GRAB #1**	SM22 4500-H+B	79961		
7062017002	**M1-8:00-GRAB #2**	SM22 4500-H+B	79961		
7062017003	**M1-9:00-GRAB #3**	SM22 4500-H+B	79961		
7062017004	**M1-10:00-GRAB #4**	SM22 4500-H+B	79961		
7062017005	**M1-24 HOUR FIELD COMPOSITE**	SM22 5210B	79705	SM22 5210B	80516
7062017005	**M1-24 HOUR FIELD COMPOSITE**	SM22 4500-N	81398		
7062017005	**M1-24 HOUR FIELD COMPOSITE**	EPA 351.2	81286	EPA 351.2	81291
7062017005	**M1-24 HOUR FIELD COMPOSITE**	EPA 353.2	79712		
7062017005	**M1-24 HOUR FIELD COMPOSITE**	EPA 353.2	79710		
7062017006	**M1-GRAB COMPOSITE**	SM20/22 4500-CN-C	80820	SM22 4500-CN-E	80870
7062017005	**M1-24 HOUR FIELD COMPOSITE**	SM22 4500-Cl-E	80371		
7062017006	**M1-GRAB COMPOSITE**	SM22 4500-CN-G	80821	SM22 4500-CN-E	80871

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WO#:7062017

7062017

CHAIN OF CUSTODY RECORD

PELHAM BAY LANDFILL

M1

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: Andre Dziegelewski
Source: **Pelham Bay Landfill**
Job No.:

Laboratory Use Only
Samples were:
1. Shipped____ or Hand Delivered____ Airbill#_____
2. Ambient or Chilled, **Temperature** _____
3. Received in good condition Yes or No
4. Properly preserved Yes or No
• Discrepancies between labels and COC? Yes or No

MATRIX (Water, Soil, etc.)	COLLECTED DATE	COLLECTED TIME	SAMPLE IDENTIFICATION	Total Number of Containers: 27	VOCs (Grabs composited at Lab) 40 mL VIALS	Cyanide (Grabs composited at Lab) 60 mL Plastic [NaOH]	TSS, pH 500 mL Plastic	Oil & Grease 1 Liter Amber Glass [HCl]	Non Metals 1 Liter Plastic	Metals 250 mL Plastic [HNO_3]	Total N, TKN 250 mL Plastic [H_2SO_4]	SVOC (625) and PCB (608) 1 Liter Amber Glass	Field Ph	Lab. ID #	REMARKS
Water	8/17/18	7:00	M1 - 7:00 - Grab #1	5	2	1	1	1							
Water	8/17/18	8:00	M1 - 8:00 - Grab #2	5	2	1	1	1							
Water	8/17/18	9:00	M1 - 9:00 - Grab #3	5	2	1	1	1							
Water	8/17/18	10:00	M1 - 10:00 - Grab #4	5	2	1	1	1							
Start:	8/16/18	11:00	M1 - 24 Hour Field Composite												
End:	8/17/18	10:00		7					1	1	1	4			

Relinquished by: (Signature)	Date: 8/17/18	SEAL INTACT? YES NO NA	Received by: (Signature)	Relinquished by: (Signature)	Date: 8/17/18	SEAL INTACT? YES NO NA	Received by: (Signature)
Representing: STRATIS	Time: 1:30		Representing:	Representing:	Time: 15:05		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:

Sample Condition Upon Receipt

Pace Analytical

WO#:7062017
PM: JSA Due Date: 09/04/18
CLIENT: STRATIS

Client Name: Stratis

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☑ Yes ☐ No Seals intact: ☑ Yes ☐ No

Temperature Blank Present: ☐ Yes ☐ No

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ Ziploc ☐ None ☐ Other

Type of Ice: (Wet) Blue None

Thermometer Used: TH091 Correction Factor: 0.0

☐ Samples on ice, cooling process has begun

Cooler Temperature (°C): 2.2 Cooler Temperature Corrected (°C): 2.2 Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☑ N/A, water sample) Date and Initials of person examining contents: 8/17/18

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ YES ☐ NO

Did samples orignate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	☑Yes	☐No		1.
Chain of Custody Filled Out:	☑Yes	☐No		2.
Chain of Custody Relinquished:	☑Yes	☐No		3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☑Yes	☐No		5.
Short Hold Time Analysis (<72hr):	☑Yes	☐No		6.
Rush Turn Around Time Requested:	☐Yes	☑No		7.
Sufficient Volume: (Triple volume provided for MS/MSD	☑Yes	☐No		8.
Correct Containers Used:	☑Yes	☐No		9.
-Pace Containers Used:	☑Yes	☐No		
Containers Intact:	☑Yes	☐No		10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☑Yes	☐No		12.
-Includes date/time/ID/Analysis Matrix SL WT OIL				
All containers needing preservation have been checked	☑Yes	☐No	☐N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot # HC849161				Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NAOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	☑Yes	☐No	☐N/A	Initial when completed: / Lot # of added preservative: / Date/Time preservative added:
Samples checked for dechlorination:	☐Yes	☐No	☑N/A	14.
KI starch test strips Lot #				Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #				
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A	15.
Trip Blank Present:	☐Yes	☑No	☐N/A	16.
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A	
Pace Trip Blank Lot # (if applicable):				

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

* PM (Project Manager) review is documented electronically in LIMS.

ANALYTICAL REPORT

August 27, 2018

Pace Analytical - Melville, NY

Sample Delivery Group:	L1019522
Samples Received:	08/21/2018
Project Number:	7062017
Description:	Pelham M1-8/17

Report To: Jennifer Aracri
575 Broad Hollow Rd
Melville, NY 11747

Entire Report Reviewed By:

Nancy McLain
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace National is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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M1-24 HOUR FIELD COMPOSITE L1019522-01 WW

			Collected by	Collected date/time	Received date/time
				08/17/18 10:00	08/21/18 08:45

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Semi Volatile Organic Compounds (GC/MS) by Method 625.1	WG1155367	1	08/23/18 10:14	08/24/18 08:32	AO

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Nancy F. McLain

Nancy McLain
Project Manager

Semi Volatile Organic Compounds (GC/MS) by Method 625.1

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Acenaphthene	U		0.316	1.00	1	08/24/2018 08:32	WG1155367
Acenaphthylene	U		0.309	1.00	1	08/24/2018 08:32	WG1155367
Anthracene	U		0.291	1.00	1	08/24/2018 08:32	WG1155367
Benzidine	U		4.32	10.0	1	08/24/2018 08:32	WG1155367
Benzo(a)anthracene	U		0.0975	1.00	1	08/24/2018 08:32	WG1155367
Benzo(b)fluoranthene	U		0.0896	1.00	1	08/24/2018 08:32	WG1155367
Benzo(k)fluoranthene	U		0.355	1.00	1	08/24/2018 08:32	WG1155367
Benzo(g,h,i)perylene	U		0.161	1.00	1	08/24/2018 08:32	WG1155367
Benzo(a)pyrene	U		0.340	1.00	1	08/24/2018 08:32	WG1155367
Bis(2-chlorethoxy)methane	U		0.329	10.0	1	08/24/2018 08:32	WG1155367
Bis(2-chloroethyl)ether	U		1.62	10.0	1	08/24/2018 08:32	WG1155367
Bis(2-chloroisopropyl)ether	U		0.445	10.0	1	08/24/2018 08:32	WG1155367
4-Bromophenyl-phenylether	U		0.335	10.0	1	08/24/2018 08:32	WG1155367
2-Chloronaphthalene	U	J4	0.330	1.00	1	08/24/2018 08:32	WG1155367
4-Chlorophenyl-phenylether	U		0.303	10.0	1	08/24/2018 08:32	WG1155367
Chrysene	U		0.332	1.00	1	08/24/2018 08:32	WG1155367
Carbazole	U		0.260	10.0	1	08/24/2018 08:32	WG1155367
Dibenz(a,h)anthracene	U		0.279	1.00	1	08/24/2018 08:32	WG1155367
3,3-Dichlorobenzidine	U		2.02	10.0	1	08/24/2018 08:32	WG1155367
2,4-Dinitrotoluene	U		1.65	10.0	1	08/24/2018 08:32	WG1155367
2,6-Dinitrotoluene	U		0.279	10.0	1	08/24/2018 08:32	WG1155367
1,2-Diphenylhydrazine	U		0.318	10.0	1	08/24/2018 08:32	WG1155367
Fluoranthene	U		0.310	1.00	1	08/24/2018 08:32	WG1155367
Fluorene	U		0.323	1.00	1	08/24/2018 08:32	WG1155367
Hexachlorobenzene	U		0.341	1.00	1	08/24/2018 08:32	WG1155367
Hexachloro-1,3-butadiene	U		0.329	10.0	1	08/24/2018 08:32	WG1155367
Hexachlorocyclopentadiene	U		2.33	10.0	1	08/24/2018 08:32	WG1155367
Hexachloroethane	U		0.365	10.0	1	08/24/2018 08:32	WG1155367
Indeno(1,2,3-cd)pyrene	U		0.279	1.00	1	08/24/2018 08:32	WG1155367
Isophorone	U		0.272	10.0	1	08/24/2018 08:32	WG1155367
2-Methylnaphthalene	U		0.311	1.00	1	08/24/2018 08:32	WG1155367
2-Nitroaniline	U		1.90	10.0	1	08/24/2018 08:32	WG1155367
3-Nitroaniline	U		0.308	10.0	1	08/24/2018 08:32	WG1155367
4-Nitroaniline	U		0.349	10.0	1	08/24/2018 08:32	WG1155367
Naphthalene	U		0.372	1.00	1	08/24/2018 08:32	WG1155367
Nitrobenzene	U		0.367	10.0	1	08/24/2018 08:32	WG1155367
n-Nitrosodimethylamine	U		1.26	10.0	1	08/24/2018 08:32	WG1155367
n-Nitrosodiphenylamine	U		1.19	10.0	1	08/24/2018 08:32	WG1155367
n-Nitrosodi-n-propylamine	U		0.403	10.0	1	08/24/2018 08:32	WG1155367
Phenanthrene	U		0.366	1.00	1	08/24/2018 08:32	WG1155367
Benzylbutyl phthalate	U		0.275	3.00	1	08/24/2018 08:32	WG1155367
Bis(2-ethylhexyl)phthalate	U		0.709	3.00	1	08/24/2018 08:32	WG1155367
Di-n-butyl phthalate	U		0.266	3.00	1	08/24/2018 08:32	WG1155367
Diethyl phthalate	U		0.282	3.00	1	08/24/2018 08:32	WG1155367
Dimethyl phthalate	U		0.283	3.00	1	08/24/2018 08:32	WG1155367
Di-n-octyl phthalate	U		0.278	3.00	1	08/24/2018 08:32	WG1155367
Pyrene	U		0.330	1.00	1	08/24/2018 08:32	WG1155367
1,2,4-Trichlorobenzene	U		0.355	10.0	1	08/24/2018 08:32	WG1155367
4-Chloro-3-methylphenol	U		0.263	10.0	1	08/24/2018 08:32	WG1155367
2-Chlorophenol	U		0.283	10.0	1	08/24/2018 08:32	WG1155367
2,4-Dichlorophenol	U		0.284	10.0	1	08/24/2018 08:32	WG1155367
2,4-Dimethylphenol	U		0.624	10.0	1	08/24/2018 08:32	WG1155367
4,6-Dinitro-2-methylphenol	U		2.62	10.0	1	08/24/2018 08:32	WG1155367
2,4-Dinitrophenol	U		3.25	10.0	1	08/24/2018 08:32	WG1155367
2-Nitrophenol	U		0.320	10.0	1	08/24/2018 08:32	WG1155367
4-Nitrophenol	U		2.01	10.0	1	08/24/2018 08:32	WG1155367

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Semi Volatile Organic Compounds (GC/MS) by Method 625.1

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Pentachlorophenol	U		0.313	10.0	1	08/24/2018 08:32	WG1155367
Phenol	U		0.334	10.0	1	08/24/2018 08:32	WG1155367
2,4,5-Trichlorophenol	U		0.236	10.0	1	08/24/2018 08:32	WG1155367
2,4,6-Trichlorophenol	U		0.297	10.0	1	08/24/2018 08:32	WG1155367
2-Methylphenol	U		0.312	10.0	1	08/24/2018 08:32	WG1155367
3&4-Methyl Phenol	U		0.266	10.0	1	08/24/2018 08:32	WG1155367
(S) Nitrobenzene-d5	*43.7*			*15.0-314*		*08/24/2018 08:32*	WG1155367
(S) 2-Fluorobiphenyl	*55.2*			*22.0-127*		*08/24/2018 08:32*	WG1155367
(S) p-Terphenyl-d14	*65.7*			*29.0-141*		*08/24/2018 08:32*	WG1155367
(S) Phenol-d5	*24.3*			*8.00-424*		*08/24/2018 08:32*	WG1155367
(S) 2-Fluorophenol	*38.4*			*10.0-120*		*08/24/2018 08:32*	WG1155367
(S) 2,4,6-Tribromophenol	*47.3*			*10.0-153*		*08/24/2018 08:32*	WG1155367

Method Blank (MB)

(MB) R3336529-3 08/24/18 01:54

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Acenaphthene	U		0.316	1.00
Acenaphthylene	U		0.309	1.00
Anthracene	U		0.291	1.00
Benzidine	U		4.32	10.0
Benzo(a)anthracene	U		0.0975	1.00
Benzo(b)fluoranthene	U		0.0896	1.00
Benzo(k)fluoranthene	U		0.355	1.00
Benzo(g,h,i)perylene	U		0.161	1.00
Benzo(a)pyrene	U		0.340	1.00
Bis(2-chlorethoxy)methane	U		0.329	10.0
Bis(2-chloroethyl)ether	U		1.62	10.0
Bis(2-chloroisopropyl)ether	U		0.445	10.0
4-Bromophenyl-phenylether	U		0.335	10.0
Carbazole	U		0.260	10.0
2-Chloronaphthalene	U		0.330	1.00
4-Chlorophenyl-phenylether	U		0.303	10.0
Chrysene	U		0.332	1.00
Dibenz(a,h)anthracene	U		0.279	1.00
3,3-Dichlorobenzidine	U		2.02	10.0
2,4-Dinitrotoluene	U		1.65	10.0
2,6-Dinitrotoluene	U		0.279	10.0
Fluoranthene	U		0.310	1.00
Fluorene	U		0.323	1.00
Hexachlorobenzene	U		0.341	1.00
Hexachloro-1,3-butadiene	U		0.329	10.0
Hexachlorocyclopentadiene	U		2.33	10.0
Hexachloroethane	U		0.365	10.0
Indeno(1,2,3-cd)pyrene	U		0.279	1.00
Isophorone	U		0.272	10.0
Naphthalene	U		0.372	1.00
Nitrobenzene	U		0.367	10.0
n-Nitrosodimethylamine	U		1.26	10.0
n-Nitrosodiphenylamine	U		1.19	10.0
n-Nitrosodi-n-propylamine	U		0.403	10.0
Phenanthrene	U		0.366	1.00
Benzylbutyl phthalate	U		0.275	3.00
Bis(2-ethylhexyl)phthalate	U		0.709	3.00
Di-n-butyl phthalate	U		0.266	3.00
Diethyl phthalate	U		0.282	3.00
Dimethyl phthalate	U		0.283	3.00

Method Blank (MB)

(MB) R3336529-3 08/24/18 01:54

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Di-n-octyl phthalate	U		0.278	3.00
Pyrene	U		0.330	1.00
1,2,4-Trichlorobenzene	U		0.355	10.0
1,2-Diphenylhydrazine	U		0.318	10.0
4-Chloro-3-methylphenol	U		0.263	10.0
2-Chlorophenol	U		0.283	10.0
2-Nitrophenol	U		0.320	10.0
4-Nitrophenol	U		2.01	10.0
Pentachlorophenol	U		0.313	10.0
Phenol	0.389	J	0.334	10.0
2,4,6-Trichlorophenol	U		0.297	10.0
2,4-Dichlorophenol	U		0.284	10.0
2,4-Dimethylphenol	U		0.624	10.0
4,6-Dinitro-2-methylphenol	U		2.62	10.0
2,4-Dinitrophenol	U		3.25	10.0
2-Methylnaphthalene	U		0.311	1.00
2-Methylphenol	U		0.312	10.0
3&4-Methyl Phenol	U		0.266	10.0
2-Nitroaniline	U		1.90	10.0
3-Nitroaniline	U		0.308	10.0
4-Nitroaniline	U		0.349	10.0
2,4,5-Trichlorophenol	U		0.236	10.0
(S) Nitrobenzene-d5	*30.0*			*15.0-314*
(S) 2-Fluorobiphenyl	*33.8*			*22.0-127*
(S) p-Terphenyl-d14	*35.2*			*29.0-141*
(S) Phenol-d5	*23.6*			*8.00-424*
(S) 2-Fluorophenol	*35.9*			*10.0-120*
(S) 2,4,6-Tribromophenol	*27.1*			*10.0-153*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3336529-1 08/24/18 01:07 • (LCSD) R3336529-2 08/24/18 01:30

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acenaphthene	50.0	35.1	32.0	70.2	64.0	47.0-145			9.24	48
Acenaphthylene	50.0	33.9	30.9	67.8	61.8	33.0-145			9.26	74
Anthracene	50.0	32.7	30.5	65.4	61.0	27.0-133			6.96	66
Benzidine	50.0	18.7	15.4	37.4	30.8	1.00-120			19.4	36
Benzo(a)anthracene	50.0	35.4	33.2	70.8	66.4	33.0-143			6.41	53

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3336529-1 08/24/18 01:07 • (LCSD) R3336529-2 08/24/18 01:30

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzo(b)fluoranthene	50.0	38.1	35.3	76.2	70.6	24.0-159			7.63	71
Benzo(k)fluoranthene	50.0	36.0	34.2	72.0	68.4	11.0-162			5.13	63
Benzo(g,h,i)perylene	50.0	38.2	35.6	76.4	71.2	1.00-219			7.05	97
Benzo(a)pyrene	50.0	36.6	34.2	73.2	68.4	17.0-163			6.78	72
Bis(2-chlorethoxy)methane	50.0	28.1	25.6	56.2	51.2	1.00-219			9.31	54
Bis(2-chloroethyl)ether	50.0	31.5	25.6	63.0	51.2	33.0-185			20.7	108
Bis(2-chloroisopropyl)ether	50.0	31.8	26.4	63.6	52.8	36.0-166			18.6	76
4-Bromophenyl-phenylether	50.0	34.7	32.1	69.4	64.2	53.0-127			7.78	43
Carbazole	50.0	38.4	35.9	76.8	71.8	45.0-121			6.73	22
2-Chloronaphthalene	50.0	32.6	29.4	65.2	58.8	60.0-120		J4	10.3	24
4-Chlorophenyl-phenylether	50.0	36.0	34.1	72.0	68.2	25.0-158			5.42	61
Chrysene	50.0	36.0	34.0	72.0	68.0	17.0-168			5.71	87
Dibenz(a,h)anthracene	50.0	36.2	33.8	72.4	67.6	1.00-227			6.86	126
3,3-Dichlorobenzidine	50.0	37.7	34.3	75.4	68.6	1.00-262			9.44	108
2,4-Dinitrotoluene	50.0	38.4	36.3	76.8	72.6	39.0-139			5.62	42
2,6-Dinitrotoluene	50.0	35.6	33.3	71.2	66.6	50.0-158			6.68	48
Fluoranthene	50.0	39.1	36.1	78.2	72.2	26.0-137			7.98	66
Fluorene	50.0	36.5	34.3	73.0	68.6	59.0-121			6.21	38
Hexachlorobenzene	50.0	37.9	35.2	75.8	70.4	1.00-152			7.39	55
Hexachloro-1,3-butadiene	50.0	31.1	26.0	62.2	52.0	24.0-120			17.9	62
Hexachlorocyclopentadiene	50.0	26.3	22.1	52.6	44.2	10.0-120			17.4	31
Hexachloroethane	50.0	28.6	23.5	57.2	47.0	40.0-120			19.6	52
Indeno(1,2,3-cd)pyrene	50.0	38.0	35.4	76.0	70.8	1.00-171			7.08	99
Isophorone	50.0	28.1	25.9	56.2	51.8	21.0-196			8.15	93
Naphthalene	50.0	28.7	24.6	57.4	49.2	21.0-133			15.4	65
Nitrobenzene	50.0	28.8	24.1	57.6	48.2	35.0-180			17.8	62
n-Nitrosodimethylamine	50.0	17.3	14.9	34.6	29.8	10.0-120			14.9	34
n-Nitrosodiphenylamine	50.0	34.8	32.4	69.6	64.8	44.0-120			7.14	21
n-Nitrosodi-n-propylamine	50.0	31.3	26.7	62.6	53.4	1.00-230			15.9	87
Phenanthrene	50.0	35.0	32.5	70.0	65.0	54.0-120			7.41	39
Benzylbutyl phthalate	50.0	34.1	32.2	68.2	64.4	1.00-152			5.73	60
Bis(2-ethylhexyl)phthalate	50.0	33.7	31.4	67.4	62.8	8.00-158			7.07	82
Di-n-butyl phthalate	50.0	36.0	34.0	72.0	68.0	1.00-120			5.71	47
Diethyl phthalate	50.0	37.3	35.2	74.6	70.4	1.00-120			5.79	100
Dimethyl phthalate	50.0	35.3	33.5	70.6	67.0	1.00-120			5.23	183
Di-n-octyl phthalate	50.0	35.7	33.7	71.4	67.4	4.00-146			5.76	69
Pyrene	50.0	35.5	33.2	71.0	66.4	52.0-120			6.70	49
1,2,4-Trichlorobenzene	50.0	28.8	24.1	57.6	48.2	44.0-142			17.8	50
1,2-Diphenylhydrazine	50.0	32.2	30.0	64.4	60.0	37.0-125			7.07	20
4-Chloro-3-methylphenol	50.0	34.3	31.7	68.6	63.4	22.0-147			7.88	73

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3336529-1 08/24/18 01:07 • (LCSD) R3336529-2 08/24/18 01:30

Analyte	Spike Amount ug/l	LCS Result ug/l	LCSD Result ug/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
2-Chlorophenol	50.0	31.9	27.2	63.8	54.4	23.0-134			15.9	61
2,4-Dichlorophenol	50.0	33.4	29.0	66.8	58.0	39.0-135			14.1	50
2,4-Dimethylphenol	50.0	32.1	28.6	64.2	57.2	32.0-120			11.5	58
4,6-Dinitro-2-methylphenol	50.0	39.9	37.9	79.8	75.8	1.00-181			5.14	203
2,4-Dinitrophenol	50.0	29.9	30.5	59.8	61.0	1.00-191			1.99	132
2-Methylnaphthalene	50.0	29.5	26.3	59.0	52.6	35.0-120			11.5	25
2-Methylphenol	50.0	30.8	27.7	61.6	55.4	26.0-120			10.6	27
3&4-Methyl Phenol	50.0	33.0	30.1	66.0	60.2	27.0-120			9.19	28
2-Nitroaniline	50.0	34.4	31.8	68.8	63.6	43.0-120			7.85	23
3-Nitroaniline	50.0	37.9	34.4	75.8	68.8	35.0-123			9.68	25
4-Nitroaniline	50.0	45.9	43.8	91.8	87.6	23.0-160			4.68	26
2-Nitrophenol	50.0	34.0	29.6	68.0	59.2	29.0-182			13.8	55
4-Nitrophenol	50.0	11.2	11.6	22.4	23.2	1.00-132			3.51	131
Pentachlorophenol	50.0	28.2	27.3	56.4	54.6	14.0-176			3.24	86
Phenol	50.0	16.5	15.1	33.0	30.2	5.00-120			8.86	64
2,4,6-Trichlorophenol	50.0	36.2	33.9	72.4	67.8	37.0-144			6.56	58
2,4,5-Trichlorophenol	50.0	35.7	34.1	71.4	68.2	44.0-124			4.58	24
(S) Nitrobenzene-d5				*51.9*	*43.2*	*15.0-314*				
(S) 2-Fluorobiphenyl				*61.7*	*54.9*	*22.0-127*				
(S) p-Terphenyl-d14				*69.8*	*64.7*	*29.0-141*				
(S) Phenol-d5				*28.2*	*27.4*	*8.00-424*				
(S) 2-Fluorophenol				*42.6*	*39.9*	*10.0-120*				
(S) 2,4,6-Tribromophenol				*67.5*	*64.0*	*10.0-153*				

L1019137-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1019137-01 08/24/18 02:17 • (MS) R3336529-4 08/24/18 02:40 • (MSD) R3336529-5 08/24/18 03:04

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	50.0	ND	25.5	29.1	51.0	58.2	1	47.0-145			13.2	48
Acenaphthylene	50.0	ND	24.9	28.8	49.8	57.6	1	33.0-145			14.5	74
Anthracene	50.0	ND	23.7	28.1	47.4	56.2	1	27.0-133			17.0	66
Benzidine	50.0	ND	6.69	10.1	13.4	20.2	1	1.00-120		J3	40.6	40
Benzo(a)anthracene	50.0	ND	25.6	31.8	51.2	63.6	1	33.0-143			21.6	53
Benzo(b)fluoranthene	50.0	ND	27.3	33.3	54.6	66.6	1	24.0-159			19.8	71
Benzo(k)fluoranthene	50.0	ND	25.8	32.5	51.6	65.0	1	11.0-162			23.0	63
Benzo(g,h,i)perylene	50.0	ND	26.4	34.0	52.8	68.0	1	1.00-219			25.2	97
Benzo(a)pyrene	50.0	ND	25.6	33.2	51.2	66.4	1	17.0-163			25.9	72
Bis(2-chlorethoxy)methane	50.0	ND	20.8	23.4	41.6	46.8	1	33.0-184			11.8	54

L1019137-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1019137-01 08/24/18 02:17 • (MS) R3336529-4 08/24/18 02:40 • (MSD) R3336529-5 08/24/18 03:04

Analyte	Spike Amount ug/l	Original Result ug/l	MS Result ug/l	MSD Result ug/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Bis(2-chloroethyl)ether	50.0	ND	24.4	26.8	48.8	53.6	1	12.0-158			9.37	108
Bis(2-chloroisopropyl)ether	50.0	ND	24.6	27.0	49.2	54.0	1	36.0-166			9.30	76
4-Bromophenyl-phenylether	50.0	ND	24.9	29.4	49.8	58.8	1	53.0-127	J6		16.6	43
Carbazole	50.0	ND	27.9	32.8	55.8	65.6	1	23.0-158			16.1	26
2-Chloronaphthalene	50.0	ND	24.0	27.1	48.0	54.2	1	60.0-120	J6	J6	12.1	24
4-Chlorophenyl-phenylether	50.0	ND	26.8	31.1	53.6	62.2	1	25.0-158			14.9	61
Chrysene	50.0	ND	26.4	32.2	52.8	64.4	1	17.0-168			19.8	87
Dibenz(a,h)anthracene	50.0	ND	25.5	32.5	51.0	65.0	1	1.00-227			24.1	126
3,3-Dichlorobenzidine	50.0	ND	25.3	32.7	50.6	65.4	1	1.00-262			25.5	108
2,4-Dinitrotoluene	50.0	ND	27.0	32.0	54.0	64.0	1	39.0-139			16.9	42
2,6-Dinitrotoluene	50.0	ND	25.2	30.2	50.4	60.4	1	50.0-158			18.1	48
Fluoranthene	50.0	ND	28.5	33.9	57.0	67.8	1	26.0-137			17.3	66
Fluorene	50.0	ND	26.6	31.1	53.2	62.2	1	59.0-121	J6		15.6	38
Hexachlorobenzene	50.0	ND	27.5	32.5	55.0	65.0	1	1.00-152			16.7	55
Hexachloro-1,3-butadiene	50.0	ND	22.4	23.9	44.8	47.8	1	24.0-120			6.48	62
Hexachlorocyclopentadiene	50.0	ND	20.2	23.2	40.4	46.4	1	10.0-146			13.8	34
Hexachloroethane	50.0	ND	21.5	22.0	43.0	44.0	1	40.0-120			2.30	52
Indeno(1,2,3-cd)pyrene	50.0	ND	26.6	33.9	53.2	67.8	1	1.00-171			24.1	99
Isophorone	50.0	ND	20.5	23.1	41.0	46.2	1	21.0-196			11.9	93
Naphthalene	50.0	ND	22.0	24.5	44.0	49.0	1	21.0-133			10.8	65
Nitrobenzene	50.0	ND	21.4	24.7	42.8	49.4	1	35.0-180			14.3	62
n-Nitrosodimethylamine	50.0	ND	14.1	14.6	28.2	29.2	1	10.0-120			3.48	40
n-Nitrosodiphenylamine	50.0	ND	25.3	29.1	50.6	58.2	1	16.0-160			14.0	28
n-Nitrosodi-n-propylamine	50.0	ND	22.3	25.2	44.6	50.4	1	1.00-230			12.2	87
Phenanthrene	50.0	ND	25.1	29.7	50.2	59.4	1	54.0-120	J6		16.8	39
Benzylbutyl phthalate	50.0	ND	25.4	32.5	50.8	65.0	1	1.00-152			24.5	60
Bis(2-ethylhexyl)phthalate	50.0	ND	23.4	30.9	46.8	61.8	1	8.00-158			27.6	82
Di-n-butyl phthalate	50.0	ND	26.8	31.9	53.6	63.8	1	1.00-120			17.4	47
Diethyl phthalate	50.0	ND	27.9	32.2	55.8	64.4	1	1.00-120			14.3	100
Dimethyl phthalate	50.0	ND	26.2	30.3	52.4	60.6	1	1.00-120			14.5	183
Di-n-octyl phthalate	50.0	ND	24.9	33.1	49.8	66.2	1	4.00-146			28.3	69
Pyrene	50.0	ND	25.2	31.4	50.4	62.8	1	52.0-120	J6		21.9	49
1,2,4-Trichlorobenzene	50.0	ND	21.9	23.6	43.8	47.2	1	44.0-142	J6		7.47	50
1,2-Diphenylhydrazine	50.0	ND	22.9	26.5	45.8	53.0	1	18.0-156			14.6	34
4-Chloro-3-methylphenol	50.0	ND	21.3	27.0	42.6	54.0	1	22.0-147			23.6	73
2-Chlorophenol	50.0	ND	20.3	25.7	40.6	51.4	1	23.0-134			23.5	61
2,4-Dichlorophenol	50.0	ND	22.8	28.0	45.6	56.0	1	39.0-135			20.5	50
2,4-Dimethylphenol	50.0	ND	20.3	23.0	40.6	46.0	1	32.0-120			12.5	58
4,6-Dinitro-2-methylphenol	50.0	ND	33.6	32.6	67.2	65.2	1	1.00-181			3.02	203
2,4-Dinitrophenol	50.0	ND	33.3	27.4	66.6	54.8	1	1.00-191			19.4	132

L1019137-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1019137-01 08/24/18 02:17 • (MS) R3336529-4 08/24/18 02:40 • (MSD) R3336529-5 08/24/18 03:04

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
2-Methylnaphthalene	50.0	ND	22.1	24.9	44.2	49.8	1	13.0-142			11.9	29
2-Methylphenol	50.0	ND	16.4	22.2	32.8	44.4	1	14.0-120		J3	30.1	29
3&4-Methyl Phenol	50.0	ND	14.2	20.7	28.4	41.4	1	13.0-124		J3	37.2	26
2-Nitroaniline	50.0	ND	23.2	28.3	46.4	56.6	1	13.0-160			19.8	27
3-Nitroaniline	50.0	ND	23.6	29.8	47.2	59.6	1	10.0-160			23.2	26
4-Nitroaniline	50.0	ND	29.8	38.1	59.6	76.2	1	17.0-160			24.4	29
2-Nitrophenol	50.0	ND	26.6	29.2	53.2	58.4	1	29.0-182			9.32	55
4-Nitrophenol	50.0	ND	10.7	8.61	21.4	17.2	1	1.00-132			21.6	131
Pentachlorophenol	50.0	ND	15.9	16.6	31.8	33.2	1	14.0-176			4.31	86
Phenol	50.0	ND	9.15	11.3	17.3	21.6	1	5.00-120			21.0	64
2,4,6-Trichlorophenol	50.0	ND	20.0	28.2	40.0	56.4	1	37.0-144			34.0	58
2,4,5-Trichlorophenol	50.0	ND	23.9	30.0	47.8	60.0	1	15.0-160			22.6	27
(S) Nitrobenzene-d5					*39.5*	*43.9*		*15.0-314*				
(S) 2-Fluorobiphenyl					*45.8*	*53.0*		*22.0-127*				
(S) p-Terphenyl-d14					*49.1*	*62.3*		*29.0-141*				
(S) Phenol-d5					*12.8*	*19.5*		*8.00-424*				
(S) 2-Fluorophenol					*18.1*	*29.6*		*10.0-120*				
(S) 2,4,6-Tribromophenol					*45.6*	*57.0*		*10.0-153*				

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.
* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN-03-2002-34
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	n/a
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky [1 6]	90010	South Carolina	84004
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana [1]	LA180010	Texas	T 104704245-17-14
Maine	TN0002	Texas [5]	LAB0152
Maryland	324	Utah	TN00003
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	460132
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA

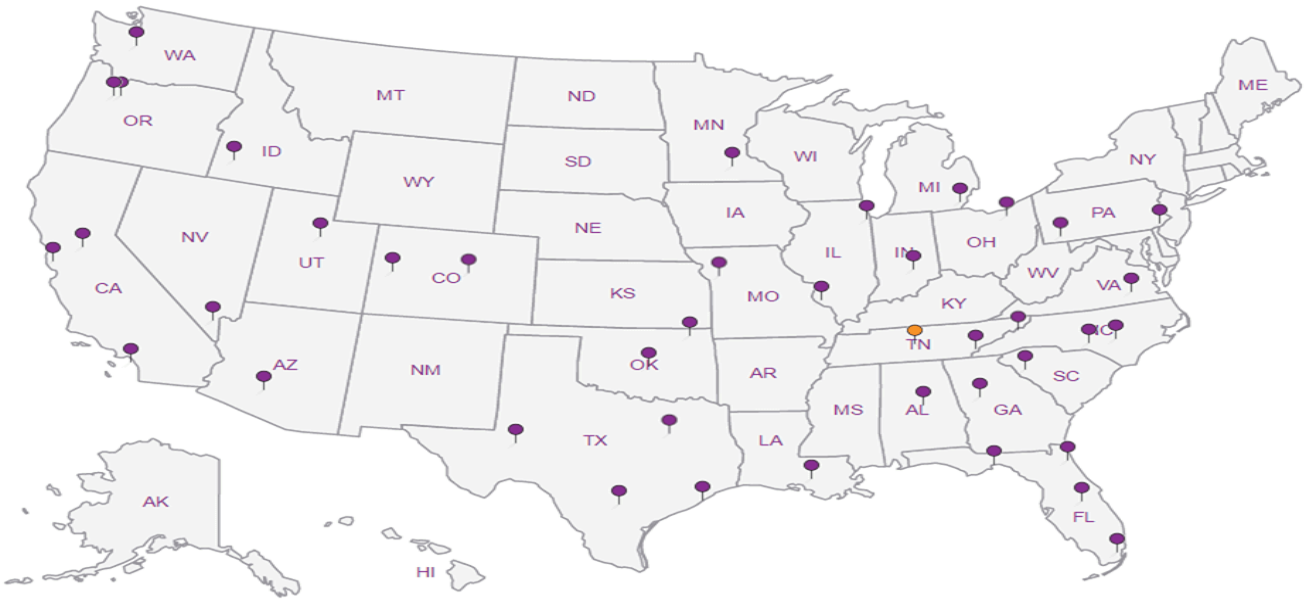
Third Party Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



F010

Chain of Custody

Pace Analytical
www.pacelabs.com

Workorder: 7062017 **Workorder Name:** Pelham M1-8/17 **Results Requested By:** 9/4/2018

Report / Invoice To	Subcontract To
Jennifer Aracri Pace Analytical Melville 575 Broad Hollow Road Melville, NY 11747 Phone (631)694-3040 Email: jennifer.aracri@pacelabs.com fedex: 4578 0394 2080 **State of Sample Origin:** NY	Pace Analytical National 12065 Lebanon Rd. Mt. Juliet, TN 37122 P.O. 7062017JSA

Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Preserved Containers: Unpreserved	Requested Analysis: 625.1	LAB USE ONLY
1	M1-24 HOUR FIELD COMPOSITE	8/17/2018 10:00	7062017005	Water		X	L1019522-01
2							
3							
4							
5							

Transfers	Released By	Date/Time	Received By	Date/Time
1	Danielle Williams	8/20/18 1810	AMM	8/21/18 845
2				
3				

Comments: Please use attached list.

Cooler Temperature on Receipt °C | **Custody Seal** Y or (N) | **Received on Ice** (Y) or N | **Samples Intact** (Y) or N

0.3 °C
10.5 MR/HR

WO#:7062017

7062017

CHAIN OF CUSTODY RECORD

L1019522

PELHAM BAY LANDFILL

M1

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:	Andre Dziegelewski
Source:	**Pelham Bay Landfill**
Job No.:	

Laboratory Use Only

Samples were:

1. Shipped____ or Hand Delivered____ Airbill#_____
2. Ambient or Chilled, **Temperature** _____
3. Received in good condition Yes or No
4. Properly preserved Yes or No
- Discrepancies between labels and COC? Yes or No

MATRIX (Water, Soil, etc.)	COLLECTED DATE	COLLECTED TIME	SAMPLE IDENTIFICATION	Total Number of Containers: 27	VOCs (Grabs composited at Lab) 40 mL VIALS	Cyanide (Grabs composited at Lab) 60 mL Plastic [NaOH]	TSS, pH 500 mL Plastic	Oil & Grease 1 Liter Amber Glass [HCl]	Non Metals 1 Liter Plastic	Metals 250 mL Plastic [HNO_3]	Total N, TKN 250 mL Plastic [H_2SO_4]	SVOC (625) and PCB (608) 1 Liter Amber Glass	Field Ph	Lab. ID #	REMARKS
Water	8/17/18	7:00	M1 - 7:00 - Grab #1	5	2	1	1	1							
Water	8/17/18	8:00	M1 - 8:00 - Grab #2	5	2	1	1	1							
Water	8/17/18	9:00	M1 - 9:00 - Grab #3	5	2	1	1	1							
Water	8/17/18	10:00	M1 - 10:00 - Grab #4	5	2	1	1	1							
Start:	8/16/18	11:00	M1 - 24 Hour Field Composite												
End:	8/17/18	10:00		7					1	1	1	4			

Relinquished by: (Signature)	Date: 8/17/18	SEAL INTACT? YES NO NA	Received by: (Signature)	8/17/18	Relinquished by: (Signature)	Date: 8/17/18	SEAL INTACT? YES NO NA	Received by: (Signature)
Representing: STRATIS	Time: 1:30		Representing: ADT	17:30	Representing:	Time: 18:06		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:

asm 8/21/18 845

Pace Analytical

Sample Condition Upon Receipt

L1019522

WO#:7062017

PM: JSA Due Date: 09/04/18
CLIENT: STRATIS

Client Name: STRATIS

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☐ No Seals intact: ☑ Yes ☐ No

Temperature Blank Present: ☐ Yes ☐ No

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ Ziploc ☐ None ☐ Other

Type of Ice: (Wet) Blue None

Thermometer Used: TH091 Correction Factor: 0.0

☐ Samples on ice, cooling process has begun

Cooler Temperature (°C): 2.2 Cooler Temperature Corrected (°C): 2.2

Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☐ N/A, water sample)

Date and Initials of person examining contents: 8/17/18

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ YES ☐ NO

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	☑Yes	☐No		1.
Chain of Custody Filled Out:	☑Yes	☐No		2.
Chain of Custody Relinquished:	☑Yes	☐No		3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☑Yes	☐No		5.
Short Hold Time Analysis (<72hr):	☑Yes	☐No		6.
Rush Turn Around Time Requested:	☐Yes	☑No		7.
Sufficient Volume: (Triple volume provided for MS/MSD)	☑Yes	☐No		8.
Correct Containers Used:	☑Yes	☐No		9.
-Pace Containers Used:	☑Yes	☐No		
Containers Intact:	☑Yes	☐No		10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☑Yes	☐No		12.
-Includes date/time/ID/Analysis Matrix: SL WT OIL				
All containers needing preservation have been checked.	☑Yes	☐No	☐N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot # HC849161				Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NaOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	☑Yes	☐No	☐N/A	Initial when completed: / Lot # of added preservative: / Date/Time preservative added:
Samples checked for dechlorination:	☐Yes	☐No	☑N/A	14.
KI starch test strips Lot #				Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #				
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A	15.
Trip Blank Present:	☐Yes	☑No	☐N/A	16.
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A	
Pace Trip Blank Lot # (if applicable):				

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

* PM (Project Manager) review is documented electronically in LIMS.

F-LI-C-002-rev.02

8/17/18 mm 845

L1019522

Profile List

PASI New York Laboratory

Client STRATIS **Profile Number** 6785 **Line Item** 1

Line Item	Acode	Cmp List	Cmp	Analyte	CAS No.	PQL	MDL	Units	Sig Figs
	6251 W	6251 W	phol	Phenol	108-95-2	1	0.137	ug/L	E
			bis1	bis(2-Chloroethyl) ether	111-44-4	1	0.174	ug/L	E
			2cph	2-Chlorophenol	95-57-8	1	0.181	ug/L	E
			nidp	N-Nitroso-di-n-propylamine	621-64-7	1	0.268	ug/L	E
			nitb	Nitrobenzene	98-95-3	1	0.389	ug/L	E
			iso1	Isophorone	78-59-1	1	0.13	ug/L	E
			2nph	2-Nitrophenol	88-75-5	1	0.266	ug/L	E
			24dm	2,4-Dimethylphenol	105-67-9	5	0.601	ug/L	E
			bis0	bis(2-Chloroethoxy)methane	111-91-1	1	0.444	ug/L	E
			24dc	2,4-Dichlorophenol	120-83-2	1	0.23	ug/L	E
			12b4	1,2,4-Trichlorobenzene	120-82-1	1	0.245	ug/L	E
			naph	Naphthalene	91-20-3	1	0.284	ug/L	E
			h13b	Hexachloro-1,3-butadiene	87-68-3	1	0.412	ug/L	E
			4c3m	4-Chloro-3-methylphenol	59-50-7	1	0.19	ug/L	E
			hecc	Hexachlorocyclopentadiene	77-47-4	5	2.5	ug/L	E
			24c6	2,4,6-Trichlorophenol	88-06-2	1	0.156	ug/L	E
			2cna	2-Chloronaphthalene	91-58-7	1	0.285	ug/L	E
			dpt	Dimethylphthalate	131-11-3	1	0.176	ug/L	E
			acp2	Acenaphthylene	208-96-8	1	0.198	ug/L	E
			26dt	2,6-Dinitrotoluene	606-20-2	1	0.315	ug/L	E
			acp1	Acenaphthene	83-32-9	1	0.182	ug/L	E
			24dp	2,4-Dinitrophenol	51-28-5	5	2.5	ug/L	E
			4nph	4-Nitrophenol	100-02-7	5	2.5	ug/L	E
			24dt	2,4-Dinitrotoluene	121-14-2	1	0.205	ug/L	E
			dpht	Diethylphthalate	84-66-2	1	0.141	ug/L	E
			4cph	4-Chlorophenylphenyl ether	7005-72-3	1	0.284	ug/L	E
			fluo	Fluorene	86-73-7	1	0.209	ug/L	E
			46dp	4,6-Dinitro-2-methylphenol	534-52-1	5	1.9	ug/L	E
			ndp	N-Nitrosodiphenylamine	86-30-6	1	0.256	ug/L	E
			4bpp	4-Bromophenylphenyl ether	101-55-3	1	0.174	ug/L	E
			hecb	Hexachlorobenzene	118-74-1	1	0.222	ug/L	E
			ptcf	Pentachlorophenol	87-86-5	5	2.5	ug/L	E
			phth	Phenanthrene	85-01-8	1	0.212	ug/L	E
			anth	Anthracene	120-12-7	1	0.136	ug/L	E
			dnbp	Di-n-butylphthalate	84-74-2	1	0.167	ug/L	E
			flut	Fluoranthene	206-44-0	1	0.27	ug/L	E
			pyre	Pyrene	129-00-0	1	0.196	ug/L	E
			bbzp	Butylbenzylphthalate	85-68-7	1	0.241	ug/L	E
			33db	3,3'-Dichlorobenzidine	91-94-1	1	0.163	ug/L	E
			baza	Benzo(a)anthracene	56-55-3	1	0.119	ug/L	E
			chry	Chrysene	218-01-9	1	0.166	ug/L	E
			bis4	bis(2-Ethylhexyl)phthalate	117-81-7	1	0.134	ug/L	E
			dnop	Di-n-octylphthalate	117-84-0	1	0.2	ug/L	E
			bbzf	Benzo(b)fluoranthene	205-99-2	1	0.152	ug/L	E
			bkf2	Benzo(k)fluoranthene	207-08-9	1	0.093	ug/L	E
			bazp	Benzo(a)pyrene	50-32-8	1	0.096	ug/L	E
			inde	Indeno(1,2,3-cd)pyrene	193-39-5	1	0.25	ug/L	E
			dbaa	Dibenz(a,h)anthracene	53-70-3	1	0.353	ug/L	E
			bep2	Benzo(g,h,i)perylene	191-24-2	1	0.875	ug/L	E
			hece	Hexachloroethane	67-72-1	1	0.189	ug/L	E
			22ox	2,2'-Oxybis(1-chloropropane)	108-60-1	1	0.164	ug/L	E
			2mph	2-Methylphenol(o-Cresol)	95-48-7	1	0.268	ug/L	E
			34mp	3&4-Methylphenol(m&p Cresol)		1	0.282	ug/L	E
			carz	Carbazole	86-74-8	1	0.115	ug/L	E
			245t	2,4,5-Trichlorophenol	95-95-4	1	0.272	ug/L	E
			2nni	2-Nitroaniline	88-74-4	1	0.268	ug/L	E
			3nni	3-Nitroaniline	99-09-2	1	0.29	ug/L	E
			4cha	4-Chloroaniline	106-47-8	1	0.374	ug/L	E
			4nni	4-Nitroaniline	100-01-6	1	0.333	ug/L	E
			2myp	2-Methylnaphthalene	91-57-6	1	0.213	ug/L	E

8/21/18 SAS

Pace Analytical National Center for Testing & Innovation
Cooler Receipt Form

Client:	PACEMNY	SDG#	L1019522
Cooler Received/Opened On: 8/ 21 /18		Temperature:	0.3
Received By: Alexandra Murtaugh			
Signature:			

Receipt Check List	NP	Yes	No
COC Seal Present / Intact?	✓		
COC Signed / Accurate?		✓	
Bottles arrive intact?		✓	
Correct bottles used?		✓	
Sufficient volume sent?		✓	
If Applicable			
VOA Zero headspace?			
Preservation Correct / Checked?			

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

September 24, 2018

Vincent G. Pelusio
Stratis Contracting Corp.
7 Corporate Drive
Peekskill, NY 10566

RE: Project: Pelham M1-9/7
Pace Project No.: 7064084

Dear Vincent Pelusio:
Enclosed are the analytical results for sample(s) received by the laboratory on September 07, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Jennifer Aracri
jennifer.aracri@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: Mildred Gonos, Stratis Contracting Corp.
Paul Jeris, Stratis Contracting Corp.
Emile Mclean, Stratis Contracting Corp.

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

CERTIFICATIONS

Project: Pelham M1-9/7
Pace Project No.: 7064084

Long Island Certification IDs

575 Broad Hollow Rd, Melville, NY 11747
New York Certification #: 10478 Primary Accrediting Body
New Jersey Certification #: NY158
Pennsylvania Certification #: 68-00350
Connecticut Certification #: PH-0435
Maryland Certification #: 208
Rhode Island Certification #: LAO00340
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987

REPORT OF LABORATORY ANALYSIS

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: Pelham M1-9/7
Pace Project No.: 7064084

Sample: M1-7:00-GRAB #1 **Lab ID: 7064084001** Collected: 09/07/18 07:00 Received: 09/07/18 18:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	**<5.1**	mg/L	5.1	1		09/17/18 16:06		
2540D Total Suspended Solids	Analytical Method: SM22 2540D							
Total Suspended Solids	**<10.0**	mg/L	10.0	1		09/13/18 18:49		
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B							
pH	**6.5**	Std. Units	0.10	1		09/07/18 21:26		H3,H6
Temperature, Water (C)	**22.3**	deg C	0.10	1		09/07/18 21:26		H3,H6

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ANALYTICAL RESULTS

Project: Pelham M1-9/7
Pace Project No.: 7064084

Sample: M1-8:00-GRAB #2 **Lab ID: 7064084002** Collected: 09/07/18 08:00 Received: 09/07/18 18:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	**<5.6**	mg/L	5.6	1		09/17/18 16:06		
2540D Total Suspended Solids	Analytical Method: SM22 2540D							
Total Suspended Solids	**<10.0**	mg/L	10.0	1		09/13/18 18:49		
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B							
pH	**6.5**	Std. Units	0.10	1		09/07/18 21:28		H3,H6
Temperature, Water (C)	**22.2**	deg C	0.10	1		09/07/18 21:28		H3,H6

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Melville, NY 11747
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ANALYTICAL RESULTS

Project: Pelham M1-9/7
Pace Project No.: 7064084

Sample: M1-9:00-GRAB #3 **Lab ID: 7064084003** Collected: 09/07/18 09:00 Received: 09/07/18 18:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	**<5.0**	mg/L	5.0	1		09/17/18 16:06		
2540D Total Suspended Solids	Analytical Method: SM22 2540D							
Total Suspended Solids	**<10.0**	mg/L	10.0	1		09/13/18 18:49		
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B							
pH	**6.6**	Std. Units	0.10	1		09/07/18 21:30		H3,H6
Temperature, Water (C)	**22.0**	deg C	0.10	1		09/07/18 21:30		H3,H6

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Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: Pelham M1-9/7
Pace Project No.: 7064084

Sample: M1-10:00-GRAB #4 **Lab ID: 7064084004** Collected: 09/07/18 10:00 Received: 09/07/18 18:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	**<5.0**	mg/L	5.0	1		09/17/18 16:06		
2540D Total Suspended Solids	Analytical Method: SM22 2540D							
Total Suspended Solids	**<10.0**	mg/L	10.0	1		09/13/18 18:49		
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B							
pH	**6.6**	Std. Units	0.10	1		09/07/18 21:31		H3,H6
Temperature, Water (C)	**21.8**	deg C	0.10	1		09/07/18 21:31		H3,H6

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Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: Pelham M1-9/7
Pace Project No.: 7064084

Sample: M1-24 HOUR FIELD COMPOSITE **Lab ID: 7064084005** Collected: 09/07/18 10:00 Received: 09/07/18 18:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
608.3 GCSV PCB LOW	Analytical Method: EPA 608.3 Preparation Method: EPA 608.3							
PCB-1016 (Aroclor 1016)	**<0.065**	ug/L	0.065	1	09/13/18 12:26	09/14/18 18:24	12674-11-2	
PCB-1221 (Aroclor 1221)	**<0.065**	ug/L	0.065	1	09/13/18 12:26	09/14/18 18:24	11104-28-2	
PCB-1232 (Aroclor 1232)	**<0.065**	ug/L	0.065	1	09/13/18 12:26	09/14/18 18:24	11141-16-5	
PCB-1242 (Aroclor 1242)	**0.082**	ug/L	0.065	1	09/13/18 12:26	09/14/18 18:24	53469-21-9	
PCB-1248 (Aroclor 1248)	**<0.065**	ug/L	0.065	1	09/13/18 12:26	09/14/18 18:24	12672-29-6	
PCB-1254 (Aroclor 1254)	**<0.065**	ug/L	0.065	1	09/13/18 12:26	09/14/18 18:24	11097-69-1	
PCB-1260 (Aroclor 1260)	**<0.065**	ug/L	0.065	1	09/13/18 12:26	09/14/18 18:24	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	44	%	10-149	1	09/13/18 12:26	09/14/18 18:24	877-09-8	
Decachlorobiphenyl (S)	61	%	10-149	1	09/13/18 12:26	09/14/18 18:24	2051-24-3	
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Cadmium	**<2.5**	ug/L	2.5	1	09/11/18 14:15	09/12/18 05:13	7440-43-9	
Chromium	**<10.0**	ug/L	10.0	1	09/11/18 14:15	09/12/18 05:13	7440-47-3	
Copper	**<25.0**	ug/L	25.0	1	09/11/18 14:15	09/12/18 05:13	7440-50-8	
Lead	**<5.0**	ug/L	5.0	1	09/11/18 14:15	09/12/18 05:13	7439-92-1	
Molybdenum	**<20.0**	ug/L	20.0	1	09/11/18 14:15	09/12/18 05:13	7439-98-7	
Nickel	**<40.0**	ug/L	40.0	1	09/11/18 14:15	09/12/18 05:13	7440-02-0	
Silver	**<10.0**	ug/L	10.0	1	09/11/18 14:15	09/12/18 05:13	7440-22-4	
Zinc	**<20.0**	ug/L	20.0	1	09/11/18 14:15	09/12/18 05:13	7440-66-6	
245.1 Mercury	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	**0.24**	ug/L	0.20	1	09/11/18 15:10	09/12/18 09:17	7439-97-6	
625.1 MSSV	Analytical Method: EPA 625.1 Preparation Method: EPA 625.1 SF							
Acenaphthene	**<1.0**	ug/L	1.0	1	09/10/18 11:23	09/11/18 20:12	83-32-9	
Acenaphthylene	**<1.0**	ug/L	1.0	1	09/10/18 11:23	09/11/18 20:12	208-96-8	
Anthracene	**<1.0**	ug/L	1.0	1	09/10/18 11:23	09/11/18 20:12	120-12-7	
Benzo(a)anthracene	**<1.0**	ug/L	1.0	1	09/10/18 11:23	09/11/18 20:12	56-55-3	
Benzo(a)pyrene	**<1.0**	ug/L	1.0	1	09/10/18 11:23	09/11/18 20:12	50-32-8	
Benzo(b)fluoranthene	**<1.0**	ug/L	1.0	1	09/10/18 11:23	09/11/18 20:12	205-99-2	
Benzo(g,h,i)perylene	**<1.0**	ug/L	1.0	1	09/10/18 11:23	09/11/18 20:12	191-24-2	
Benzo(k)fluoranthene	**<1.0**	ug/L	1.0	1	09/10/18 11:23	09/11/18 20:12	207-08-9	
4-Bromophenylphenyl ether	**<1.0**	ug/L	1.0	1	09/10/18 11:23	09/11/18 20:12	101-55-3	
Butylbenzylphthalate	**1.6**	ug/L	1.0	1	09/10/18 11:23	09/11/18 20:12	85-68-7	
Carbazole	**<1.0**	ug/L	1.0	1	09/10/18 11:23	09/11/18 20:12	86-74-8	
4-Chloro-3-methylphenol	**<1.0**	ug/L	1.0	1	09/10/18 11:23	09/11/18 20:12	59-50-7	
4-Chloroaniline	**<1.0**	ug/L	1.0	1	09/10/18 11:23	09/11/18 20:12	106-47-8	N2
bis(2-Chloroethoxy)methane	**<1.0**	ug/L	1.0	1	09/10/18 11:23	09/11/18 20:12	111-91-1	
bis(2-Chloroethyl) ether	**<1.0**	ug/L	1.0	1	09/10/18 11:23	09/11/18 20:12	111-44-4	
2-Chloronaphthalene	**<1.0**	ug/L	1.0	1	09/10/18 11:23	09/11/18 20:12	91-58-7	
2-Chlorophenol	**<1.0**	ug/L	1.0	1	09/10/18 11:23	09/11/18 20:12	95-57-8	
4-Chlorophenylphenyl ether	**<1.0**	ug/L	1.0	1	09/10/18 11:23	09/11/18 20:12	7005-72-3	
Chrysene	**<1.0**	ug/L	1.0	1	09/10/18 11:23	09/11/18 20:12	218-01-9	
Dibenz(a,h)anthracene	**<1.0**	ug/L	1.0	1	09/10/18 11:23	09/11/18 20:12	53-70-3	
3,3'-Dichlorobenzidine	**<1.0**	ug/L	1.0	1	09/10/18 11:23	09/11/18 20:12	91-94-1	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: Pelham M1-9/7
Pace Project No.: 7064084

Sample: M1-24 HOUR FIELD COMPOSITE **Lab ID: 7064084005** Collected: 09/07/18 10:00 Received: 09/07/18 18:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625.1 MSSV	Analytical Method: EPA 625.1 Preparation Method: EPA 625.1 SF							
2,4-Dichlorophenol	**<1.0**	ug/L	1.0	1	09/10/18 11:23	09/11/18 20:12	120-83-2	
Diethylphthalate	**<1.0**	ug/L	1.0	1	09/10/18 11:23	09/11/18 20:12	84-66-2	
2,4-Dimethylphenol	**<5.0**	ug/L	5.0	1	09/10/18 11:23	09/11/18 20:12	105-67-9	
Dimethylphthalate	**<1.0**	ug/L	1.0	1	09/10/18 11:23	09/11/18 20:12	131-11-3	
Di-n-butylphthalate	**1.3**	ug/L	1.0	1	09/10/18 11:23	09/11/18 20:12	84-74-2	
4,6-Dinitro-2-methylphenol	**<5.0**	ug/L	5.0	1	09/10/18 11:23	09/11/18 20:12	534-52-1	
2,4-Dinitrophenol	**<5.0**	ug/L	5.0	1	09/10/18 11:23	09/11/18 20:12	51-28-5	
2,4-Dinitrotoluene	**<1.0**	ug/L	1.0	1	09/10/18 11:23	09/11/18 20:12	121-14-2	
2,6-Dinitrotoluene	**<1.0**	ug/L	1.0	1	09/10/18 11:23	09/11/18 20:12	606-20-2	
Di-n-octylphthalate	**<1.0**	ug/L	1.0	1	09/10/18 11:23	09/11/18 20:12	117-84-0	
bis(2-Ethylhexyl)phthalate	**<1.0**	ug/L	1.0	1	09/10/18 11:23	09/11/18 20:12	117-81-7	
Fluoranthene	**<1.0**	ug/L	1.0	1	09/10/18 11:23	09/11/18 20:12	206-44-0	
Fluorene	**<1.0**	ug/L	1.0	1	09/10/18 11:23	09/11/18 20:12	86-73-7	
Hexachloro-1,3-butadiene	**<1.0**	ug/L	1.0	1	09/10/18 11:23	09/11/18 20:12	87-68-3	
Hexachlorobenzene	**<1.0**	ug/L	1.0	1	09/10/18 11:23	09/11/18 20:12	118-74-1	
Hexachlorocyclopentadiene	**<5.0**	ug/L	5.0	1	09/10/18 11:23	09/11/18 20:12	77-47-4	CL
Hexachloroethane	**<1.0**	ug/L	1.0	1	09/10/18 11:23	09/11/18 20:12	67-72-1	
Indeno(1,2,3-cd)pyrene	**<1.0**	ug/L	1.0	1	09/10/18 11:23	09/11/18 20:12	193-39-5	
Isophorone	**<1.0**	ug/L	1.0	1	09/10/18 11:23	09/11/18 20:12	78-59-1	
2-Methylnaphthalene	**<1.0**	ug/L	1.0	1	09/10/18 11:23	09/11/18 20:12	91-57-6	N2
2-Methylphenol(o-Cresol)	**<1.0**	ug/L	1.0	1	09/10/18 11:23	09/11/18 20:12	95-48-7	
3&4-Methylphenol(m&p Cresol)	**<1.0**	ug/L	1.0	1	09/10/18 11:23	09/11/18 20:12		
Naphthalene	**<1.0**	ug/L	1.0	1	09/10/18 11:23	09/11/18 20:12	91-20-3	
2-Nitroaniline	**<1.0**	ug/L	1.0	1	09/10/18 11:23	09/11/18 20:12	88-74-4	N2
3-Nitroaniline	**<1.0**	ug/L	1.0	1	09/10/18 11:23	09/11/18 20:12	99-09-2	N2
4-Nitroaniline	**<1.0**	ug/L	1.0	1	09/10/18 11:23	09/11/18 20:12	100-01-6	N2
Nitrobenzene	**<1.0**	ug/L	1.0	1	09/10/18 11:23	09/11/18 20:12	98-95-3	
2-Nitrophenol	**<1.0**	ug/L	1.0	1	09/10/18 11:23	09/11/18 20:12	88-75-5	
4-Nitrophenol	**<5.0**	ug/L	5.0	1	09/10/18 11:23	09/11/18 20:12	100-02-7	
N-Nitroso-di-n-propylamine	**<1.0**	ug/L	1.0	1	09/10/18 11:23	09/11/18 20:12	621-64-7	
N-Nitrosodiphenylamine	**<1.0**	ug/L	1.0	1	09/10/18 11:23	09/11/18 20:12	86-30-6	
2,2'-Oxybis(1-chloropropane)	**<1.0**	ug/L	1.0	1	09/10/18 11:23	09/11/18 20:12	108-60-1	
Pentachlorophenol	**<5.0**	ug/L	5.0	1	09/10/18 11:23	09/11/18 20:12	87-86-5	
Phenanthrene	**<1.0**	ug/L	1.0	1	09/10/18 11:23	09/11/18 20:12	85-01-8	
Phenol	**<1.0**	ug/L	1.0	1	09/10/18 11:23	09/11/18 20:12	108-95-2	
Pyrene	**<1.0**	ug/L	1.0	1	09/10/18 11:23	09/11/18 20:12	129-00-0	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1	09/10/18 11:23	09/11/18 20:12	120-82-1	
2,4,5-Trichlorophenol	**<1.0**	ug/L	1.0	1	09/10/18 11:23	09/11/18 20:12	95-95-4	
2,4,6-Trichlorophenol	**<1.0**	ug/L	1.0	1	09/10/18 11:23	09/11/18 20:12	88-06-2	
Surrogates								
2-Fluorophenol (S)	42	%	60-140	1	09/10/18 11:23	09/11/18 20:12	367-12-4	S0
Phenol-d5 (S)	28	%	10-110	1	09/10/18 11:23	09/11/18 20:12	4165-62-2	
Nitrobenzene-d5 (S)	72	%	35-114	1	09/10/18 11:23	09/11/18 20:12	4165-60-0	
2-Fluorobiphenyl (S)	76	%	60-140	1	09/10/18 11:23	09/11/18 20:12	321-60-8	
2,4,6-Tribromophenol (S)	84	%	10-123	1	09/10/18 11:23	09/11/18 20:12	118-79-6	
p-Terphenyl-d14 (S)	78	%	33-141	1	09/10/18 11:23	09/11/18 20:12	1718-51-0	

REPORT OF LABORATORY ANALYSIS

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(631)694-3040

ANALYTICAL RESULTS

Project: Pelham M1-9/7
Pace Project No.: 7064084

Sample: M1-24 HOUR FIELD COMPOSITE **Lab ID: 7064084005** Collected: 09/07/18 10:00 Received: 09/07/18 18:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625.1 MSSV	Analytical Method: EPA 625.1 Preparation Method: EPA 625.1 SF							
Surrogates								
1,2-Dichlorobenzene-d4 (S)	61	%	16-110	1	09/10/18 11:23	09/11/18 20:12	2199-69-1	
2-Chlorophenol-d4 (S)	66	%	33-110	1	09/10/18 11:23	09/11/18 20:12	93951-73-6	
Chromium, Hexavalent	Analytical Method: SM22 3500-Cr B							
Chromium, Hexavalent	**<0.020**	mg/L	0.020	1		09/07/18 20:51	18540-29-9	
5210B cBOD, 5 day	Analytical Method: SM22 5210B Preparation Method: SM22 5210B							
Carbonaceous BOD, 5 day	**<4.0**	mg/L	4.0	2	09/07/18 19:58	09/12/18 15:15		
Total Nitrogen Calculation	Analytical Method: SM22 4500-N							
Total Nitrogen	**42.7**	mg/L	0.10	1		09/21/18 14:08		
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	**42.5**	mg/L	1.0	10	09/21/18 06:15	09/21/18 13:44	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2							
Nitrate-Nitrite (as N)	**0.28**	mg/L	0.050	1		09/08/18 00:53	7727-37-9	
353.2 Nitrogen, NO2	Analytical Method: EPA 353.2							
Nitrite as N	**<0.050**	mg/L	0.050	1		09/07/18 21:50	14797-65-0	
4500 Chloride	Analytical Method: SM22 4500-Cl-E							
Chloride	**<2.0**	mg/L	2.0	1		09/11/18 13:11	16887-00-6	

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ANALYTICAL RESULTS

Project: Pelham M1-9/7
Pace Project No.: 7064084

Sample: M1-GRAB COMPOSITE **Lab ID: 7064084006** Collected: 09/07/18 10:00 Received: 09/07/18 18:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624.1 Volatile Organics	Analytical Method: EPA 624.1							
Acetone	**13.7**	ug/L	5.0	1		09/09/18 18:17	67-64-1	IH
Benzene	**<1.0**	ug/L	1.0	1		09/09/18 18:17	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		09/09/18 18:17	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		09/09/18 18:17	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		09/09/18 18:17	74-83-9	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		09/09/18 18:17	78-93-3	N2
Carbon disulfide	**<1.0**	ug/L	1.0	1		09/09/18 18:17	75-15-0	N2
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		09/09/18 18:17	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		09/09/18 18:17	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		09/09/18 18:17	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		09/09/18 18:17	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		09/09/18 18:17	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		09/09/18 18:17	124-48-1	
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		09/09/18 18:17	95-50-1	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		09/09/18 18:17	541-73-1	
1,4-Dichlorobenzene	**1.1**	ug/L	1.0	1		09/09/18 18:17	106-46-7	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		09/09/18 18:17	75-34-3	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		09/09/18 18:17	107-06-2	
1,2-Dichloroethene (Total)	**<1.0**	ug/L	1.0	1		09/09/18 18:17	540-59-0	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		09/09/18 18:17	75-35-4	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		09/09/18 18:17	78-87-5	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		09/09/18 18:17	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		09/09/18 18:17	10061-02-6	
Ethylbenzene	**<1.0**	ug/L	1.0	1		09/09/18 18:17	100-41-4	
2-Hexanone	**<5.0**	ug/L	5.0	1		09/09/18 18:17	591-78-6	N2
Methylene Chloride	**<1.0**	ug/L	1.0	1		09/09/18 18:17	75-09-2	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		09/09/18 18:17	108-10-1	N2
Methyl-tert-butyl ether	**<1.0**	ug/L	1.0	1		09/09/18 18:17	1634-04-4	
Styrene	**<1.0**	ug/L	1.0	1		09/09/18 18:17	100-42-5	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		09/09/18 18:17	79-34-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		09/09/18 18:17	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		09/09/18 18:17	108-88-3	
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		09/09/18 18:17	71-55-6	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		09/09/18 18:17	79-00-5	
Trichloroethene	**<1.0**	ug/L	1.0	1		09/09/18 18:17	79-01-6	
Vinyl chloride	**<1.0**	ug/L	1.0	1		09/09/18 18:17	75-01-4	
Xylene (Total)	**<1.0**	ug/L	1.0	1		09/09/18 18:17	1330-20-7	
m&p-Xylene	**<1.0**	ug/L	1.0	1		09/09/18 18:17	179601-23-1	
o-Xylene	**<1.0**	ug/L	1.0	1		09/09/18 18:17	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	104	%	79-124	1		09/09/18 18:17	460-00-4	
Toluene-d8 (S)	86	%	69-127	1		09/09/18 18:17	2037-26-5	
1,2-Dichloroethane-d4 (S)	104	%	68-153	1		09/09/18 18:17	17060-07-0	
SM 4500 CNE Cyanide, Total	Analytical Method: SM22 4500-CN-E Preparation Method: SM20/22 4500-CN-C							
Cyanide	**<10.0**	ug/L	10.0	1	09/19/18 08:08	09/19/18 13:59	57-12-5	

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ANALYTICAL RESULTS

Project: Pelham M1-9/7
Pace Project No.: 7064084

Sample: M1-GRAB COMPOSITE **Lab ID: 7064084006** Collected: 09/07/18 10:00 Received: 09/07/18 18:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500CNG Cyanide, Amenable	Analytical Method: SM22 4500-CN-E Preparation Method: SM22 4500-CN-G							
Amenable Cyanide	**<10.0**	ug/L	10.0	1	09/19/18 08:08	09/19/18 14:04	57-12-5	

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QUALITY CONTROL DATA

Project: Pelham M1-9/7
Pace Project No.: 7064084

QC Batch: 82522 Analysis Method: EPA 245.1
QC Batch Method: EPA 245.1 Analysis Description: 245.1 Mercury
Associated Lab Samples: 7064084005

METHOD BLANK: 379483 Matrix: Water
Associated Lab Samples: 7064084005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.20	0.20	09/12/18 08:59	

LABORATORY CONTROL SAMPLE: 379484

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	1	1.1	111	85-115	

MATRIX SPIKE SAMPLE: 379485

Parameter	Units	7064220002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	<0.20	1	1.1	106	70-130	

SAMPLE DUPLICATE: 379486

Parameter	Units	7064220002 Result	Dup Result	RPD	Qualifiers
Mercury	ug/L	<0.20	<0.20		

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QUALITY CONTROL DATA

Project: Pelham M1-9/7
Pace Project No.: 7064084

QC Batch: 82521
QC Batch Method: EPA 200.7
Analysis Method: EPA 200.7
Analysis Description: 200.7 Metals, Total
Associated Lab Samples: 7064084005

METHOD BLANK: 379478
Matrix: Water
Associated Lab Samples: 7064084005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cadmium	ug/L	<2.5	2.5	09/12/18 03:44	
Chromium	ug/L	<10.0	10.0	09/12/18 03:44	
Copper	ug/L	<25.0	25.0	09/12/18 03:44	
Lead	ug/L	<5.0	5.0	09/12/18 03:44	
Molybdenum	ug/L	<20.0	20.0	09/12/18 03:44	
Nickel	ug/L	<40.0	40.0	09/12/18 03:44	
Silver	ug/L	<10.0	10.0	09/12/18 03:44	
Zinc	ug/L	<20.0	20.0	09/12/18 03:44	

LABORATORY CONTROL SAMPLE: 379479

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cadmium	ug/L	50	50.3	101	85-115	
Chromium	ug/L	250	252	101	85-115	
Copper	ug/L	250	253	101	85-115	
Lead	ug/L	500	507	101	85-115	
Molybdenum	ug/L	500	506	101	85-115	
Nickel	ug/L	250	254	102	85-115	
Silver	ug/L	250	246	98	85-115	
Zinc	ug/L	1000	1000	100	85-115	

MATRIX SPIKE SAMPLE: 379481

Parameter	Units	7064220002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cadmium	ug/L	<2.5	50	48.8	98	70-130	
Chromium	ug/L	<10.0	250	246	98	70-130	
Copper	ug/L	90.0	250	340	100	70-130	
Lead	ug/L	8.6	500	495	97	70-130	
Molybdenum	ug/L	38.6	500	518	96	70-130	
Nickel	ug/L	<40.0	250	266	99	70-130	
Silver	ug/L	<10.0	250	248	99	70-130	
Zinc	ug/L	67.7	1000	1070	100	70-130	

SAMPLE DUPLICATE: 379480

Parameter	Units	7064220002 Result	Dup Result	RPD	Qualifiers
Cadmium	ug/L	<2.5	<2.5		

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QUALITY CONTROL DATA

Project: Pelham M1-9/7
Pace Project No.: 7064084

SAMPLE DUPLICATE: 379480

Parameter	Units	7064220002 Result	Dup Result	RPD	Qualifiers
Chromium	ug/L	<10.0	<10.0		
Copper	ug/L	90.0	91.2	1	
Lead	ug/L	8.6	8.9	4	
Molybdenum	ug/L	38.6	39.0	1	
Nickel	ug/L	<40.0	<40.0		
Silver	ug/L	<10.0	<10.0		
Zinc	ug/L	67.7	67.3	1	

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QUALITY CONTROL DATA

Project: Pelham M1-9/7
Pace Project No.: 7064084

QC Batch: 82205
QC Batch Method: EPA 624.1
Analysis Method: EPA 624.1
Analysis Description: 624.1 MSV
Associated Lab Samples: 7064084006

METHOD BLANK: 378315
Matrix: Water
Associated Lab Samples: 7064084006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	09/09/18 11:38	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	09/09/18 11:38	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	09/09/18 11:38	
1,1-Dichloroethane	ug/L	<1.0	1.0	09/09/18 11:38	
1,1-Dichloroethene	ug/L	<1.0	1.0	09/09/18 11:38	
1,2-Dichlorobenzene	ug/L	<1.0	1.0	09/09/18 11:38	
1,2-Dichloroethane	ug/L	<1.0	1.0	09/09/18 11:38	
1,2-Dichloroethene (Total)	ug/L	<1.0	1.0	09/09/18 11:38	
1,2-Dichloropropane	ug/L	<1.0	1.0	09/09/18 11:38	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	09/09/18 11:38	
1,4-Dichlorobenzene	ug/L	<1.0	1.0	09/09/18 11:38	
2-Butanone (MEK)	ug/L	<5.0	5.0	09/09/18 11:38	N2
2-Hexanone	ug/L	<5.0	5.0	09/09/18 11:38	N2
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	09/09/18 11:38	N2
Acetone	ug/L	<5.0	5.0	09/09/18 11:38	
Benzene	ug/L	<1.0	1.0	09/09/18 11:38	
Bromodichloromethane	ug/L	<1.0	1.0	09/09/18 11:38	
Bromoform	ug/L	<1.0	1.0	09/09/18 11:38	
Bromomethane	ug/L	<1.0	1.0	09/09/18 11:38	
Carbon disulfide	ug/L	<1.0	1.0	09/09/18 11:38	N2
Carbon tetrachloride	ug/L	<1.0	1.0	09/09/18 11:38	
Chlorobenzene	ug/L	<1.0	1.0	09/09/18 11:38	
Chloroethane	ug/L	<1.0	1.0	09/09/18 11:38	
Chloroform	ug/L	<1.0	1.0	09/09/18 11:38	
Chloromethane	ug/L	<1.0	1.0	09/09/18 11:38	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	09/09/18 11:38	
Dibromochloromethane	ug/L	<1.0	1.0	09/09/18 11:38	
Ethylbenzene	ug/L	<1.0	1.0	09/09/18 11:38	
m&p-Xylene	ug/L	<1.0	1.0	09/09/18 11:38	
Methyl-tert-butyl ether	ug/L	<1.0	1.0	09/09/18 11:38	
Methylene Chloride	ug/L	<1.0	1.0	09/09/18 11:38	
o-Xylene	ug/L	<1.0	1.0	09/09/18 11:38	
Styrene	ug/L	<1.0	1.0	09/09/18 11:38	
Tetrachloroethene	ug/L	<1.0	1.0	09/09/18 11:38	
Toluene	ug/L	<1.0	1.0	09/09/18 11:38	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	09/09/18 11:38	
Trichloroethene	ug/L	<1.0	1.0	09/09/18 11:38	
Vinyl chloride	ug/L	<1.0	1.0	09/09/18 11:38	
Xylene (Total)	ug/L	<1.0	1.0	09/09/18 11:38	
1,2-Dichloroethane-d4 (S)	%	104	68-153	09/09/18 11:38	
4-Bromofluorobenzene (S)	%	105	79-124	09/09/18 11:38	

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(631)694-3040

QUALITY CONTROL DATA

Project: Pelham M1-9/7
Pace Project No.: 7064084

METHOD BLANK: 378315 Matrix: Water
Associated Lab Samples: 7064084006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene-d8 (S)	%	86	69-127	09/09/18 11:38	

LABORATORY CONTROL SAMPLE: 378316

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	23.3	117	52-162	
1,1,2,2-Tetrachloroethane	ug/L	20	18.2	91	46-157	
1,1,2-Trichloroethane	ug/L	20	21.3	106	52-150	
1,1-Dichloroethane	ug/L	20	19.9	100	59-155	
1,1-Dichloroethene	ug/L	20	18.8	94	10-234	
1,2-Dichlorobenzene	ug/L	20	20.2	101	18-190	
1,2-Dichloroethane	ug/L	20	21.0	105	49-155	
1,2-Dichloroethene (Total)	ug/L	40	39.4	99	40-160	
1,2-Dichloropropane	ug/L	20	21.1	105	10-210	
1,3-Dichlorobenzene	ug/L	20	20.8	104	59-156	
1,4-Dichlorobenzene	ug/L	20	20.7	104	18-190	
2-Butanone (MEK)	ug/L	20	20.5	103	40-160	N2
2-Hexanone	ug/L	20	19.6	98	40-160	N2
4-Methyl-2-pentanone (MIBK)	ug/L	20	23.0	115	40-160	N2
Acetone	ug/L	20	26.1	130	40-160	IH
Benzene	ug/L	20	21.6	108	65-135	
Bromodichloromethane	ug/L	20	22.5	113	35-155	
Bromoform	ug/L	20	19.3	96	45-169	
Bromomethane	ug/L	20	16.5	83	10-242	
Carbon disulfide	ug/L	20	18.0	90	40-160	N2
Carbon tetrachloride	ug/L	20	21.9	109	70-140	
Chlorobenzene	ug/L	20	19.2	96	37-160	
Chloroethane	ug/L	20	18.0	90	14-230	
Chloroform	ug/L	20	20.9	104	51-138	
Chloromethane	ug/L	20	15.7	78	10-273	
cis-1,3-Dichloropropene	ug/L	20	23.0	115	10-227	
Dibromochloromethane	ug/L	20	19.6	98	53-149	
Ethylbenzene	ug/L	20	19.4	97	37-162	
m&p-Xylene	ug/L	40	40.6	102	40-160	
Methyl-tert-butyl ether	ug/L	20	21.5	107	40-160	
Methylene Chloride	ug/L	20	18.9	94	10-221	
o-Xylene	ug/L	20	19.9	100	40-160	
Styrene	ug/L	20	21.1	105	40-160	
Tetrachloroethene	ug/L	20	21.8	109	64-148	
Toluene	ug/L	20	22.6	113	47-150	
trans-1,3-Dichloropropene	ug/L	20	23.3	117	17-183	
Trichloroethene	ug/L	20	22.5	112	70-157	
Vinyl chloride	ug/L	20	16.2	81	10-251	
Xylene (Total)	ug/L	60	60.5	101	40-160	

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QUALITY CONTROL DATA

Project: Pelham M1-9/7
Pace Project No.: 7064084

LABORATORY CONTROL SAMPLE: 378316

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane-d4 (S)	%			106	68-153	
4-Bromofluorobenzene (S)	%			106	79-124	
Toluene-d8 (S)	%			86	69-127	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 378901 378902

Parameter	Units	7063801001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,1,1-Trichloroethane	ug/L	<1.0	20	20	21.1	20.3	106	101	70-130	4	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	20	20	17.3	17.4	86	87	40-160	1	
1,1,2-Trichloroethane	ug/L	<1.0	20	20	18.2	18.5	91	93	70-130	2	
1,1-Dichloroethane	ug/L	<1.0	20	20	19.4	18.6	97	93	70-130	4	
1,1-Dichloroethene	ug/L	<1.0	20	20	18.1	18.0	91	90	50-150	1	
1,2-Dichlorobenzene	ug/L	<1.0	20	20	13.6	13.6	68	68	62-135	0	
1,2-Dichloroethane	ug/L	<1.0	20	20	19.3	18.8	96	94	70-130	3	
1,2-Dichloroethene (Total)	ug/L	<1.0	40	40	38.4	36.9	96	92	40-160	4	
1,2-Dichloropropane	ug/L	<1.0	20	20	19.4	19.5	97	98	35-165	0	
1,3-Dichlorobenzene	ug/L	<1.0	20	20	12.9	12.8	65	64	70-130	1	M1
1,4-Dichlorobenzene	ug/L	<1.0	20	20	13.3	13.1	67	66	65-135	2	
2-Butanone (MEK)	ug/L	<5.0	20	20	18.5	17.6	86	81	40-160	5	N2
2-Hexanone	ug/L	<5.0	20	20	17.9	17.0	90	85	40-160	5	N2
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	20	20	21.2	21.6	106	108	40-160	2	N2
Acetone	ug/L	8.3	20	20	30.2	29.7	109	107	40-160	2	IH
Benzene	ug/L	<1.0	20	20	20.6	20.0	103	100	37-151	3	
Bromodichloromethane	ug/L	<1.0	20	20	20.2	19.7	101	98	65-135	3	
Bromoform	ug/L	<1.0	20	20	15.7	15.5	78	77	70-130	1	
Bromomethane	ug/L	<1.0	20	20	14.9	14.7	75	73	15-185	2	
Carbon disulfide	ug/L	<1.0	20	20	16.4	15.5	82	77	40-160	6	N2
Carbon tetrachloride	ug/L	<1.0	20	20	18.0	18.2	90	91	70-130	1	
Chlorobenzene	ug/L	<1.0	20	20	15.9	16.0	80	80	65-135	0	
Chloroethane	ug/L	<1.0	20	20	16.1	15.4	81	77	40-160	4	
Chloroform	ug/L	<1.0	20	20	20.5	19.5	103	98	70-135	5	
Chloromethane	ug/L	<1.0	20	20	13.2	12.0	66	60	10-205	9	
cis-1,3-Dichloropropene	ug/L	<1.0	20	20	20.6	20.7	103	104	25-175	1	
Dibromochloromethane	ug/L	<1.0	20	20	16.6	16.3	83	82	70-135	2	
Ethylbenzene	ug/L	<1.0	20	20	14.3	14.0	72	70	40-160	2	
m&p-Xylene	ug/L	<1.0	40	40	29.2	28.1	73	70	40-160	4	
Methyl-tert-butyl ether	ug/L	<1.0	20	20	19.4	18.5	97	93	40-160	5	
Methylene Chloride	ug/L	<1.0	20	20	17.0	17.1	85	86	40-160	1	
o-Xylene	ug/L	<1.0	20	20	15.2	15.2	76	76	40-160	0	
Styrene	ug/L	<1.0	20	20	16.1	16.0	81	80	40-160	1	
Tetrachloroethene	ug/L	<1.0	20	20	14.5	14.3	72	71	70-130	1	
Toluene	ug/L	<1.0	20	20	19.6	19.2	98	96	70-130	2	
trans-1,3-Dichloropropene	ug/L	<1.0	20	20	20.2	20.6	101	103	50-150	2	
Trichloroethene	ug/L	<1.0	20	20	19.8	19.8	99	99	65-135	0	

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QUALITY CONTROL DATA

Project: Pelham M1-9/7
Pace Project No.: 7064084

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 378901 378902

Parameter	Units	7063801001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Vinyl chloride	ug/L	<1.0	20	20	14.5	14.2	73	71	40-160	2	
Xylene (Total)	ug/L	<1.0	60	60	44.4	43.3	74	72	40-160	3	
1,2-Dichloroethane-d4 (S)	%						103	102	68-153		
4-Bromofluorobenzene (S)	%						104	106	79-124		
Toluene-d8 (S)	%						85	86	69-127		

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QUALITY CONTROL DATA

Project: Pelham M1-9/7
Pace Project No.: 7064084

QC Batch: 82814
QC Batch Method: EPA 608.3
Analysis Method: EPA 608.3
Analysis Description: 608.3 GCSV PCB
Associated Lab Samples: 7064084005

METHOD BLANK: 380869
Matrix: Water
Associated Lab Samples: 7064084005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	<0.065	0.065	09/14/18 09:58	
PCB-1221 (Aroclor 1221)	ug/L	<0.065	0.065	09/14/18 09:58	
PCB-1232 (Aroclor 1232)	ug/L	<0.065	0.065	09/14/18 09:58	
PCB-1242 (Aroclor 1242)	ug/L	<0.065	0.065	09/14/18 09:58	
PCB-1248 (Aroclor 1248)	ug/L	<0.065	0.065	09/14/18 09:58	
PCB-1254 (Aroclor 1254)	ug/L	<0.065	0.065	09/14/18 09:58	
PCB-1260 (Aroclor 1260)	ug/L	<0.065	0.065	09/14/18 09:58	
Decachlorobiphenyl (S)	%	83	10-149	09/14/18 09:58	
Tetrachloro-m-xylene (S)	%	47	10-149	09/14/18 09:58	

LABORATORY CONTROL SAMPLE: 380870

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	.5	0.38	77	42-147	
PCB-1260 (Aroclor 1260)	ug/L	.5	0.40	79	51-144	
Decachlorobiphenyl (S)	%			86	10-149	
Tetrachloro-m-xylene (S)	%			54	16-128	

MATRIX SPIKE SAMPLE: 380885

Parameter	Units	7063965001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	<0.065	.5	1.6	328	53-126	E,M1
PCB-1221 (Aroclor 1221)	ug/L	<0.065		<0.065			
PCB-1232 (Aroclor 1232)	ug/L	<0.065		<0.065			
PCB-1242 (Aroclor 1242)	ug/L	1.6		2.0			E
PCB-1248 (Aroclor 1248)	ug/L	<0.065		<0.065			
PCB-1254 (Aroclor 1254)	ug/L	<0.065		<0.065			
PCB-1260 (Aroclor 1260)	ug/L	<0.065	.5	0.50	101	51-144	CH
Decachlorobiphenyl (S)	%				82	10-149	
Tetrachloro-m-xylene (S)	%				60	10-149	

SAMPLE DUPLICATE: 380886

Parameter	Units	7063965002 Result	Dup Result	RPD	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	<0.065	<0.065		
PCB-1221 (Aroclor 1221)	ug/L	<0.065	<0.065		
PCB-1232 (Aroclor 1232)	ug/L	<0.065	<0.065		

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QUALITY CONTROL DATA

Project: Pelham M1-9/7
Pace Project No.: 7064084

SAMPLE DUPLICATE: 380886

Parameter	Units	7063965002 Result	Dup Result	RPD	Qualifiers
PCB-1242 (Aroclor 1242)	ug/L	<0.065	<0.065		
PCB-1248 (Aroclor 1248)	ug/L	<0.065	<0.065		
PCB-1254 (Aroclor 1254)	ug/L	<0.065	<0.065		
PCB-1260 (Aroclor 1260)	ug/L	<0.065	<0.065		
Decachlorobiphenyl (S)	%	84	75	12	
Tetrachloro-m-xylene (S)	%	59	51	13	

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QUALITY CONTROL DATA

Project: Pelham M1-9/7
Pace Project No.: 7064084

QC Batch: 82242
QC Batch Method: EPA 625.1 SF
Analysis Method: EPA 625.1
Analysis Description: 625.1 MSSV
Associated Lab Samples: 7064084005

METHOD BLANK: 378380
Matrix: Water
Associated Lab Samples: 7064084005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	<1.0	1.0	09/11/18 13:33	
2,2'-Oxybis(1-chloropropane)	ug/L	<1.0	1.0	09/11/18 13:33	
2,4,5-Trichlorophenol	ug/L	<1.0	1.0	09/11/18 13:33	
2,4,6-Trichlorophenol	ug/L	<1.0	1.0	09/11/18 13:33	
2,4-Dichlorophenol	ug/L	<1.0	1.0	09/11/18 13:33	
2,4-Dimethylphenol	ug/L	<5.0	5.0	09/11/18 13:33	
2,4-Dinitrophenol	ug/L	<5.0	5.0	09/11/18 13:33	
2,4-Dinitrotoluene	ug/L	<1.0	1.0	09/11/18 13:33	
2,6-Dinitrotoluene	ug/L	<1.0	1.0	09/11/18 13:33	
2-Chloronaphthalene	ug/L	<1.0	1.0	09/11/18 13:33	
2-Chlorophenol	ug/L	<1.0	1.0	09/11/18 13:33	
2-Methylnaphthalene	ug/L	<1.0	1.0	09/11/18 13:33	N2
2-Methylphenol(o-Cresol)	ug/L	<1.0	1.0	09/11/18 13:33	
2-Nitroaniline	ug/L	<1.0	1.0	09/11/18 13:33	N2
2-Nitrophenol	ug/L	<1.0	1.0	09/11/18 13:33	
3&4-Methylphenol(m&p Cresol)	ug/L	<1.0	1.0	09/11/18 13:33	
3,3'-Dichlorobenzidine	ug/L	<1.0	1.0	09/11/18 13:33	
3-Nitroaniline	ug/L	<1.0	1.0	09/11/18 13:33	N2
4,6-Dinitro-2-methylphenol	ug/L	<5.0	5.0	09/11/18 13:33	
4-Bromophenylphenyl ether	ug/L	<1.0	1.0	09/11/18 13:33	
4-Chloro-3-methylphenol	ug/L	<1.0	1.0	09/11/18 13:33	
4-Chloroaniline	ug/L	<1.0	1.0	09/11/18 13:33	N2
4-Chlorophenylphenyl ether	ug/L	<1.0	1.0	09/11/18 13:33	
4-Nitroaniline	ug/L	<1.0	1.0	09/11/18 13:33	N2
4-Nitrophenol	ug/L	<5.0	5.0	09/11/18 13:33	
Acenaphthene	ug/L	<1.0	1.0	09/11/18 13:33	
Acenaphthylene	ug/L	<1.0	1.0	09/11/18 13:33	
Anthracene	ug/L	<1.0	1.0	09/11/18 13:33	
Benzo(a)anthracene	ug/L	<1.0	1.0	09/11/18 13:33	
Benzo(a)pyrene	ug/L	<1.0	1.0	09/11/18 13:33	
Benzo(b)fluoranthene	ug/L	<1.0	1.0	09/11/18 13:33	
Benzo(g,h,i)perylene	ug/L	<1.0	1.0	09/11/18 13:33	
Benzo(k)fluoranthene	ug/L	<1.0	1.0	09/11/18 13:33	
bis(2-Chloroethoxy)methane	ug/L	<1.0	1.0	09/11/18 13:33	
bis(2-Chloroethyl) ether	ug/L	<1.0	1.0	09/11/18 13:33	
bis(2-Ethylhexyl)phthalate	ug/L	<1.0	1.0	09/11/18 13:33	
Butylbenzylphthalate	ug/L	<1.0	1.0	09/11/18 13:33	
Carbazole	ug/L	<1.0	1.0	09/11/18 13:33	
Chrysene	ug/L	<1.0	1.0	09/11/18 13:33	
Di-n-butylphthalate	ug/L	<1.0	1.0	09/11/18 13:33	
Di-n-octylphthalate	ug/L	<1.0	1.0	09/11/18 13:33	

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QUALITY CONTROL DATA

Project: Pelham M1-9/7
Pace Project No.: 7064084

METHOD BLANK: 378380 Matrix: Water
Associated Lab Samples: 7064084005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibenz(a,h)anthracene	ug/L	<1.0	1.0	09/11/18 13:33	
Diethylphthalate	ug/L	<1.0	1.0	09/11/18 13:33	
Dimethylphthalate	ug/L	<1.0	1.0	09/11/18 13:33	
Fluoranthene	ug/L	<1.0	1.0	09/11/18 13:33	
Fluorene	ug/L	<1.0	1.0	09/11/18 13:33	
Hexachloro-1,3-butadiene	ug/L	<1.0	1.0	09/11/18 13:33	
Hexachlorobenzene	ug/L	<1.0	1.0	09/11/18 13:33	
Hexachlorocyclopentadiene	ug/L	<5.0	5.0	09/11/18 13:33	CL
Hexachloroethane	ug/L	<1.0	1.0	09/11/18 13:33	
Indeno(1,2,3-cd)pyrene	ug/L	<1.0	1.0	09/11/18 13:33	
Isophorone	ug/L	<1.0	1.0	09/11/18 13:33	
N-Nitroso-di-n-propylamine	ug/L	<1.0	1.0	09/11/18 13:33	
N-Nitrosodiphenylamine	ug/L	<1.0	1.0	09/11/18 13:33	
Naphthalene	ug/L	<1.0	1.0	09/11/18 13:33	
Nitrobenzene	ug/L	<1.0	1.0	09/11/18 13:33	
Pentachlorophenol	ug/L	<5.0	5.0	09/11/18 13:33	
Phenanthrene	ug/L	<1.0	1.0	09/11/18 13:33	
Phenol	ug/L	<1.0	1.0	09/11/18 13:33	
Pyrene	ug/L	<1.0	1.0	09/11/18 13:33	
1,2-Dichlorobenzene-d4 (S)	%	55	16-110	09/11/18 13:33	
2,4,6-Tribromophenol (S)	%	72	10-123	09/11/18 13:33	
2-Chlorophenol-d4 (S)	%	62	33-110	09/11/18 13:33	
2-Fluorobiphenyl (S)	%	62	60-140	09/11/18 13:33	
2-Fluorophenol (S)	%	37	60-140	09/11/18 13:33	S0
Nitrobenzene-d5 (S)	%	75	35-114	09/11/18 13:33	
p-Terphenyl-d14 (S)	%	87	33-141	09/11/18 13:33	
Phenol-d5 (S)	%	24	10-110	09/11/18 13:33	

LABORATORY CONTROL SAMPLE: 378381

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	38.6	77	57-130	
2,2'-Oxybis(1-chloropropane)	ug/L	50	31.5	63	63-139	
2,4,5-Trichlorophenol	ug/L	50	48.3	97	41-121	
2,4,6-Trichlorophenol	ug/L	50	44.2	88	52-129	
2,4-Dichlorophenol	ug/L	50	41.8	84	53-122	
2,4-Dimethylphenol	ug/L	50	35.0	70	42-120	
2,4-Dinitrophenol	ug/L	50	41.6	83	10-173	
2,4-Dinitrotoluene	ug/L	50	49.2	98	48-127	
2,6-Dinitrotoluene	ug/L	50	48.1	96	68-137	
2-Chloronaphthalene	ug/L	50	40.7	81	65-120	
2-Chlorophenol	ug/L	50	35.5	71	36-120	
2-Methylnaphthalene	ug/L	50	39.2	78	25-98	N2
2-Methylphenol(o-Cresol)	ug/L	50	33.8	68	41-131	

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(631)694-3040

QUALITY CONTROL DATA

Project: Pelham M1-9/7
Pace Project No.: 7064084

LABORATORY CONTROL SAMPLE: 378381

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Nitroaniline	ug/L	50	39.0	78	55-115	N2
2-Nitrophenol	ug/L	50	43.1	86	45-167	
3&4-Methylphenol(m&p Cresol)	ug/L	50	30.5	61	43-119	
3,3'-Dichlorobenzidine	ug/L	50	46.5	93	8-213	
3-Nitroaniline	ug/L	50	48.4	97	51-123	N2
4,6-Dinitro-2-methylphenol	ug/L	50	49.6	99	53-130	
4-Bromophenylphenyl ether	ug/L	50	44.7	89	65-120	
4-Chloro-3-methylphenol	ug/L	50	45.6	91	41-128	
4-Chloroaniline	ug/L	50	37.2	74	55-102	N2
4-Chlorophenylphenyl ether	ug/L	50	44.5	89	38-145	
4-Nitroaniline	ug/L	50	47.2	94	63-116	N2
4-Nitrophenol	ug/L	50	19.9	40	13-129	
Acenaphthene	ug/L	50	41.6	83	60-132	
Acenaphthylene	ug/L	50	42.3	85	54-126	
Anthracene	ug/L	50	42.8	86	43-120	
Benzo(a)anthracene	ug/L	50	47.0	94	42-133	
Benzo(a)pyrene	ug/L	50	48.1	96	32-148	
Benzo(b)fluoranthene	ug/L	50	48.7	97	42-140	
Benzo(g,h,i)perylene	ug/L	50	51.2	102	10-195	
Benzo(k)fluoranthene	ug/L	50	40.2	80	25-146	
bis(2-Chloroethoxy)methane	ug/L	50	35.3	71	49-165	
bis(2-Chloroethyl) ether	ug/L	50	35.4	71	43-126	
bis(2-Ethylhexyl)phthalate	ug/L	50	48.3	97	29-137	
Butylbenzylphthalate	ug/L	50	47.5	95	10-140	
Carbazole	ug/L	50	49.5	99	49-116	
Chrysene	ug/L	50	45.2	90	44-140	
Di-n-butylphthalate	ug/L	50	46.3	93	8-120	
Di-n-octylphthalate	ug/L	50	49.6	99	19-132	
Dibenz(a,h)anthracene	ug/L	50	49.3	99	10-200	
Diethylphthalate	ug/L	50	48.1	96	10-120	
Dimethylphthalate	ug/L	50	46.0	92	10-120	
Fluoranthene	ug/L	50	48.6	97	43-121	
Fluorene	ug/L	50	45.9	92	70-120	
Hexachloro-1,3-butadiene	ug/L	50	39.5	79	38-120	
Hexachlorobenzene	ug/L	50	47.8	96	8-142	
Hexachlorocyclopentadiene	ug/L	50	27.2	54	13-119	CL
Hexachloroethane	ug/L	50	34.7	69	55-120	
Indeno(1,2,3-cd)pyrene	ug/L	50	50.3	101	10-151	
Isophorone	ug/L	50	41.4	83	47-180	
N-Nitroso-di-n-propylamine	ug/L	50	43.5	87	14-198	
N-Nitrosodiphenylamine	ug/L	50	45.2	90	27-135	
Naphthalene	ug/L	50	37.8	76	36-120	
Nitrobenzene	ug/L	50	38.3	77	54-158	
Pentachlorophenol	ug/L	50	37.3	75	38-152	
Phenanthrene	ug/L	50	46.7	93	65-120	
Phenol	ug/L	50	15.7	31	17-120	
Pyrene	ug/L	50	43.6	87	70-120	

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(631)694-3040

QUALITY CONTROL DATA

Project: Pelham M1-9/7
Pace Project No.: 7064084

LABORATORY CONTROL SAMPLE: 378381

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene-d4 (S)	%			64	16-110	
2,4,6-Tribromophenol (S)	%			92	10-123	
2-Chlorophenol-d4 (S)	%			69	33-110	
2-Fluorobiphenyl (S)	%			77	60-140	
2-Fluorophenol (S)	%			44	60-140	S0
Nitrobenzene-d5 (S)	%			72	35-114	
p-Terphenyl-d14 (S)	%			93	33-141	
Phenol-d5 (S)	%			25	10-110	

MATRIX SPIKE SAMPLE: 378885

Parameter	Units	7063985005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	<1.0	50	37.5	75	44-142	
2,2'-Oxybis(1-chloropropane)	ug/L	<1.0	50	29.8	60	36-166	
2,4,5-Trichlorophenol	ug/L	<1.0	50	47.3	95	41-121	
2,4,6-Trichlorophenol	ug/L	<1.0	50	41.5	83	37-144	
2,4-Dichlorophenol	ug/L	<1.0	50	40.9	82	39-135	
2,4-Dimethylphenol	ug/L	<5.0	50	32.2	64	32-120	
2,4-Dinitrophenol	ug/L	<5.0	50	45.1	90	10-191	
2,4-Dinitrotoluene	ug/L	<1.0	50	48.0	96	39-139	
2,6-Dinitrotoluene	ug/L	<1.0	50	45.7	91	50-158	
2-Chloronaphthalene	ug/L	<1.0	50	40.3	81	60-120	
2-Chlorophenol	ug/L	<1.0	50	32.7	65	22-134	
2-Methylnaphthalene	ug/L	<1.0	50	40.4	81	25-98	N2
2-Methylphenol(o-Cresol)	ug/L	<1.0	50	32.5	65	41-131	
2-Nitroaniline	ug/L	<1.0	50	34.0	68	55-115	N2
2-Nitrophenol	ug/L	<1.0	50	38.6	77	29-182	
3&4-Methylphenol(m&p Cresol)	ug/L	<1.0	50	28.6	57	43-119	
3,3'-Dichlorobenzidine	ug/L	<1.0	50	39.5	79	10-262	
3-Nitroaniline	ug/L	<1.0	50	43.7	87	51-123	N2
4,6-Dinitro-2-methylphenol	ug/L	<5.0	50	50.8	102	10-181	
4-Bromophenylphenyl ether	ug/L	<1.0	50	43.9	88	53-127	
4-Chloro-3-methylphenol	ug/L	<1.0	50	42.4	85	22-147	
4-Chloroaniline	ug/L	<1.0	50	35.0	70	55-102	N2
4-Chlorophenylphenyl ether	ug/L	<1.0	50	43.3	87	25-158	
4-Nitroaniline	ug/L	<1.0	50	45.6	91	63-116	N2
4-Nitrophenol	ug/L	<5.0	50	22.4	45	10-132	
Acenaphthene	ug/L	<1.0	50	40.8	82	47-145	
Acenaphthylene	ug/L	<1.0	50	41.3	83	33-145	
Anthracene	ug/L	<1.0	50	43.6	87	27-133	
Benzo(a)anthracene	ug/L	<1.0	50	44.2	88	33-143	
Benzo(a)pyrene	ug/L	<1.0	50	48.5	97	17-163	
Benzo(b)fluoranthene	ug/L	<1.0	50	48.1	96	24-159	
Benzo(g,h,i)perylene	ug/L	<1.0	50	46.5	93	10-219	
Benzo(k)fluoranthene	ug/L	<1.0	50	44.5	89	11-162	

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QUALITY CONTROL DATA

Project: Pelham M1-9/7
Pace Project No.: 7064084

MATRIX SPIKE SAMPLE: 378885

Parameter	Units	7063985005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
bis(2-Chloroethoxy)methane	ug/L	<1.0	50	33.3	67	33-184	
bis(2-Chloroethyl) ether	ug/L	<1.0	50	35.8	72	12-158	
bis(2-Ethylhexyl)phthalate	ug/L	<1.0	50	47.1	94	8-158	
Butylbenzylphthalate	ug/L	<1.0	50	45.3	91	10-152	
Carbazole	ug/L	<1.0	50	46.5	93	49-116	
Chrysene	ug/L	<1.0	50	46.1	92	17-168	
Di-n-butylphthalate	ug/L	<1.0	50	42.7	85	1-120	
Di-n-octylphthalate	ug/L	<1.0	50	48.4	97	4-146	
Dibenz(a,h)anthracene	ug/L	<1.0	50	48.2	96	10-227	
Diethylphthalate	ug/L	<1.0	50	48.0	96	10-120	
Dimethylphthalate	ug/L	<1.0	50	46.3	93	10-120	
Fluoranthene	ug/L	<1.0	50	44.7	89	26-137	
Fluorene	ug/L	<1.0	50	44.2	88	59-121	
Hexachloro-1,3-butadiene	ug/L	<1.0	50	36.8	74	24-120	
Hexachlorobenzene	ug/L	<1.0	50	43.5	87	10-152	
Hexachlorocyclopentadiene	ug/L	<5.0	50	28.1	56	13-119	CL
Hexachloroethane	ug/L	<1.0	50	31.1	62	40-120	
Indeno(1,2,3-cd)pyrene	ug/L	<1.0	50	47.5	95	10-171	
Isophorone	ug/L	<1.0	50	39.9	80	21-196	
N-Nitroso-di-n-propylamine	ug/L	<1.0	50	37.9	76	10-230	
N-Nitrosodiphenylamine	ug/L	<1.0	50	42.0	84	27-135	
Naphthalene	ug/L	<1.0	50	38.5	77	21-133	
Nitrobenzene	ug/L	<1.0	50	38.1	76	35-180	
Pentachlorophenol	ug/L	<5.0	50	36.9	74	14-176	
Phenanthrene	ug/L	<1.0	50	44.8	90	54-120	
Phenol	ug/L	<1.0	50	17.5	35	5-120	
Pyrene	ug/L	<1.0	50	46.4	93	52-120	
1,2-Dichlorobenzene-d4 (S)	%				59	16-110	
2,4,6-Tribromophenol (S)	%				85	10-123	
2-Chlorophenol-d4 (S)	%				64	33-110	
2-Fluorobiphenyl (S)	%				78	60-140	
2-Fluorophenol (S)	%				41	60-140	S0
Nitrobenzene-d5 (S)	%				74	35-114	
p-Terphenyl-d14 (S)	%				83	33-141	
Phenol-d5 (S)	%				29	10-110	

SAMPLE DUPLICATE: 378886

Parameter	Units	7063985007 Result	Dup Result	RPD	Qualifiers
1,2,4-Trichlorobenzene	ug/L	<1.0	<1.0		
2,2'-Oxybis(1-chloropropane)	ug/L	<1.0	<1.0		
2,4,5-Trichlorophenol	ug/L	<1.0	<1.0		
2,4,6-Trichlorophenol	ug/L	<1.0	<1.0		
2,4-Dichlorophenol	ug/L	<1.0	<1.0		
2,4-Dimethylphenol	ug/L	<5.0	<5.0		

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QUALITY CONTROL DATA

Project: Pelham M1-9/7
Pace Project No.: 7064084

SAMPLE DUPLICATE: 378886

Parameter	Units	7063985007 Result	Dup Result	RPD	Qualifiers
2,4-Dinitrophenol	ug/L	<5.0	<5.0		
2,4-Dinitrotoluene	ug/L	<1.0	<1.0		
2,6-Dinitrotoluene	ug/L	<1.0	<1.0		
2-Chloronaphthalene	ug/L	<1.0	<1.0		
2-Chlorophenol	ug/L	<1.0	<1.0		
2-Methylnaphthalene	ug/L	<1.0	<1.0		N2
2-Methylphenol(o-Cresol)	ug/L	<1.0	<1.0		
2-Nitroaniline	ug/L	<1.0	<1.0		N2
2-Nitrophenol	ug/L	<1.0	<1.0		
3&4-Methylphenol(m&p Cresol)	ug/L	<1.0	<1.0		
3,3'-Dichlorobenzidine	ug/L	<1.0	<1.0		
3-Nitroaniline	ug/L	<1.0	<1.0		N2
4,6-Dinitro-2-methylphenol	ug/L	<5.0	<5.0		
4-Bromophenylphenyl ether	ug/L	<1.0	<1.0		
4-Chloro-3-methylphenol	ug/L	<1.0	<1.0		
4-Chloroaniline	ug/L	<1.0	<1.0		N2
4-Chlorophenylphenyl ether	ug/L	<1.0	<1.0		
4-Nitroaniline	ug/L	<1.0	<1.0		N2
4-Nitrophenol	ug/L	<5.0	<5.0		
Acenaphthene	ug/L	<1.0	<1.0		
Acenaphthylene	ug/L	<1.0	<1.0		
Anthracene	ug/L	<1.0	<1.0		
Benzo(a)anthracene	ug/L	<1.0	<1.0		
Benzo(a)pyrene	ug/L	<1.0	<1.0		
Benzo(b)fluoranthene	ug/L	<1.0	<1.0		
Benzo(g,h,i)perylene	ug/L	<1.0	<1.0		
Benzo(k)fluoranthene	ug/L	<1.0	<1.0		
bis(2-Chloroethoxy)methane	ug/L	<1.0	<1.0		
bis(2-Chloroethyl) ether	ug/L	<1.0	<1.0		
bis(2-Ethylhexyl)phthalate	ug/L	<1.0	<1.0		
Butylbenzylphthalate	ug/L	<1.0	<1.0		
Carbazole	ug/L	<1.0	<1.0		
Chrysene	ug/L	<1.0	<1.0		
Di-n-butylphthalate	ug/L	<1.0	1.2		
Di-n-octylphthalate	ug/L	<1.0	<1.0		
Dibenz(a,h)anthracene	ug/L	<1.0	<1.0		
Diethylphthalate	ug/L	<1.0	<1.0		
Dimethylphthalate	ug/L	<1.0	<1.0		
Fluoranthene	ug/L	<1.0	<1.0		
Fluorene	ug/L	<1.0	<1.0		
Hexachloro-1,3-butadiene	ug/L	<1.0	<1.0		
Hexachlorobenzene	ug/L	<1.0	<1.0		
Hexachlorocyclopentadiene	ug/L	<5.0	<5.0		CL
Hexachloroethane	ug/L	<1.0	<1.0		
Indeno(1,2,3-cd)pyrene	ug/L	<1.0	<1.0		
Isophorone	ug/L	<1.0	<1.0		
N-Nitroso-di-n-propylamine	ug/L	<1.0	<1.0		

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QUALITY CONTROL DATA

Project: Pelham M1-9/7
Pace Project No.: 7064084

SAMPLE DUPLICATE: 378886

Parameter	Units	7063985007 Result	Dup Result	RPD	Qualifiers
N-Nitrosodiphenylamine	ug/L	<1.0	<1.0		
Naphthalene	ug/L	<1.0	<1.0		
Nitrobenzene	ug/L	<1.0	<1.0		
Pentachlorophenol	ug/L	<5.0	<5.0		
Phenanthrene	ug/L	<1.0	<1.0		
Phenol	ug/L	<1.0	<1.0		
Pyrene	ug/L	<1.0	<1.0		
1,2-Dichlorobenzene-d4 (S)	%	59	57	5	
2,4,6-Tribromophenol (S)	%	85	77	10	
2-Chlorophenol-d4 (S)	%	64	57	12	
2-Fluorobiphenyl (S)	%	72	68	6	
2-Fluorophenol (S)	%	43	30	35	S0
Nitrobenzene-d5 (S)	%	74	61	18	
p-Terphenyl-d14 (S)	%	96	88	10	
Phenol-d5 (S)	%	30	19	44	

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QUALITY CONTROL DATA

Project: Pelham M1-9/7
Pace Project No.: 7064084

QC Batch: 83253 Analysis Method: EPA 1664A
QC Batch Method: EPA 1664A Analysis Description: 1664 HEM, Oil and Grease
Associated Lab Samples: 7064084001, 7064084002, 7064084003, 7064084004

METHOD BLANK: 383124 Matrix: Water
Associated Lab Samples: 7064084001, 7064084002, 7064084003, 7064084004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	<5.0	5.0	09/17/18 16:06	

LABORATORY CONTROL SAMPLE & LCSD: 383125 383126

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Oil and Grease	mg/L	40	37.7	38.6	94	96	78-114	2	20	

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QUALITY CONTROL DATA

Project: Pelham M1-9/7
Pace Project No.: 7064084

QC Batch: 82916 Analysis Method: SM22 2540D
QC Batch Method: SM22 2540D Analysis Description: 2540D Total Suspended Solids
Associated Lab Samples: 7064084001, 7064084002, 7064084003, 7064084004

METHOD BLANK: 381479 Matrix: Water
Associated Lab Samples: 7064084001, 7064084002, 7064084003, 7064084004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	<1.0	1.0	09/13/18 18:39	

LABORATORY CONTROL SAMPLE: 381480

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	200	188	94	85-115	

SAMPLE DUPLICATE: 381481

Parameter	Units	7064561001 Result	Dup Result	RPD	Qualifiers
Total Suspended Solids	mg/L	210	226	7	D6

SAMPLE DUPLICATE: 381482

Parameter	Units	7064203002 Result	Dup Result	RPD	Qualifiers
Total Suspended Solids	mg/L	<10.0	<10.0		

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QUALITY CONTROL DATA

Project: Pelham M1-9/7
Pace Project No.: 7064084

QC Batch: 82175
QC Batch Method: SM22 3500-Cr B
Associated Lab Samples: 7064084005

Analysis Method: SM22 3500-Cr B
Analysis Description: Chromium, Hexavalent by 3500

METHOD BLANK: 378055 Matrix: Water
Associated Lab Samples: 7064084005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chromium, Hexavalent	mg/L	<0.020	0.020	09/07/18 20:49	

LABORATORY CONTROL SAMPLE: 378056

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	mg/L	.2	0.19	95	85-115	

MATRIX SPIKE SAMPLE: 378057

Parameter	Units	7063554018 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	mg/L	<0.020	.2	0.17	82	75-125	

SAMPLE DUPLICATE: 378058

Parameter	Units	7063554018 Result	Dup Result	RPD	Qualifiers
Chromium, Hexavalent	mg/L	<0.020	<0.020		

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QUALITY CONTROL DATA

Project: Pelham M1-9/7
Pace Project No.: 7064084

QC Batch: 82177 Analysis Method: SM22 4500-H+B
QC Batch Method: SM22 4500-H+B Analysis Description: 4500H+B pH
Associated Lab Samples: 7064084001, 7064084002, 7064084003, 7064084004

SAMPLE DUPLICATE: 378076

Parameter	Units	7064084001 Result	Dup Result	RPD	Qualifiers
pH	Std. Units	6.5	6.5	0	H3,H6
Temperature, Water (C)	deg C	22.3	22.3	0	H3,H6

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REPORT OF LABORATORY ANALYSIS

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575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: Pelham M1-9/7
Pace Project No.: 7064084

QC Batch: 82156
QC Batch Method: SM22 5210B
Analysis Method: SM22 5210B
Analysis Description: 5210B cBOD, 5 day
Associated Lab Samples: 7064084005

METHOD BLANK: 377808 Matrix: Water
Associated Lab Samples: 7064084005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Carbonaceous BOD, 5 day	mg/L	<2.0	2.0	09/12/18 12:18	

LABORATORY CONTROL SAMPLE: 377809

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbonaceous BOD, 5 day	mg/L	198	198	100	84.5-115.4	

SAMPLE DUPLICATE: 378095

Parameter	Units	7064075004 Result	Dup Result	RPD	Qualifiers
Carbonaceous BOD, 5 day	mg/L	172	181	5	

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QUALITY CONTROL DATA

Project: Pelham M1-9/7
Pace Project No.: 7064084

QC Batch: 83917
QC Batch Method: EPA 351.2
Analysis Method: EPA 351.2
Analysis Description: 351.2 TKN
Associated Lab Samples: 7064084005

METHOD BLANK: 386162 Matrix: Water
Associated Lab Samples: 7064084005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	<0.10	0.10	09/21/18 13:14	

LABORATORY CONTROL SAMPLE: 386163

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	4	4.0	100	90-110	

MATRIX SPIKE SAMPLE: 386164

Parameter	Units	7064319002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	1.6	4	5.5	96	90-110	

MATRIX SPIKE SAMPLE: 386166

Parameter	Units	7064215001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	1.5	4	4.8	83	90-110	M1

SAMPLE DUPLICATE: 386165

Parameter	Units	7064319002 Result	Dup Result	RPD	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	1.6	1.6	1	

SAMPLE DUPLICATE: 386167

Parameter	Units	7064215001 Result	Dup Result	RPD	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	1.5	1.5	2	

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QUALITY CONTROL DATA

Project: Pelham M1-9/7
Pace Project No.: 7064084

QC Batch: 82174
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrite, Unpres.
Associated Lab Samples: 7064084005

METHOD BLANK: 378046 Matrix: Water
Associated Lab Samples: 7064084005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrite as N	mg/L	<0.050	0.050	09/07/18 21:42	

LABORATORY CONTROL SAMPLE: 378047

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	1	1.1	106	90-110	

MATRIX SPIKE SAMPLE: 378048

Parameter	Units	7063945012 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	.5	0.54	108	90-110	

MATRIX SPIKE SAMPLE: 378050

Parameter	Units	7063945011 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrite as N	mg/L	<0.050	.5	0.54	107	90-110	

SAMPLE DUPLICATE: 378049

Parameter	Units	7063945012 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

SAMPLE DUPLICATE: 378051

Parameter	Units	7063945011 Result	Dup Result	RPD	Qualifiers
Nitrite as N	mg/L	<0.050	<0.050		

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QUALITY CONTROL DATA

Project: Pelham M1-9/7
Pace Project No.: 7064084

QC Batch: 82182
QC Batch Method: EPA 353.2
Analysis Method: EPA 353.2
Analysis Description: 353.2 Nitrate + Nitrite, preserved
Associated Lab Samples: 7064084005

METHOD BLANK: 378118 Matrix: Water
Associated Lab Samples: 7064084005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	0.050	09/08/18 00:16	

LABORATORY CONTROL SAMPLE: 378119

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	1	1.0	102	90-110	

MATRIX SPIKE SAMPLE: 378120

Parameter	Units	7063945002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	2.2	5	7.4	104	90-110	

MATRIX SPIKE SAMPLE: 378122

Parameter	Units	7063945010 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	.5	0.49	97	90-110	

SAMPLE DUPLICATE: 378121

Parameter	Units	7063945002 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	2.2	2.3	4	

SAMPLE DUPLICATE: 378123

Parameter	Units	7063945010 Result	Dup Result	RPD	Qualifiers
Nitrate-Nitrite (as N)	mg/L	<0.050	<0.050		

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Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: Pelham M1-9/7
Pace Project No.: 7064084

QC Batch: 83527 Analysis Method: SM22 4500-CN-E
QC Batch Method: SM20/22 4500-CN-C Analysis Description: 4500 CNE Cyanide, Total
Associated Lab Samples: 7064084006

METHOD BLANK: 384586 Matrix: Water
Associated Lab Samples: 7064084006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	ug/L	<10.0	10.0	09/19/18 13:23	

LABORATORY CONTROL SAMPLE: 384587

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	ug/L	75	65.5	87	85-115	

MATRIX SPIKE SAMPLE: 384588

Parameter	Units	7064477001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cyanide	ug/L	<0.010 mg/L	100	113	111	75-125	

SAMPLE DUPLICATE: 384589

Parameter	Units	7064477001 Result	Dup Result	RPD	Qualifiers
Cyanide	ug/L	<0.010 mg/L	<10.0		

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Melville, NY 11747
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QUALITY CONTROL DATA

Project: Pelham M1-9/7
Pace Project No.: 7064084

QC Batch: 82457 Analysis Method: SM22 4500-Cl-E
QC Batch Method: SM22 4500-Cl-E Analysis Description: 4500 Chloride
Associated Lab Samples: 7064084005

METHOD BLANK: 379185 Matrix: Water
Associated Lab Samples: 7064084005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<2.0	2.0	09/11/18 12:58	

LABORATORY CONTROL SAMPLE: 379186

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.3	101	90-110	

MATRIX SPIKE SAMPLE: 379187

Parameter	Units	7063904002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	8.1	25	34.3	105	80-120	

SAMPLE DUPLICATE: 379188

Parameter	Units	7063904002 Result	Dup Result	RPD	Qualifiers
Chloride	mg/L	8.1	8.2	1	

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QUALITY CONTROL DATA

Project: Pelham M1-9/7
Pace Project No.: 7064084

QC Batch: 83528
QC Batch Method: SM22 4500-CN-G
Analysis Method: SM22 4500-CN-E
Analysis Description: 4500CNG Cyanide, Amenable
Associated Lab Samples: 7064084006

METHOD BLANK: 384590
Matrix: Water
Associated Lab Samples: 7064084006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Amenable Cyanide	ug/L	<10.0	10.0	09/19/18 14:02	

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Melville, NY 11747
(631)694-3040

QUALIFIERS

Project: Pelham M1-9/7
Pace Project No.: 7064084

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
D6	The precision between the sample and sample duplicate exceeded laboratory control limits.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
H3	Sample was received or analysis requested beyond the recognized method holding time.
H6	Analysis initiated outside of the 15 minute EPA recommended holding time.
IH	This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
N2	The lab does not hold NELAC/TNI accreditation for this parameter.
S0	Surrogate recovery outside laboratory control limits.

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Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Pelham M1-9/7
Pace Project No.: 7064084

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
7064084005	**M1-24 HOUR FIELD COMPOSITE**	EPA 608.3	82814	EPA 608.3	82917
7064084005	**M1-24 HOUR FIELD COMPOSITE**	EPA 200.7	82521	EPA 200.7	82524
7064084005	**M1-24 HOUR FIELD COMPOSITE**	EPA 245.1	82522	EPA 245.1	82525
7064084005	**M1-24 HOUR FIELD COMPOSITE**	EPA 625.1 SF	82242	EPA 625.1	82339
7064084006	**M1-GRAB COMPOSITE**	EPA 624.1	82205		
7064084001	**M1-7:00-GRAB #1**	EPA 1664A	83253		
7064084002	**M1-8:00-GRAB #2**	EPA 1664A	83253		
7064084003	**M1-9:00-GRAB #3**	EPA 1664A	83253		
7064084004	**M1-10:00-GRAB #4**	EPA 1664A	83253		
7064084001	**M1-7:00-GRAB #1**	SM22 2540D	82916		
7064084002	**M1-8:00-GRAB #2**	SM22 2540D	82916		
7064084003	**M1-9:00-GRAB #3**	SM22 2540D	82916		
7064084004	**M1-10:00-GRAB #4**	SM22 2540D	82916		
7064084005	**M1-24 HOUR FIELD COMPOSITE**	SM22 3500-Cr B	82175		
7064084001	**M1-7:00-GRAB #1**	SM22 4500-H+B	82177		
7064084002	**M1-8:00-GRAB #2**	SM22 4500-H+B	82177		
7064084003	**M1-9:00-GRAB #3**	SM22 4500-H+B	82177		
7064084004	**M1-10:00-GRAB #4**	SM22 4500-H+B	82177		
7064084005	**M1-24 HOUR FIELD COMPOSITE**	SM22 5210B	82156	SM22 5210B	82834
7064084005	**M1-24 HOUR FIELD COMPOSITE**	SM22 4500-N	84025		
7064084005	**M1-24 HOUR FIELD COMPOSITE**	EPA 351.2	83917	EPA 351.2	83929
7064084005	**M1-24 HOUR FIELD COMPOSITE**	EPA 353.2	82182		
7064084005	**M1-24 HOUR FIELD COMPOSITE**	EPA 353.2	82174		
7064084006	**M1-GRAB COMPOSITE**	SM20/22 4500-CN-C	83527	SM22 4500-CN-E	83539
7064084005	**M1-24 HOUR FIELD COMPOSITE**	SM22 4500-Cl-E	82457		
7064084006	**M1-GRAB COMPOSITE**	SM22 4500-CN-G	83528	SM22 4500-CN-E	83540

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Pace Analytical
575 Broad Hollow Road
Melville, NY 11747

CHAIN OF CUSTODY RECORD

PELHAM BAY LANDFILL

WO#: 7064084

7064084

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: Andre Dziegelewski	
Source: **Pelham Bay Landfill**	
Job No.:	

Laboratory Use Only

Samples were:

1. Shipped____ or Hand Delivered____ Airbill#_____
2. Ambient or Chilled, **Temperature** _____
3. Received in good condition Yes or No
4. Properly preserved Yes or No
- Discrepancies between labels and COC? Yes or No

MATRIX (Water, Soil, etc.)	COLLECTED DATE	COLLECTED TIME	SAMPLE IDENTIFICATION	Total Number of Containers: 27	VOCs (Grabs composited at Lab) 40 mL VIALS	Cyanide (Grabs composited at Lab) 60 mL Plastic [NaOH]	TSS, pH 500 mL Plastic	Oil & Grease 1 Liter Amber Glass [HCl]	Non Metals 1 Liter Plastic	Metals 250 mL Plastic [HNO_3]	Total N, TKN 250 mL Plastic [H_2SO_4]	SVOC (625) and PCB (608) 1 Liter Amber Glass	Field Ph	Lab. ID #	REMARKS
Water	9/7/18	7:00	M1 - 7:00 - Grab #1	5	2	1	1	1							
Water	9/7/18	8:00	M1 - 8:00 - Grab #2	5	2	1	1	1							
Water	9/7/18	9:00	M1 - 9:00 - Grab #3	5	2	1	1	1							
Water	9/7/18	10:00	M1 - 10:00 - Grab #4	5	2	1	1	1							
Start:	9/6/18	11:00	M1 - 24 Hour Field Composite												
End:	9/7/18	10:00		7					1	1	1	4			

Relinquished by: (Signature)	Date: 9/7/18	SEAL INTACT? YES NO NA	Received by: (Signature)		Relinquished by: (Signature)	Date: 9/7/18	SEAL INTACT? YES NO NA	Received by: (Signature)
Representing: STRATIS	Time: 1130		Representing:	1130	Representing:	Time: 1830		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:

Pace Analytical

Sample Condition Upon Receipt

WO#: 7064084
PM: JSA Due Date: 09/24/18
CLIENT: STRATIS

Client Name: STRATIS

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☑ Yes ☐ No Seals intact: ☑ Yes ☐ No

Temperature Blank Present: ☐ Yes ☐ No

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ Ziploc ☐ None ☐ Other

Type of Ice: (Wet) Blue None

Thermometer Used: TH09 Correction Factor: 0.0

☐ Samples on ice, cooling process has begun

Cooler Temperature (°C): 2.4 Cooler Temperature Corrected (°C): 2.4

Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☐ N/A, water sample) Date and Initials of person examining contents: TD 9/7/18

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ YES ☐ NO

Did samples orignate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	☑Yes	☐No		1.
Chain of Custody Filled Out:	☑Yes	☐No		2.
Chain of Custody Relinquished:	☑Yes	☐No		3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☑Yes	☐No		5.
Short Hold Time Analysis (<72hr):	☑Yes	☐No		6.
Rush Turn Around Time Requested:	☐Yes	☑No		7.
Sufficient Volume: (Triple volume provided for MS/MSD	☑Yes	☐No		8.
Correct Containers Used:	☑Yes	☐No		9.
-Pace Containers Used:	☑Yes	☐No		
Containers Intact:	☑Yes	☐No		10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☑Yes	☐No		12.
-Includes date/time/ID/Analysis Matrix SL WT OIL				
All containers needing preservation have been checked.	☑Yes	☐No	☐N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot # HC849161				Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NAOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	☑Yes	☐No	☐N/A	Initial when completed: / Lot # of added preservative: / Date/Time preservative added:
Samples checked for dechlorination:	☐Yes	☐No	☑N/A	14.
KI starch test strips Lot #				Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #				
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A	15.
Trip Blank Present:	☐Yes	☑No	☐N/A	16.
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A	
Pace Trip Blank Lot # (if applicable):				

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

* PM (Project Manager) review is documented electronically in LIMS.

F: Landfill Gas System Inspections

FORM LFG-1
WEEKLY (TWICE WEEKLY) INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PELHAM BAY LANDFILL

	Date / Time	1/2/18		1/9/18	
	Technician	KMO		AMO	
1.	**OPERATING BLOWER**	**No. 1**	**No. 2**	**No. 1**	**No. 2**
A.	Noise or Vibration	No	Yes	No	Yes
B.	Measureable or Odoriferous Gas Leaks	No	Yes	No	Yes
C.	Upstream Vacuum (Inches WC)	15		14	
D.	Inlet Temperature (°F)	321		36	
E.	Discharge Pressure (In. WC)	2.5		2.0	
F.	Discharge Temperature (°F)	68		72	
2.	**BLOWER CONTROL PANEL**	**Blower No. 1**	**Blower No. 2**	**Blower No. 1**	**Blower No. 2**
A.	Disconnect Switch	ON / OFF	ON / OFF	ON / OFF	ON / OFF
B.	Hour Meter	94294.3	25136.8	94294.3	
C.	Blower Running Light	ON / OFF	ON / OFF	ON / OFF	ON / OFF
D.	Blower Switch	Hand / Off / Auto	Hand / Off / Auto	Hand / Off / Auto	Hand / Off / Auto
E.	Blower 1 or 2 Current Alarm	ON	OFF	ON	OFF
F.	High Motor Current Alarm	ON	OFF	ON	OFF
G.	Flow Meter (CFM), Min & Max	1000	100 &1300	1050	100 &1300
H.	Reset Alarm				
3.	**FLARE CONTROL PANEL**				
A.	Panel Power Switch	ON	OFF	ON	OFF
B.	Panel Power Light	ON	OFF	ON	OFF
C.	Start-Up Sequence Switch	Manual	Auto	Manual	Auto
D.	Local Unit Control Switch	Stop	Start / Run	Stop	Start / Run
E.	Unit Stop				
F.	Security Light	ON	OFF	ON	OFF
G.	Purge Start				
H.	Low Purge Air Flow, Red Light	ON	OFF	ON	OFF
I.	Purging, Blue Light	ON	OFF	ON	OFF
J.	Purge Complete, Amber Light	ON	OFF	ON	OFF
K.	Ignition Start				
L.	Pilot Gas On, Green Light	ON	OFF	ON	OFF
M.	Flame Proved, Green Light	ON	OFF	ON	OFF
N.	Waste Inlet Valve	Close / Open / Auto		Close / Open / Auto	
O.	Waste Gas On, Green Light	ON	OFF	ON	OFF
P.	Flare Reset				
Q.	Waste Gas Blower Failure, Red Light	ON	OFF	ON	OFF
R.	High Flare Temperature, Red Light	ON	OFF	ON	OFF
S.	Flare Failure, Red Light	ON	OFF	ON	OFF
4.	**FLARE**				
A.	Flame Condition	GOOD	N/S	GOOD	N/S
B.	Abnormal Burner Hotspots	YES	NO	YES	NO
C.	Unusual Sounds or Odors	YES	NO	YES	NO
D.	Damper Motor Running	YES	NO	YES	NO
E.	Manual Damper Position	90% CLOSED		90% CLOSED	
5.	**PIPING**				
A.	General Condition	GOOD	N/S	GOOD	N/S
B.	Propane Tank Press. (PSIG)	55/75		55/80	
C.	Inlet Valve Position	OPE		OPE	
D.	LFG Flowrate (CFM)	1202		1190	
E.	Gauges Operational?	YES	NO	YES	NO
F.	Nitrogen Pressure (PSIG)	80/100		85/1500	
6.	**SITE CONDITION**				
	Vandalism, Cleanliness	GOOD	N/S	GOOD	N/S

FORM LFG-1
WEEKLY (TWICE WEEKLY) INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PELHAM BAY LANDFILL

	Date / Time	1/8/18		1/11/18	
	Technician	AMD		AMD	
1.	**OPERATING BLOWER**	**No. 1**	**No. 2**	**No. 1**	**No. 2**
A.	Noise or Vibration	No	Yes	No	Yes
B.	Measureable or Odoriferous Gas Leaks	No	Yes	No	Yes
C.	Upstream Vacuum (Inches WC)	15		16	
D.	Inlet Temperature (°F)	46		48	
E.	Discharge Pressure (In. WC)	25		25	
F.	Discharge Temperature (°F)	74		76	
2.	**BLOWER CONTROL PANEL**	**Blower No. 1**	**Blower No. 2**	**Blower No. 1**	**Blower No. 2**
A.	Disconnect Switch	ON OFF	ON OFF	ON OFF	ON OFF
B.	Hour Meter	94943	30035.2	94294.3	34261
C.	Blower Running Light	ON OFF	ON OFF	ON OFF	ON OFF
D.	Blower Switch	Hand Off Auto	Hand Off Auto	Hand Off Auto	Hand Off Auto
E.	Blower 1 or 2 Current Alarm	ON	OFF	ON	OFF
F.	High Motor Current Alarm	ON	OFF	ON	OFF
G.	Flow Meter (CFM), Min & Max	1050	100 &1300	1000	100 &1300
H.	Reset Alarm				
3.	**FLARE CONTROL PANEL**				
A.	Panel Power Switch	ON	OFF	ON	OFF
B.	Panel Power Light	ON	OFF	ON	OFF
C.	Start-Up Sequence Switch	Manual	Auto	Manual	Auto
D.	Local Unit Control Switch	Stop	Start / Run	Stop	Start / Run
E.	Unit Stop				
F.	Security Light	ON	OFF	ON	OFF
G.	Purge Start				
H.	Low Purge Air Flow, Red Light	ON	OFF	ON	OFF
I.	Purging, Blue Light	ON	OFF	ON	OFF
J.	Purge Complete, Amber Light	ON	OFF	ON	OFF
K.	Ignition Start				
L.	Pilot Gas On, Green Light	ON	OFF	ON	OFF
M.	Flame Proved, Green Light	ON	OFF	ON	OFF
N.	Waste Inlet Valve	Close Open Auto		Close Open Auto	
O.	Waste Gas On, Green Light	ON	OFF	ON	OFF
P.	Flare Reset				
Q.	Waste Gas Blower Failure, Red Light	ON	OFF	ON	OFF
R.	High Flare Temperature, Red Light	ON	OFF	ON	OFF
S.	Flare Failure, Red Light	ON	OFF	ON	OFF
4.	**FLARE**				
A.	Flame Condition	GOOD	N/S	GOOD	N/S
B.	Abnormal Burner Hotspots	YES	NO	YES	NO
C.	Unusual Sounds or Odors	YES	NO	YES	NO
D.	Damper Motor Running	YES	NO	YES	NO
E.	Manual Damper Position	20% (10ST)		20% (10ST)	
5.	**PIPING**				
A.	General Condition	GOOD	N/S	GOOD	N/S
B.	Propane Tank Press. (PSIG)	55-75		50-70	
C.	Inlet Valve Position	OPEN		OPEN	
D.	LFG Flowrate (CFM)	1140		1203	
E.	Gauges Operational?	YES	NO	YES	NO
F.	Nitrogen Pressure (PSIG)	50/50		110/100	
6.	**SITE CONDITION**				
	Vandalism, Cleanliness	GOOD	N/S	GOOD	N/S

FORM LFG-1
WEEKLY (TWICE WEEKLY) INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PELHAM BAY LANDFILL

	Date / Time	1/16/18		1/18/18	
	Technician	AMD		AMD	
1.	**OPERATING BLOWER**	**No. 1**	**No. 2**	**No. 1**	**No. 2**
A.	Noise or Vibration	No	Yes	No	Yes
B.	Measureable or Odoriferous Gas Leaks	No	Yes	No	Yes
C.	Upstream Vacuum (Inches WC)	14		15	
D.	Inlet Temperature (°F)	30		32	
E.	Discharge Pressure (In. WC)	2.5		2-5	
F.	Discharge Temperature (°F)	78		76	
2.	**BLOWER CONTROL PANEL**	**Blower No. 1**	**Blower No. 2**	**Blower No. 1**	**Blower No. 2**
A.	Disconnect Switch	ON / OFF	ON / OFF	ON / OFF	ON / OFF
B.	Hour Meter	94243	32439.6	94294.3	33377.0
C.	Blower Running Light	ON / OFF	ON / OFF	ON / OFF	ON / OFF
D.	Blower Switch	Hand / Off / Auto	Hand / Off / Auto	Hand / Off / Auto	Hand / Off / Auto
E.	Blower 1 or 2 Current Alarm	ON	OFF	ON	OFF
F.	High Motor Current Alarm	ON	OFF	ON	OFF
G.	Flow Meter (CFM), Min & Max	1050	100 &1300	1000	100 &1300
H.	Reset Alarm				
3.	**FLARE CONTROL PANEL**				
A.	Panel Power Switch	ON	OFF	ON	OFF
B.	Panel Power Light	ON	OFF	ON	OFF
C.	Start-Up Sequence Switch	Manual	Auto	Manual	Auto
D.	Local Unit Control Switch	Stop	Start / Run	Stop	Start / Run
E.	Unit Stop				
F.	Security Light	ON	OFF	ON	OFF
G.	Purge Start				
H.	Low Purge Air Flow, Red Light	ON	OFF	ON	OFF
I.	Purging, Blue Light	ON	OFF	ON	OFF
J.	Purge Complete, Amber Light	ON	OFF	ON	OFF
K.	Ignition Start				
L.	Pilot Gas On, Green Light	ON	OFF	ON	OFF
M.	Flame Proved, Green Light	ON	OFF	ON	OFF
N.	Waste Inlet Valve	Close / Open / Auto		Close / Open / Auto	
O.	Waste Gas On, Green Light	ON	OFF	ON	OFF
P.	Flare Reset				
Q.	Waste Gas Blower Failure, Red Light	ON	OFF	ON	OFF
R.	High Flare Temperature, Red Light	ON	OFF	ON	OFF
S.	Flare Failure, Red Light	ON	OFF	ON	OFF
4.	**FLARE**				
A.	Flame Condition	GOOD	N/S	GOOD	N/S
B.	Abnormal Burner Hotspots	YES	NO	YES	NO
C.	Unusual Sounds or Odors	YES	NO	YES	NO
D.	Damper Motor Running	YES	NO	YES	NO
E.	Manual Damper Position	90% CLOSED		90% CLOSED	
5.	**PIPING**				
A.	General Condition	GOOD	N/S	GOOD	N/S
B.	Propane Tank Press. (PSIG)	50/70		55/75	
C.	Inlet Valve Position	OPEN		OPEN	
D.	LFG Flowrate (CFM)	1204		1196	
E.	Gauges Operational?	YES	NO	YES	NO
F.	Nitrogen Pressure (PSIG)	80/200		70/000	
6.	**SITE CONDITION**				
	Vandalism, Cleanliness	GOOD	N/S	GOOD	N/S

FORM LFG-1
WEEKLY (TWICE WEEKLY) INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PELHAM BAY LANDFILL

	Date / Time	1/22/18		1/25/18	
	Technician	AWD		AWD	
1.	**OPERATING BLOWER**	**No. 1**	**No. 2**	**No. 1**	**No. 2**
A.	Noise or Vibration	No	Yes	No	Yes
B.	Measureable or Odoriferous Gas Leaks	No	Yes	No	Yes
C.	Upstream Vacuum (Inches WC)	15		16	
D.	Inlet Temperature (°F)	32		30	
E.	Discharge Pressure (In. WC)	2.5		2.5	
F.	Discharge Temperature (°F)	80		76	
2.	**BLOWER CONTROL PANEL**	**Blower No. 1**	**Blower No. 2**	**Blower No. 1**	**Blower No. 2**
A.	Disconnect Switch	ON / OFF	ON / OFF	ON / OFF	ON / OFF
B.	Hour Meter	94555.2	34083.6	96001.3	34083.6
C.	Blower Running Light	ON / OFF	ON / OFF	ON / OFF	ON / OFF
D.	Blower Switch	Hand / Off / Auto	Hand / Off / Auto	Hand / Off / Auto	Hand / Off / Auto
E.	Blower 1 or 2 Current Alarm	ON	OFF	ON	OFF
F.	High Motor Current Alarm	ON	OFF	ON	OFF
G.	Flow Meter (CFM), Min & Max	1050	*100 &1300*	1000	*100 &1300*
H.	Reset Alarm				
3.	**FLARE CONTROL PANEL**				
A.	Panel Power Switch	ON	OFF	ON	OFF
B.	Panel Power Light	ON	OFF	ON	OFF
C.	Start-Up Sequence Switch	Manual	Auto	Manual	Auto
D.	Local Unit Control Switch	Stop	Start / Run	Stop	Start / Run
E.	Unit Stop				
F.	Security Light	ON	OFF	ON	OFF
G.	Purge Start				
H.	Low Purge Air Flow, Red Light	ON	OFF	ON	OFF
I.	Purging, Blue Light	ON	OFF	ON	OFF
J.	Purge Complete, Amber Light	ON	OFF	ON	OFF
K.	Ignition Start				
L.	Pilot Gas On, Green Light	ON	OFF	ON	OFF
M.	Flame Proved, Green Light	ON	OFF	ON	OFF
N.	Waste Inlet Valve	Close / Open / Auto		Close / Open / Auto	
O.	Waste Gas On, Green Light	ON	OFF	ON	OFF
P.	Flare Reset				
Q.	Waste Gas Blower Failure, Red Light	ON	OFF	ON	OFF
R.	High Flare Temperature, Red Light	ON	OFF	ON	OFF
S.	Flare Failure, Red Light	ON	OFF	ON	OFF
4.	**FLARE**				
A.	Flame Condition	GOOD	N/S	GOOD	N/S
B.	Abnormal Burner Hotspots	YES	NO	YES	NO
C.	Unusual Sounds or Odors	YES	NO	YES	NO
D.	Damper Motor Running	YES	NO	YES	NO
E.	Manual Damper Position	90% CLOSED		90% CLOSED	
5.	**PIPING**				
A.	General Condition	GOOD	N/S	GOOD	N/S
B.	Propane Tank Press. (PSIG)	50 / 70		50 / 70	
C.	Inlet Valve Position	OPEN		OPEN	
D.	LFG Flowrate (CFM)	1164		1174	
E.	Gauges Operational?	YES	NO	YES	NO
F.	Nitrogen Pressure (PSIG)	50 / 100		20 / 500	
6.	**SITE CONDITION**				
	Vandalism, Cleanliness	GOOD	N/S	GOOD	N/S

FORM LFG-1
WEEKLY (TWICE WEEKLY) INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PELHAM BAY LANDFILL

	Date / Time	1/29/18 AM			
	Technician				
1.	**OPERATING BLOWER**	**No. 1**	**No. 2**	**No. 1**	**No. 2**
A.	Noise or Vibration	No	Yes	No	Yes
B.	Measureable or Odoriferous Gas Leaks	No	Yes	No	Yes
C.	Upstream Vacuum (Inches WC)	4			
D.	Inlet Temperature (°F)	34			
E.	Discharge Pressure (In. WC)	2.5			
F.	Discharge Temperature (°F)	78			

2.	**BLOWER CONTROL PANEL**	**Blower No. 1**			**Blower No. 2**			**Blower No. 1**			**Blower No. 2**		
A.	Disconnect Switch	ON		OFF	ON		OFF	ON		OFF	ON		OFF
B.	Hour Meter	96755.2			34083.6								
C.	Blower Running Light	ON		OFF	ON		OFF	ON		OFF	ON		OFF
D.	Blower Switch	Hand	Off	Auto	Hand	Off	Auto	Hand	Off	Auto	Hand	Off	Auto
E.	Blower 1 or 2 Current Alarm	ON			OFF			ON			OFF		
F.	High Motor Current Alarm	ON			OFF			ON			OFF		
G.	Flow Meter (CFM), Min & Max	1050			100 &1300						100 &1300		
H.	Reset Alarm												

3.	**FLARE CONTROL PANEL**				
A.	Panel Power Switch	ON	OFF	ON	OFF
B.	Panel Power Light	ON	OFF	ON	OFF
C.	Start-Up Sequence Switch	Manual	Auto	Manual	Auto
D.	Local Unit Control Switch	Stop	Start / Run	Stop	Start / Run
E.	Unit Stop				
F.	Security Light	ON	OFF	ON	OFF
G.	Purge Start				
H.	Low Purge Air Flow, Red Light	ON	OFF	ON	OFF
I.	Purging, Blue Light	ON	OFF	ON	OFF
J.	Purge Complete, Amber Light	ON	OFF	ON	OFF
K.	Ignition Start				
L.	Pilot Gas On, Green Light	ON	OFF	ON	OFF
M.	Flame Proved, Green Light	ON	OFF	ON	OFF
N.	Waste Inlet Valve	Close / Open / Auto		Close / Open / Auto	
O.	Waste Gas On, Green Light	ON	OFF	ON	OFF
P.	Flare Reset				
Q.	Waste Gas Blower Failure, Red Light	ON	OFF	ON	OFF
R.	High Flare Temperature, Red Light	ON	OFF	ON	OFF
S.	Flare Failure, Red Light	ON	OFF	ON	OFF

4.	**FLARE**				
A.	Flame Condition	GOOD	N/S	GOOD	N/S
B.	Abnormal Burner Hotspots	YES	NO	YES	NO
C.	Unusual Sounds or Odors	YES	NO	YES	NO
D.	Damper Motor Running	YES	NO	YES	NO
E.	Manual Damper Position	90% (1050)			

5.	**PIPING**				
A.	General Condition	GOOD	N/S	GOOD	N/S
B.	Propane Tank Press. (PSIG)	90 (est)			
C.	Inlet Valve Position	OPEN			
D.	LFG Flowrate (CFM)	1203			
E.	Gauges Operational?	YES	NO	YES	NO
F.	Nitrogen Pressure (PSIG)	1050			

6.	**SITE CONDITION**				
	Vandalism, Cleanliness	GOOD	N/S	GOOD	N/S

FORM LFG-1
WEEKLY (TWICE WEEKLY) INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PELHAM BAY LANDFILL

	Date / Time	1/29/18		2/1/18	
	Technician	AMD		AMD	
1.	**OPERATING BLOWER**	**No. 1**	**No. 2**	**No. 1**	**No. 2**
A.	Noise or Vibration	No	Yes	No	Yes
B.	Measureable or Odoriferous Gas Leaks	No	Yes	No	Yes
C.	Upstream Vacuum (Inches WC)	14		15	
D.	Inlet Temperature (°F)	34		36	
E.	Discharge Pressure (In. WC)	2.5		2.5	
F.	Discharge Temperature (°F)	78		80	

2.	**BLOWER CONTROL PANEL**	**Blower No. 1**			**Blower No. 2**			**Blower No. 1**			**Blower No. 2**		
A.	Disconnect Switch	ON		OFF	ON		OFF	ON		OFF	ON		OFF
B.	Hour Meter	96955.2			34083.6						34083.6		
C.	Blower Running Light	ON		OFF	ON		OFF	ON		OFF	ON		OFF
D.	Blower Switch	Hand	Off	Auto	Hand	Off	Auto	Hand	Off	Auto	Hand	Off	Auto
E.	Blower 1 or 2 Current Alarm	ON			OFF			ON			OFF		
F.	High Motor Current Alarm	ON			OFF			ON			OFF		
G.	Flow Meter (CFM), Min & Max	1050			100 &1300			1600			100 &1300		
H.	Reset Alarm												

3.	**FLARE CONTROL PANEL**				
A.	Panel Power Switch	ON	OFF	ON	OFF
B.	Panel Power Light	ON	OFF	ON	OFF
C.	Start-Up Sequence Switch	Manual	Auto	Manual	Auto
D.	Local Unit Control Switch	Stop	Start / Run	Stop	Start / Run
E.	Unit Stop				
F.	Security Light	ON	OFF	ON	OFF
G.	Purge Start				
H.	Low Purge Air Flow, Red Light	ON	OFF	ON	OFF
I.	Purging, Blue Light	ON	OFF	ON	OFF
J.	Purge Complete, Amber Light	ON	OFF	ON	OFF
K.	Ignition Start				
L.	Pilot Gas On, Green Light	ON	OFF	ON	OFF
M.	Flame Proved, Green Light	ON	OFF	ON	OFF
N.	Waste Inlet Valve	Close / Open / Auto		Close / Open / Auto	
O.	Waste Gas On, Green Light	ON	OFF	ON	OFF
P.	Flare Reset				
Q.	Waste Gas Blower Failure, Red Light	ON	OFF	ON	OFF
R.	High Flare Temperature, Red Light	ON	OFF	ON	OFF
S.	Flare Failure, Red Light	ON	OFF	ON	OFF

4.	**FLARE**				
A.	Flame Condition	GOOD	N/S	GOOD	N/S
B.	Abnormal Burner Hotspots	YES	NO	YES	NO
C.	Unusual Sounds or Odors	YES	NO	YES	NO
D.	Damper Motor Running	YES	NO	YES	NO
E.	Manual Damper Position	90% CLOSED		90% CLOSED	
5.	**PIPING**				
A.	General Condition	GOOD	N/S	GOOD	N/S
B.	Propane Tank Press. (PSIG)	40/65		40/55	
C.	Inlet Valve Position	OPEN		OPEN	
D.	LFG Flowrate (CFM)	1203		1192	
E.	Gauges Operational?	YES	NO	YES	NO
F.	Nitrogen Pressure (PSIG)	1050		1050	
6.	**SITE CONDITION**				
	Vandalism, Cleanliness	GOOD	N/S	GOOD	N/S

FORM LFG-1
WEEKLY (TWICE WEEKLY) INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PELHAM BAY LANDFILL

	Date / Time	2-6-18	10:17	2/8/18	
	Technician	[illegible]		AW	
1.	**OPERATING BLOWER**	**No. 1**	**No. 2**	**No. 1**	**No. 2**
A.	Noise or Vibration	(No)	Yes	No	Yes
B.	Measureable or Odoriferous Gas Leaks	(No)	Yes	No	Yes
C.	Upstream Vacuum (Inches WC)	15		14	
D.	Inlet Temperature (°F)	38		34	
E.	Discharge Pressure (In. WC)	2.0		2.5	
F.	Discharge Temperature (°F)	76		78	
2.	**BLOWER CONTROL PANEL**	**Blower No. 1**	**Blower No. 2**	**Blower No. 1**	**Blower No. 2**
A.	Disconnect Switch	(ON) OFF	(ON) OFF	(ON) OFF	(ON) OFF
B.	Hour Meter	49762.8	34083.6	00575.5	34083.6
C.	Blower Running Light	(ON) OFF	ON (OFF)	(ON) OFF	ON (OFF)
D.	Blower Switch	Hand Off (Auto)	Hand (Off) Auto	Hand Off (Auto)	Hand (Off) Auto
E.	Blower 1 or 2 Current Alarm	ON	(OFF)	ON	(OFF)
F.	High Motor Current Alarm	ON	(OFF)	ON	(OFF)
G.	Flow Meter (CFM), Min & Max		100 &1300	1050	100 &1300
H.	Reset Alarm				
3.	**FLARE CONTROL PANEL**				
A.	Panel Power Switch	(ON)	OFF	(ON)	OFF
B.	Panel Power Light	(ON)	OFF	(ON)	OFF
C.	Start-Up Sequence Switch	Manual	(Auto)	Manual	(Auto)
D.	Local Unit Control Switch	Stop	(Start / Run)	Stop	(Start / Run)
E.	Unit Stop				
F.	Security Light	(ON)	OFF	(ON)	OFF
G.	Purge Start				
H.	Low Purge Air Flow, Red Light	ON	(OFF)	ON	(OFF)
I.	Purging, Blue Light	ON	(OFF)	ON	(OFF)
J.	Purge Complete, Amber Light	ON	(OFF)	ON	(OFF)
K.	Ignition Start				
L.	Pilot Gas On, Green Light	ON	OFF	(ON)	OFF
M.	Flame Proved, Green Light	(ON)	OFF	(ON)	OFF
N.	Waste Inlet Valve	Close Open (Auto)		Close Open (Auto)	
O.	Waste Gas On, Green Light	(ON)	OFF	(ON)	OFF
P.	Flare Reset				
Q.	Waste Gas Blower Failure, Red Light	ON	(OFF)	ON	(OFF)
R.	High Flare Temperature, Red Light	ON	(OFF)	ON	(OFF)
S.	Flare Failure, Red Light	ON	(OFF)	ON	(OFF)
4.	**FLARE**				
A.	Flame Condition	(GOOD)	N/S	(GOOD)	N/S
B.	Abnormal Burner Hotspots	YES	(NO)	YES	(NO)
C.	Unusual Sounds or Odors	YES	(NO)	YES	(NO)
D.	Damper Motor Running	(YES)	NO	(YES)	NO
E.	Manual Damper Position			70% open	
5.	**PIPING**				
A.	General Condition	(GOOD)	N/S	(GOOD)	N/S
B.	Propane Tank Press. (PSIG)	30/45		25/50	
C.	Inlet Valve Position	OPEN		OPEN	
D.	LFG Flowrate (CFM)	1550		1600	
E.	Gauges Operational?	(YES)	NO	(YES)	NO
F.	Nitrogen Pressure (PSIG)	100/1400		90/1100	
6.	**SITE CONDITION**				
	Vandalism, Cleanliness	(GOOD)	N/S	(GOOD)	N/S

FORM LFG-1
WEEKLY (TWICE WEEKLY) INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PELHAM BAY LANDFILL

	Date / Time	2/12/18		2/15/18	
	Technician	AWD		AWD	
1.	**OPERATING BLOWER**	**No. 1**	**No. 2**	**No. 1**	**No. 2**
A.	Noise or Vibration	No	Yes	No	Yes
B.	Measureable or Odoriferous Gas Leaks	No	Yes	No	Yes
C.	Upstream Vacuum (Inches WC)	14		13	
D.	Inlet Temperature (°F)	52		34	
E.	Discharge Pressure (In. WC)	2.5		2.5	
F.	Discharge Temperature (°F)	30		34	
2.	**BLOWER CONTROL PANEL**	**Blower No. 1**	**Blower No. 2**	**Blower No. 1**	**Blower No. 2**
A.	Disconnect Switch	ON / OFF	ON / OFF	ON / OFF	ON / OFF
B.	Hour Meter	01347.9	34328.3	01347.9	35564.1
C.	Blower Running Light	ON / OFF	ON / OFF	ON / OFF	ON / OFF
D.	Blower Switch	Hand / Off / AUTO	Hand / Off / Auto	Hand / Off / Auto	Hand / Off / Auto
E.	Blower 1 or 2 Current Alarm	ON	OFF	ON	OFF
F.	High Motor Current Alarm	ON	OFF	ON	OFF
G.	Flow Meter (CFM), Min & Max	1050	*100 &1300*	1000	*100 &1300*
H.	Reset Alarm				
3.	**FLARE CONTROL PANEL**				
A.	Panel Power Switch	ON	OFF	ON	OFF
B.	Panel Power Light	ON	OFF	ON	OFF
C.	Start-Up Sequence Switch	Manual	Auto	Manual	Auto
D.	Local Unit Control Switch	Stop	Start / Run	Stop	Start / Run
E.	Unit Stop				
F.	Security Light	ON	OFF	ON	OFF
G.	Purge Start				
H.	Low Purge Air Flow, Red Light	ON	OFF	ON	OFF
I.	Purging, Blue Light	ON	OFF	ON	OFF
J.	Purge Complete, Amber Light	ON	OFF	ON	OFF
K.	Ignition Start				
L.	Pilot Gas On, Green Light	ON	OFF	ON	OFF
M.	Flame Proved, Green Light	ON	OFF	ON	OFF
N.	Waste Inlet Valve	Close / Open / Auto		Close / Open / Auto	
O.	Waste Gas On, Green Light	ON	OFF	ON	OFF
P.	Flare Reset				
Q.	Waste Gas Blower Failure, Red Light	ON	OFF	ON	OFF
R.	High Flare Temperature, Red Light	ON	OFF	ON	OFF
S.	Flare Failure, Red Light	ON	OFF	ON	OFF
4.	**FLARE**				
A.	Flame Condition	GOOD	N/S	GOOD	N/S
B.	Abnormal Burner Hotspots	YES	NO	YES	NO
C.	Unusual Sounds or Odors	YES	NO	YES	NO
D.	Damper Motor Running	YES	NO	YES	NO
E.	Manual Damper Position	90° CLOSED		90° CLOSED	
5.	**PIPING**				
A.	General Condition	GOOD	N/S	GOOD	N/S
B.	Propane Tank Press. (PSIG)	50/60		40/60	
C.	Inlet Valve Position	OPEN		OPEN	
D.	LFG Flowrate (CFM)	OPEN		1192	
E.	Gauges Operational?	YES	NO	YES	NO
F.	Nitrogen Pressure (PSIG)	65/100		45/600	
6.	**SITE CONDITION**				
	Vandalism, Cleanliness	GOOD	N/S	GOOD	N/S

FORM LFG-1
WEEKLY (TWICE WEEKLY) INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PELHAM BAY LANDFILL

	Date / Time	2/20/18		2/22/18	
	Technician	AM			
1.	**OPERATING BLOWER**	**No. 1**	**No. 2**	**No. 1**	**No. 2**
A.	Noise or Vibration	~~No~~	Yes	~~No~~	Yes
B.	Measureable or Odoriferous Gas Leaks	~~No~~	Yes	~~No~~	Yes
C.	Upstream Vacuum (Inches WC)	16		15	
D.	Inlet Temperature (°F)	44		38	
E.	Discharge Pressure (In. WC)	2.5		2.5	
F.	Discharge Temperature (°F)	96		86	

2.	**BLOWER CONTROL PANEL**	**Blower No. 1**			**Blower No. 2**			**Blower No. 1**			**Blower No. 2**		
A.	Disconnect Switch	~~ON~~		OFF	~~ON~~		OFF	~~ON~~		OFF	~~ON~~		OFF
B.	Hour Meter	01347.7			03621.1			01347.9			37286.5		
C.	Blower Running Light	ON		~~OFF~~	~~ON~~		OFF	ON		~~OFF~~	~~ON~~		OFF
D.	Blower Switch	Hand	Off	Auto	Hand	Off	~~Auto~~	Hand	~~Off~~	Auto	Hand	Off	~~Auto~~
E.	Blower 1 or 2 Current Alarm	ON			~~OFF~~			ON			~~OFF~~		
F.	High Motor Current Alarm	ON			~~OFF~~			ON			~~OFF~~		
G.	Flow Meter (CFM), Min & Max	1050			*100 &1300*			1000			*100 &1300*		
H.	Reset Alarm												

3.	**FLARE CONTROL PANEL**										
A.	Panel Power Switch	~~ON~~		OFF				~~ON~~		OFF	
B.	Panel Power Light	~~ON~~		OFF				~~ON~~		OFF	
C.	Start-Up Sequence Switch	Manual		~~Auto~~				Manual		~~Auto~~	
D.	Local Unit Control Switch	Stop		~~Start / Run~~				Stop		~~Start / Run~~	
E.	Unit Stop										
F.	Security Light	~~ON~~		OFF				~~ON~~		OFF	
G.	Purge Start										
H.	Low Purge Air Flow, Red Light	ON		~~OFF~~				ON		~~OFF~~	
I.	Purging, Blue Light	ON		~~OFF~~				ON		~~OFF~~	
J.	Purge Complete, Amber Light	ON		~~OFF~~				ON		~~OFF~~	
K.	Ignition Start										
L.	Pilot Gas On, Green Light	~~ON~~		OFF				~~ON~~		OFF	
M.	Flame Proved, Green Light	~~ON~~		OFF				~~ON~~		OFF	
N.	Waste Inlet Valve	Close	Open	~~Auto~~				Close	Open	~~Auto~~	
O.	Waste Gas On, Green Light	~~ON~~		OFF				~~ON~~		OFF	
P.	Flare Reset										
Q.	Waste Gas Blower Failure, Red Light	ON		~~OFF~~				ON		~~OFF~~	
R.	High Flare Temperature, Red Light	ON		~~OFF~~				ON		~~OFF~~	
S.	Flare Failure, Red Light	ON		~~OFF~~				ON		~~OFF~~	

4.	**FLARE**				
A.	Flame Condition	~~GOOD~~	N/S	~~GOOD~~	N/S
B.	Abnormal Burner Hotspots	YES	~~NO~~	YES	~~NO~~
C.	Unusual Sounds or Odors	YES	~~NO~~	YES	~~NO~~
D.	Damper Motor Running	~~YES~~	NO	~~YES~~	NO
E.	Manual Damper Position	40% CLOSED		40% CLOSED	

5.	**PIPING**				
A.	General Condition	~~GOOD~~	N/S	~~GOOD~~	N/S
B.	Propane Tank Press. (PSIG)	55/75		50/70	
C.	Inlet Valve Position	OPEN		OPEN	
D.	LFG Flowrate (CFM)	1050		1202	
E.	Gauges Operational?	~~YES~~	NO	~~YES~~	NO
F.	Nitrogen Pressure (PSIG)	25/350		10/100	

6.	**SITE CONDITION**				
	Vandalism, Cleanliness	~~GOOD~~	N/S	~~GOOD~~	N/S

FORM LFG-1
WEEKLY (TWICE WEEKLY) INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PELHAM BAY LANDFILL

	Date / Time	2/26/18			
	Technician	AMS			
1.	**OPERATING BLOWER**	**No. 1**	**No. 2**	**No. 1**	**No. 2**
A.	Noise or Vibration	No	Yes	No	Yes
B.	Measureable or Odoriferous Gas Leaks	No	Yes	No	Yes
C.	Upstream Vacuum (Inches WC)	15			
D.	Inlet Temperature (°F)	36			
E.	Discharge Pressure (In. WC)	2.5			
F.	Discharge Temperature (°F)	54			

2.	**BLOWER CONTROL PANEL**	**Blower No. 1**			**Blower No. 2**			**Blower No. 1**			**Blower No. 2**		
A.	Disconnect Switch	ON		OFF	ON		OFF	ON		OFF	ON		OFF
B.	Hour Meter	013217											
C.	Blower Running Light	ON		OFF	ON		OFF	ON		OFF	ON		OFF
D.	Blower Switch	Hand	Off	Auto	Hand	Off	Auto	Hand	Off	Auto	Hand	Off	Auto
E.	Blower 1 or 2 Current Alarm	ON			OFF			ON			OFF		
F.	High Motor Current Alarm	ON			OFF			ON			OFF		
G.	Flow Meter (CFM), Min & Max	1050			*100 &1300*						*100 &1300*		
H.	Reset Alarm												

3.	**FLARE CONTROL PANEL**												
A.	Panel Power Switch	ON			OFF			ON			OFF		
B.	Panel Power Light	ON			OFF			ON			OFF		
C.	Start-Up Sequence Switch	Manual			Auto			Manual			Auto		
D.	Local Unit Control Switch	Stop			Start / Run			Stop			Start / Run		
E.	Unit Stop												
F.	Security Light	ON			OFF			ON			OFF		
G.	Purge Start												
H.	Low Purge Air Flow, Red Light	ON			OFF			ON			OFF		
I.	Purging, Blue Light	ON			OFF			ON			OFF		
J.	Purge Complete, Amber Light	ON			OFF			ON			OFF		
K.	Ignition Start												
L.	Pilot Gas On, Green Light	ON			OFF			ON			OFF		
M.	Flame Proved, Green Light	ON			OFF			ON			OFF		
N.	Waste Inlet Valve	Close		Open			Auto	Close		Open			Auto
O.	Waste Gas On, Green Light	ON			OFF			ON			OFF		
P.	Flare Reset												
Q.	Waste Gas Blower Failure, Red Light	ON			OFF			ON			OFF		
R.	High Flare Temperature, Red Light	ON			OFF			ON			OFF		
S.	Flare Failure, Red Light	ON			OFF			ON			OFF		

4.	**FLARE**				
A.	Flame Condition	GOOD	N/S	GOOD	N/S
B.	Abnormal Burner Hotspots	YES	NO	YES	NO
C.	Unusual Sounds or Odors	YES	NO	YES	NO
D.	Damper Motor Running	YES	NO	YES	NO
E.	Manual Damper Position	90% (OPEN)			
5.	**PIPING**				
A.	General Condition	GOOD	N/S	GOOD	N/S
B.	Propane Tank Press. (PSIG)	455			
C.	Inlet Valve Position	OPEN			
D.	LFG Flowrate (CFM)	1197			
E.	Gauges Operational?	YES	NO	YES	NO
F.	Nitrogen Pressure (PSIG)	120/800			
6.	**SITE CONDITION**				
	Vandalism, Cleanliness	GOOD	N/S	GOOD	N/S

FORM LFG-1
WEEKLY (TWICE WEEKLY) INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PELHAM BAY LANDFILL

	Date / Time	2/26/18		3/1/18	
	Technician	AMD		AMD	
1.	**OPERATING BLOWER**	**No. 1**	**No. 2**	**No. 1**	**No. 2**
A.	Noise or Vibration	No	Yes	No	Yes
B.	Measureable or Odoriferous Gas Leaks	No	Yes	No	Yes
C.	Upstream Vacuum (Inches WC)	15		14	
D.	Inlet Temperature (°F)	36		42	
E.	Discharge Pressure (In. WC)	2.5		2.5	
F.	Discharge Temperature (°F)	134		86	
2.	**BLOWER CONTROL PANEL**	**Blower No. 1**	**Blower No. 2**	**Blower No. 1**	**Blower No. 2**
A.	Disconnect Switch	ON / OFF	ON / OFF	ON / OFF	ON / OFF
B.	Hour Meter	013417		013417	39715.9
C.	Blower Running Light	ON / OFF	ON / OFF	ON / OFF	ON / OFF
D.	Blower Switch	Hand / Off / Auto	Hand / Off / Auto	Hand / Off / Auto	Hand / Off / Auto
E.	Blower 1 or 2 Current Alarm	ON	OFF	ON	OFF
F.	High Motor Current Alarm	ON	OFF	ON	OFF
G.	Flow Meter (CFM), Min & Max	1050	100 &1300	1000	100 &1300
H.	Reset Alarm				
3.	**FLARE CONTROL PANEL**				
A.	Panel Power Switch	ON	OFF	ON	OFF
B.	Panel Power Light	ON	OFF	ON	OFF
C.	Start-Up Sequence Switch	Manual	Auto	Manual	Auto
D.	Local Unit Control Switch	Stop	Start / Run	Stop	Start / Run
E.	Unit Stop				
F.	Security Light	ON	OFF	ON	OFF
G.	Purge Start				
H.	Low Purge Air Flow, Red Light	ON	OFF	ON	OFF
I.	Purging, Blue Light	ON	OFF	ON	OFF
J.	Purge Complete, Amber Light	ON	OFF	ON	OFF
K.	Ignition Start				
L.	Pilot Gas On, Green Light	ON	OFF	ON	OFF
M.	Flame Proved, Green Light	ON	OFF	ON	OFF
N.	Waste Inlet Valve	Close / Open / Auto		Close / Open / Auto	
O.	Waste Gas On, Green Light	ON	OFF	ON	OFF
P.	Flare Reset				
Q.	Waste Gas Blower Failure, Red Light	ON	OFF	ON	OFF
R.	High Flare Temperature, Red Light	ON	OFF	ON	OFF
S.	Flare Failure, Red Light	ON	OFF	ON	OFF
4.	**FLARE**				
A.	Flame Condition	GOOD	N/S	GOOD	N/S
B.	Abnormal Burner Hotspots	YES	NO	YES	NO
C.	Unusual Sounds or Odors	YES	NO	YES	NO
D.	Damper Motor Running	YES	NO	YES	NO
E.	Manual Damper Position	90% (CLOSED)		90% (CLOSED)	
5.	**PIPING**				
A.	General Condition	GOOD	N/S	GOOD	N/S
B.	Propane Tank Press. (PSIG)	45/55		50/70	
C.	Inlet Valve Position	OPEN		OPEN	
D.	LFG Flowrate (CFM)	1197		1199	
E.	Gauges Operational?	YES	NO	YES	NO
F.	Nitrogen Pressure (PSIG)	1200/1800		1000/1500	
6.	**SITE CONDITION**				
	Vandalism, Cleanliness	GOOD	N/S	GOOD	N/S

FORM LFG-1
WEEKLY (TWICE WEEKLY) INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PELHAM BAY LANDFILL

	Date / Time	3/5/18		3/8/18	
	Technician	AMD		AMD	
1.	**OPERATING BLOWER**	**No. 1**	**No. 2**	**No. 1**	**No. 2**
A.	Noise or Vibration	~~No~~	Yes	~~No~~	Yes
B.	Measureable or Odoriferous Gas Leaks	~~No~~	Yes	~~No~~	Yes
C.	Upstream Vacuum (Inches WC)	15		13	
D.	Inlet Temperature (°F)	38		42	
E.	Discharge Pressure (In. WC)	2.5		2.0	
F.	Discharge Temperature (°F)	80		86	
2.	**BLOWER CONTROL PANEL**	**Blower No. 1**	**Blower No. 2**	**Blower No. 1**	**Blower No. 2**
A.	Disconnect Switch	~~ON~~ OFF	~~ON~~ OFF	~~ON~~ OFF	~~ON~~ OFF
B.	Hour Meter	13479	40325.5	13547.9	41690.0
C.	Blower Running Light	~~ON~~ OFF	~~ON~~ OFF	~~ON~~ OFF	~~ON~~ OFF
D.	Blower Switch	Hand ~~Off~~ Auto	Hand ~~Off~~ Auto	Hand ~~Off~~ Auto	Hand Off ~~Auto~~
E.	Blower 1 or 2 Current Alarm	ON	~~OFF~~	ON	~~OFF~~
F.	High Motor Current Alarm	ON	~~OFF~~	ON	~~OFF~~
G.	Flow Meter (CFM), Min & Max	1050	*100 &1300*	1000	*100 &1300*
H.	Reset Alarm				
3.	**FLARE CONTROL PANEL**				
A.	Panel Power Switch	~~ON~~	OFF	~~ON~~	OFF
B.	Panel Power Light	~~ON~~	OFF	~~ON~~	OFF
C.	Start-Up Sequence Switch	Manual	~~Auto~~	Manual	~~Auto~~
D.	Local Unit Control Switch	Stop	~~Start / Run~~	Stop	~~Start / Run~~
E.	Unit Stop				
F.	Security Light	~~ON~~	OFF	~~ON~~	OFF
G.	Purge Start				
H.	Low Purge Air Flow, Red Light	ON	~~OFF~~	ON	~~OFF~~
I.	Purging, Blue Light	ON	~~OFF~~	ON	~~OFF~~
J.	Purge Complete, Amber Light	ON	~~OFF~~	ON	~~OFF~~
K.	Ignition Start				
L.	Pilot Gas On, Green Light	~~ON~~	OFF	~~ON~~	OFF
M.	Flame Proved, Green Light	~~ON~~	OFF	~~ON~~	OFF
N.	Waste Inlet Valve	Close Open ~~Auto~~		Close Open ~~Auto~~	
O.	Waste Gas On, Green Light	~~ON~~	OFF	~~ON~~	OFF
P.	Flare Reset				
Q.	Waste Gas Blower Failure, Red Light	ON	~~OFF~~	ON	~~OFF~~
R.	High Flare Temperature, Red Light	ON	~~OFF~~	ON	~~OFF~~
S.	Flare Failure, Red Light	ON	~~OFF~~	ON	~~OFF~~
4.	**FLARE**				
A.	Flame Condition	~~GOOD~~	N/S	~~GOOD~~	N/S
B.	Abnormal Burner Hotspots	YES	~~NO~~	YES	~~NO~~
C.	Unusual Sounds or Odors	YES	~~NO~~	YES	~~NO~~
D.	Damper Motor Running	~~YES~~	NO	~~YES~~	NO
E.	Manual Damper Position	40% CLOSED		40% CLOSED	
5.	**PIPING**				
A.	General Condition	~~GOOD~~	N/S	~~GOOD~~	N/S
B.	Propane Tank Press. (PSIG)	55/70		50/70	
C.	Inlet Valve Position	OPEN		OPEN	
D.	LFG Flowrate (CFM)	1210		1196	
E.	Gauges Operational?	~~YES~~	NO	~~YES~~	NO
F.	Nitrogen Pressure (PSIG)	35/1200		60/1900	
6.	**SITE CONDITION**				
	Vandalism, Cleanliness	~~GOOD~~	N/S	~~GOOD~~	N/S

FORM LFG-1
WEEKLY (TWICE WEEKLY) INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PELHAM BAY LANDFILL

	Date / Time	3/12/18		3/15/18	10:00am
	Technician	AMD		[illegible]	
1.	**OPERATING BLOWER**	**No. 1**	**No. 2**	**No. 1**	**No. 2**
A.	Noise or Vibration	(No)	Yes	(No)	Yes
B.	Measureable or Odoriferous Gas Leaks	(No)	Yes	(No)	Yes
C.	Upstream Vacuum (Inches WC)	15		16	
D.	Inlet Temperature (°F)	71		56	
E.	Discharge Pressure (In. WC)	20		21	
F.	Discharge Temperature (°F)	77		80	
2.	**BLOWER CONTROL PANEL**	**Blower No. 1**	**Blower No. 2**	**Blower No. 1**	**Blower No. 2**
A.	Disconnect Switch	(ON) OFF	(ON) OFF	(ON) OFF	(ON) OFF
B.	Hour Meter	01347.9		01347.9	43710.2
C.	Blower Running Light	ON (OFF)	(ON) OFF	ON (OFF)	(ON) OFF
D.	Blower Switch	Hand (Off) Auto	Hand Off (Auto)	Hand (Off) Auto	Hand Off (Auto)
E.	Blower 1 or 2 Current Alarm	ON	(OFF)	ON	(OFF)
F.	High Motor Current Alarm	ON	(OFF)	ON	(OFF)
G.	Flow Meter (CFM), Min & Max	1000	*100 &1300*		*100 &1300*
H.	Reset Alarm				
3.	**FLARE CONTROL PANEL**				
A.	Panel Power Switch	(ON)	OFF	(ON)	OFF
B.	Panel Power Light	(ON)	OFF	(ON)	OFF
C.	Start-Up Sequence Switch	Manual	(Auto)	Manual	(Auto)
D.	Local Unit Control Switch	Stop	(Start / Run)	Stop	(Start / Run)
E.	Unit Stop				
F.	Security Light	(ON)	OFF	(ON)	OFF
G.	Purge Start				
H.	Low Purge Air Flow, Red Light	ON	(OFF)	ON	(OFF)
I.	Purging, Blue Light	ON	(OFF)	ON	(OFF)
J.	Purge Complete, Amber Light	ON	(OFF)	ON	(OFF)
K.	Ignition Start				
L.	Pilot Gas On, Green Light	(ON)	OFF	(ON)	OFF
M.	Flame Proved, Green Light	(ON)	OFF	(ON)	OFF
N.	Waste Inlet Valve	Close Open (Auto)		Close Open (Auto)	
O.	Waste Gas On, Green Light	(ON)	OFF	(ON)	OFF
P.	Flare Reset				
Q.	Waste Gas Blower Failure, Red Light	ON	(OFF)	ON	(OFF)
R.	High Flare Temperature, Red Light	ON	(OFF)	ON	(OFF)
S.	Flare Failure, Red Light	ON	(OFF)	ON	(OFF)
4.	**FLARE**				
A.	Flame Condition	(GOOD)	N/S	(GOOD)	N/S
B.	Abnormal Burner Hotspots	YES	(NO)	YES	(NO)
C.	Unusual Sounds or Odors	YES	(NO)	YES	(NO)
D.	Damper Motor Running	(YES)	NO	(YES)	NO
E.	Manual Damper Position	90% CLOSED		70% CLOSED	
5.	**PIPING**				
A.	General Condition	(GOOD)	N/S	(GOOD)	N/S
B.	Propane Tank Press. (PSIG)	210		SOLD	
C.	Inlet Valve Position	OPEN		OPEN	
D.	LFG Flowrate (CFM)	1257		1256	
E.	Gauges Operational?	(YES)	NO	(YES)	NO
F.	Nitrogen Pressure (PSIG)	1500		N/A	
6.	**SITE CONDITION**				
	Vandalism, Cleanliness	(GOOD)	N/S	(GOOD)	N/S

FORM LFG-1
WEEKLY (TWICE WEEKLY) INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PELHAM BAY LANDFILL

	Date / Time	3/19/18		3/22/18	
	Technician	AMD		AMD	
1.	**OPERATING BLOWER**	**No. 1**	**No. 2**	**No. 1**	**No. 2**
A.	Noise or Vibration	~~No~~	Yes	~~No~~	Yes
B.	Measureable or Odoriferous Gas Leaks	~~No~~	Yes	~~No~~	Yes
C.	Upstream Vacuum (Inches WC)	15		16	
D.	Inlet Temperature (°F)	78		76	
E.	Discharge Pressure (In. WC)	2.5		25	
F.	Discharge Temperature (°F)	87		86	
2.	**BLOWER CONTROL PANEL**	**Blower No. 1**	**Blower No. 2**	**Blower No. 1**	**Blower No. 2**
A.	Disconnect Switch	ON / ~~OFF~~	ON / ~~OFF~~	ON / ~~OFF~~	ON / ~~OFF~~
B.	Hour Meter	01347.9	47613.7	01347.9	46075.0
C.	Blower Running Light	ON / ~~OFF~~	ON / ~~OFF~~	ON / ~~OFF~~	ON / ~~OFF~~
D.	Blower Switch	Hand / ~~Off~~ / Auto	Hand / Off / ~~Auto~~	Hand / ~~Off~~ / Auto	Hand / Off / ~~Auto~~
E.	Blower 1 or 2 Current Alarm	ON	~~OFF~~	ON	~~OFF~~
F.	High Motor Current Alarm	ON	~~OFF~~	ON	~~OFF~~
G.	Flow Meter (CFM), Min & Max	1050	100 &1300	1000	100 &1300
H.	Reset Alarm				
3.	**FLARE CONTROL PANEL**				
A.	Panel Power Switch	~~ON~~	OFF	~~ON~~	OFF
B.	Panel Power Light	~~ON~~	OFF	~~ON~~	OFF
C.	Start-Up Sequence Switch	Manual	~~Auto~~	Manual	~~Auto~~
D.	Local Unit Control Switch	Stop	Start / Run	Stop	Start / Run
E.	Unit Stop				
F.	Security Light	~~ON~~	OFF	~~ON~~	OFF
G.	Purge Start				
H.	Low Purge Air Flow, Red Light	ON	~~OFF~~	ON	~~OFF~~
I.	Purging, Blue Light	ON	~~OFF~~	ON	~~OFF~~
J.	Purge Complete, Amber Light	ON	~~OFF~~	ON	~~OFF~~
K.	Ignition Start				
L.	Pilot Gas On, Green Light	~~ON~~	OFF	~~ON~~	OFF
M.	Flame Proved, Green Light	~~ON~~	OFF	~~ON~~	OFF
N.	Waste Inlet Valve	Close / Open / ~~Auto~~		Close / Open / ~~Auto~~	
O.	Waste Gas On, Green Light	~~ON~~	OFF	~~ON~~	OFF
P.	Flare Reset				
Q.	Waste Gas Blower Failure, Red Light	ON	~~OFF~~	ON	~~OFF~~
R.	High Flare Temperature, Red Light	ON	~~OFF~~	ON	~~OFF~~
S.	Flare Failure, Red Light	ON	~~OFF~~	ON	~~OFF~~
4.	**FLARE**				
A.	Flame Condition	~~GOOD~~	N/S	~~GOOD~~	N/S
B.	Abnormal Burner Hotspots	YES	~~NO~~	YES	~~NO~~
C.	Unusual Sounds or Odors	YES	~~NO~~	YES	~~NO~~
D.	Damper Motor Running	~~YES~~	NO	~~YES~~	NO
E.	Manual Damper Position	90° CLOSED		90° CLOSED	
5.	**PIPING**				
A.	General Condition	GOOD	N/S	GOOD	N/S
B.	Propane Tank Press. (PSIG)	56/70		55/70	
C.	Inlet Valve Position	OPEN		OPEN	
D.	LFG Flowrate (CFM)	1203		1203	
E.	Gauges Operational?	YES	NO	YES	NO
F.	Nitrogen Pressure (PSIG)	2000		1600/2000	
6.	**SITE CONDITION**				
	Vandalism, Cleanliness	GOOD	N/S	GOOD	N/S

FORM LFG-1
WEEKLY (TWICE WEEKLY) INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PELHAM BAY LANDFILL

	Date / Time	3/26/18		3/29/18	
	Technician	AM		AM	
1.	**OPERATING BLOWER**	**No. 1**	**No. 2**	**No. 1**	**No. 2**
A.	Noise or Vibration	~~No~~	Yes	~~No~~	Yes
B.	Measureable or Odoriferous Gas Leaks	~~No~~	Yes	~~No~~	Yes
C.	Upstream Vacuum (Inches WC)	15		16	
D.	Inlet Temperature (°F)	46		42	
E.	Discharge Pressure (In. WC)	2.5		2.5	
F.	Discharge Temperature (°F)	84		82	
2.	**BLOWER CONTROL PANEL**	**Blower No. 1**	**Blower No. 2**	**Blower No. 1**	**Blower No. 2**
A.	Disconnect Switch	~~ON~~ OFF	~~ON~~ OFF	~~ON~~ OFF	~~ON~~ OFF
B.	Hour Meter	01347.9	47037.8	01347.9	48488.0
C.	Blower Running Light	ON ~~OFF~~	~~ON~~ OFF	ON ~~OFF~~	~~ON~~ OFF
D.	Blower Switch	Hand ~~Off~~ Auto	Hand Off ~~Auto~~	Hand ~~Off~~ Auto	Hand Off ~~Auto~~
E.	Blower 1 or 2 Current Alarm	ON	~~OFF~~	ON	~~OFF~~
F.	High Motor Current Alarm	ON	~~OFF~~	ON	~~OFF~~
G.	Flow Meter (CFM), Min & Max	1050	*100 &1300*	1050	*100 &1300*
H.	Reset Alarm				
3.	**FLARE CONTROL PANEL**				
A.	Panel Power Switch	~~ON~~	OFF	~~ON~~	OFF
B.	Panel Power Light	~~ON~~	OFF	~~ON~~	OFF
C.	Start-Up Sequence Switch	Manual	~~Auto~~	Manual	~~Auto~~
D.	Local Unit Control Switch	Stop	~~Start / Run~~	Stop	~~Start / Run~~
E.	Unit Stop				
F.	Security Light	~~ON~~	OFF	~~ON~~	OFF
G.	Purge Start				
H.	Low Purge Air Flow, Red Light	ON	~~OFF~~	ON	~~OFF~~
I.	Purging, Blue Light	ON	~~OFF~~	ON	~~OFF~~
J.	Purge Complete, Amber Light	ON	~~OFF~~	ON	~~OFF~~
K.	Ignition Start				
L.	Pilot Gas On, Green Light	~~ON~~	OFF	~~ON~~	OFF
M.	Flame Proved, Green Light	~~ON~~	OFF	~~ON~~	OFF
N.	Waste Inlet Valve	Close Open ~~Auto~~		Close Open ~~Auto~~	
O.	Waste Gas On, Green Light	~~ON~~	OFF	~~ON~~	OFF
P.	Flare Reset				
Q.	Waste Gas Blower Failure, Red Light	ON	~~OFF~~	ON	~~OFF~~
R.	High Flare Temperature, Red Light	ON	~~OFF~~	ON	~~OFF~~
S.	Flare Failure, Red Light	ON	~~OFF~~	ON	~~OFF~~
4.	**FLARE**				
A.	Flame Condition	~~GOOD~~	N/S	~~GOOD~~	N/S
B.	Abnormal Burner Hotspots	YES	~~NO~~	YES	~~NO~~
C.	Unusual Sounds or Odors	YES	~~NO~~	YES	~~NO~~
D.	Damper Motor Running	~~YES~~	NO	~~YES~~	NO
E.	Manual Damper Position	90% (OPEN)		90% (OPEN)	
5.	**PIPING**				
A.	General Condition	~~GOOD~~	N/S	~~GOOD~~	N/S
B.	Propane Tank Press. (PSIG)	55/70		50/70	
C.	Inlet Valve Position	OPEN		OPEN	
D.	LFG Flowrate (CFM)	1215		1199	
E.	Gauges Operational?	~~YES~~	NO	~~YES~~	NO
F.	Nitrogen Pressure (PSIG)	1200/1500		600/1200	
6.	**SITE CONDITION**				
	Vandalism, Cleanliness	~~GOOD~~	N/S	~~GOOD~~	N/S

FORM LFG-1
WEEKLY (TWICE WEEKLY) INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PELHAM BAY LANDFILL

	Date / Time	4/2/18		4/5/18	
	Technician	AM		AM	
1.	**OPERATING BLOWER**	**No. 1**	**No. 2**	**No. 1**	**No. 2**
A.	Noise or Vibration	No	Yes	No	Yes
B.	Measureable or Odoriferous Gas Leaks	No	Yes	No	Yes
C.	Upstream Vacuum (Inches WC)	14		15	
D.	Inlet Temperature (°F)	38		40	
E.	Discharge Pressure (In. WC)	3.5		2.5	
F.	Discharge Temperature (°F)	80		84	

2.	**BLOWER CONTROL PANEL**	**Blower No. 1**			**Blower No. 2**			**Blower No. 1**			**Blower No. 2**		
A.	Disconnect Switch	ON		OFF	ON		OFF	ON		OFF	ON		OFF
B.	Hour Meter	01347.9			49444.1			01347.9			50879.1		
C.	Blower Running Light	ON		OFF	ON		OFF	ON		OFF	ON		OFF
D.	Blower Switch	Hand	Off	Auto	Hand	Off	Auto	Hand	Off	Auto	Hand	Off	Auto
E.	Blower 1 or 2 Current Alarm	ON			OFF			ON			OFF		
F.	High Motor Current Alarm	ON			OFF			ON			OFF		
G.	Flow Meter (CFM), Min & Max	1050			100 &1300			1000			100 &1300		
H.	Reset Alarm												

3.	**FLARE CONTROL PANEL**				
A.	Panel Power Switch	ON	OFF	ON	OFF
B.	Panel Power Light	ON	OFF	ON	OFF
C.	Start-Up Sequence Switch	Manual	Auto	Manual	Auto
D.	Local Unit Control Switch	Stop	Start / Run	Stop	Start / Run
E.	Unit Stop				
F.	Security Light	ON	OFF	ON	OFF
G.	Purge Start				
H.	Low Purge Air Flow, Red Light	ON	OFF	ON	OFF
I.	Purging, Blue Light	ON	OFF	ON	OFF
J.	Purge Complete, Amber Light	ON	OFF	ON	OFF
K.	Ignition Start				
L.	Pilot Gas On, Green Light	ON	OFF	ON	OFF
M.	Flame Proved, Green Light	ON	OFF	ON	OFF
N.	Waste Inlet Valve	Close	Open / Auto	Close	Open / Auto
O.	Waste Gas On, Green Light	ON	OFF	ON	OFF
P.	Flare Reset				
Q.	Waste Gas Blower Failure, Red Light	ON	OFF	ON	OFF
R.	High Flare Temperature, Red Light	ON	OFF	ON	OFF
S.	Flare Failure, Red Light	ON	OFF	ON	OFF

4.	**FLARE**				
A.	Flame Condition	GOOD	N/S	GOOD	N/S
B.	Abnormal Burner Hotspots	YES	NO	YES	NO
C.	Unusual Sounds or Odors	YES	NO	YES	NO
D.	Damper Motor Running	YES	NO	YES	NO
E.	Manual Damper Position	90% CLOSED		90% CLOSED	

5.	**PIPING**				
A.	General Condition	GOOD	N/S	GOOD	N/S
B.	Propane Tank Press. (PSIG)	50/70		50/70	
C.	Inlet Valve Position	OPEN		OPEN	
D.	LFG Flowrate (CFM)	1220		1206	
E.	Gauges Operational?	YES	NO	YES	NO
F.	Nitrogen Pressure (PSIG)	60/900		40/700	

6.	**SITE CONDITION**				
	Vandalism, Cleanliness	GOOD	N/S	GOOD	N/S

FORM LFG-1
WEEKLY (TWICE WEEKLY) INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PELHAM BAY LANDFILL

	Date / Time	4/9/18		4/12/18	
	Technician	AMD		AMD	
1.	**OPERATING BLOWER**	**No. 1**	**No. 2**	**No. 1**	**No. 2**
A.	Noise or Vibration	No	Yes	No	Yes
B.	Measureable or Odoriferous Gas Leaks	No	Yes	No	Yes
C.	Upstream Vacuum (Inches WC)	16		15	
D.	Inlet Temperature (°F)	40		40	
E.	Discharge Pressure (In. WC)	2.5		2.0	
F.	Discharge Temperature (°F)	90		86	

2.	**BLOWER CONTROL PANEL**	**Blower No. 1**			**Blower No. 2**			**Blower No. 1**			**Blower No. 2**		
A.	Disconnect Switch	ON		OFF	ON		OFF	ON		OFF	ON		OFF
B.	Hour Meter	01547.9			51854.3			01547.9					
C.	Blower Running Light	ON		OFF	ON		OFF	ON		OFF	ON		OFF
D.	Blower Switch	Hand	Off	Auto	Hand	Off	Auto	Hand	Off	Auto	Hand	Off	Auto
E.	Blower 1 or 2 Current Alarm	ON			OFF			ON			OFF		
F.	High Motor Current Alarm	ON			OFF			ON			OFF		
G.	Flow Meter (CFM), Min & Max	1000			100 &1300			1050			100 &1300		
H.	Reset Alarm												

3.	**FLARE CONTROL PANEL**				
A.	Panel Power Switch	ON	OFF	ON	OFF
B.	Panel Power Light	ON	OFF	ON	OFF
C.	Start-Up Sequence Switch	Manual	Auto	Manual	Auto
D.	Local Unit Control Switch	Stop	Start / Run	Stop	Start / Run
E.	Unit Stop				
F.	Security Light	ON	OFF	ON	OFF
G.	Purge Start				
H.	Low Purge Air Flow, Red Light	ON	OFF	ON	OFF
I.	Purging, Blue Light	ON	OFF	ON	OFF
J.	Purge Complete, Amber Light	ON	OFF	ON	OFF
K.	Ignition Start				
L.	Pilot Gas On, Green Light	ON	OFF	ON	OFF
M.	Flame Proved, Green Light	ON	OFF	ON	OFF
N.	Waste Inlet Valve	Close / Open / Auto		Close / Open / Auto	
O.	Waste Gas On, Green Light	ON	OFF	ON	OFF
P.	Flare Reset				
Q.	Waste Gas Blower Failure, Red Light	ON	OFF	ON	OFF
R.	High Flare Temperature, Red Light	ON	OFF	ON	OFF
S.	Flare Failure, Red Light	ON	OFF	ON	OFF

4.	**FLARE**				
A.	Flame Condition	GOOD	N/S	GOOD	N/S
B.	Abnormal Burner Hotspots	YES	NO	YES	NO
C.	Unusual Sounds or Odors	YES	NO	YES	NO
D.	Damper Motor Running	YES	NO	YES	NO
E.	Manual Damper Position	90% CLOSED		90% CLOSED	

5.	**PIPING**				
A.	General Condition	GOOD	N/S	GOOD	N/S
B.	Propane Tank Press. (PSIG)	45 / 60		50 / 70	
C.	Inlet Valve Position	OPEN		OPEN	
D.	LFG Flowrate (CFM)	1210		1305	
E.	Gauges Operational?	YES	NO	YES	NO
F.	Nitrogen Pressure (PSIG)	30/400		130 / 400	

6.	**SITE CONDITION**				
	Vandalism, Cleanliness	GOOD	N/S	GOOD	N/S

FORM LFG-1
WEEKLY (TWICE WEEKLY) INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PELHAM BAY LANDFILL

	Date / Time	4/16/18		4/18/18	
	Technician	AMO		AMO	
1.	**OPERATING BLOWER**	**No. 1**	**No. 2**	**No. 1**	**No. 2**
A.	Noise or Vibration	No	Yes	No	Yes
B.	Measureable or Odoriferous Gas Leaks	No	Yes	No	Yes
C.	Upstream Vacuum (Inches WC)			4	
D.	Inlet Temperature (°F)	*FLARE OFF!		40	
E.	Discharge Pressure (In. WC)			2.5	
F.	Discharge Temperature (°F)			56	

2.	**BLOWER CONTROL PANEL**	**Blower No. 1**		**Blower No. 2**		**Blower No. 1**	**Blower No. 2**
A.	Disconnect Switch	ON / OFF		ON / OFF		ON / OFF	ON / OFF
B.	Hour Meter					53475	54106.2
C.	Blower Running Light	ON / OFF		ON / OFF		ON / OFF	ON / OFF
D.	Blower Switch	Hand / Off / Auto		Hand / Off / Auto		Hand / Off / Auto	Hand / Off / Auto
E.	Blower 1 or 2 Current Alarm	ON		OFF		ON	OFF
F.	High Motor Current Alarm	ON		OFF		ON	OFF
G.	Flow Meter (CFM), Min & Max			100 &1300		1050	100 &1300
H.	Reset Alarm						

3.	**FLARE CONTROL PANEL**				
A.	Panel Power Switch	ON	OFF	ON	OFF
B.	Panel Power Light	ON	OFF	ON	OFF
C.	Start-Up Sequence Switch	Manual	Auto	Manual	Auto
D.	Local Unit Control Switch	Stop	Start / Run	Stop	Start / Run
E.	Unit Stop				
F.	Security Light	ON	OFF	ON	OFF
G.	Purge Start				
H.	Low Purge Air Flow, Red Light	ON	OFF	ON	OFF
I.	Purging, Blue Light	ON	OFF	ON	OFF
J.	Purge Complete, Amber Light	ON	OFF	ON	OFF
K.	Ignition Start				
L.	Pilot Gas On, Green Light	ON	OFF	ON	OFF
M.	Flame Proved, Green Light	ON	OFF	ON	OFF
N.	Waste Inlet Valve	Close / Open / Auto		Close / Open	Auto
O.	Waste Gas On, Green Light	ON	OFF	ON	OFF
P.	Flare Reset				
Q.	Waste Gas Blower Failure, Red Light	ON	OFF	ON	OFF
R.	High Flare Temperature, Red Light	ON	OFF	ON	OFF
S.	Flare Failure, Red Light	ON	OFF	ON	OFF

4.	**FLARE**				
A.	Flame Condition	GOOD	N/S	GOOD	N/S
B.	Abnormal Burner Hotspots	YES	NO	YES	NO
C.	Unusual Sounds or Odors	YES	NO	YES	NO
D.	Damper Motor Running	YES	NO	YES	NO
E.	Manual Damper Position			90% 1050	
5.	**PIPING**				
A.	General Condition	GOOD	N/S	GOOD	N/S
B.	Propane Tank Press. (PSIG)			55/80	
C.	Inlet Valve Position			OPEN	
D.	LFG Flowrate (CFM)			1204	
E.	Gauges Operational?	YES	NO	YES	NO
F.	Nitrogen Pressure (PSIG)			95/900	
6.	**SITE CONDITION**				
	Vandalism, Cleanliness	GOOD	N/S	GOOD	N/S

FORM LFG-1
WEEKLY (TWICE WEEKLY) INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PELHAM BAY LANDFILL

	Date / Time	4/23/18			4/26/18		
	Technician	AMD			AMD		
1.	**OPERATING BLOWER**	**No. 1**	**No. 2**		**No. 1**	**No. 2**	
A.	Noise or Vibration	No	Yes		No	Yes	
B.	Measureable or Odoriferous Gas Leaks	No	Yes		No	Yes	
C.	Upstream Vacuum (Inches WC)	14			16		
D.	Inlet Temperature (°F)	48			52		
E.	Discharge Pressure (In. WC)	2.5			2.5		
F.	Discharge Temperature (°F)	98			102		
2.	**BLOWER CONTROL PANEL**	**Blower No. 1**	**Blower No. 2**		**Blower No. 1**	**Blower No. 2**	
A.	Disconnect Switch	ON OFF	ON OFF		ON OFF	ON OFF	
B.	Hour Meter	01547.9	55687.4		01547.9	57113.0	
C.	Blower Running Light	ON OFF	ON OFF		ON OFF	ON OFF	
D.	Blower Switch	Hand Off Auto	Hand Off Auto		Hand Off Auto	Hand Off Auto	
E.	Blower 1 or 2 Current Alarm	ON	OFF		ON	OFF	
F.	High Motor Current Alarm	ON	OFF		ON	OFF	
G.	Flow Meter (CFM), Min & Max	1200	100 &1300		1050	100 &1300	
H.	Reset Alarm						
3.	**FLARE CONTROL PANEL**						
A.	Panel Power Switch	ON	OFF		ON	OFF	
B.	Panel Power Light	ON	OFF		ON	OFF	
C.	Start-Up Sequence Switch	Manual	Auto		Manual	Auto	
D.	Local Unit Control Switch	Stop	Start / Run		Stop	Start / Run	
E.	Unit Stop						
F.	Security Light	ON	OFF		ON	OFF	
G.	Purge Start						
H.	Low Purge Air Flow, Red Light	ON	OFF		ON	OFF	
I.	Purging, Blue Light	ON	OFF		ON	OFF	
J.	Purge Complete, Amber Light	ON	OFF		ON	OFF	
K.	Ignition Start						
L.	Pilot Gas On, Green Light	ON	OFF		ON	OFF	
M.	Flame Proved, Green Light	ON	OFF		ON	OFF	
N.	Waste Inlet Valve	Close Open Auto			Close Open Auto		
O.	Waste Gas On, Green Light	ON	OFF		ON	OFF	
P.	Flare Reset						
Q.	Waste Gas Blower Failure, Red Light	ON	OFF		ON	OFF	
R.	High Flare Temperature, Red Light	ON	OFF		ON	OFF	
S.	Flare Failure, Red Light	ON	OFF		ON	OFF	
4.	**FLARE**						
A.	Flame Condition	GOOD	N/S		GOOD	N/S	
B.	Abnormal Burner Hotspots	YES	NO		YES	NO	
C.	Unusual Sounds or Odors	YES	NO		YES	NO	
D.	Damper Motor Running	YES	NO		YES	NO	
E.	Manual Damper Position	90% CLOSED			90% CLOSED		
5.	**PIPING**						
A.	General Condition	GOOD	N/S		GOOD	N/S	
B.	Propane Tank Press. (PSIG)	80/120			90/120		
C.	Inlet Valve Position	OPEN			OPEN		
D.	LFG Flowrate (CFM)	1214			1199		
E.	Gauges Operational?	YES	NO		YES	NO	
F.	Nitrogen Pressure (PSIG)	80/1200			60/960		
6.	**SITE CONDITION**						
	Vandalism, Cleanliness	GOOD	N/S		GOOD	N/S	

FORM LFG-1
WEEKLY (TWICE WEEKLY) INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PELHAM BAY LANDFILL

	Date / Time	4/30/18			
	Technician	AMD			
1.	**OPERATING BLOWER**	**No. 1**	**No. 2**	**No. 1**	**No. 2**
A.	Noise or Vibration	No	Yes	No	Yes
B.	Measureable or Odoriferous Gas Leaks	No	Yes	No	Yes
C.	Upstream Vacuum (Inches WC)	16			
D.	Inlet Temperature (°F)	46			
E.	Discharge Pressure (In. WC)	23.5			
F.	Discharge Temperature (°F)	96			

2.	**BLOWER CONTROL PANEL**	**Blower No. 1**			**Blower No. 2**			**Blower No. 1**			**Blower No. 2**		
A.	Disconnect Switch	ON		OFF	ON		OFF	ON		OFF	ON		OFF
B.	Hour Meter	01479			38075.7								
C.	Blower Running Light	ON		OFF	ON		OFF	ON		OFF	ON		OFF
D.	Blower Switch	Hand	Off	Auto	Hand	Off	Auto	Hand	Off	Auto	Hand	Off	Auto
E.	Blower 1 or 2 Current Alarm	ON			OFF			ON			OFF		
F.	High Motor Current Alarm	ON			OFF			ON			OFF		
G.	Flow Meter (CFM), Min & Max	1050			100 &1300						100 &1300		
H.	Reset Alarm												

3.	**FLARE CONTROL PANEL**				
A.	Panel Power Switch	ON	OFF	ON	OFF
B.	Panel Power Light	ON	OFF	ON	OFF
C.	Start-Up Sequence Switch	Manual	Auto	Manual	Auto
D.	Local Unit Control Switch	Stop	Start / Run	Stop	Start / Run
E.	Unit Stop				
F.	Security Light	ON	OFF	ON	OFF
G.	Purge Start				
H.	Low Purge Air Flow, Red Light	ON	OFF	ON	OFF
I.	Purging, Blue Light	ON	OFF	ON	OFF
J.	Purge Complete, Amber Light	ON	OFF	ON	OFF
K.	Ignition Start				
L.	Pilot Gas On, Green Light	ON	OFF	ON	OFF
M.	Flame Proved, Green Light	ON	OFF	ON	OFF
N.	Waste Inlet Valve	Close	Open / Auto	Close	Open / Auto
O.	Waste Gas On, Green Light	ON	OFF	ON	OFF
P.	Flare Reset				
Q.	Waste Gas Blower Failure, Red Light	ON	OFF	ON	OFF
R.	High Flare Temperature, Red Light	ON	OFF	ON	OFF
S.	Flare Failure, Red Light	ON	OFF	ON	OFF

4.	**FLARE**				
A.	Flame Condition	GOOD	N/S	GOOD	N/S
B.	Abnormal Burner Hotspots	YES	NO	YES	NO
C.	Unusual Sounds or Odors	YES	NO	YES	NO
D.	Damper Motor Running	YES	NO	YES	NO
E.	Manual Damper Position	70% (Open)			
5.	**PIPING**				
A.	General Condition	GOOD	N/S	GOOD	N/S
B.	Propane Tank Press. (PSIG)	70 (Approx)			
C.	Inlet Valve Position	OPEN			
D.	LFG Flowrate (CFM)	1293			
E.	Gauges Operational?	YES	NO	YES	NO
F.	Nitrogen Pressure (PSIG)	4000			
6.	**SITE CONDITION**				
	Vandalism, Cleanliness	GOOD	N/S	GOOD	N/S

FORM LFG-1
WEEKLY (TWICE WEEKLY) INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PELHAM BAY LANDFILL

	Date / Time	4/30/18		5/3/18	
	Technician	AMD		AMD	
1.	**OPERATING BLOWER**	**No. 1**	**No. 2**	**No. 1**	**No. 2**
A.	Noise or Vibration	No	Yes	No	Yes
B.	Measureable or Odoriferous Gas Leaks	No	Yes	No	Yes
C.	Upstream Vacuum (Inches WC)	16		16	
D.	Inlet Temperature (°F)	48		60	
E.	Discharge Pressure (In. WC)	2.5		2.0	
F.	Discharge Temperature (°F)	96		110	
2.	**BLOWER CONTROL PANEL**	**Blower No. 1**	**Blower No. 2**	**Blower No. 1**	**Blower No. 2**
A.	Disconnect Switch	ON OFF	ON OFF	ON OFF	ON OFF
B.	Hour Meter	01547	53075.2	01247	53526.8
C.	Blower Running Light	ON OFF	ON OFF	ON OFF	ON OFF
D.	Blower Switch	Hand Off Auto	Hand Off Auto	Hand Off Auto	Hand Off Auto
E.	Blower 1 or 2 Current Alarm	ON	OFF	ON	OFF
F.	High Motor Current Alarm	ON	OFF	ON	OFF
G.	Flow Meter (CFM), Min & Max	1050	*100 &1300*	1000	*100 &1300*
H.	Reset Alarm				
3.	**FLARE CONTROL PANEL**				
A.	Panel Power Switch	ON	OFF	ON	OFF
B.	Panel Power Light	ON	OFF	ON	OFF
C.	Start-Up Sequence Switch	Manual	Auto	Manual	Auto
D.	Local Unit Control Switch	Stop	Start / Run	Stop	Start / Run
E.	Unit Stop				
F.	Security Light	ON	OFF	ON	OFF
G.	Purge Start				
H.	Low Purge Air Flow, Red Light	ON	OFF	ON	OFF
I.	Purging, Blue Light	ON	OFF	ON	OFF
J.	Purge Complete, Amber Light	ON	OFF	ON	OFF
K.	Ignition Start				
L.	Pilot Gas On, Green Light	ON	OFF	ON	OFF
M.	Flame Proved, Green Light	ON	OFF	ON	OFF
N.	Waste Inlet Valve	Close Open Auto		Close Open Auto	
O.	Waste Gas On, Green Light	ON	OFF	ON	OFF
P.	Flare Reset				
Q.	Waste Gas Blower Failure, Red Light	ON	OFF	ON	OFF
R.	High Flare Temperature, Red Light	ON	OFF	ON	OFF
S.	Flare Failure, Red Light	ON	OFF	ON	OFF
4.	**FLARE**				
A.	Flame Condition	GOOD	N/S	GOOD	N/S
B.	Abnormal Burner Hotspots	YES	NO	YES	NO
C.	Unusual Sounds or Odors	YES	NO	YES	NO
D.	Damper Motor Running	YES	NO	YES	NO
E.	Manual Damper Position	70% CLOSED		90% CLOSED	
5.	**PIPING**				
A.	General Condition	GOOD	N/S	GOOD	N/S
B.	Propane Tank Press. (PSIG)	70/100		30/100	
C.	Inlet Valve Position	OPEN		OPEN	
D.	LFG Flowrate (CFM)	1203		1203	
E.	Gauges Operational?	YES	NO	YES	NO
F.	Nitrogen Pressure (PSIG)	40/100		20/250	
6.	**SITE CONDITION**				
	Vandalism, Cleanliness	GOOD	N/S	GOOD	N/S

FORM LFG-1
WEEKLY (TWICE WEEKLY) INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PELHAM BAY LANDFILL

	Date / Time	5/7/15		5/12/15	
	Technician	AMO		AMO	
1.	**OPERATING BLOWER**	**No. 1**	**No. 2**	**No. 1**	**No. 2**
A.	Noise or Vibration	~~No~~	Yes	~~No~~	Yes
B.	Measureable or Odoriferous Gas Leaks	~~No~~	Yes	~~No~~	Yes
C.	Upstream Vacuum (Inches WC)	16		15	
D.	Inlet Temperature (°F)	56		56	
E.	Discharge Pressure (In. WC)	2.5		2.5	
F.	Discharge Temperature (°F)	106		109	
2.	**BLOWER CONTROL PANEL**	**Blower No. 1**	**Blower No. 2**	**Blower No. 1**	**Blower No. 2**
A.	Disconnect Switch	~~ON~~ OFF	~~ON~~ OFF	~~ON~~ OFF	~~ON~~ OFF
B.	Hour Meter	01547.9	60496.5	01547.2	61950.6
C.	Blower Running Light	ON ~~OFF~~	~~ON~~ OFF	ON ~~OFF~~	~~ON~~ OFF
D.	Blower Switch	Hand ~~Off~~ Auto	Hand Off ~~Auto~~	Hand ~~Off~~ Auto	~~Hand~~ Off ~~Auto~~
E.	Blower 1 or 2 Current Alarm	ON	~~OFF~~	ON	~~OFF~~
F.	High Motor Current Alarm	ON	~~OFF~~	ON	~~OFF~~
G.	Flow Meter (CFM), Min & Max	1050	*100 &1300*	1000	*100 &1300*
H.	Reset Alarm				
3.	**FLARE CONTROL PANEL**				
A.	Panel Power Switch	~~ON~~	OFF	~~ON~~	OFF
B.	Panel Power Light	~~ON~~	OFF	~~ON~~	OFF
C.	Start-Up Sequence Switch	Manual	~~Auto~~	Manual	~~Auto~~
D.	Local Unit Control Switch	Stop	~~Start / Run~~	Stop	~~Start / Run~~
E.	Unit Stop				
F.	Security Light	~~ON~~	OFF	~~ON~~	OFF
G.	Purge Start				
H.	Low Purge Air Flow, Red Light	ON	~~OFF~~	ON	~~OFF~~
I.	Purging, Blue Light	ON	~~OFF~~	ON	~~OFF~~
J.	Purge Complete, Amber Light	ON	~~OFF~~	ON	~~OFF~~
K.	Ignition Start				
L.	Pilot Gas On, Green Light	~~ON~~	OFF	~~ON~~	OFF
M.	Flame Proved, Green Light	~~ON~~	OFF	~~ON~~	OFF
N.	Waste Inlet Valve	Close Open ~~Auto~~		Close Open ~~Auto~~	
O.	Waste Gas On, Green Light	~~ON~~	OFF	~~ON~~	OFF
P.	Flare Reset				
Q.	Waste Gas Blower Failure, Red Light	ON	~~OFF~~	ON	~~OFF~~
R.	High Flare Temperature, Red Light	ON	~~OFF~~	ON	~~OFF~~
S.	Flare Failure, Red Light	ON	~~OFF~~	ON	~~OFF~~
4.	**FLARE**				
A.	Flame Condition	~~GOOD~~	N/S	~~GOOD~~	N/S
B.	Abnormal Burner Hotspots	YES	~~NO~~	YES	~~NO~~
C.	Unusual Sounds or Odors	YES	~~NO~~	YES	~~NO~~
D.	Damper Motor Running	~~YES~~	NO	~~YES~~	NO
E.	Manual Damper Position	70% (LOW)		90% (LOW)	
5.	**PIPING**				
A.	General Condition	~~GOOD~~	N/S	~~GOOD~~	N/S
B.	Propane Tank Press. (PSIG)	98/100		85/116	
C.	Inlet Valve Position	OPEN		OPEN	
D.	LFG Flowrate (CFM)	1155		1160	
E.	Gauges Operational?	~~YES~~	NO	~~YES~~	NO
F.	Nitrogen Pressure (PSIG)	150/200		120/300	
6.	**SITE CONDITION**				
	Vandalism, Cleanliness	~~GOOD~~	N/S	~~GOOD~~	N/S

FORM LFG-1
WEEKLY (TWICE WEEKLY) INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PELHAM BAY LANDFILL

	Date / Time	5/11/18		5/17/18	
	Technician	AMO		AMO	
1.	**OPERATING BLOWER**	**No. 1**	**No. 2**	**No. 1**	**No. 2**
A.	Noise or Vibration	~~No~~	Yes	~~No~~	Yes
B.	Measureable or Odoriferous Gas Leaks	~~No~~	Yes	~~No~~	Yes
C.	Upstream Vacuum (Inches WC)	16		15	
D.	Inlet Temperature (°F)	50		53	
E.	Discharge Pressure (In. WC)	20		20	
F.	Discharge Temperature (°F)	102		100	
2.	**BLOWER CONTROL PANEL**	**Blower No. 1**	**Blower No. 2**	**Blower No. 1**	**Blower No. 2**
A.	Disconnect Switch	~~ON~~ OFF	~~ON~~ OFF	~~ON~~ OFF	~~ON~~ OFF
B.	Hour Meter	013479	009161	013479	043672
C.	Blower Running Light	~~ON~~ OFF	~~ON~~ OFF	~~ON~~ OFF	~~ON~~ OFF
D.	Blower Switch	Hand ~~Off~~ Auto	Hand Off ~~Auto~~	Hand ~~Off~~ Auto	Hand Off ~~Auto~~
E.	Blower 1 or 2 Current Alarm	ON	~~OFF~~	ON	~~OFF~~
F.	High Motor Current Alarm	ON	~~OFF~~	ON	~~OFF~~
G.	Flow Meter (CFM), Min & Max	1050	*100 &1300*	1000	*100 &1300*
H.	Reset Alarm				
3.	**FLARE CONTROL PANEL**				
A.	Panel Power Switch	~~ON~~	OFF	~~ON~~	OFF
B.	Panel Power Light	~~ON~~	OFF	~~ON~~	OFF
C.	Start-Up Sequence Switch	Manual	~~Auto~~	Manual	~~Auto~~
D.	Local Unit Control Switch	Stop	~~Start / Run~~	Stop	~~Start / Run~~
E.	Unit Stop				
F.	Security Light	~~ON~~	OFF	~~ON~~	OFF
G.	Purge Start				
H.	Low Purge Air Flow, Red Light	ON	~~OFF~~	ON	~~OFF~~
I.	Purging, Blue Light	ON	~~OFF~~	ON	~~OFF~~
J.	Purge Complete, Amber Light	ON	~~OFF~~	ON	~~OFF~~
K.	Ignition Start				
L.	Pilot Gas On, Green Light	~~ON~~	OFF	~~ON~~	OFF
M.	Flame Proved, Green Light	~~ON~~	OFF	~~ON~~	OFF
N.	Waste Inlet Valve	Close Open ~~Auto~~		Close Open ~~Auto~~	
O.	Waste Gas On, Green Light	~~ON~~	OFF	~~ON~~	OFF
P.	Flare Reset				
Q.	Waste Gas Blower Failure, Red Light	ON	~~OFF~~	ON	~~OFF~~
R.	High Flare Temperature, Red Light	ON	~~OFF~~	ON	~~OFF~~
S.	Flare Failure, Red Light	ON	~~OFF~~	ON	~~OFF~~
4.	**FLARE**				
A.	Flame Condition	~~GOOD~~	N/S	~~GOOD~~	N/S
B.	Abnormal Burner Hotspots	YES	~~NO~~	YES	~~NO~~
C.	Unusual Sounds or Odors	YES	~~NO~~	YES	~~NO~~
D.	Damper Motor Running	~~YES~~	NO	~~YES~~	NO
E.	Manual Damper Position	40% (OPEN)		90% (CLOSED)	
5.	**PIPING**				
A.	General Condition	~~GOOD~~	N/S	~~GOOD~~	N/S
B.	Propane Tank Press. (PSIG)	50/90		60/90	
C.	Inlet Valve Position	OPEN		OPEN	
D.	LFG Flowrate (CFM)	1170		1172	
E.	Gauges Operational?	~~YES~~	NO	~~YES~~	NO
F.	Nitrogen Pressure (PSIG)	1001500		85/1200	
6.	**SITE CONDITION**				
	Vandalism, Cleanliness	~~GOOD~~	N/S	~~GOOD~~	N/S

FORM LFG-1
WEEKLY (TWICE WEEKLY) INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PELHAM BAY LANDFILL

	Date / Time	5/21/18		5/24/18	
	Technician	AM		JMS	
1.	**OPERATING BLOWER**	**No. 1**	**No. 2**	**No. 1**	**No. 2**
A.	Noise or Vibration	~~No~~	Yes	~~No~~	Yes
B.	Measureable or Odoriferous Gas Leaks	~~No~~	Yes	~~No~~	Yes
C.	Upstream Vacuum (Inches WC)	16		16	
D.	Inlet Temperature (°F)	60		64	
E.	Discharge Pressure (In. WC)	2-5		2-5	
F.	Discharge Temperature (°F)	112		112	
2.	**BLOWER CONTROL PANEL**	**Blower No. 1**	**Blower No. 2**	**Blower No. 1**	**Blower No. 2**
A.	Disconnect Switch	~~ON~~ OFF	~~ON~~ OFF	~~ON~~ OFF	~~ON~~ OFF
B.	Hour Meter	01347.1	65337.2	01347.9	66792.2
C.	Blower Running Light	ON ~~OFF~~	~~ON~~ OFF	ON ~~OFF~~	~~ON~~ OFF
D.	Blower Switch	Hand ~~Off~~ Auto	Hand Off ~~Auto~~	Hand ~~Off~~ Auto	Hand Off ~~Auto~~
E.	Blower 1 or 2 Current Alarm	ON	~~OFF~~	ON	~~OFF~~
F.	High Motor Current Alarm	ON	~~OFF~~	ON	~~OFF~~
G.	Flow Meter (CFM), Min & Max	1050	*100 &1300*	1000	*100 &1300*
H.	Reset Alarm				
3.	**FLARE CONTROL PANEL**				
A.	Panel Power Switch	~~ON~~	OFF	~~ON~~	OFF
B.	Panel Power Light	~~ON~~	OFF	~~ON~~	OFF
C.	Start-Up Sequence Switch	Manual	~~Auto~~	Manual	~~Auto~~
D.	Local Unit Control Switch	Stop	~~Start / Run~~	Stop	~~Start / Run~~
E.	Unit Stop				
F.	Security Light	~~ON~~	OFF	~~ON~~	OFF
G.	Purge Start				
H.	Low Purge Air Flow, Red Light	ON	~~OFF~~	ON	~~OFF~~
I.	Purging, Blue Light	ON	~~OFF~~	ON	~~OFF~~
J.	Purge Complete, Amber Light	ON	~~OFF~~	ON	~~OFF~~
K.	Ignition Start				
L.	Pilot Gas On, Green Light	~~ON~~	OFF	~~ON~~	OFF
M.	Flame Proved, Green Light	~~ON~~	OFF	~~ON~~	OFF
N.	Waste Inlet Valve	Close Open ~~Auto~~		Close Open ~~Auto~~	
O.	Waste Gas On, Green Light	~~ON~~	OFF	~~ON~~	OFF
P.	Flare Reset				
Q.	Waste Gas Blower Failure, Red Light	ON	~~OFF~~	ON	~~OFF~~
R.	High Flare Temperature, Red Light	ON	~~OFF~~	ON	~~OFF~~
S.	Flare Failure, Red Light	ON	~~OFF~~	ON	~~OFF~~
4.	**FLARE**				
A.	Flame Condition	~~GOOD~~	N/S	~~GOOD~~	N/S
B.	Abnormal Burner Hotspots	YES	~~NO~~	YES	~~NO~~
C.	Unusual Sounds or Odors	YES	~~NO~~	YES	~~NO~~
D.	Damper Motor Running	~~YES~~	NO	~~YES~~	NO
E.	Manual Damper Position	40% CLOSED		40% CLOSED	
5.	**PIPING**				
A.	General Condition	~~GOOD~~	N/S	~~GOOD~~	N/S
B.	Propane Tank Press. (PSIG)	100/120		100/90	
C.	Inlet Valve Position	OPEN		OPEN	
D.	LFG Flowrate (CFM)	1253		1176	
E.	Gauges Operational?	~~YES~~	NO	~~YES~~	NO
F.	Nitrogen Pressure (PSIG)	65/100		50/100	
6.	**SITE CONDITION**				
	Vandalism, Cleanliness	~~GOOD~~	N/S	~~GOOD~~	N/S

FORM LFG-1
WEEKLY (TWICE WEEKLY) INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PELHAM BAY LANDFILL

	Date / Time	5/29/18		5/31/18	
	Technician	AMD		AMD	
1.	**OPERATING BLOWER**	**No. 1**	**No. 2**	**No. 1**	**No. 2**
A.	Noise or Vibration	No	Yes	No	Yes
B.	Measureable or Odoriferous Gas Leaks	No	Yes	No	Yes
C.	Upstream Vacuum (Inches WC)	16		15	
D.	Inlet Temperature (°F)	64		60	
E.	Discharge Pressure (In. WC)	2.5		2.5	
F.	Discharge Temperature (°F)	118		108	
2.	**BLOWER CONTROL PANEL**	**Blower No. 1**	**Blower No. 2**	**Blower No. 1**	**Blower No. 2**
A.	Disconnect Switch	ON / OFF	ON / OFF	ON / OFF	ON / OFF
B.	Hour Meter	01347.2	677164.7	01347.2	656715.8
C.	Blower Running Light	ON / OFF	ON / OFF	ON / OFF	ON / OFF
D.	Blower Switch	Hand / Off / Auto	Hand / Off / Auto	Hand / Off / Auto	Hand / Off / Auto
E.	Blower 1 or 2 Current Alarm	ON	OFF	ON	OFF
F.	High Motor Current Alarm	ON	OFF	ON	OFF
G.	Flow Meter (CFM), Min & Max	1050	*100 &1300*	1000	*100 &1300*
H.	Reset Alarm				
3.	**FLARE CONTROL PANEL**				
A.	Panel Power Switch	ON	OFF	ON	OFF
B.	Panel Power Light	ON	OFF	ON	OFF
C.	Start-Up Sequence Switch	Manual	Auto	Manual	Auto
D.	Local Unit Control Switch	Stop	Start / Run	Stop	Start / Run
E.	Unit Stop				
F.	Security Light	ON	OFF	ON	OFF
G.	Purge Start				
H.	Low Purge Air Flow, Red Light	ON	OFF	ON	OFF
I.	Purging, Blue Light	ON	OFF	ON	OFF
J.	Purge Complete, Amber Light	ON	OFF	ON	OFF
K.	Ignition Start				
L.	Pilot Gas On, Green Light	ON	OFF	ON	OFF
M.	Flame Proved, Green Light	ON	OFF	ON	OFF
N.	Waste Inlet Valve	Close / Open / Auto		Close / Open / Auto	
O.	Waste Gas On, Green Light	ON	OFF	ON	OFF
P.	Flare Reset				
Q.	Waste Gas Blower Failure, Red Light	ON	OFF	ON	OFF
R.	High Flare Temperature, Red Light	ON	OFF	ON	OFF
S.	Flare Failure, Red Light	ON	OFF	ON	OFF
4.	**FLARE**				
A.	Flame Condition	GOOD	N/S	GOOD	N/S
B.	Abnormal Burner Hotspots	YES	NO	YES	NO
C.	Unusual Sounds or Odors	YES	NO	YES	NO
D.	Damper Motor Running	YES	NO	YES	NO
E.	Manual Damper Position	90% CLOSED		90% CLOSED	
5.	**PIPING**				
A.	General Condition	GOOD	N/S	GOOD	N/S
B.	Propane Tank Press. (PSIG)	100/120		90/110	
C.	Inlet Valve Position	OPEN		OPEN	
D.	LFG Flowrate (CFM)	1198		1180	
E.	Gauges Operational?	YES	NO	YES	NO
F.	Nitrogen Pressure (PSIG)	20/100		50/100	
6.	**SITE CONDITION**				
	Vandalism, Cleanliness	GOOD	N/S	GOOD	N/S

FORM LFG-1
WEEKLY (TWICE WEEKLY) INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PELHAM BAY LANDFILL

	Date / Time	6/4/18		6/7/18	
	Technician	AMD		AMD	
1.	**OPERATING BLOWER**	**No. 1**	**No. 2**	**No. 1**	**No. 2**
A.	Noise or Vibration	~~NO~~	Yes	~~NO~~	Yes
B.	Measureable or Odoriferous Gas Leaks	~~NO~~	Yes	~~NO~~	Yes
C.	Upstream Vacuum (Inches WC)	16		16	
D.	Inlet Temperature (°F)	56		58	
E.	Discharge Pressure (In. WC)	2.5		2.5	
F.	Discharge Temperature (°F)	114		107	
2.	**BLOWER CONTROL PANEL**	**Blower No. 1**	**Blower No. 2**	**Blower No. 1**	**Blower No. 2**
A.	Disconnect Switch	~~ON~~ OFF	~~ON~~ OFF	~~ON~~ OFF	~~ON~~ OFF
B.	Hour Meter	01347.9	69677.6	01347.9	71143.9
C.	Blower Running Light	ON ~~OFF~~	~~ON~~ OFF	ON ~~OFF~~	~~ON~~ OFF
D.	Blower Switch	Hand ~~Off~~ Auto	Hand Off ~~Auto~~	Hand Off Auto	Hand Off ~~Auto~~
E.	Blower 1 or 2 Current Alarm	ON	~~OFF~~	ON	~~OFF~~
F.	High Motor Current Alarm	ON	~~OFF~~	ON	~~OFF~~
G.	Flow Meter (CFM), Min & Max	1050	100 &1300	1000	100 &1300
H.	Reset Alarm				
3.	**FLARE CONTROL PANEL**				
A.	Panel Power Switch	~~ON~~	OFF	~~ON~~	OFF
B.	Panel Power Light	~~ON~~	OFF	~~ON~~	OFF
C.	Start-Up Sequence Switch	Manual	~~Auto~~	Manual	~~Auto~~
D.	Local Unit Control Switch	Stop	Start / Run	Stop	Start / Run
E.	Unit Stop				
F.	Security Light	~~ON~~	OFF	~~ON~~	OFF
G.	Purge Start				
H.	Low Purge Air Flow, Red Light	ON	~~OFF~~	ON	~~OFF~~
I.	Purging, Blue Light	ON	~~OFF~~	ON	~~OFF~~
J.	Purge Complete, Amber Light	ON	~~OFF~~	ON	~~OFF~~
K.	Ignition Start				
L.	Pilot Gas On, Green Light	~~ON~~	OFF	~~ON~~	OFF
M.	Flame Proved, Green Light	~~ON~~	OFF	~~ON~~	OFF
N.	Waste Inlet Valve	Close Open ~~Auto~~		Close Open ~~Auto~~	
O.	Waste Gas On, Green Light	~~ON~~	OFF	~~ON~~	OFF
P.	Flare Reset				
Q.	Waste Gas Blower Failure, Red Light	ON	~~OFF~~	ON	~~OFF~~
R.	High Flare Temperature, Red Light	ON	~~OFF~~	ON	~~OFF~~
S.	Flare Failure, Red Light	ON	~~OFF~~	ON	~~OFF~~
4.	**FLARE**				
A.	Flame Condition	~~GOOD~~	N/S	~~GOOD~~	N/S
B.	Abnormal Burner Hotspots	YES	~~NO~~	YES	~~NO~~
C.	Unusual Sounds or Odors	YES	~~NO~~	YES	~~NO~~
D.	Damper Motor Running	~~YES~~	NO	~~YES~~	NO
E.	Manual Damper Position	90% CLOSED		90% CLOSED	
5.	**PIPING**				
A.	General Condition	~~GOOD~~	N/S	~~GOOD~~	N/S
B.	Propane Tank Press. (PSIG)	65/90		70/100	
C.	Inlet Valve Position	OPEN		OPEN	
D.	LFG Flowrate (CFM)	1151		1172	
E.	Gauges Operational?	~~YES~~	NO	~~YES~~	NO
F.	Nitrogen Pressure (PSIG)	105/1600		90/1300	
6.	**SITE CONDITION**				
	Vandalism, Cleanliness	~~GOOD~~	N/S	~~GOOD~~	N/S

FORM LFG-1
WEEKLY (TWICE WEEKLY) INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PELHAM BAY LANDFILL

	Date / Time	6/11/18		6/14/18	
	Technician	AMO		AMO	
1.	**OPERATING BLOWER**	**No. 1**	**No. 2**	**No. 1**	**No. 2**
A.	Noise or Vibration	~~No~~	Yes	~~No~~	Yes
B.	Measureable or Odoriferous Gas Leaks	~~No~~	Yes	~~No~~	Yes
C.	Upstream Vacuum (Inches WC)	16		15	
D.	Inlet Temperature (°F)	60		74	
E.	Discharge Pressure (In. WC)	2.5		2.5	
F.	Discharge Temperature (°F)	103		116	
2.	**BLOWER CONTROL PANEL**	**Blower No. 1**	**Blower No. 2**	**Blower No. 1**	**Blower No. 2**
A.	Disconnect Switch	~~ON~~ OFF	~~ON~~ OFF	~~ON~~ OFF	ON ~~OFF~~
B.	Hour Meter	013479	72104.2	(3479)	73557.1
C.	Blower Running Light	ON ~~OFF~~	~~ON~~ OFF	ON ~~OFF~~	~~ON~~ OFF
D.	Blower Switch	Hand ~~Off~~ Auto	Hand Off ~~Auto~~	Hand ~~Off~~ Auto	Hand Off ~~Auto~~
E.	Blower 1 or 2 Current Alarm	ON	~~OFF~~	ON	~~OFF~~
F.	High Motor Current Alarm	ON	~~OFF~~	ON	~~OFF~~
G.	Flow Meter (CFM), Min & Max	1000	*100 &1300*	1050	*100 &1300*
H.	Reset Alarm				
3.	**FLARE CONTROL PANEL**				
A.	Panel Power Switch	~~ON~~	OFF	~~ON~~	OFF
B.	Panel Power Light	~~ON~~	OFF	~~ON~~	OFF
C.	Start-Up Sequence Switch	Manual	~~Auto~~	Manual	~~Auto~~
D.	Local Unit Control Switch	Stop	Start / Run	Stop	Start / Run
E.	Unit Stop				
F.	Security Light	~~ON~~	OFF	~~ON~~	OFF
G.	Purge Start				
H.	Low Purge Air Flow, Red Light	ON	~~OFF~~	ON	~~OFF~~
I.	Purging, Blue Light	ON	~~OFF~~	ON	~~OFF~~
J.	Purge Complete, Amber Light	ON	~~OFF~~	ON	~~OFF~~
K.	Ignition Start				
L.	Pilot Gas On, Green Light	~~ON~~	OFF	~~ON~~	OFF
M.	Flame Proved, Green Light	~~ON~~	OFF	~~ON~~	OFF
N.	Waste Inlet Valve	Close Open ~~Auto~~		Close Open ~~Auto~~	
O.	Waste Gas On, Green Light	~~ON~~	OFF	~~ON~~	OFF
P.	Flare Reset				
Q.	Waste Gas Blower Failure, Red Light	ON	~~OFF~~	ON	~~OFF~~
R.	High Flare Temperature, Red Light	ON	~~OFF~~	ON	~~OFF~~
S.	Flare Failure, Red Light	ON	~~OFF~~	ON	~~OFF~~
4.	**FLARE**				
A.	Flame Condition	~~GOOD~~	N/S	~~GOOD~~	N/S
B.	Abnormal Burner Hotspots	YES	~~NO~~	YES	~~NO~~
C.	Unusual Sounds or Odors	YES	~~NO~~	YES	~~NO~~
D.	Damper Motor Running	~~YES~~	NO	~~YES~~	NO
E.	Manual Damper Position	90° (60%)		90° (60%)	
5.	**PIPING**				
A.	General Condition	~~GOOD~~	N/S	~~GOOD~~	N/S
B.	Propane Tank Press. (PSIG)	70/100		60/100	
C.	Inlet Valve Position	OPEN		OPEN	
D.	LFG Flowrate (CFM)	1146		1165	
E.	Gauges Operational?	~~YES~~	NO	~~YES~~	NO
F.	Nitrogen Pressure (PSIG)	70/100		50/100	
6.	**SITE CONDITION**				
	Vandalism, Cleanliness	~~GOOD~~	N/S	~~GOOD~~	N/S

FORM LFG-1
WEEKLY (TWICE WEEKLY) INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PELHAM BAY LANDFILL

	Date / Time	6/19/18		6/21/18	
	Technician	AMD		AMD	
1.	**OPERATING BLOWER**	**No. 1**	**No. 2**	**No. 1**	**No. 2**
A.	Noise or Vibration	~~No~~	Yes	~~No~~	Yes
B.	Measureable or Odoriferous Gas Leaks	~~No~~	Yes	~~No~~	Yes
C.	Upstream Vacuum (Inches WC)	17		16	
D.	Inlet Temperature (°F)	70		69	
E.	Discharge Pressure (In. WC)	2.5		2.5	
F.	Discharge Temperature (°F)	124		114	
2.	**BLOWER CONTROL PANEL**	**Blower No. 1**	**Blower No. 2**	**Blower No. 1**	**Blower No. 2**
A.	Disconnect Switch	~~ON~~ / OFF	~~ON~~ / OFF	~~ON~~ / OFF	~~ON~~ / OFF
B.	Hour Meter	61347.9	74491.2	61347.9	73922.1
C.	Blower Running Light	ON / ~~OFF~~	~~ON~~ / OFF	ON / ~~OFF~~	~~ON~~ / OFF
D.	Blower Switch	Hand / ~~Off~~ / Auto	Hand / Off / ~~Auto~~	Hand / ~~Off~~ / Auto	Hand / Off / ~~Auto~~
E.	Blower 1 or 2 Current Alarm	ON	~~OFF~~	ON	~~OFF~~
F.	High Motor Current Alarm	ON	~~OFF~~	ON	~~OFF~~
G.	Flow Meter (CFM), Min & Max	1050	*100 &1300*	1000	*100 &1300*
H.	Reset Alarm				
3.	**FLARE CONTROL PANEL**				
A.	Panel Power Switch	~~ON~~	OFF	~~ON~~	OFF
B.	Panel Power Light	~~ON~~	OFF	~~ON~~	OFF
C.	Start-Up Sequence Switch	Manual	~~Auto~~	Manual	~~Auto~~
D.	Local Unit Control Switch	Stop	Start / Run	Stop	Start / Run
E.	Unit Stop				
F.	Security Light	~~ON~~	OFF	~~ON~~	OFF
G.	Purge Start				
H.	Low Purge Air Flow, Red Light	ON	~~OFF~~	ON	~~OFF~~
I.	Purging, Blue Light	ON	~~OFF~~	ON	~~OFF~~
J.	Purge Complete, Amber Light	ON	~~OFF~~	ON	~~OFF~~
K.	Ignition Start				
L.	Pilot Gas On, Green Light	~~ON~~	OFF	~~ON~~	OFF
M.	Flame Proved, Green Light	~~ON~~	OFF	~~ON~~	OFF
N.	Waste Inlet Valve	Close / Open / ~~Auto~~		Close / Open / ~~Auto~~	
O.	Waste Gas On, Green Light	~~ON~~	OFF	~~ON~~	OFF
P.	Flare Reset				
Q.	Waste Gas Blower Failure, Red Light	ON	~~OFF~~	ON	~~OFF~~
R.	High Flare Temperature, Red Light	ON	~~OFF~~	ON	~~OFF~~
S.	Flare Failure, Red Light	ON	~~OFF~~	ON	~~OFF~~
4.	**FLARE**				
A.	Flame Condition	~~GOOD~~	N/S	~~GOOD~~	N/S
B.	Abnormal Burner Hotspots	YES	~~NO~~	YES	~~NO~~
C.	Unusual Sounds or Odors	YES	~~NO~~	YES	~~NO~~
D.	Damper Motor Running	~~YES~~	NO	~~YES~~	NO
E.	Manual Damper Position	90% CLOSED		90% CLOSED	
5.	**PIPING**				
A.	General Condition	~~GOOD~~	N/S	~~GOOD~~	N/S
B.	Propane Tank Press. (PSIG)	120/120		120/120	
C.	Inlet Valve Position	OPEN		OPEN	
D.	LFG Flowrate (CFM)	1192		1150	
E.	Gauges Operational?	~~YES~~	NO	~~YES~~	NO
F.	Nitrogen Pressure (PSIG)	25/250		10/50	
6.	**SITE CONDITION**				
	Vandalism, Cleanliness	~~GOOD~~	N/S	~~GOOD~~	N/S

FORM LFG-1
WEEKLY (TWICE WEEKLY) INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PELHAM BAY LANDFILL

	Date / Time	7/2/18		7/5/18	
	Technician	AMD		AMD	
1.	**OPERATING BLOWER**	**No. 1**	**No. 2**	**No. 1**	**No. 2**
A.	Noise or Vibration	No	Yes	No	Yes
B.	Measureable or Odoriferous Gas Leaks	No	Yes	No	Yes
C.	Upstream Vacuum (Inches WC)	16		15	
D.	Inlet Temperature (°F)	80		78	
E.	Discharge Pressure (In. WC)	2.5		2.5	
F.	Discharge Temperature (°F)	128		126	
2.	**BLOWER CONTROL PANEL**	**Blower No. 1**	**Blower No. 2**	**Blower No. 1**	**Blower No. 2**
A.	Disconnect Switch	ON / OFF	ON / OFF	ON / OFF	ON / OFF
B.	Hour Meter	01347.9	79295.2	01347.9	80385.7
C.	Blower Running Light	ON / OFF	ON / OFF	ON / OFF	ON / OFF
D.	Blower Switch	Hand / Off / Auto	Hand / Off / Auto	Hand / Off / Auto	Hand / Off / Auto
E.	Blower 1 or 2 Current Alarm	ON	OFF	ON	OFF
F.	High Motor Current Alarm	ON	OFF	ON	OFF
G.	Flow Meter (CFM), Min & Max	1000	100 &1300	1050	100 &1300
H.	Reset Alarm				
3.	**FLARE CONTROL PANEL**				
A.	Panel Power Switch	ON	OFF	ON	OFF
B.	Panel Power Light	ON	OFF	ON	OFF
C.	Start-Up Sequence Switch	Manual	Auto	Manual	Auto
D.	Local Unit Control Switch	Stop	Start / Run	Stop	Start / Run
E.	Unit Stop				
F.	Security Light	ON	OFF	ON	OFF
G.	Purge Start				
H.	Low Purge Air Flow, Red Light	ON	OFF	ON	OFF
I.	Purging, Blue Light	ON	OFF	ON	OFF
J.	Purge Complete, Amber Light	ON	OFF	ON	OFF
K.	Ignition Start				
L.	Pilot Gas On, Green Light	ON	OFF	ON	OFF
M.	Flame Proved, Green Light	ON	OFF	ON	OFF
N.	Waste Inlet Valve	Close / Open / Auto		Close / Open / Auto	
O.	Waste Gas On, Green Light	ON	OFF	ON	OFF
P.	Flare Reset				
Q.	Waste Gas Blower Failure, Red Light	ON	OFF	ON	OFF
R.	High Flare Temperature, Red Light	ON	OFF	ON	OFF
S.	Flare Failure, Red Light	ON	OFF	ON	OFF
4.	**FLARE**				
A.	Flame Condition	GOOD	N/S	GOOD	N/S
B.	Abnormal Burner Hotspots	YES	NO	YES	NO
C.	Unusual Sounds or Odors	YES	NO	YES	NO
D.	Damper Motor Running	YES	NO	YES	NO
E.	Manual Damper Position	90% CLOSED		90% CLOSED	
5.	**PIPING**				
A.	General Condition	GOOD	N/S	GOOD	N/S
B.	Propane Tank Press. (PSIG)	120/150		150/180	
C.	Inlet Valve Position	OPEN		OPEN	
D.	LFG Flowrate (CFM)	1214		1218	
E.	Gauges Operational?	YES	NO	YES	NO
F.	Nitrogen Pressure (PSIG)	70/1000		50/100	
6.	**SITE CONDITION**				
	Vandalism, Cleanliness	GOOD	N/S	GOOD	N/S

FORM LFG-1
WEEKLY (TWICE WEEKLY) INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PELHAM BAY LANDFILL

	Date / Time	7/9/18		7/12/18	
	Technician	AMD		AMD	
1.	**OPERATING BLOWER**	**No. 1**	**No. 2**	**No. 1**	**No. 2**
A.	Noise or Vibration	~~No~~	Yes	~~No~~	Yes
B.	Measureable or Odoriferous Gas Leaks	~~No~~	Yes	~~No~~	Yes
C.	Upstream Vacuum (Inches WC)	16		15	
D.	Inlet Temperature (°F)	72		70	
E.	Discharge Pressure (In. WC)	2.5		2.5	
F.	Discharge Temperature (°F)	125		120	
2.	**BLOWER CONTROL PANEL**	**Blower No. 1**	**Blower No. 2**	**Blower No. 1**	**Blower No. 2**
A.	Disconnect Switch	~~ON~~ OFF	~~ON~~ OFF	ON OFF	ON OFF
B.	Hour Meter	81547.2	81085.5	81369.9	82569.0
C.	Blower Running Light	ON ~~OFF~~	~~ON~~ OFF	~~ON~~ OFF	~~ON~~ OFF
D.	Blower Switch	Hand ~~Off~~ Auto	Hand Off ~~Auto~~	Hand ~~Off~~ Auto	Hand Off ~~Auto~~
E.	Blower 1 or 2 Current Alarm	ON	~~OFF~~	ON	~~OFF~~
F.	High Motor Current Alarm	ON	~~OFF~~	ON	~~OFF~~
G.	Flow Meter (CFM), Min & Max	1050	*100 &1300*	1000	*100 &1300*
H.	Reset Alarm				
3.	**FLARE CONTROL PANEL**				
A.	Panel Power Switch	~~ON~~	OFF	~~ON~~	OFF
B.	Panel Power Light	~~ON~~	OFF	~~ON~~	OFF
C.	Start-Up Sequence Switch	Manual	~~Auto~~	Manual	~~Auto~~
D.	Local Unit Control Switch	Stop	Start / Run	Stop	Start / Run
E.	Unit Stop				
F.	Security Light	~~ON~~	OFF	~~ON~~	OFF
G.	Purge Start				
H.	Low Purge Air Flow, Red Light	ON	~~OFF~~	ON	~~OFF~~
I.	Purging, Blue Light	ON	~~OFF~~	ON	~~OFF~~
J.	Purge Complete, Amber Light	ON	~~OFF~~	ON	~~OFF~~
K.	Ignition Start				
L.	Pilot Gas On, Green Light	~~ON~~	OFF	~~ON~~	OFF
M.	Flame Proved, Green Light	~~ON~~	OFF	~~ON~~	OFF
N.	Waste Inlet Valve	Close Open ~~Auto~~		Close Open ~~Auto~~	
O.	Waste Gas On, Green Light	~~ON~~	OFF	~~ON~~	OFF
P.	Flare Reset				
Q.	Waste Gas Blower Failure, Red Light	ON	~~OFF~~	ON	~~OFF~~
R.	High Flare Temperature, Red Light	ON	~~OFF~~	ON	~~OFF~~
S.	Flare Failure, Red Light	ON	~~OFF~~	ON	~~OFF~~
4.	**FLARE**				
A.	Flame Condition	~~GOOD~~	N/S	~~GOOD~~	N/S
B.	Abnormal Burner Hotspots	~~YES~~	~~NO~~	~~YES~~	~~NO~~
C.	Unusual Sounds or Odors	YES	~~NO~~	YES	~~NO~~
D.	Damper Motor Running	~~YES~~	NO	~~YES~~	NO
E.	Manual Damper Position	90% closed		90% closed	
5.	**PIPING**				
A.	General Condition	~~GOOD~~	N/S	~~GOOD~~	N/S
B.	Propane Tank Press. (PSIG)	126/160		140/150	
C.	Inlet Valve Position	OPEN		OPEN	
D.	LFG Flowrate (CFM)	1215		1182	
E.	Gauges Operational?	~~YES~~	NO	~~YES~~	NO
F.	Nitrogen Pressure (PSIG)	30/500		15/100	
6.	**SITE CONDITION**				
	Vandalism, Cleanliness	~~GOOD~~	N/S	~~GOOD~~	N/S

FORM LFG-1
WEEKLY (TWICE WEEKLY) INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PELHAM BAY LANDFILL

	Date / Time	7/16/18		7/19/18	
	Technician	AMD		AMD	
1.	**OPERATING BLOWER**	**No. 1**	**No. 2**	**No. 1**	**No. 2**
A.	Noise or Vibration	No	Yes	No	Yes
B.	Measureable or Odoriferous Gas Leaks	No	Yes	No	Yes
C.	Upstream Vacuum (Inches WC)	17		18	
D.	Inlet Temperature (°F)	70		72	
E.	Discharge Pressure (In. WC)	2.5		2.0	
F.	Discharge Temperature (°F)	122		126	
2.	**BLOWER CONTROL PANEL**	**Blower No. 1**	**Blower No. 2**	**Blower No. 1**	**Blower No. 2**
A.	Disconnect Switch	ON OFF	ON OFF	ON OFF	ON OFF
B.	Hour Meter	01347.9	33612.5	01347.9	34909.9
C.	Blower Running Light	ON OFF	ON OFF	ON OFF	ON OFF
D.	Blower Switch	Hand Off Auto	Hand Off Auto	Hand Off Auto	Hand Off Auto
E.	Blower 1 or 2 Current Alarm	ON	OFF	ON	OFF
F.	High Motor Current Alarm	ON	OFF	ON	OFF
G.	Flow Meter (CFM), Min & Max	1050	100 &1300	1050	100 &1300
H.	Reset Alarm				
3.	**FLARE CONTROL PANEL**				
A.	Panel Power Switch	ON	OFF	ON	OFF
B.	Panel Power Light	ON	OFF	ON	OFF
C.	Start-Up Sequence Switch	Manual	Auto	Manual	Auto
D.	Local Unit Control Switch	Stop	Start / Run	Stop	Start / Run
E.	Unit Stop				
F.	Security Light	ON	OFF	ON	OFF
G.	Purge Start				
H.	Low Purge Air Flow, Red Light	ON	OFF	ON	OFF
I.	Purging, Blue Light	ON	OFF	ON	OFF
J.	Purge Complete, Amber Light	ON	OFF	ON	OFF
K.	Ignition Start				
L.	Pilot Gas On, Green Light	ON	OFF	ON	OFF
M.	Flame Proved, Green Light	ON	OFF	ON	OFF
N.	Waste Inlet Valve	Close Open Auto		Close Open Auto	
O.	Waste Gas On, Green Light	ON	OFF	ON	OFF
P.	Flare Reset				
Q.	Waste Gas Blower Failure, Red Light	ON	OFF	ON	OFF
R.	High Flare Temperature, Red Light	ON	OFF	ON	OFF
S.	Flare Failure, Red Light	ON	OFF	ON	OFF
4.	**FLARE**				
A.	Flame Condition	GOOD	N/S	GOOD	N/S
B.	Abnormal Burner Hotspots	YES	NO	YES	NO
C.	Unusual Sounds or Odors	YES	NO	YES	NO
D.	Damper Motor Running	YES	NO	YES	NO
E.	Manual Damper Position	90% CLOSED		90% CLOSED	
5.	**PIPING**				
A.	General Condition	GOOD	N/S	GOOD	N/S
B.	Propane Tank Press. (PSIG)	100 | 150		110 | 160	
C.	Inlet Valve Position	OPEN		OPEN	
D.	LFG Flowrate (CFM)	1225		1178	
E.	Gauges Operational?	YES	NO	YES	NO
F.	Nitrogen Pressure (PSIG)	150 | 200		100 | 150	
6.	**SITE CONDITION**				
	Vandalism, Cleanliness	GOOD	N/S	GOOD	N/S

FORM LFG-1
WEEKLY (TWICE WEEKLY) INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PELHAM BAY LANDFILL

	Date / Time	7/25/18		7/26/18	
	Technician	AMD		AMD	
1.	**OPERATING BLOWER**	**No. 1**	**No. 2**	**No. 1**	**No. 2**
A.	Noise or Vibration	No	Yes	No	Yes
B.	Measureable or Odoriferous Gas Leaks	No	Yes	No	Yes
C.	Upstream Vacuum (Inches WC)	18		17	
D.	Inlet Temperature (°F)	66		68	
E.	Discharge Pressure (In. WC)	2.5		2.5	
F.	Discharge Temperature (°F)	103		122	

2.	**BLOWER CONTROL PANEL**	**Blower No. 1**			**Blower No. 2**			**Blower No. 1**			**Blower No. 2**		
A.	Disconnect Switch	ON		OFF	ON		OFF	ON		OFF	ON		OFF
B.	Hour Meter	01347.3			85865.1			01347.3			87285.4		
C.	Blower Running Light	ON		OFF	ON		OFF	ON		OFF	ON		OFF
D.	Blower Switch	Hand	Off	Auto	Hand	Off	Auto	Hand	Off	Auto	Hand	Off	Auto
E.	Blower 1 or 2 Current Alarm	ON			OFF			ON			OFF		
F.	High Motor Current Alarm	ON			OFF			ON			OFF		
G.	Flow Meter (CFM), Min & Max	1050			100 &1300			1206			100 &1300		
H.	Reset Alarm												

3.	**FLARE CONTROL PANEL**				
A.	Panel Power Switch	ON	OFF	ON	OFF
B.	Panel Power Light	ON	OFF	ON	OFF
C.	Start-Up Sequence Switch	Manual	Auto	Manual	Auto
D.	Local Unit Control Switch	Stop	Start / Run	Stop	Start / Run
E.	Unit Stop				
F.	Security Light	ON	OFF	ON	OFF
G.	Purge Start				
H.	Low Purge Air Flow, Red Light	ON	OFF	ON	OFF
I.	Purging, Blue Light	ON	OFF	ON	OFF
J.	Purge Complete, Amber Light	ON	OFF	ON	OFF
K.	Ignition Start				
L.	Pilot Gas On, Green Light	ON	OFF	ON	OFF
M.	Flame Proved, Green Light	ON	OFF	ON	OFF
N.	Waste Inlet Valve	Close / Open / Auto		Close / Open / Auto	
O.	Waste Gas On, Green Light	ON	OFF	ON	OFF
P.	Flare Reset				
Q.	Waste Gas Blower Failure, Red Light	ON	OFF	ON	OFF
R.	High Flare Temperature, Red Light	ON	OFF	ON	OFF
S.	Flare Failure, Red Light	ON	OFF	ON	OFF

4.	**FLARE**				
A.	Flame Condition	GOOD	N/S	GOOD	N/S
B.	Abnormal Burner Hotspots	YES	NO	YES	NO
C.	Unusual Sounds or Odors	YES	NO	YES	NO
D.	Damper Motor Running	YES	NO	YES	NO
E.	Manual Damper Position	90% CLOSED		90% CLOSED	
5.	**PIPING**				
A.	General Condition	GOOD	N/S	GOOD	N/S
B.	Propane Tank Press. (PSIG)	85 / 120		100 / 140	
C.	Inlet Valve Position	OPEN		OPEN	
D.	LFG Flowrate (CFM)	1230		1181	
E.	Gauges Operational?	YES	NO	YES	NO
F.	Nitrogen Pressure (PSIG)	100 / 1400		70 / 1100	
6.	**SITE CONDITION**				
	Vandalism, Cleanliness	GOOD	N/S	GOOD	N/S

FORM LFG-1
WEEKLY (TWICE WEEKLY) INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PELHAM BAY LANDFILL

	Date / Time	7/30/18		8/2/18	
	Technician	AMD		AMD	
1.	**OPERATING BLOWER**	**No. 1**	**No. 2**	**No. 1**	**No. 2**
A.	Noise or Vibration	No	Yes	No	Yes
B.	Measureable or Odoriferous Gas Leaks	No	Yes	No	Yes
C.	Upstream Vacuum (Inches WC)	16		15	
D.	Inlet Temperature (°F)	72		76	
E.	Discharge Pressure (In. WC)	25		25	
F.	Discharge Temperature (°F)	122		122	
2.	**BLOWER CONTROL PANEL**	**Blower No. 1**	**Blower No. 2**	**Blower No. 1**	**Blower No. 2**
A.	Disconnect Switch	ON / OFF	ON / OFF	ON / OFF	ON / OFF
B.	Hour Meter	01341.9	88258.2	01347.9	88623.7
C.	Blower Running Light	ON / OFF	ON / OFF	ON / OFF	ON / OFF
D.	Blower Switch	Hand / Off / Auto	Hand / Off / Auto	Hand / Off / Auto	Hand / Off / Auto
E.	Blower 1 or 2 Current Alarm	ON	OFF	ON	OFF
F.	High Motor Current Alarm	ON	OFF	ON	OFF
G.	Flow Meter (CFM), Min & Max	1400	100 &1300	1350	100 &1300
H.	Reset Alarm				
3.	**FLARE CONTROL PANEL**				
A.	Panel Power Switch	ON	OFF	ON	OFF
B.	Panel Power Light	ON	OFF	ON	OFF
C.	Start-Up Sequence Switch	Manual	Auto	Manual	Auto
D.	Local Unit Control Switch	Stop	Start / Run	Stop	Start / Run
E.	Unit Stop				
F.	Security Light	ON	OFF	ON	OFF
G.	Purge Start				
H.	Low Purge Air Flow, Red Light	ON	OFF	ON	OFF
I.	Purging, Blue Light	ON	OFF	ON	OFF
J.	Purge Complete, Amber Light	ON	OFF	ON	OFF
K.	Ignition Start				
L.	Pilot Gas On, Green Light	ON	OFF	ON	OFF
M.	Flame Proved, Green Light	ON	OFF	ON	OFF
N.	Waste Inlet Valve	Close / Open / Auto		Close / Open / Auto	
O.	Waste Gas On, Green Light	ON	OFF	ON	OFF
P.	Flare Reset				
Q.	Waste Gas Blower Failure, Red Light	ON	OFF	ON	OFF
R.	High Flare Temperature, Red Light	ON	OFF	ON	OFF
S.	Flare Failure, Red Light	ON	OFF	ON	OFF
4.	**FLARE**				
A.	Flame Condition	GOOD	N/S	GOOD	N/S
B.	Abnormal Burner Hotspots	YES	NO	YES	NO
C.	Unusual Sounds or Odors	YES	NO	YES	NO
D.	Damper Motor Running	YES	NO	YES	NO
E.	Manual Damper Position	90% CLOSED		90% CLOSED	
5.	**PIPING**				
A.	General Condition	GOOD	N/S	GOOD	N/S
B.	Propane Tank Press. (PSIG)	110/160		100/150	
C.	Inlet Valve Position	OPEN		OPEN	
D.	LFG Flowrate (CFM)	1210		1154	
E.	Gauges Operational?	YES	NO	YES	NO
F.	Nitrogen Pressure (PSIG)	60/300		40/600	
6.	**SITE CONDITION**				
	Vandalism, Cleanliness	GOOD	N/S	GOOD	N/S

FORM LFG-1
WEEKLY (TWICE WEEKLY) INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PELHAM BAY LANDFILL

	Date / Time	8/6/18		8/9/18	
	Technician	AMD		AMD	
1.	**OPERATING BLOWER**	**No. 1**	**No. 2**	**No. 1**	**No. 2**
A.	Noise or Vibration	No	Yes	No	Yes
B.	Measureable or Odoriferous Gas Leaks	No	Yes	No	Yes
C.	Upstream Vacuum (Inches WC)	18		17	
D.	Inlet Temperature (°F)	76		78	
E.	Discharge Pressure (In. WC)	2.5		2.5	
F.	Discharge Temperature (°F)	130		128	
2.	**BLOWER CONTROL PANEL**	**Blower No. 1**	**Blower No. 2**	**Blower No. 1**	**Blower No. 2**
A.	Disconnect Switch	ON / OFF	ON / OFF	ON / OFF	ON / OFF
B.	Hour Meter	01347.9	90574.4	01347.9	91973.1
C.	Blower Running Light	ON / OFF	ON / OFF	ON / OFF	ON / OFF
D.	Blower Switch	Hand / Off / Auto	Hand / Off / Auto	Hand / Off / Auto	Hand / Off / Auto
E.	Blower 1 or 2 Current Alarm	ON	OFF	ON	OFF
F.	High Motor Current Alarm	ON	OFF	ON	OFF
G.	Flow Meter (CFM), Min & Max	1300	100 &1300	1350	100 &1300
H.	Reset Alarm				
3.	**FLARE CONTROL PANEL**				
A.	Panel Power Switch	ON	OFF	ON	OFF
B.	Panel Power Light	ON	OFF	ON	OFF
C.	Start-Up Sequence Switch	Manual	Auto	Manual	Auto
D.	Local Unit Control Switch	Stop	Start / Run	Stop	Start / Run
E.	Unit Stop				
F.	Security Light	ON	OFF	ON	OFF
G.	Purge Start				
H.	Low Purge Air Flow, Red Light	ON	OFF	ON	OFF
I.	Purging, Blue Light	ON	OFF	ON	OFF
J.	Purge Complete, Amber Light	ON	OFF	ON	OFF
K.	Ignition Start				
L.	Pilot Gas On, Green Light	ON	OFF	ON	OFF
M.	Flame Proved, Green Light	ON	OFF	ON	OFF
N.	Waste Inlet Valve	Close / Open / Auto		Close / Open / Auto	
O.	Waste Gas On, Green Light	ON	OFF	ON	OFF
P.	Flare Reset				
Q.	Waste Gas Blower Failure, Red Light	ON	OFF	ON	OFF
R.	High Flare Temperature, Red Light	ON	OFF	ON	OFF
S.	Flare Failure, Red Light	ON	OFF	ON	OFF
4.	**FLARE**				
A.	Flame Condition	GOOD	N/S	GOOD	N/S
B.	Abnormal Burner Hotspots	YES	NO	YES	NO
C.	Unusual Sounds or Odors	YES	NO	YES	NO
D.	Damper Motor Running	YES	NO	YES	NO
E.	Manual Damper Position	70% CLOSED		90% CLOSED	
5.	**PIPING**				
A.	General Condition	GOOD	N/S	GOOD	N/S
B.	Propane Tank Press. (PSIG)	130/180		120/160	
C.	Inlet Valve Position	OPEN		OPEN	
D.	LFG Flowrate (CFM)	1304			
E.	Gauges Operational?	YES	NO	YES	NO
F.	Nitrogen Pressure (PSIG)	10/200		120/1900	
6.	**SITE CONDITION**				
	Vandalism, Cleanliness	GOOD	N/S	GOOD	N/S

FORM LFG-1
WEEKLY (TWICE WEEKLY) INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PELHAM BAY LANDFILL

	Date / Time	8/13/18 AM		8/16/18 AM	
	Technician				
1.	**OPERATING BLOWER**	**No. 1**	**No. 2**	**No. 1**	**No. 2**
A.	Noise or Vibration	(No)	Yes	(No)	Yes
B.	Measureable or Odoriferous Gas Leaks	(No)	Yes	(No)	Yes
C.	Upstream Vacuum (Inches WC)	16		18	
D.	Inlet Temperature (°F)	66		76	
E.	Discharge Pressure (In. WC)	25		25	
F.	Discharge Temperature (°F)	104		130	
2.	**BLOWER CONTROL PANEL**	**Blower No. 1**	**Blower No. 2**	**Blower No. 1**	**Blower No. 2**
A.	Disconnect Switch	(ON) OFF	(ON) OFF	(ON) OFF	(ON) OFF
B.	Hour Meter	013479	929266	013479	943994
C.	Blower Running Light	ON (OFF)	(ON) OFF	ON (OFF)	(ON) OFF
D.	Blower Switch	Hand Off (Auto)	Hand Off (Auto)	Hand Off (Auto)	Hand Off (Auto)
E.	Blower 1 or 2 Current Alarm	ON	(OFF)	ON	(OFF)
F.	High Motor Current Alarm	ON	(OFF)	ON	(OFF)
G.	Flow Meter (CFM), Min & Max	1300	100 &1300	1250	100 &1300
H.	Reset Alarm				
3.	**FLARE CONTROL PANEL**				
A.	Panel Power Switch	(ON)	OFF	(ON)	OFF
B.	Panel Power Light	(ON)	OFF	(ON)	OFF
C.	Start-Up Sequence Switch	Manual	(Auto)	Manual	(Auto)
D.	Local Unit Control Switch	Stop	(Start / Run)	Stop	(Start / Run)
E.	Unit Stop				
F.	Security Light	(ON)	OFF	(ON)	OFF
G.	Purge Start				
H.	Low Purge Air Flow, Red Light	ON	(OFF)	ON	(OFF)
I.	Purging, Blue Light	ON	(OFF)	ON	(OFF)
J.	Purge Complete, Amber Light	ON	(OFF)	ON	(OFF)
K.	Ignition Start				
L.	Pilot Gas On, Green Light	(ON)	OFF	(ON)	OFF
M.	Flame Proved, Green Light	(ON)	OFF	(ON)	OFF
N.	Waste Inlet Valve	Close Open (Auto)		Close Open (Auto)	
O.	Waste Gas On, Green Light	(ON)	OFF	(ON)	OFF
P.	Flare Reset				
Q.	Waste Gas Blower Failure, Red Light	ON	(OFF)	ON	(OFF)
R.	High Flare Temperature, Red Light	ON	(OFF)	ON	(OFF)
S.	Flare Failure, Red Light	ON	(OFF)	ON	(OFF)
4.	**FLARE**				
A.	Flame Condition	(GOOD)	N/S	(GOOD)	N/S
B.	Abnormal Burner Hotspots	YES	(NO)	YES	(NO)
C.	Unusual Sounds or Odors	YES	(NO)	YES	(NO)
D.	Damper Motor Running	(YES)	NO	(YES)	NO
E.	Manual Damper Position	90% (1250)		90% (1250)	
5.	**PIPING**				
A.	General Condition	(GOOD)	N/S	(GOOD)	N/S
B.	Propane Tank Press. (PSIG)	80/120		120/180	
C.	Inlet Valve Position	OPEN		OPEN	
D.	LFG Flowrate (CFM)	1326		1290	
E.	Gauges Operational?	(YES)	NO	(YES)	NO
F.	Nitrogen Pressure (PSIG)	100/1600		95/1500	
6.	**SITE CONDITION**				
	Vandalism, Cleanliness	(GOOD)	N/S	(GOOD)	N/S

FORM LFG-1
WEEKLY (TWICE WEEKLY) INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PELHAM BAY LANDFILL

	Date / Time	8/20/18		8/23/18	
	Technician	AWD		AWD	
1.	**OPERATING BLOWER**	**No. 1**	**No. 2**	**No. 1**	**No. 2**
A.	Noise or Vibration	No	Yes	No	Yes
B.	Measureable or Odoriferous Gas Leaks	No	Yes	No	Yes
C.	Upstream Vacuum (Inches WC)	19		18	
D.	Inlet Temperature (°F)	66		70	
E.	Discharge Pressure (In. WC)	2.5		2.5	
F.	Discharge Temperature (°F)	110		120	

2.	**BLOWER CONTROL PANEL**	**Blower No. 1**			**Blower No. 2**			**Blower No. 1**			**Blower No. 2**		
A.	Disconnect Switch	ON		OFF	ON		OFF	ON		OFF	ON		OFF
B.	Hour Meter	013479			953309			013479			96773.6		
C.	Blower Running Light	ON		OFF	ON		OFF	ON		OFF	ON		OFF
D.	Blower Switch	Hand	Off	Auto	Hand	Off	Auto	Hand	Off	Auto	Hand	Off	Auto
E.	Blower 1 or 2 Current Alarm	ON			OFF			ON			OFF		
F.	High Motor Current Alarm	ON			OFF			ON			OFF		
G.	Flow Meter (CFM), Min & Max	1250			100 &1300			1300			100 &1300		
H.	Reset Alarm												

3.	**FLARE CONTROL PANEL**				
A.	Panel Power Switch	ON	OFF	ON	OFF
B.	Panel Power Light	ON	OFF	ON	OFF
C.	Start-Up Sequence Switch	Manual	Auto	Manual	Auto
D.	Local Unit Control Switch	Stop	Start / Run	Stop	Start / Run
E.	Unit Stop				
F.	Security Light	ON	OFF	ON	OFF
G.	Purge Start				
H.	Low Purge Air Flow, Red Light	ON	OFF	ON	OFF
I.	Purging, Blue Light	ON	OFF	ON	OFF
J.	Purge Complete, Amber Light	ON	OFF	ON	OFF
K.	Ignition Start				
L.	Pilot Gas On, Green Light	ON	OFF	ON	OFF
M.	Flame Proved, Green Light	ON	OFF	ON	OFF
N.	Waste Inlet Valve	Close / Open	Auto	Close / Open	Auto
O.	Waste Gas On, Green Light	ON	OFF	ON	OFF
P.	Flare Reset				
Q.	Waste Gas Blower Failure, Red Light	ON	OFF	ON	OFF
R.	High Flare Temperature, Red Light	ON	OFF	ON	OFF
S.	Flare Failure, Red Light	ON	OFF	ON	OFF

4.	**FLARE**				
A.	Flame Condition	GOOD	N/S	GOOD	N/S
B.	Abnormal Burner Hotspots	YES	NO	YES	NO
C.	Unusual Sounds or Odors	YES	NO	YES	NO
D.	Damper Motor Running	YES	NO	YES	NO
E.	Manual Damper Position	90% (OPEN)		90% (OPEN)	
5.	**PIPING**				
A.	General Condition	GOOD	N/S	GOOD	N/S
B.	Propane Tank Press. (PSIG)	80/120		80/100	
C.	Inlet Valve Position	OPEN		OPEN	
D.	LFG Flowrate (CFM)	1292		1280	
E.	Gauges Operational?	YES	NO	YES	NO
F.	Nitrogen Pressure (PSIG)	70/1100		60/900	
6.	**SITE CONDITION**				
	Vandalism, Cleanliness	GOOD	N/S	GOOD	N/S

FORM LFG-1
WEEKLY (TWICE WEEKLY) INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PELHAM BAY LANDFILL

	Date / Time	8/27/18			8/30/18		
	Technician	AMO			AMO		
1.	**OPERATING BLOWER**	**No. 1**	**No. 2**		**No. 1**	**No. 2**	
A.	Noise or Vibration	No	Yes		No	Yes	
B.	Measureable or Odoriferous Gas Leaks	No	Yes		No	Yes	
C.	Upstream Vacuum (Inches WC)	19			18		
D.	Inlet Temperature (°F)	72			70		
E.	Discharge Pressure (In. WC)	2.5			2.5		
F.	Discharge Temperature (°F)	122			126		
2.	**BLOWER CONTROL PANEL**	**Blower No. 1**	**Blower No. 2**		**Blower No. 1**	**Blower No. 2**	
A.	Disconnect Switch	ON OFF	ON OFF		ON OFF	ON OFF	
B.	Hour Meter	01347.9	97729.1		01347.9	99166.0	
C.	Blower Running Light	ON OFF	ON OFF		ON OFF	ON OFF	
D.	Blower Switch	Hand Off Auto	Hand Off Auto		Hand Off Auto	Hand Off Auto	
E.	Blower 1 or 2 Current Alarm	ON	OFF		ON	OFF	
F.	High Motor Current Alarm	ON	OFF		ON	OFF	
G.	Flow Meter (CFM), Min & Max	1350	*100 &1300*		1360	*100 &1300*	
H.	Reset Alarm						
3.	**FLARE CONTROL PANEL**						
A.	Panel Power Switch	ON	OFF		ON	OFF	
B.	Panel Power Light	ON	OFF		ON	OFF	
C.	Start-Up Sequence Switch	Manual	Auto		Manual	Auto	
D.	Local Unit Control Switch	Stop	Start / Run		Stop	Start / Run	
E.	Unit Stop						
F.	Security Light	ON	OFF		ON	OFF	
G.	Purge Start						
H.	Low Purge Air Flow, Red Light	ON	OFF		ON	OFF	
I.	Purging, Blue Light	ON	OFF		ON	OFF	
J.	Purge Complete, Amber Light	ON	OFF		ON	OFF	
K.	Ignition Start						
L.	Pilot Gas On, Green Light	ON	OFF		ON	OFF	
M.	Flame Proved, Green Light	ON	OFF		ON	OFF	
N.	Waste Inlet Valve	Close Open Auto			Close Open Auto		
O.	Waste Gas On, Green Light	ON	OFF		ON	OFF	
P.	Flare Reset						
Q.	Waste Gas Blower Failure, Red Light	ON	OFF		ON	OFF	
R.	High Flare Temperature, Red Light	ON	OFF		ON	OFF	
S.	Flare Failure, Red Light	ON	OFF		ON	OFF	
4.	**FLARE**						
A.	Flame Condition	GOOD	N/S		GOOD	N/S	
B.	Abnormal Burner Hotspots	YES	NO		YES	NO	
C.	Unusual Sounds or Odors	YES	NO		YES	NO	
D.	Damper Motor Running	YES	NO		YES	NO	
E.	Manual Damper Position	10% (10:30)			10% (10:30)		
5.	**PIPING**						
A.	General Condition	GOOD	N/S		GOOD	N/S	
B.	Propane Tank Press. (PSIG)	100/150			120/160		
C.	Inlet Valve Position	OPEN			OPEN		
D.	LFG Flowrate (CFM)	1262			1257		
E.	Gauges Operational?	YES	NO		YES	NO	
F.	Nitrogen Pressure (PSIG)	40/60			20/200		
6.	**SITE CONDITION**						
	Vandalism, Cleanliness	GOOD	N/S		GOOD	N/S	

FORM LFG-1
WEEKLY (TWICE WEEKLY) INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PELHAM BAY LANDFILL

	Date / Time	9/4/18			9/6/18		
	Technician	AMD					
1.	**OPERATING BLOWER**	**No. 1**	**No. 2**		**No. 1**	**No. 2**	
A.	Noise or Vibration	(No)	Yes		(No)	Yes	
B.	Measureable or Odoriferous Gas Leaks	(No)	Yes		(No)	Yes	
C.	Upstream Vacuum (Inches WC)	18			17		
D.	Inlet Temperature (°F)	78			76		
E.	Discharge Pressure (In. WC)	23			23		
F.	Discharge Temperature (°F)	130			128		
2.	**BLOWER CONTROL PANEL**	**Blower No. 1**	**Blower No. 2**		**Blower No. 1**	**Blower No. 2**	
A.	Disconnect Switch	(ON) OFF	(ON) OFF		(ON) OFF	(ON) OFF	
B.	Hour Meter	01347.3	00121.9		01347.9	01034.5	
C.	Blower Running Light	ON (OFF)	(ON) OFF		ON (OFF)	(ON) OFF	
D.	Blower Switch	Hand (Off) Auto	Hand Off (Auto)		Hand Off Auto	Hand Off (Auto)	
E.	Blower 1 or 2 Current Alarm	(ON)	(OFF)		ON	(OFF)	
F.	High Motor Current Alarm	ON	(OFF)		ON	(OFF)	
G.	Flow Meter (CFM), Min & Max	1300	*100 &1300*		1350	*100 &1300*	
H.	Reset Alarm						
3.	**FLARE CONTROL PANEL**						
A.	Panel Power Switch	(ON)	OFF		(ON)	OFF	
B.	Panel Power Light	(ON)	OFF		(ON)	OFF	
C.	Start-Up Sequence Switch	Manual	(Auto)		Manual	(Auto)	
D.	Local Unit Control Switch	Stop	(Start / Run)		Stop	(Start / Run)	
E.	Unit Stop						
F.	Security Light	(ON)	OFF		(ON)	OFF	
G.	Purge Start						
H.	Low Purge Air Flow, Red Light	ON	(OFF)		ON	(OFF)	
I.	Purging, Blue Light	ON	(OFF)		ON	(OFF)	
J.	Purge Complete, Amber Light	ON	(OFF)		ON	(OFF)	
K.	Ignition Start						
L.	Pilot Gas On, Green Light	(ON)	OFF		(ON)	OFF	
M.	Flame Proved, Green Light	(ON)	OFF		(ON)	OFF	
N.	Waste Inlet Valve	Close Open (Auto)			Close Open (Auto)		
O.	Waste Gas On, Green Light	(ON)	OFF		ON	OFF	
P.	Flare Reset						
Q.	Waste Gas Blower Failure, Red Light	ON	(OFF)		ON	(OFF)	
R.	High Flare Temperature, Red Light	ON	(OFF)		ON	(OFF)	
S.	Flare Failure, Red Light	ON	(OFF)		ON	(OFF)	
4.	**FLARE**						
A.	Flame Condition	(GOOD)	N/S		(GOOD)	N/S	
B.	Abnormal Burner Hotspots	YES	(NO)		YES	(NO)	
C.	Unusual Sounds or Odors	YES	(NO)		YES	(NO)	
D.	Damper Motor Running	(YES)	NO		(YES)	NO	
E.	Manual Damper Position	90° CLOSED			90° CLOSED		
5.	**PIPING**						
A.	General Condition	(GOOD)	N/S		(GOOD)	N/S	
B.	Propane Tank Press. (PSIG)	100/120			120/180		
C.	Inlet Valve Position	OPEN			OPEN		
D.	LFG Flowrate (CFM)	1296			1280		
E.	Gauges Operational?	(YES)	NO		(YES)	NO	
F.	Nitrogen Pressure (PSIG)	120/1700			105/1500		
6.	**SITE CONDITION**						
	Vandalism, Cleanliness	(GOOD)	N/S		(GOOD)	N/S	

FORM LFG-1
WEEKLY (TWICE WEEKLY) INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PELHAM BAY LANDFILL

	Date / Time	9/10/18		9/13/18	
	Technician	AMD			
1.	**OPERATING BLOWER**	**No. 1**	**No. 2**	**No. 1**	**No. 2**
A.	Noise or Vibration	No	Yes	No	Yes
B.	Measureable or Odoriferous Gas Leaks	No	Yes	No	Yes
C.	Upstream Vacuum (Inches WC)	18		19	
D.	Inlet Temperature (°F)	64		66	
E.	Discharge Pressure (In. WC)	2.5		2.0	
F.	Discharge Temperature (°F)	98		116	
2.	**BLOWER CONTROL PANEL**	**Blower No. 1**	**Blower No. 2**	**Blower No. 1**	**Blower No. 2**
A.	Disconnect Switch	ON / OFF	ON / OFF	ON / OFF	ON / OFF
B.	Hour Meter	034792	020482	034797	034913
C.	Blower Running Light	ON / OFF	ON / OFF	ON / OFF	ON / OFF
D.	Blower Switch	Hand / Off / Auto	Hand / Off / Auto	Hand / Off / Auto	Hand / Off / Auto
E.	Blower 1 or 2 Current Alarm	ON	OFF	ON	OFF
F.	High Motor Current Alarm	ON	OFF	ON	OFF
G.	Flow Meter (CFM), Min & Max	1300	*100 &1300*	1350	*100 &1300*
H.	Reset Alarm				
3.	**FLARE CONTROL PANEL**				
A.	Panel Power Switch	ON	OFF	ON	OFF
B.	Panel Power Light	ON	OFF	ON	OFF
C.	Start-Up Sequence Switch	Manual	Auto	Manual	Auto
D.	Local Unit Control Switch	Stop	Start / Run	Stop	Start / Run
E.	Unit Stop				
F.	Security Light	ON	OFF	ON	OFF
G.	Purge Start				
H.	Low Purge Air Flow, Red Light	ON	OFF	ON	OFF
I.	Purging, Blue Light	ON	OFF	ON	OFF
J.	Purge Complete, Amber Light	ON	OFF	ON	OFF
K.	Ignition Start				
L.	Pilot Gas On, Green Light	ON	OFF	ON	OFF
M.	Flame Proved, Green Light	ON	OFF	ON	OFF
N.	Waste Inlet Valve	Close / Open / Auto		Close / Open / Auto	
O.	Waste Gas On, Green Light	ON	OFF	ON	OFF
P.	Flare Reset				
Q.	Waste Gas Blower Failure, Red Light	ON	OFF	ON	OFF
R.	High Flare Temperature, Red Light	ON	OFF	ON	OFF
S.	Flare Failure, Red Light	ON	OFF	ON	OFF
4.	**FLARE**				
A.	Flame Condition	GOOD	N/S	GOOD	N/S
B.	Abnormal Burner Hotspots	YES	NO	YES	NO
C.	Unusual Sounds or Odors	YES	NO	YES	NO
D.	Damper Motor Running	YES	NO	YES	NO
E.	Manual Damper Position	90% CLOSED		90% CLOSED	
5.	**PIPING**				
A.	General Condition	GOOD	N/S	GOOD	N/S
B.	Propane Tank Press. (PSIG)	65/45		80/110	
C.	Inlet Valve Position	OPEN		OPEN	
D.	LFG Flowrate (CFM)	1332		1284	
E.	Gauges Operational?	YES	NO	YES	NO
F.	Nitrogen Pressure (PSIG)	85/1200		70/1000	
6.	**SITE CONDITION**				
	Vandalism, Cleanliness	GOOD	N/S	GOOD	N/S

FORM LFG-1
WEEKLY (TWICE WEEKLY) INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PELHAM BAY LANDFILL

	Date / Time	9/17/18					9/20/18				
	Technician	AMP					AMP				
1.	**OPERATING BLOWER**	**No. 1**		**No. 2**			**No. 1**		**No. 2**		
A.	Noise or Vibration	No		Yes			No		Yes		
B.	Measureable or Odoriferous Gas Leaks	No		Yes			No		Yes		
C.	Upstream Vacuum (Inches WC)	15					17				
D.	Inlet Temperature (°F)	68					66				
E.	Discharge Pressure (In. WC)	2.5					2.0				
F.	Discharge Temperature (°F)	120					116				
2.	**BLOWER CONTROL PANEL**	**Blower No. 1**			**Blower No. 2**		**Blower No. 1**			**Blower No. 2**	
A.	Disconnect Switch	ON	OFF		ON	OFF	ON	OFF		ON	OFF
B.	Hour Meter	01347.9			04421.1		01347.9			05901.8	
C.	Blower Running Light	ON	OFF		ON	OFF	ON	OFF		ON	OFF
D.	Blower Switch	Hand	Off	Auto	Hand	Off	Auto	Hand	Off	Auto	Hand	Off	Auto
E.	Blower 1 or 2 Current Alarm	ON			OFF			ON			OFF		
F.	High Motor Current Alarm	ON			OFF			ON			OFF		
G.	Flow Meter (CFM), Min & Max	1300			*100 &1300*			1350			*100 &1300*		
H.	Reset Alarm												
3.	**FLARE CONTROL PANEL**												
A.	Panel Power Switch	ON			OFF			ON			OFF		
B.	Panel Power Light	ON			OFF			ON			OFF		
C.	Start-Up Sequence Switch	Manual			Auto			Manual			Auto		
D.	Local Unit Control Switch	Stop			Start / Run			Stop			Start / Run		
E.	Unit Stop												
F.	Security Light	ON			OFF			ON			OFF		
G.	Purge Start												
H.	Low Purge Air Flow, Red Light	ON			OFF			ON			OFF		
I.	Purging, Blue Light	ON			OFF			ON			OFF		
J.	Purge Complete, Amber Light	ON			OFF			ON			OFF		
K.	Ignition Start												
L.	Pilot Gas On, Green Light	ON			OFF			ON			OFF		
M.	Flame Proved, Green Light	ON			OFF			ON			OFF		
N.	Waste Inlet Valve	Close		Open		Auto		Close		Open		Auto	
O.	Waste Gas On, Green Light	ON			OFF			ON			OFF		
P.	Flare Reset												
Q.	Waste Gas Blower Failure, Red Light	ON			OFF			ON			OFF		
R.	High Flare Temperature, Red Light	ON			OFF			ON			OFF		
S.	Flare Failure, Red Light	ON			OFF			ON			OFF		
4.	**FLARE**												
A.	Flame Condition	GOOD			N/S			GOOD			N/S		
B.	Abnormal Burner Hotspots	YES			NO			YES			NO		
C.	Unusual Sounds or Odors	YES			NO			YES			NO		
D.	Damper Motor Running	YES			NO			YES			NO		
E.	Manual Damper Position	90° CLOSED						90° CLOSED					
5.	**PIPING**												
A.	General Condition	GOOD			N/S			GOOD			N/S		
B.	Propane Tank Press. (PSIG)	35/120						40/100					
C.	Inlet Valve Position	OPEN						OPEN					
D.	LFG Flowrate (CFM)	1322						1299					
E.	Gauges Operational?	YES			NO			YES			NO		
F.	Nitrogen Pressure (PSIG)	50/100						40/500					
6.	**SITE CONDITION**												
	Vandalism, Cleanliness	GOOD			N/S			GOOD			N/S		

FORM LFG-1
WEEKLY (TWICE WEEKLY) INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PELHAM BAY LANDFILL

	Date / Time	9/24/18		9/27/18	
	Technician	AMD		AMD	
1.	**OPERATING BLOWER**	**No. 1**	**No. 2**	**No. 1**	**No. 2**
A.	Noise or Vibration	No	Yes	No	Yes
B.	Measureable or Odoriferous Gas Leaks	No	Yes	No	Yes
C.	Upstream Vacuum (Inches WC)	20		18	
D.	Inlet Temperature (°F)	64		62	
E.	Discharge Pressure (In. WC)	25		2.5	
F.	Discharge Temperature (°F)	104		104	
2.	**BLOWER CONTROL PANEL**	**Blower No. 1**	**Blower No. 2**	**Blower No. 1**	**Blower No. 2**
A.	Disconnect Switch	ON / OFF	ON / OFF	ON / OFF	ON / OFF
B.	Hour Meter	013479	068560	013479	068587
C.	Blower Running Light	ON / OFF	ON / OFF	ON / OFF	ON / OFF
D.	Blower Switch	Hand / Off / Auto	Hand / Off / Auto	Hand / Off / Auto	Hand / Off / Auto
E.	Blower 1 or 2 Current Alarm	ON	OFF	ON	OFF
F.	High Motor Current Alarm	ON	OFF	ON	OFF
G.	Flow Meter (CFM), Min & Max	1350	*100 &1300*	1300	*100 &1300*
H.	Reset Alarm				
3.	**FLARE CONTROL PANEL**				
A.	Panel Power Switch	ON	OFF	ON	OFF
B.	Panel Power Light	ON	OFF	ON	OFF
C.	Start-Up Sequence Switch	Manual	Auto	Manual	Auto
D.	Local Unit Control Switch	Stop	Start / Run	Stop	Start / Run
E.	Unit Stop				
F.	Security Light	ON	OFF	ON	OFF
G.	Purge Start				
H.	Low Purge Air Flow, Red Light	ON	OFF	ON	OFF
I.	Purging, Blue Light	ON	OFF	ON	OFF
J.	Purge Complete, Amber Light	ON	OFF	ON	OFF
K.	Ignition Start				
L.	Pilot Gas On, Green Light	ON	OFF	ON	OFF
M.	Flame Proved, Green Light	ON	OFF	ON	OFF
N.	Waste Inlet Valve	Close / Open / Auto		Close / Open / Auto	
O.	Waste Gas On, Green Light	ON	OFF	ON	OFF
P.	Flare Reset				
Q.	Waste Gas Blower Failure, Red Light	ON	OFF	ON	OFF
R.	High Flare Temperature, Red Light	ON	OFF	ON	OFF
S.	Flare Failure, Red Light	ON	OFF	ON	OFF
4.	**FLARE**				
A.	Flame Condition	GOOD	N/S	GOOD	N/S
B.	Abnormal Burner Hotspots	YES	NO	YES	NO
C.	Unusual Sounds or Odors	YES	NO	YES	NO
D.	Damper Motor Running	YES	NO	YES	NO
E.	Manual Damper Position	90% CLOSED		90% CLOSED	
5.	**PIPING**				
A.	General Condition	GOOD	N/S	GOOD	N/S
B.	Propane Tank Press. (PSIG)	70/100		80/120	
C.	Inlet Valve Position	OPEN		OPEN	
D.	LFG Flowrate (CFM)	1350		1318	
E.	Gauges Operational?	YES	NO	YES	NO
F.	Nitrogen Pressure (PSIG)	20/100		120/1800	
6.	**SITE CONDITION**				
	Vandalism, Cleanliness	GOOD	N/S	GOOD	N/S

FORM LFG-1
WEEKLY (TWICE WEEKLY) INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PELHAM BAY LANDFILL

	Date / Time	10/1/15		10/4/15	
	Technician	AMD		AMD	
1.	**OPERATING BLOWER**	**No. 1**	**No. 2**	**No. 1**	**No. 2**
A.	Noise or Vibration	No	Yes	No	Yes
B.	Measureable or Odoriferous Gas Leaks	No	Yes	No	Yes
C.	Upstream Vacuum (Inches WC)	20		18	
D.	Inlet Temperature (°F)	64		66	
E.	Discharge Pressure (In. WC)	25		25	
F.	Discharge Temperature (°F)	112		116	
2.	**BLOWER CONTROL PANEL**	**Blower No. 1**	**Blower No. 2**	**Blower No. 1**	**Blower No. 2**
A.	Disconnect Switch	ON OFF	ON OFF	ON OFF	ON OFF
B.	Hour Meter	01347.9	03775.7	01347.9	10161.7
C.	Blower Running Light	ON OFF	ON OFF	ON OFF	ON OFF
D.	Blower Switch	Hand Off Auto	Hand Off Auto	Hand Off Auto	Hand Off Auto
E.	Blower 1 or 2 Current Alarm	ON	OFF	ON	OFF
F.	High Motor Current Alarm	ON	OFF	ON	OFF
G.	Flow Meter (CFM), Min & Max	1350	100 &1300	1300	100 &1300
H.	Reset Alarm				
3.	**FLARE CONTROL PANEL**				
A.	Panel Power Switch	ON	OFF	ON	OFF
B.	Panel Power Light	ON	OFF	ON	OFF
C.	Start-Up Sequence Switch	Manual	Auto	Manual	Auto
D.	Local Unit Control Switch	Stop	Start / Run	Stop	Start / Run
E.	Unit Stop				
F.	Security Light	ON	OFF	ON	OFF
G.	Purge Start				
H.	Low Purge Air Flow, Red Light	ON	OFF	ON	OFF
I.	Purging, Blue Light	ON	OFF	ON	OFF
J.	Purge Complete, Amber Light	ON	OFF	ON	OFF
K.	Ignition Start				
L.	Pilot Gas On, Green Light	ON	OFF	ON	OFF
M.	Flame Proved, Green Light	ON	OFF	ON	OFF
N.	Waste Inlet Valve	Close Open Auto		Close Open Auto	
O.	Waste Gas On, Green Light	ON	OFF	ON	OFF
P.	Flare Reset				
Q.	Waste Gas Blower Failure, Red Light	ON	OFF	ON	OFF
R.	High Flare Temperature, Red Light	ON	OFF	ON	OFF
S.	Flare Failure, Red Light	ON	OFF	ON	OFF
4.	**FLARE**				
A.	Flame Condition	GOOD	N/S	GOOD	N/S
B.	Abnormal Burner Hotspots	YES	NO	YES	NO
C.	Unusual Sounds or Odors	YES	NO	YES	NO
D.	Damper Motor Running	YES	NO	YES	NO
E.	Manual Damper Position	90% closed		90% closed	
5.	**PIPING**				
A.	General Condition	GOOD	N/S	GOOD	N/S
B.	Propane Tank Press. (PSIG)	80/110		85/120	
C.	Inlet Valve Position	OPEN		OPEN	
D.	LFG Flowrate (CFM)	1334		1295	
E.	Gauges Operational?	YES	NO	YES	NO
F.	Nitrogen Pressure (PSIG)	70/1300		70/1000	
6.	**SITE CONDITION**				
	Vandalism, Cleanliness	GOOD	N/S	GOOD	N/S

FORM LFG-1
WEEKLY (TWICE WEEKLY) INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PELHAM BAY LANDFILL

	Date / Time	10/8/18		10/11/18	
	Technician	AMD		AMD	
1.	**OPERATING BLOWER**	**No. 1**	**No. 2**	**No. 1**	**No. 2**
A.	Noise or Vibration	~~No~~	Yes	~~No~~	Yes
B.	Measureable or Odoriferous Gas Leaks	~~No~~	Yes	~~No~~	Yes
C.	Upstream Vacuum (Inches WC)	18		20	
D.	Inlet Temperature (°F)	62		66	
E.	Discharge Pressure (In. WC)	2.0		2.5	
F.	Discharge Temperature (°F)	106		124	
2.	**BLOWER CONTROL PANEL**	**Blower No. 1**	**Blower No. 2**	**Blower No. 1**	**Blower No. 2**
A.	Disconnect Switch	~~ON~~ OFF	~~ON~~ OFF	~~ON~~ OFF	~~ON~~ OFF
B.	Hour Meter	01347	11358.0	01347	12573.3
C.	Blower Running Light	ON ~~OFF~~	~~ON~~ OFF	ON ~~OFF~~	~~ON~~ OFF
D.	Blower Switch	Hand ~~Off~~ Auto	Hand Off ~~Auto~~	Hand ~~Off~~ Auto	Hand Off ~~Auto~~
E.	Blower 1 or 2 Current Alarm	ON	~~OFF~~	ON	~~OFF~~
F.	High Motor Current Alarm	ON	~~OFF~~	ON	~~OFF~~
G.	Flow Meter (CFM), Min & Max	1356	*100 &1300*	1300	*100 &1300*
H.	Reset Alarm				
3.	**FLARE CONTROL PANEL**				
A.	Panel Power Switch	~~ON~~	OFF	~~ON~~	OFF
B.	Panel Power Light	~~ON~~	OFF	~~ON~~	OFF
C.	Start-Up Sequence Switch	Manual	~~Auto~~	Manual	~~Auto~~
D.	Local Unit Control Switch	Stop	~~Start / Run~~	Stop	~~Start / Run~~
E.	Unit Stop				
F.	Security Light	~~ON~~	OFF	~~ON~~	OFF
G.	Purge Start				
H.	Low Purge Air Flow, Red Light	ON	~~OFF~~	ON	~~OFF~~
I.	Purging, Blue Light	ON	~~OFF~~	ON	~~OFF~~
J.	Purge Complete, Amber Light	ON	~~OFF~~	ON	~~OFF~~
K.	Ignition Start				
L.	Pilot Gas On, Green Light	~~ON~~	OFF	~~ON~~	OFF
M.	Flame Proved, Green Light	~~ON~~	OFF	~~ON~~	OFF
N.	Waste Inlet Valve	Close Open ~~Auto~~		Close Open ~~Auto~~	
O.	Waste Gas On, Green Light	~~ON~~	OFF	~~ON~~	OFF
P.	Flare Reset				
Q.	Waste Gas Blower Failure, Red Light	ON	~~OFF~~	ON	~~OFF~~
R.	High Flare Temperature, Red Light	ON	~~OFF~~	ON	~~OFF~~
S.	Flare Failure, Red Light	ON	~~OFF~~	ON	~~OFF~~
4.	**FLARE**				
A.	Flame Condition	~~GOOD~~	N/S	~~GOOD~~	N/S
B.	Abnormal Burner Hotspots	YES	~~NO~~	YES	~~NO~~
C.	Unusual Sounds or Odors	YES	~~NO~~	YES	~~NO~~
D.	Damper Motor Running	~~YES~~	NO	~~YES~~	NO
E.	Manual Damper Position	90% closed		90% closed	
5.	**PIPING**				
A.	General Condition	~~GOOD~~	N/S	~~GOOD~~	N/S
B.	Propane Tank Press. (PSIG)	70 / 100		60 / 120	
C.	Inlet Valve Position	OPEN		OPEN	
D.	LFG Flowrate (CFM)	1320		1325	
E.	Gauges Operational?	~~YES~~	NO	~~YES~~	NO
F.	Nitrogen Pressure (PSIG)	50 / 700		35 / 500	
6.	**SITE CONDITION**				
	Vandalism, Cleanliness	~~GOOD~~	N/S	~~GOOD~~	N/S

FORM LFG-1
WEEKLY (TWICE WEEKLY) INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PELHAM BAY LANDFILL

	Date / Time	10/15/18		10/18/18	
	Technician	AMD			
1.	**OPERATING BLOWER**	**No. 1**	**No. 2**	**No. 1**	**No. 2**
A.	Noise or Vibration	~~No~~	Yes	~~No~~	Yes
B.	Measureable or Odoriferous Gas Leaks	~~No~~	Yes	~~No~~	Yes
C.	Upstream Vacuum (Inches WC)	18		20	
D.	Inlet Temperature (°F)	60		58	
E.	Discharge Pressure (In. WC)	20		25	
F.	Discharge Temperature (°F)	104		100	

2.	**BLOWER CONTROL PANEL**	**Blower No. 1**	**Blower No. 2**	**Blower No. 1**	**Blower No. 2**		
A.	Disconnect Switch	~~ON~~ OFF	~~ON~~ OFF	~~ON~~ OFF	~~ON~~ OFF		
B.	Hour Meter	013479	135217	013479	149547		
C.	Blower Running Light	ON ~~OFF~~	~~ON~~ OFF	ON ~~OFF~~	~~ON~~ OFF		
D.	Blower Switch	Hand ~~Off~~ Auto	Hand Off ~~Auto~~	Hand ~~Off~~ Auto	Hand Off ~~Auto~~		
E.	Blower 1 or 2 Current Alarm	ON	~~OFF~~	ON	~~OFF~~		
F.	High Motor Current Alarm	ON	~~OFF~~	ON	~~OFF~~		
G.	Flow Meter (CFM), Min & Max	1350	*100 &1300*	1350	*100 &1300*		
H.	Reset Alarm						

3.	**FLARE CONTROL PANEL**				
A.	Panel Power Switch	~~ON~~	OFF	~~ON~~	OFF
B.	Panel Power Light	~~ON~~	OFF	~~ON~~	OFF
C.	Start-Up Sequence Switch	Manual	~~Auto~~	Manual	~~Auto~~
D.	Local Unit Control Switch	Stop	Start / Run	Stop	Start / Run
E.	Unit Stop				
F.	Security Light	~~ON~~	OFF	~~ON~~	OFF
G.	Purge Start				
H.	Low Purge Air Flow, Red Light	ON	~~OFF~~	ON	~~OFF~~
I.	Purging, Blue Light	ON	~~OFF~~	ON	~~OFF~~
J.	Purge Complete, Amber Light	ON	~~OFF~~	ON	~~OFF~~
K.	Ignition Start				
L.	Pilot Gas On, Green Light	~~ON~~	OFF	~~ON~~	OFF
M.	Flame Proved, Green Light	~~ON~~	OFF	~~ON~~	OFF
N.	Waste Inlet Valve	Close Open ~~Auto~~		Close Open ~~Auto~~	
O.	Waste Gas On, Green Light	~~ON~~	OFF	~~ON~~	OFF
P.	Flare Reset				
Q.	Waste Gas Blower Failure, Red Light	ON	~~OFF~~	ON	~~OFF~~
R.	High Flare Temperature, Red Light	ON	~~OFF~~	ON	~~OFF~~
S.	Flare Failure, Red Light	ON	~~OFF~~	ON	~~OFF~~

4.	**FLARE**				
A.	Flame Condition	~~GOOD~~	N/S	~~GOOD~~	N/S
B.	Abnormal Burner Hotspots	YES	~~NO~~	YES	~~NO~~
C.	Unusual Sounds or Odors	YES	~~NO~~	YES	~~NO~~
D.	Damper Motor Running	~~YES~~	NO	~~YES~~	NO
E.	Manual Damper Position	90% CLOSED		90% CLOSED	

5.	**PIPING**				
A.	General Condition	~~GOOD~~	N/S	~~GOOD~~	N/S
B.	Propane Tank Press. (PSIG)	60/90		60/90	
C.	Inlet Valve Position	OPEN		OPEN	
D.	LFG Flowrate (CFM)	1355		1354	
E.	Gauges Operational?	~~YES~~	NO	~~YES~~	NO
F.	Nitrogen Pressure (PSIG)	10/100		120/1500	

6.	**SITE CONDITION**				
	Vandalism, Cleanliness	~~GOOD~~	N/S	~~GOOD~~	N/S

FORM LFG-1
WEEKLY (TWICE WEEKLY) INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PELHAM BAY LANDFILL

	Date / Time	10/22/19		10/25/19	
	Technician	AMD		AMD	
1.	**OPERATING BLOWER**	**No. 1**	**No. 2**	**No. 1**	**No. 2**
A.	Noise or Vibration	~~No~~	Yes	~~No~~	Yes
B.	Measureable or Odoriferous Gas Leaks	~~No~~	Yes	~~No~~	Yes
C.	Upstream Vacuum (Inches WC)	19		18	
D.	Inlet Temperature (°F)	46		56	
E.	Discharge Pressure (In. WC)	2.5		2.5	
F.	Discharge Temperature (°F)	98		96	
2.	**BLOWER CONTROL PANEL**	**Blower No. 1**	**Blower No. 2**	**Blower No. 1**	**Blower No. 2**
A.	Disconnect Switch	(ON) OFF	~~ON~~ OFF	~~ON~~ OFF	~~ON~~ OFF
B.	Hour Meter	013479	15960.3	013479	17316
C.	Blower Running Light	ON ~~OFF~~	~~ON~~ OFF	ON ~~OFF~~	~~ON~~ OFF
D.	Blower Switch	Hand ~~Off~~ Auto	Hand Off ~~Auto~~	Hand Off Auto	Hand Off Auto
E.	Blower 1 or 2 Current Alarm	ON	~~OFF~~	ON	~~OFF~~
F.	High Motor Current Alarm	ON	~~OFF~~	ON	~~OFF~~
G.	Flow Meter (CFM), Min & Max	1350	*100 &1300*	1300	*100 &1300*
H.	Reset Alarm				
3.	**FLARE CONTROL PANEL**				
A.	Panel Power Switch	~~ON~~	OFF	~~ON~~	OFF
B.	Panel Power Light	~~ON~~	OFF	~~ON~~	OFF
C.	Start-Up Sequence Switch	Manual	~~Auto~~	Manual	~~Auto~~
D.	Local Unit Control Switch	Stop	~~Start / Run~~	Stop	~~Start / Run~~
E.	Unit Stop				
F.	Security Light	~~ON~~	OFF	~~ON~~	OFF
G.	Purge Start				
H.	Low Purge Air Flow, Red Light	ON	~~OFF~~	ON	~~OFF~~
I.	Purging, Blue Light	ON	~~OFF~~	ON	~~OFF~~
J.	Purge Complete, Amber Light	ON	~~OFF~~	ON	~~OFF~~
K.	Ignition Start				
L.	Pilot Gas On, Green Light	~~ON~~	OFF	~~ON~~	OFF
M.	Flame Proved, Green Light	~~ON~~	OFF	~~ON~~	OFF
N.	Waste Inlet Valve	Close Open ~~Auto~~		Close Open ~~Auto~~	
O.	Waste Gas On, Green Light	~~ON~~	OFF	~~ON~~	OFF
P.	Flare Reset				
Q.	Waste Gas Blower Failure, Red Light	ON	~~OFF~~	ON	~~OFF~~
R.	High Flare Temperature, Red Light	ON	~~OFF~~	ON	~~OFF~~
S.	Flare Failure, Red Light	ON	~~OFF~~	ON	~~OFF~~
4.	**FLARE**				
A.	Flame Condition	~~GOOD~~	N/S	~~GOOD~~	N/S
B.	Abnormal Burner Hotspots	YES	~~NO~~	YES	~~NO~~
C.	Unusual Sounds or Odors	YES	~~NO~~	YES	~~NO~~
D.	Damper Motor Running	~~YES~~	NO	~~YES~~	NO
E.	Manual Damper Position	90° CLOSED		90° CLOSED	
5.	**PIPING**				
A.	General Condition	~~GOOD~~	N/S	~~GOOD~~	N/S
B.	Propane Tank Press. (PSIG)	50/100		60/100	
C.	Inlet Valve Position	OPEN		OPEN	
D.	LFG Flowrate (CFM)	1342		1314	
E.	Gauges Operational?	~~YES~~	NO	~~YES~~	NO
F.	Nitrogen Pressure (PSIG)	100/1500		30/1200	
6.	**SITE CONDITION**				
	Vandalism, Cleanliness	~~GOOD~~	N/S	~~GOOD~~	N/S

FORM LFG-1
WEEKLY (TWICE WEEKLY) INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PELHAM BAY LANDFILL

	Date / Time	10/29/18		11/1/18	
	Technician	AWJ		AWJ	
1.	**OPERATING BLOWER**	**No. ~~1~~ 2**	**~~No. 2~~**	**No. ~~1~~ 2**	**~~No. 2~~**
A.	Noise or Vibration	~~No~~	Yes	~~No~~	Yes
B.	Measureable or Odoriferous Gas Leaks	(No)	Yes	No	Yes
C.	Upstream Vacuum (Inches WC)	19		19	
D.	Inlet Temperature (°F)	52		56	
E.	Discharge Pressure (In. WC)	2.5		2.5	
F.	Discharge Temperature (°F)	96		110	
2.	**BLOWER CONTROL PANEL**	**Blower No. 1**	**Blower No. 2**	**Blower No. 1**	**Blower No. 2**
A.	Disconnect Switch	(ON) OFF	(ON) OFF	(ON) OFF	(ON) OFF
B.	Hour Meter	013479	19385.5	013547	19795.2
C.	Blower Running Light	ON ~~OFF~~	(ON) OFF	ON ~~OFF~~	(ON) OFF
D.	Blower Switch	Hand ~~Off~~ Auto	Hand Off ~~Auto~~	Hand ~~Off~~ Auto	Hand Off ~~Auto~~
E.	Blower 1 or 2 Current Alarm	ON	~~OFF~~	ON	~~OFF~~
F.	High Motor Current Alarm	ON	~~OFF~~	ON	~~OFF~~
G.	Flow Meter (CFM), Min & Max	1300	*100 &1300*	1350	*100 &1300*
H.	Reset Alarm				
3.	**FLARE CONTROL PANEL**				
A.	Panel Power Switch	(ON)	OFF	(ON)	OFF
B.	Panel Power Light	(ON)	OFF	(ON)	OFF
C.	Start-Up Sequence Switch	Manual	~~Auto~~	Manual	~~Auto~~
D.	Local Unit Control Switch	Stop	(Start / Run)	Stop	(Start / Run)
E.	Unit Stop				
F.	Security Light	(ON)	OFF	(ON)	OFF
G.	Purge Start				
H.	Low Purge Air Flow, Red Light	ON	~~OFF~~	ON	~~OFF~~
I.	Purging, Blue Light	ON	~~OFF~~	ON	~~OFF~~
J.	Purge Complete, Amber Light	ON	~~OFF~~	ON	~~OFF~~
K.	Ignition Start				
L.	Pilot Gas On, Green Light	(ON)	OFF	(ON)	OFF
M.	Flame Proved, Green Light	(ON)	OFF	(ON)	OFF
N.	Waste Inlet Valve	Close Open ~~Auto~~		Close Open ~~Auto~~	
O.	Waste Gas On, Green Light	(ON)	OFF	(ON)	OFF
P.	Flare Reset				
Q.	Waste Gas Blower Failure, Red Light	ON	~~OFF~~	ON	~~OFF~~
R.	High Flare Temperature, Red Light	ON	~~OFF~~	ON	~~OFF~~
S.	Flare Failure, Red Light	ON	~~OFF~~	ON	~~OFF~~
4.	**FLARE**				
A.	Flame Condition	(GOOD)	N/S	(GOOD)	N/S
B.	Abnormal Burner Hotspots	YES	(NO)	YES	(NO)
C.	Unusual Sounds or Odors	YES	(NO)	YES	(NO)
D.	Damper Motor Running	(YES)	NO	(YES)	NO
E.	Manual Damper Position	90 To CLOSED		90 To CLOSED	
5.	**PIPING**				
A.	General Condition	(GOOD)	N/S	(GOOD)	N/S
B.	Propane Tank Press. (PSIG)	55/55		75/100	
C.	Inlet Valve Position	OPEN		OPEN	
D.	LFG Flowrate (CFM)	1349		1308	
E.	Gauges Operational?	(YES)	NO	(YES)	NO
F.	Nitrogen Pressure (PSIG)	65/600		40/600	
6.	**SITE CONDITION**				
	Vandalism, Cleanliness	(GOOD)	N/S	(GOOD)	N/S

FORM LFG-1
WEEKLY (TWICE WEEKLY) INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PELHAM BAY LANDFILL

	Date / Time	11/5/18		11/8/18	
	Technician	AMD		AMD	
1.	**OPERATING BLOWER**	~~No. 1~~ 2	~~No. 2~~	~~No. 1~~ 2	~~No. 2~~
A.	Noise or Vibration	~~No~~	Yes	~~No~~	Yes
B.	Measureable or Odoriferous Gas Leaks	~~No~~	Yes	~~No~~	Yes
C.	Upstream Vacuum (Inches WC)	18		20	
D.	Inlet Temperature (°F)	50		54	
E.	Discharge Pressure (In. WC)	2.5		2.0	
F.	Discharge Temperature (°F)	102		106	
2.	**BLOWER CONTROL PANEL**	**Blower No. 1**	**Blower No. 2**	**Blower No. 1**	**Blower No. 2**
A.	Disconnect Switch	~~ON~~ OFF	~~ON~~ OFF	~~ON~~ OFF	~~ON~~ OFF
B.	Hour Meter	20347.9	20695.2	20347.9	21656.3
C.	Blower Running Light	ON ~~OFF~~	~~ON~~ OFF	ON ~~OFF~~	~~ON~~ OFF
D.	Blower Switch	Hand ~~Off~~ Auto	Hand Off ~~Auto~~	Hand ~~Off~~ Auto	Hand Off ~~Auto~~
E.	Blower 1 or 2 Current Alarm	ON	~~OFF~~	ON	~~OFF~~
F.	High Motor Current Alarm	ON	~~OFF~~	ON	~~OFF~~
G.	Flow Meter (CFM), Min & Max	1350	*100 &1300*	1350	*100 &1300*
H.	Reset Alarm				
3.	**FLARE CONTROL PANEL**				
A.	Panel Power Switch	~~ON~~	OFF	~~ON~~	OFF
B.	Panel Power Light	~~ON~~	OFF	~~ON~~	OFF
C.	Start-Up Sequence Switch	Manual	~~Auto~~	Manual	~~Auto~~
D.	Local Unit Control Switch	Stop	~~Start / Run~~	Stop	~~Start / Run~~
E.	Unit Stop				
F.	Security Light	~~ON~~	OFF	~~ON~~	OFF
G.	Purge Start				
H.	Low Purge Air Flow, Red Light	ON	~~OFF~~	ON	~~OFF~~
I.	Purging, Blue Light	ON	~~OFF~~	ON	~~OFF~~
J.	Purge Complete, Amber Light	ON	~~OFF~~	ON	~~OFF~~
K.	Ignition Start				
L.	Pilot Gas On, Green Light	~~ON~~	OFF	~~ON~~	OFF
M.	Flame Proved, Green Light	~~ON~~	OFF	~~ON~~	OFF
N.	Waste Inlet Valve	Close Open ~~Auto~~		Close Open ~~Auto~~	
O.	Waste Gas On, Green Light	~~ON~~	OFF	~~ON~~	OFF
P.	Flare Reset				
Q.	Waste Gas Blower Failure, Red Light	ON	~~OFF~~	ON	~~OFF~~
R.	High Flare Temperature, Red Light	ON	~~OFF~~	ON	~~OFF~~
S.	Flare Failure, Red Light	ON	~~OFF~~	ON	~~OFF~~
4.	**FLARE**				
A.	Flame Condition	~~GOOD~~	N/S	~~GOOD~~	N/S
B.	Abnormal Burner Hotspots	YES	~~NO~~	YES	~~NO~~
C.	Unusual Sounds or Odors	YES	~~NO~~	YES	~~NO~~
D.	Damper Motor Running	~~YES~~	NO	~~YES~~	NO
E.	Manual Damper Position	70% CLOSED		70% CLOSED	
5.	**PIPING**				
A.	General Condition	~~GOOD~~	N/S	~~GOOD~~	N/S
B.	Propane Tank Press. (PSIG)	50/80		40/70	
C.	Inlet Valve Position	OPEN		OPEN	
D.	LFG Flowrate (CFM)	1340		1328	
E.	Gauges Operational?	~~YES~~	NO	~~YES~~	NO
F.	Nitrogen Pressure (PSIG)	20/150		125/1900	
6.	**SITE CONDITION**				
	Vandalism, Cleanliness	~~GOOD~~	N/S	~~GOOD~~	N/S

FORM LFG-1
WEEKLY (TWICE WEEKLY) INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PELHAM BAY LANDFILL

	Date / Time	11/12/18		11/15/18	
	Technician	AMD		AMD	
1.	**OPERATING BLOWER**	**No. ~~1~~ 2**	**~~No. 2~~**	**No. ~~1~~ 2**	**~~No. 2~~**
A.	Noise or Vibration	~~No~~	Yes	~~No~~	Yes
B.	Measureable or Odoriferous Gas Leaks	~~No~~	Yes	~~No~~	Yes
C.	Upstream Vacuum (Inches WC)	18		19	
D.	Inlet Temperature (°F)	50		90	
E.	Discharge Pressure (In. WC)	25		25	
F.	Discharge Temperature (°F)	100		96	
2.	**BLOWER CONTROL PANEL**	**Blower No. 1**	**Blower No. 2**	**Blower No. 1**	**Blower No. 2**
A.	Disconnect Switch	~~ON~~ OFF	~~ON~~ OFF	~~ON~~ OFF	~~ON~~ OFF
B.	Hour Meter	01347.9	22609.6	01357.9	22620.3
C.	Blower Running Light	ON ~~OFF~~	~~ON~~ OFF	ON ~~OFF~~	~~ON~~ OFF
D.	Blower Switch	Hand ~~Off~~ Auto	Hand Off ~~Auto~~	Hand ~~Off~~ Auto	Hand Off ~~Auto~~
E.	Blower 1 or 2 Current Alarm	ON	~~OFF~~	ON	~~OFF~~
F.	High Motor Current Alarm	ON	~~OFF~~	ON	~~OFF~~
G.	Flow Meter (CFM), Min & Max	1350	*100 &1300*	1300	*100 &1300*
H.	Reset Alarm				
3.	**FLARE CONTROL PANEL**				
A.	Panel Power Switch	~~ON~~	OFF	~~ON~~	OFF
B.	Panel Power Light	~~ON~~	OFF	~~ON~~	OFF
C.	Start-Up Sequence Switch	Manual	~~Auto~~	Manual	~~Auto~~
D.	Local Unit Control Switch	Stop	~~Start / Run~~	Stop	~~Start / Run~~
E.	Unit Stop				
F.	Security Light	~~ON~~	OFF	~~ON~~	OFF
G.	Purge Start				
H.	Low Purge Air Flow, Red Light	ON	~~OFF~~	ON	~~OFF~~
I.	Purging, Blue Light	ON	~~OFF~~	ON	~~OFF~~
J.	Purge Complete, Amber Light	ON	~~OFF~~	ON	~~OFF~~
K.	Ignition Start				
L.	Pilot Gas On, Green Light	~~ON~~	OFF	~~ON~~	OFF
M.	Flame Proved, Green Light	~~ON~~	OFF	~~ON~~	OFF
N.	Waste Inlet Valve	Close Open ~~Auto~~		Close Open ~~Auto~~	
O.	Waste Gas On, Green Light	~~ON~~	OFF	~~ON~~	OFF
P.	Flare Reset				
Q.	Waste Gas Blower Failure, Red Light	ON	~~OFF~~	ON	~~OFF~~
R.	High Flare Temperature, Red Light	ON	~~OFF~~	ON	~~OFF~~
S.	Flare Failure, Red Light	ON	~~OFF~~	ON	~~OFF~~
4.	**FLARE**				
A.	Flame Condition	~~GOOD~~	N/S	~~GOOD~~	N/S
B.	Abnormal Burner Hotspots	YES	~~NO~~	YES	~~NO~~
C.	Unusual Sounds or Odors	YES	~~NO~~	YES	~~NO~~
D.	Damper Motor Running	~~YES~~	NO	~~YES~~	NO
E.	Manual Damper Position	90 (40-50)		90 (40-50)	
5.	**PIPING**				
A.	General Condition	~~GOOD~~	N/S	~~GOOD~~	N/S
B.	Propane Tank Press. (PSIG)	65/100		60/80	
C.	Inlet Valve Position	OPEN		OPEN	
D.	LFG Flowrate (CFM)	1510		1415	
E.	Gauges Operational?	~~YES~~	NO	~~YES~~	NO
F.	Nitrogen Pressure (PSIG)	100/1500		20/1200	
6.	**SITE CONDITION**				
	Vandalism, Cleanliness	~~GOOD~~	N/S	~~GOOD~~	N/S

FORM LFG-1
WEEKLY (TWICE WEEKLY) INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PELHAM BAY LANDFILL

	Date / Time	11/9/18 (AM)		11/23/18 (AM)	
	Technician				
1.	**OPERATING BLOWER**	**No. 1 2**	**No. 2**	**No. 1 2**	**No. 2**
A.	Noise or Vibration	No	Yes	No	Yes
B.	Measureable or Odoriferous Gas Leaks	No	Yes	No	Yes
C.	Upstream Vacuum (Inches WC)	10		18	
D.	Inlet Temperature (°F)	44		42	
E.	Discharge Pressure (In. WC)	2.5		2.5	
F.	Discharge Temperature (°F)	92		84	
2.	**BLOWER CONTROL PANEL**	**Blower No. 1**	**Blower No. 2**	**Blower No. 1**	**Blower No. 2**
A.	Disconnect Switch	ON / OFF	ON / OFF	ON / OFF	ON / OFF
B.	Hour Meter	01379	24958.3	01347.9	
C.	Blower Running Light	ON / OFF	ON / OFF	ON / OFF	ON / OFF
D.	Blower Switch	Hand / Off / Auto	Hand / Off / Auto	Hand / Off / Auto	Hand / Off / Auto
E.	Blower 1 or 2 Current Alarm	ON	OFF	ON	OFF
F.	High Motor Current Alarm	ON	OFF	ON	OFF
G.	Flow Meter (CFM), Min & Max	1350	*100 &1300*	1360	*100 &1300*
H.	Reset Alarm				
3.	**FLARE CONTROL PANEL**				
A.	Panel Power Switch	ON	OFF	ON	OFF
B.	Panel Power Light	ON	OFF	ON	OFF
C.	Start-Up Sequence Switch	Manual	Auto	Manual	Auto
D.	Local Unit Control Switch	Stop	Start / Run	Stop	Start / Run
E.	Unit Stop				
F.	Security Light	ON	OFF	ON	OFF
G.	Purge Start				
H.	Low Purge Air Flow, Red Light	ON	OFF	ON	OFF
I.	Purging, Blue Light	ON	OFF	ON	OFF
J.	Purge Complete, Amber Light	ON	OFF	ON	OFF
K.	Ignition Start				
L.	Pilot Gas On, Green Light	ON	OFF	ON	OFF
M.	Flame Proved, Green Light	ON	OFF	ON	OFF
N.	Waste Inlet Valve	Close / Open / Auto		Close / Open / Auto	
O.	Waste Gas On, Green Light	ON	OFF	ON	OFF
P.	Flare Reset				
Q.	Waste Gas Blower Failure, Red Light	ON	OFF	ON	OFF
R.	High Flare Temperature, Red Light	ON	OFF	ON	OFF
S.	Flare Failure, Red Light	ON	OFF	ON	OFF
4.	**FLARE**				
A.	Flame Condition	GOOD	N/S	GOOD	N/S
B.	Abnormal Burner Hotspots	YES	NO	YES	NO
C.	Unusual Sounds or Odors	YES	NO	YES	NO
D.	Damper Motor Running	YES	NO	YES	NO
E.	Manual Damper Position	90% (OPEN)		90% (OPEN)	
5.	**PIPING**				
A.	General Condition	GOOD	N/S	GOOD	N/S
B.	Propane Tank Press. (PSIG)	50/80		50/80	
C.	Inlet Valve Position	OPEN		OPEN	
D.	LFG Flowrate (CFM)	1402		1286	
E.	Gauges Operational?	YES	NO	YES	NO
F.	Nitrogen Pressure (PSIG)	70/90		70/90	
6.	**SITE CONDITION**				
	Vandalism, Cleanliness	GOOD	N/S	GOOD	N/S

FORM LFG-1
WEEKLY (TWICE WEEKLY) INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PELHAM BAY LANDFILL

	Date / Time	11/26/18		11/29/18	
	Technician	AMD		AMD	
1.	**OPERATING BLOWER**	**No. # 2**	**No. 2**	**No. # 2**	**No. 2**
A.	Noise or Vibration	No	Yes	No	Yes
B.	Measureable or Odoriferous Gas Leaks	No	Yes	No	Yes
C.	Upstream Vacuum (Inches WC)	16		20	
D.	Inlet Temperature (°F)	40		38	
E.	Discharge Pressure (In. WC)	25		25	
F.	Discharge Temperature (°F)	57		54	
2.	**BLOWER CONTROL PANEL**	**Blower No. 1**	**Blower No. 2**	**Blower No. 1**	**Blower No. 2**
A.	Disconnect Switch	ON OFF	ON OFF	ON OFF	ON OFF
B.	Hour Meter	01347.9	26349.6	01347.9	28303.4
C.	Blower Running Light	ON OFF	ON OFF	ON OFF	ON OFF
D.	Blower Switch	Hand Off Auto	Hand Off Auto	Hand Off Auto	Hand Off Auto
E.	Blower 1 or 2 Current Alarm	ON	OFF	ON	OFF
F.	High Motor Current Alarm	ON	OFF	ON	OFF
G.	Flow Meter (CFM), Min & Max	1300	100 &1300	1350	100 &1300
H.	Reset Alarm				
3.	**FLARE CONTROL PANEL**				
A.	Panel Power Switch	ON	OFF	ON	OFF
B.	Panel Power Light	ON	OFF	ON	OFF
C.	Start-Up Sequence Switch	Manual	Auto	Manual	Auto
D.	Local Unit Control Switch	Stop	Start / Run	Stop	Start / Run
E.	Unit Stop				
F.	Security Light	ON	OFF	ON	OFF
G.	Purge Start				
H.	Low Purge Air Flow, Red Light	ON	OFF	ON	OFF
I.	Purging, Blue Light	ON	OFF	ON	OFF
J.	Purge Complete, Amber Light	ON	OFF	ON	OFF
K.	Ignition Start				
L.	Pilot Gas On, Green Light	ON	OFF	ON	OFF
M.	Flame Proved, Green Light	ON	OFF	ON	OFF
N.	Waste Inlet Valve	Close Open Auto		Close Open Auto	
O.	Waste Gas On, Green Light	ON	OFF	ON	OFF
P.	Flare Reset				
Q.	Waste Gas Blower Failure, Red Light	ON	OFF	ON	OFF
R.	High Flare Temperature, Red Light	ON	OFF	ON	OFF
S.	Flare Failure, Red Light	ON	OFF	ON	OFF
4.	**FLARE**				
A.	Flame Condition	GOOD	N/S	GOOD	N/S
B.	Abnormal Burner Hotspots	YES	NO	YES	NO
C.	Unusual Sounds or Odors	YES	NO	YES	NO
D.	Damper Motor Running	YES	NO	YES	NO
E.	Manual Damper Position	90% CLOSED		90% CLOSED	
5.	**PIPING**				
A.	General Condition	GOOD	N/S	GOOD	N/S
B.	Propane Tank Press. (PSIG)	50/70		60/70	
C.	Inlet Valve Position	OPEN		OPEN	
D.	LFG Flowrate (CFM)	1375		1361	
E.	Gauges Operational?	YES	NO	YES	NO
F.	Nitrogen Pressure (PSIG)	70/100		120/100	
6.	**SITE CONDITION**				
	Vandalism, Cleanliness	GOOD	N/S	GOOD	N/S

FORM LFG-1
WEEKLY (TWICE WEEKLY) INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PELHAM BAY LANDFILL

	Date / Time	12/3/18		12-6-18	11:36a
	Technician	AM		EM	
1.	**OPERATING BLOWER**	**No. 1**	**No. 2**	**No. 1**	**No. 2**
A.	Noise or Vibration	No	Yes	No	Yes
B.	Measureable or Odoriferous Gas Leaks	No	Yes	No	Yes
C.	Upstream Vacuum (Inches WC)	14			15
D.	Inlet Temperature (°F)	46			41
E.	Discharge Pressure (In. WC)	2.5			2.6
F.	Discharge Temperature (°F)	92			92
2.	**BLOWER CONTROL PANEL**	**Blower No. 1**	**Blower No. 2**	**Blower No. 1**	**Blower No. 2**
A.	Disconnect Switch	ON / OFF	ON / OFF	ON / OFF	ON / OFF
B.	Hour Meter	01541.9	29262.3	01341.9	30649.5
C.	Blower Running Light	ON / OFF	ON / OFF	ON / OFF	ON / OFF
D.	Blower Switch	Hand / Off / Auto	Hand / Off / Auto	Hand / Off / Auto	Hand / Off / Auto
E.	Blower 1 or 2 Current Alarm	ON	OFF	ON	OFF
F.	High Motor Current Alarm	ON	OFF	ON	OFF
G.	Flow Meter (CFM), Min & Max	1300	*100 &1300*		*100 &1300*
H.	Reset Alarm				
3.	**FLARE CONTROL PANEL**				
A.	Panel Power Switch	ON	OFF	ON	OFF
B.	Panel Power Light	ON	OFF	ON	OFF
C.	Start-Up Sequence Switch	Manual	Auto	Manual	Auto
D.	Local Unit Control Switch	Stop	Start / Run	Stop	Start / Run
E.	Unit Stop				
F.	Security Light	ON	OFF	ON	OFF
G.	Purge Start				
H.	Low Purge Air Flow, Red Light	ON	OFF	ON	OFF
I.	Purging, Blue Light	ON	OFF	ON	OFF
J.	Purge Complete, Amber Light	ON	OFF	ON	OFF
K.	Ignition Start				
L.	Pilot Gas On, Green Light	ON	OFF	ON	OFF
M.	Flame Proved, Green Light	ON	OFF	ON	OFF
N.	Waste Inlet Valve	Close / Open / Auto		Close / Open / Auto	
O.	Waste Gas On, Green Light	ON	OFF	ON	OFF
P.	Flare Reset				
Q.	Waste Gas Blower Failure, Red Light	ON	OFF	ON	OFF
R.	High Flare Temperature, Red Light	ON	OFF	ON	OFF
S.	Flare Failure, Red Light	ON	OFF	ON	OFF
4.	**FLARE**				
A.	Flame Condition	GOOD	N/S	GOOD	N/S
B.	Abnormal Burner Hotspots	YES	NO	YES	NO
C.	Unusual Sounds or Odors	YES	NO	YES	NO
D.	Damper Motor Running	YES	NO	YES	NO
E.	Manual Damper Position	90% CLOSED		90% CLOSED	
5.	**PIPING**				
A.	General Condition	GOOD	N/S	GOOD	N/S
B.	Propane Tank Press. (PSIG)	60/90		60/90	
C.	Inlet Valve Position	OPEN		OPEN	
D.	LFG Flowrate (CFM)	1268		1351	
E.	Gauges Operational?	YES	NO	YES	NO
F.	Nitrogen Pressure (PSIG)	100/1500		100/1200	
6.	**SITE CONDITION**				
	Vandalism, Cleanliness	GOOD	N/S	GOOD	N/S

FORM LFG-1
WEEKLY (TWICE WEEKLY) INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PELHAM BAY LANDFILL

	Date / Time	12-11-18,	10:22a	12/14/18	AMD
	Technician	EM		AMD	
1.	**OPERATING BLOWER**	**No. 1**	**No. 2**	**No. 1**	**No. 2**
A.	Noise or Vibration	(No)	Yes	No	Yes
B.	Measureable or Odoriferous Gas Leaks	(No)	Yes	No	Yes
C.	Upstream Vacuum (Inches WC)	16		18	
D.	Inlet Temperature (°F)	40		44	
E.	Discharge Pressure (In. WC)	2.0		2-5	
F.	Discharge Temperature (°F)	84		91	
2.	**BLOWER CONTROL PANEL**	**Blower No. 1**	**Blower No. 2**	**Blower No. 1**	**Blower No. 2**
A.	Disconnect Switch	(ON) OFF	(ON) OFF	(ON) OFF	(ON) OFF
B.	Hour Meter	0134.9	31563.7	01347.9	32795.7
C.	Blower Running Light	ON (OFF)	(ON) OFF	(ON) OFF	(ON) OFF
D.	Blower Switch	Hand (Off) Auto	Hand Off (Auto)	Hand Off Auto	Hand Off (Auto)
E.	Blower 1 or 2 Current Alarm	ON	(OFF)	ON	(OFF)
F.	High Motor Current Alarm	ON	(OFF)	ON	(OFF)
G.	Flow Meter (CFM), Min & Max		100 &1300	1300	100 &1300
H.	Reset Alarm				
3.	**FLARE CONTROL PANEL**				
A.	Panel Power Switch	(ON)	OFF	(ON)	OFF
B.	Panel Power Light	(ON)	OFF	(ON)	OFF
C.	Start-Up Sequence Switch	Manual	(Auto)	Manual	(Auto)
D.	Local Unit Control Switch	Stop	(Start / Run)	Stop	(Start / Run)
E.	Unit Stop				
F.	Security Light	ON	(OFF)	(ON)	OFF
G.	Purge Start				
H.	Low Purge Air Flow, Red Light	ON	(OFF)	ON	(OFF)
I.	Purging, Blue Light	ON	(OFF)	ON	(OFF)
J.	Purge Complete, Amber Light	ON	(OFF)	ON	(OFF)
K.	Ignition Start				
L.	Pilot Gas On, Green Light	ON	(OFF)	ON	(OFF)
M.	Flame Proved, Green Light	(ON)	OFF	(ON)	OFF
N.	Waste Inlet Valve	Close Open	(Auto)	Close Open	(Auto)
O.	Waste Gas On, Green Light	(ON)	OFF	(ON)	OFF
P.	Flare Reset				
Q.	Waste Gas Blower Failure, Red Light	ON	(OFF)	ON	(OFF)
R.	High Flare Temperature, Red Light	ON	(OFF)	ON	(OFF)
S.	Flare Failure, Red Light	ON	(OFF)	ON	(OFF)
4.	**FLARE**				
A.	Flame Condition	(GOOD)	N/S	(GOOD)	N/S
B.	Abnormal Burner Hotspots	YES	(NO)	YES	(NO)
C.	Unusual Sounds or Odors	YES	(NO)	YES	(NO)
D.	Damper Motor Running	(YES)	NO	(YES)	NO
E.	Manual Damper Position	40% Open's		90% (Closed)	
5.	**PIPING**				
A.	General Condition	GOOD	N/S	(GOOD)	N/S
B.	Propane Tank Press. (PSIG)			300/100	
C.	Inlet Valve Position	OPEN		OPEN	
D.	LFG Flowrate (CFM)	1300		1300	
E.	Gauges Operational?	(YES)	NO	(YES)	NO
F.	Nitrogen Pressure (PSIG)	1100 1500		100/1500	
6.	**SITE CONDITION**				
	Vandalism, Cleanliness	(GOOD)	N/S	(GOOD)	N/S

FORM LFG-1
WEEKLY (TWICE WEEKLY) INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PELHAM BAY LANDFILL

	Date / Time	12/17/15		12/28/18	
	Technician	AMD		AMD	
1.	**OPERATING BLOWER**	**No. 1**	**No. 2**	**No. 1**	**No. 2**
A.	Noise or Vibration	No	Yes	No	Yes
B.	Measureable or Odoriferous Gas Leaks	No	Yes	No	Yes
C.	Upstream Vacuum (Inches WC)	19		18	
D.	Inlet Temperature (°F)	43		38	
E.	Discharge Pressure (In. WC)	2.5		2.5	
F.	Discharge Temperature (°F)	88		88	
2.	**BLOWER CONTROL PANEL**	**Blower No. 1**	**Blower No. 2**	**Blower No. 1**	**Blower No. 2**
A.	Disconnect Switch	ON / OFF	ON / OFF	ON / OFF	ON / OFF
B.	Hour Meter	01347.9	33265.9	01347.9	34472.4
C.	Blower Running Light	ON / OFF	ON / OFF	ON / OFF	ON / OFF
D.	Blower Switch	Hand / Off / Auto	Hand / Off / Auto	Hand / Off / Auto	Hand / Off / Auto
E.	Blower 1 or 2 Current Alarm	ON	OFF	ON	OFF
F.	High Motor Current Alarm	ON	OFF	ON	OFF
G.	Flow Meter (CFM), Min & Max	1350	100 &1300	1300	100 &1300
H.	Reset Alarm				
3.	**FLARE CONTROL PANEL**				
A.	Panel Power Switch	ON	OFF	ON	OFF
B.	Panel Power Light	ON	OFF	ON	OFF
C.	Start-Up Sequence Switch	Manual	Auto	Manual	Auto
D.	Local Unit Control Switch	Stop	Start / Run	Stop	Start / Run
E.	Unit Stop				
F.	Security Light	ON	OFF	ON	OFF
G.	Purge Start				
H.	Low Purge Air Flow, Red Light	ON	OFF	ON	OFF
I.	Purging, Blue Light	ON	OFF	ON	OFF
J.	Purge Complete, Amber Light	ON	OFF	ON	OFF
K.	Ignition Start				
L.	Pilot Gas On, Green Light	ON	OFF	ON	OFF
M.	Flame Proved, Green Light	ON	OFF	ON	OFF
N.	Waste Inlet Valve	Close / Open / Auto		Close / Open / Auto	
O.	Waste Gas On, Green Light	ON	OFF	ON	OFF
P.	Flare Reset				
Q.	Waste Gas Blower Failure, Red Light	ON	OFF	ON	OFF
R.	High Flare Temperature, Red Light	ON	OFF	ON	OFF
S.	Flare Failure, Red Light	ON	OFF	ON	OFF
4.	**FLARE**				
A.	Flame Condition	GOOD	N/S	GOOD	N/S
B.	Abnormal Burner Hotspots	YES	NO	YES	NO
C.	Unusual Sounds or Odors	YES	NO	YES	NO
D.	Damper Motor Running	YES	NO	YES	NO
E.	Manual Damper Position	90% CLOSED		90% CLOSED	
5.	**PIPING**				
A.	General Condition	GOOD	N/S	GOOD	N/S
B.	Propane Tank Press. (PSIG)	50/60		60/75	
C.	Inlet Valve Position	OPEN		OPEN	
D.	LFG Flowrate (CFM)	1203		1253	
E.	Gauges Operational?	YES	NO	YES	NO
F.	Nitrogen Pressure (PSIG)	20/60		100/600	
6.	**SITE CONDITION**				
	Vandalism, Cleanliness	GOOD	N/S	GOOD	N/S

FORM LFG-1
WEEKLY (TWICE WEEKLY) INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PELHAM BAY LANDFILL

	Date / Time	12/24/18		12/27/18	
	Technician	BM		AMO	
1.	**OPERATING BLOWER**	**No. 1**	**No. 2**	**No. 1**	**No. 2**
A.	Noise or Vibration	No	Yes	No	Yes
B.	Measureable or Odoriferous Gas Leaks	No	Yes	No	Yes
C.	Upstream Vacuum (Inches WC)	18		19	
D.	Inlet Temperature (°F)	37		40	
E.	Discharge Pressure (In. WC)	2.5		2.5	
F.	Discharge Temperature (°F)	86		86	
2.	**BLOWER CONTROL PANEL**	**Blower No. 1**	**Blower No. 2**	**Blower No. 1**	**Blower No. 2**
A.	Disconnect Switch	ON / OFF	ON / OFF	ON / OFF	ON / OFF
B.	Hour Meter	01347	35939.8	01347	35941.6
C.	Blower Running Light	ON / OFF	ON / OFF	ON / OFF	ON / OFF
D.	Blower Switch	Hand / Off / Auto	Hand / Off / Auto	Hand / Off / Auto	Hand / Off / Auto
E.	Blower 1 or 2 Current Alarm	ON	OFF	ON	OFF
F.	High Motor Current Alarm	ON	OFF	ON	OFF
G.	Flow Meter (CFM), Min & Max	1300	100 &1300	1350	100 &1300
H.	Reset Alarm				
3.	**FLARE CONTROL PANEL**				
A.	Panel Power Switch	ON	OFF	ON	OFF
B.	Panel Power Light	ON	OFF	ON	OFF
C.	Start-Up Sequence Switch	Manual	Auto	Manual	Auto
D.	Local Unit Control Switch	Stop	Start / Run	Stop	Start / Run
E.	Unit Stop				
F.	Security Light	ON	OFF	ON	OFF
G.	Purge Start				
H.	Low Purge Air Flow, Red Light	ON	OFF	ON	OFF
I.	Purging, Blue Light	ON	OFF	ON	OFF
J.	Purge Complete, Amber Light	ON	OFF	ON	OFF
K.	Ignition Start				
L.	Pilot Gas On, Green Light	ON	OFF	ON	OFF
M.	Flame Proved, Green Light	ON	OFF	ON	OFF
N.	Waste Inlet Valve	Close / Open / Auto		Close / Open / Auto	
O.	Waste Gas On, Green Light	ON	OFF	ON	OFF
P.	Flare Reset				
Q.	Waste Gas Blower Failure, Red Light	ON	OFF	ON	OFF
R.	High Flare Temperature, Red Light	ON	OFF	ON	OFF
S.	Flare Failure, Red Light	ON	OFF	ON	OFF
4.	**FLARE**				
A.	Flame Condition	GOOD	N/S	GOOD	N/S
B.	Abnormal Burner Hotspots	YES	NO	YES	NO
C.	Unusual Sounds or Odors	YES	NO	YES	NO
D.	Damper Motor Running	YES	NO	YES	NO
E.	Manual Damper Position	10% CLOSED		10% CLOSED	
5.	**PIPING**				
A.	General Condition	GOOD	N/S	GOOD	N/S
B.	Propane Tank Press. (PSIG)	60/50		60/50	
C.	Inlet Valve Position	OPEN		OPEN	
D.	LFG Flowrate (CFM)	1162		1203	
E.	Gauges Operational?	YES	NO	YES	NO
F.	Nitrogen Pressure (PSIG)	30/1500		30/1200	
6.	**SITE CONDITION**				
	Vandalism, Cleanliness	GOOD	N/S	GOOD	N/S

FORM LFG-1
WEEKLY (TWICE WEEKLY) INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PELHAM BAY LANDFILL

	Date / Time	12/31/18			
	Technician	AM			
1.	**OPERATING BLOWER**	**No. 1**	**No. 2**	**No. 1**	**No. 2**
A.	Noise or Vibration	No	Yes	No	Yes
B.	Measureable or Odoriferous Gas Leaks	No	Yes	No	Yes
C.	Upstream Vacuum (Inches WC)	14			
D.	Inlet Temperature (°F)	38			
E.	Discharge Pressure (In. WC)	2.5			
F.	Discharge Temperature (°F)	86			
2.	**BLOWER CONTROL PANEL**	**Blower No. 1**	**Blower No. 2**	**Blower No. 1**	**Blower No. 2**
A.	Disconnect Switch	ON / OFF	ON / OFF	ON / OFF	ON / OFF
B.	Hour Meter	013417	036698		
C.	Blower Running Light	ON / OFF	ON / OFF	ON / OFF	ON / OFF
D.	Blower Switch	Hand / Off / Auto	Hand / Off / Auto	Hand / Off / Auto	Hand / Off / Auto
E.	Blower 1 or 2 Current Alarm	ON	OFF	ON	OFF
F.	High Motor Current Alarm	ON	OFF	ON	OFF
G.	Flow Meter (CFM), Min & Max	1350	*100 &1300*		*100 &1300*
H.	Reset Alarm				
3.	**FLARE CONTROL PANEL**				
A.	Panel Power Switch	ON	OFF	ON	OFF
B.	Panel Power Light	ON	OFF	ON	OFF
C.	Start-Up Sequence Switch	Manual	Auto	Manual	Auto
D.	Local Unit Control Switch	Stop	Start / Run	Stop	Start / Run
E.	Unit Stop				
F.	Security Light	ON	OFF	ON	OFF
G.	Purge Start				
H.	Low Purge Air Flow, Red Light	ON	OFF	ON	OFF
I.	Purging, Blue Light	ON	OFF	ON	OFF
J.	Purge Complete, Amber Light	ON	OFF	ON	OFF
K.	Ignition Start				
L.	Pilot Gas On, Green Light	ON	OFF	ON	OFF
M.	Flame Proved, Green Light	ON	OFF	ON	OFF
N.	Waste Inlet Valve	Close / Open / Auto		Close / Open / Auto	
O.	Waste Gas On, Green Light	ON	OFF	ON	OFF
P.	Flare Reset				
Q.	Waste Gas Blower Failure, Red Light	ON	OFF	ON	OFF
R.	High Flare Temperature, Red Light	ON	OFF	ON	OFF
S.	Flare Failure, Red Light	ON	OFF	ON	OFF
4.	**FLARE**				
A.	Flame Condition	GOOD	N/S	GOOD	N/S
B.	Abnormal Burner Hotspots	YES	NO	YES	NO
C.	Unusual Sounds or Odors	YES	NO	YES	NO
D.	Damper Motor Running	YES	NO	YES	NO
E.	Manual Damper Position	40% CLOSED			
5.	**PIPING**				
A.	General Condition	GOOD	N/S	GOOD	N/S
B.	Propane Tank Press. (PSIG)	60 / 90			
C.	Inlet Valve Position	OPEN			
D.	LFG Flowrate (CFM)	1160			
E.	Gauges Operational?	YES	NO	YES	NO
F.	Nitrogen Pressure (PSIG)	60 / 100			
6.	**SITE CONDITION**				
	Vandalism, Cleanliness	GOOD	N/S	GOOD	N/S

FORM LFG-2
PELHAM BAY LANDFILL
LANDFILL GAS MANAGEMENT SYSTEM
EXTRACTION WELL READINGS & INSPECTION

Weather: Sunny.
Barometric pressure: 30.47

Inspector: AMD **Date:** January 10, 2018

WELL ID	PERCENT BY VOLUME CH_4	CO_2	O_2	TEMP (^oF)	VAC. (in. WC) Measured on GEM	Valve Position	Notes
EW-01	12.7	14	1.2	63	-0.4	closed	
EW-02	8.4	14.3	0.3	65	-0.5	closed	
EW-03	3.8	17.5	0.7	67	-2.4	closed	
EW-05	27.4	18.1	0.4	100	-1.8	open	
EW-06	25.6	14.8	0.6	72	-2	open	
EW-08	25.4	13.8	4	88	-2	open	
EW-10	3.5	15.9	0.8	64	-7.1	closed	
EW-11	2	5.9	13.5	61	-5.3	closed	
EW-12	5.3	6.9	11.7	70	-6.8	closed	
EW-13	16.8	9.6	2.2	72	-7.8	closed	
EW-14	15.4	10.2	1	70	-1.74	closed	
EW-16	11.7	13.2	0.3	68	-1.2	closed	
EW-17	36.2	24.1	0.2	103	-2.88	open	
EW-18	14.3	14.6	0.4	69	-1.1	closed	
EW-19	19.2	15.6	0.1	68	-1.5	closed	
EW-20	24.4	15.1	1.7	90	-9.6	open	
EW-21	18.6	12.7	0.2	62	-0.2	closed	
EW-22	18.2	13.9	0.1	60	-0.3	closed	

WELL ID	CH4 CH_4	CO_2	O_2	TEMP (^oF)	VAC. (in. WC) Measured on GEM		GEM FLOW (cfm)	Valve Position	Comments
EW-04	34.2	20.2	0.8	98	-1.44			open	
EW-07	29.4	17	1.2	96	-1.4			open	
EW-09	26.2	17.6	1.1	-1.24	-1.24			open	
EW-15	32.2	20.6	0.5	108	-1.1			open	
Flare	27.2	15.2	0.9	74					

Time	PERCENT BY VOLUME CH_4	CO_2	O_2	GEM in. WC		Propane (psi) reg/tank	Chart FLOW (SCFM)	Blower Inlet Vacuum Gauge (in WC)	Nitrogen (psi) reg/tank	Comments
						10 reg psi		*0-100*	*120 reg psi*	← *Normal Range*
Reading										

Inspect Condition of Piping & Fittings Related to Operation, Possible Leakage, Heat Noise, Vandalism:	OK
Inspect Condition of Fence:	OK

Use a check (√) to indicate that the specific item has been inspected and no problems were noted. Use "NS" (not satisfactory) were problems are noted, and provide a description of the deficiency problem on Form DP-1.

FORM LFG-2
PELHAM BAY LANDFILL
LANDFILL GAS MANAGEMENT SYSTEM
EXTRACTION WELL READINGS & INSPECTION

Weather: Sunny.
Barometric pressure: 30.14

Inspector: AMD **Date:** February 15, 2018

WELL ID	PERCENT BY VOLUME CH_4	CO_2	O_2	TEMP (^oF)	VAC. (in. WC) Measured on GEM	Valve Position	Notes
EW-01	13.2	14.8	1	64	-1.2	closed	
EW-02	9.7	15.2	0.9	65	-1.28	closed	
EW-03	4.5	16.8	0.6	68	-1.8	closed	
EW-05	27.3	14.2	0.4	102	-0.9	open	
EW-06	23.8	16.4	0.8	71	-1.2	open	Gurgling
EW-08	28.3	17.2	0.7	90	-1.7	open	
EW-10	4.1	16.4	0.7	65	-6.2	closed	
EW-11	2.9	4.8	15.4	62	-6.3	closed	Need cap.
EW-12	7.2	8.2	10.2	71	-5.4	closed	Need cap.
EW-13	15.7	11.4	1.8	73	-6.5	closed	
EW-14	16.2	11	1.2	69	-1.62	closed	
EW-16	12.8	14.4	0.6	69	-0.8	closed	
EW-17	34	21.9	0.4	106	-0.7	open	
EW-18	15.6	15	0.6	70	-1.44	closed	
EW-19	18.4	16.4	0.3	69	-1.72	closed	
EW-20	25.2	16	1.2	91	-8.2	open	
EW-21	17.5	13.8	0.4	63	-0.66	closed	
EW-22	19.1	14.4	0.5	61	-1.5	closed	

WELL ID	CH4 CH_4	CO_2	O_2	TEMP (^oF)	VAC. (in. WC) Measured on GEM		GEM FLOW (cfm)	Valve Position	Comments
EW-04	40.5	21.9	0.7	102	-0.2			open	
EW-07	29.6	19.2	0.5	98	-0.6			open	
EW-09	28.4	18.1	1	97	-1.5			open	
EW-15	29.7	19.5	0.3	109	-0.3			open	
Flare	30.3	17.2	0.4	84					

Time	PERCENT BY VOLUME CH_4	CO_2	O_2	GEM in. WC		Propane (psi) reg/tank	Chart FLOW (SCFM)	Blower Inlet Vacuum Gauge (in WC)	Nitrogen (psi) reg/tank	Comments
						10 reg psi		*0-100*	*120 reg psi*	← *Normal Range*
Reading										

Inspect Condition of Piping & Fittings Related to Operation, Possible Leakage, Heat Noise, Vandalism:	OK
Inspect Condition of Fence:	OK

Use a check (√) to indicate that the specific item has been inspected and no problems were noted. Use "NS" (not satisfactory) were problems are noted, and provide a description of the deficiency problem on Form DP-1.

FORM LFG-2
PELHAM BAY LANDFILL
LANDFILL GAS MANAGEMENT SYSTEM
EXTRACTION WELL READINGS & INSPECTION

Weather: Sunny.
Barometric pressure: 29.88

Inspector: AMD **Date:** March 6, 2018

WELL ID	PERCENT BY VOLUME CH_4	CO_2	O_2	TEMP (^oF)	VAC. (in. WC) Measured on GEM	Valve Position	Notes
EW-01	10.8	12.4	0.9	65	-1.4	closed	
EW-02	11.6	15.9	1.4	66	-1.46	closed	
EW-03	5.7	15.3	0.9	67	-2.4	closed	
EW-05	29.8	15.6	0.7	103	-1.12	open	
EW-06	27.8	16.7	1.2	72	-1.48	open	
EW-08	24.2	16	0.9	91	-1.82	open	
EW-10	6.2	16.9	1	66	-5.8	closed	
EW-11	3.8	10.2	16.4	63	-5.2	closed	Need cap.
EW-12	9	10.6	8.4	70	-4	closed	Need cap.
EW-13	16.6	12.8	1.6	72	-5.2	closed	
EW-14	15.2	10.6	1	69	-2.44	closed	
EW-16	14.4	15.6	0.9	70	-1.24	closed	
EW-17	33	20.8	0.6	105	-1.12	open	
EW-18	16.4	15.8	1	71	-1.2	closed	
EW-19	19.8	17.2	0.6	70	-1.8	closed	
EW-20	22.7	15	0.9	92	-7.3	open	
EW-21	18.2	16.8	1.8	90	-1.4	closed	
EW-22	18.2	14	0.8	62	-1.8	closed	

WELL ID	CH4 CH_4	CO_2	O_2	TEMP (^oF)	VAC. (in. WC) Measured on GEM		GEM FLOW (cfm)	Valve Position	Comments
EW-04	38.6	20	0.9	103	-0.7			open	
EW-07	31.7	20.2	0.7	99	-1.2			open	
EW-09	30.2	18.8	0.6	98	-1.8			open	
EW-15	28.2	20.4	0.4	110	-1.12			open	
Flare	26.8	15.2	1	78					

Time	PERCENT BY VOLUME CH_4	CO_2	O_2	GEM in. WC		Propane (psi) reg/tank	Chart FLOW (SCFM)	Blower Inlet Vacuum Gauge (in WC)	Nitrogen (psi) reg/tank	Comments
						10 reg psi		*0-100*	*120 reg psi*	← *Normal Range*
Reading										

Inspect Condition of Piping & Fittings Related to Operation, Possible Leakage, Heat Noise, Vandalism:	OK
Inspect Condition of Fence:	OK

Use a check (√) to indicate that the specific item has been inspected and no problems were noted. Use "NS" (not satisfactory) were problems are noted, and provide a description of the deficiency problem on Form DP-1.

FORM LFG-2
PELHAM BAY LANDFILL
LANDFILL GAS MANAGEMENT SYSTEM
EXTRACTION WELL READINGS & INSPECTION

Weather: Sunny.
Barometric pressure: 29.91

Inspector: AMD **Date:** April 9, 2018

WELL ID	PERCENT BY VOLUME CH_4	CO_2	O_2	TEMP (°F)	VAC. (in. WC) Measured on GEM	Valve Position	Comments
EW-01	10.2	14.9	0.2	62	-0.8	Closed	
EW-02	8.1	14.1	0.1	65	-0.9	Closed	
EW-03	3.1	15.0	0.2	67	-3.1	Closed	Need cap.
EW-05	27.2	14.9	0.5	104	-1.46	Open	
EW-06	24.8	16.0	1.0	73	-1.84	Open	
EW-08	26.4	17.2	0.6	93	-1.44	Open	
EW-10	8.4	17.0	1.1	92	-1.64	Closed	
EW-11	4.2	9.8	15.8	65	-5.6	Closed	Need cap.
EW-12	11.2	12.4	7.7	71	-3.6	Closed	Need cap.
EW-13	18.2	13.2	2.4	73	-4.8	Closed	
EW-14	14.8	9.2	1.2	71	-2.2	Closed	
EW-16	16.2	16.0	1.0	71	-1.56	Closed	
EW-17	30.4	19.4	0.4	106	-2.2	Open	
EW-18	12.6	15.4	0.6	67	-1.8	Closed	
EW-19	16.9	14.4	0.3	66	-1.9	Closed	
EW-20	23.6	15.6	1.0	93	-6.6	Open	
EW-21	17.4	13.5	0.2	62	-1.2	Closed	
EW-22	14.9	15.1	0.3	59	-0.9	Closed	

WELL ID	PERCENT BY VOLUME CH_4	CO_2	O_2	TEMP (°F)	VAC. (in. WC) Measured on GEM		GEM FLOW (cfm)	Valve Position	Comments
EW-04	39.4	21.0	0.7	104	-1.2			Open	
EW-07	30.2	19.6	0.5	100	-1.4			Open	
EW-09	28.6	17.2	0.8	100	-1.2			Open	
EW-15	31.2	20.8	0.5	111	-1.84			Open	
Flare	27.2	15.4	0.9	90					

Time	PERCENT BY VOLUME CH_4	CO_2	O_2	GEM in. WC		Propane (psi) reg/tank	Chart FLOW (SCFM)	Blower Inlet Vacuum Gauge (in WC)	Nitrogen (psi) reg/tank	Comments
						10 reg psi		*0-100*	*120 reg psi*	← *Normal Range*
Reading										

Inspect Condition of Piping & Fittings Related to Operation, Possible Leakage, Heat Noise, Vandalism:	OK
Inspect Condition of Fence:	OK

Use a check (√) to indicate that the specific item has been inspected and no problems were noted. Use "NS" (not satisfactory) were problems are noted, and provide a description of the deficiency problem on Form DP-1.

FORM LFG-2
PELHAM BAY LANDFILL
LANDFILL GAS MANAGEMENT SYSTEM
EXTRACTION WELL READINGS & INSPECTION

Weather: Cloudy
Barometric pressure: 29.98

Inspector: AMD **Date:** May 17, 2018

WELL ID	PERCENT BY VOLUME CH_4	CO_2	O_2	TEMP (°F)	VAC. (in. WC) Measured on GEM	Valve Position	Comments
EW-01	9.1	13.8	0.3	63	-1.2	Closed	
EW-02	10.4	15.0	0.6	66	-1.4	Closed	
EW-03	1.2	11.1	7.8	73	-2.5	Closed	Need cap.
EW-05	22.9	15.3	1.4	103	-1.9	Open	
EW-06	27.2	15.2	0.6	74	-2.7	Open	
EW-08	24.2	12.9	1.8	91	-2.4	Open	
EW-10	2.0	13.7	3.8	71	-4.3	Closed	
EW-11	6.7	10.6	15.4	66	-5.8	Closed	Need cap.
EW-12	12.6	13.8	7.6	72	-3.0	Closed	Need cap.
EW-13	17.2	14.8	1.8	73	-5.2	Closed	
EW-14	15.2	10.6	1.8	72	-2.4	Closed	
EW-16	17.2	16.4	1.2	70	-1.6	Closed	
EW-17	28.6	19.5	0.9	106	-1.7	Open	
EW-18	17.0	14.8	0.5	68	-1.4	Closed	
EW-19	16.2	14.0	0.6	67	-1.2	Closed	
EW-20	21.1	12.0	0.8	89	-1.8	Open	
EW-21	16.8	12.8	0.4	63	-2.2	Closed	
EW-22	15.6	15.8	0.5	60	-0.8	Closed	

WELL ID	PERCENT BY VOLUME CH_4	CO_2	O_2	TEMP (°F)	VAC. (in. WC) Measured on GEM		GEM FLOW (cfm)	Valve Position	Comments
EW-04	37.8	22.1	0.5	100	-0.9			Open	
EW-07	28.1	17.1	0.3	98	-1.2			Open	
EW-09	19.2	14.3	0.9	90	-1.1			Open	
EW-15	27.9	19.0	0.1	104	-0.7			Open	
Flare	25.9	16.1	1.0	100					

Time	PERCENT BY VOLUME CH_4	CO_2	O_2	GEM in. WC		Propane (psi) reg/tank	Chart FLOW (SCFM)	Blower Inlet Vacuum Gauge (in WC)	Nitrogen (psi) reg/tank	Comments
						10 reg psi		*0-100*	*120 reg psi*	← *Normal Range*
Reading										

Inspect Condition of Piping & Fittings Related to Operation, Possible Leakage, Heat Noise, Vandalism:	OK
Inspect Condition of Fence:	OK

Use a check (√) to indicate that the specific item has been inspected and no problems were noted. Use "NS" (not satisfactory) were problems are noted, and provide a description of the deficiency problem on Form DP-1.

FORM LFG-2
PELHAM BAY LANDFILL
LANDFILL GAS MANAGEMENT SYSTEM
EXTRACTION WELL READINGS & INSPECTION

Weather: Cloudy
Barometric pressure: 29.83

Inspector: AMD **Date:** June 6, 2018

WELL ID	PERCENT BY VOLUME CH_4	CO_2	O_2	TEMP (°F)	VAC. (in. WC) Measured on GEM	Valve Position	Comments
EW-01	8.4	12.9	2.7	70	-1.3	Closed	
EW-02	6.3	14.2	0.8	71	-1.2	Closed	
EW-03	1.9	12.8	3.8	73	-1.0	Closed	Need cap.
EW-05	26.2	17.1	1.8	104	-1.2	Open	
EW-06	24.8	13.6	0.7	76	-2.2	Open	
EW-08	26.7	14.4	1.2	92	-2.0	Open	
EW-10	4.2	15	2.4	72	-3.8	Closed	
EW-11	7.8	11.2	14.6	67	-4.8	Closed	Need cap.
EW-12	14.8	15.4	6	73	-3.6	Closed	Need cap.
EW-13	18.8	15.2	2.2	74	-4.4	Closed	
EW-14	7.0	10.2	4.1	76	-0.1	Closed	
EW-16	9.3	10.1	2.8	74	-0.4	Closed	
EW-17	30.2	20.2	0.7	107	-1.2	Open	
EW-18	9	10.9	5.3	75	-0.2	Closed	
EW-19	15.9	14.4	0.7	72	-0.5	Closed	
EW-20	23.2	13.4	0.6	90	-1.4	Open	
EW-21	15.9	11.5	1.7	74	-0.8	Closed	
EW-22	12.1	10.4	4.1	72	-0.9	Closed	

WELL ID	PERCENT BY VOLUME CH_4	CO_2	O_2	TEMP (°F)	VAC. (in. WC) Measured on GEM		GEM FLOW (cfm)	Valve Position	Comments
EW-04	34.2	20.2	0.3	101	-1.2			Open	
EW-07	29.6	18.2	0.5	99	-1.8			Open	
EW-09	21.4	15.8	0.6	91	-1.6			Open	
EW-15	26.2	18.4	0.2	105	-1.2			Open	
Flare	26.8	15.7	0.9	112	-2.5				

Time	PERCENT BY VOLUME CH_4	CO_2	O_2	GEM in. WC		Propane (psi) reg/tank	Chart FLOW (SCFM)	Blower Inlet Vacuum Gauge (in WC)	Nitrogen (psi) reg/tank	Comments
						10 reg psi		*0-100*	*120 reg psi*	← *Normal Range*
Reading										

Inspect Condition of Piping & Fittings Related to Operation, Possible Leakage, Heat Noise, Vandalism:	OK
Inspect Condition of Fence:	OK

Use a check (√) to indicate that the specific item has been inspected and no problems were noted. Use "NS" (not satisfactory) were problems are noted, and provide a description of the deficiency problem on Form DP-1.

FORM LFG-2
PELHAM BAY LANDFILL
LANDFILL GAS MANAGEMENT SYSTEM
EXTRACTION WELL READINGS & INSPECTION

Weather: Sunny.
Barometric pressure: 30.12

Inspector: AMD **Date:** July 13, 2018

WELL ID	PERCENT BY VOLUME CH_4	CO_2	O_2	TEMP (^oF)	VAC. (in. WC) Measured on GEM	Valve Position	REMARKS
EW-01	5.1	10.2	1.9	71	-1.0	Closed	
EW-02	8.6	16.3	1.2	73	-0.8	Closed	
EW-03	4.5	14.4	2.6	74	-1.6	Closed	
EW-05	29.4	18.2	1.0	105	-1.4	Open	
EW-06	22.6	12.2	1.1	77	-1.6	Open	
EW-08	22.8	12.6	1.8	93	-2.8	Open	
EW-10	6.8	16.6	2.0	73	-2.6	Closed	
EW-11	9.2	12.8	15.0	68	-4.0	Closed	
EW-12	11.1	13.3	4.3	74	-3.6	Closed	
EW-13	17.2	14.8	1.6	75	-3.2	Closed	
EW-14	5.4	9.8	3.6	77	-1.2	Closed	
EW-16	13.2	11.8	1.6	75	-1.6	Closed	
EW-17	32.4	21.7	0.9	108	-2.6	Open	
EW-18	12.4	12.6	4.1	76	-0.6	Closed	
EW-19	13.2	15.1	0.6	73	-1.2	Closed	
EW-20	21.4	12.8	0.4	91	-1.8	Open	
EW-21	17.8	12.8	1.2	75	-1.4	Closed	
EW-22	14.9	14.4	3.8	73	-1.2	Closed	

WELL ID	CH4 CH_4	CO_2	O_2	TEMP (oF)	VAC. (in. WC) Measured on GEM		GEM FLOW (cfm)	Valve Position	Comments
EW-04	36.8	22.0	0.2	102	-1.8			Open	
EW-07	27.6	17.0	0.4	100	-1.2			Open	
EW-09	23.5	16.4	0.8	93	-1.2			Open	
EW-15	29.4	19.6	0.7	106	-2.4			Open	
Flare	24.8	15.9	1.1	122					

Time	PERCENT BY VOLUME CH_4	CO_2	O_2	GEM in. WC		Propane (psi) reg/tank	Chart FLOW (SCFM)	Blower Inlet Vacuum Gauge (in WC)	Nitrogen (psi) reg/tank	Comments
						10 reg psi		*0-100*	*120 reg psi*	← *Normal Range*
Reading										

Inspect Condition of Piping & Fittings Related to Operation, Possible Leakage, Heat Noise, Vandalism:	OK
Inspect Condition of Fence:	OK

Use a check (√) to indicate that the specific item has been inspected and no problems were noted. Use "NS" (not satisfactory) were problems are noted, and provide a description of the deficiency problem on Form DP-1.

FORM LFG-2
PELHAM BAY LANDFILL
LANDFILL GAS MANAGEMENT SYSTEM
EXTRACTION WELL READINGS & INSPECTION

Weather: Hazy
Barometric pressure: 30.07

Inspector: AMD

August 6, 2018

WELL ID	PERCENT BY VOLUME CH_4	CO_2	O_2	TEMP (^oF)	VAC. (in. WC) Measured on GEM	Valve Position	REMARKS
EW-01	6.1	10.8	2.2	71	-1.6	Closed	
EW-02	11.3	16.2	0.6	72	-1.4	Closed	
EW-03	5.4	14.4	2.6	75	-1.7	Closed	
EW-05	20.5	13.9	3.1	106	-0.80	Open	
EW-06	28.2	15.4	1.2	78	-0.92	Open	
EW-08	29.8	15.6	0.4	93	-2.8	Open	
EW-10	7.8	16.7	1.6	73	-1.6	Closed	
EW-11	10.3	12.8	15.0	67	-4.2	Closed	
EW-12	15.9	16.1	5.0	73	-3.4	Closed	
EW-13	17.0	14.5	2.0	75	-4.0	Closed	
EW-14	9.5	11.8	3.7	79	-0.88	Closed	
EW-16	11.4	11.2	2.4	75	-1.2	Closed	
EW-17	24.0	15.2	0.9	109	-1.2	Open	Needs cap.
EW-18	8.1	9.2	4.2	74	-1.44	Closed	
EW-19	17.5	13.8	2.2	71	-1.0	Closed	
EW-20	21.8	12.3	2.0	92	-2.0	Open	
EW-21	16.8	13.2	2.2	76	-1.4	Closed	
EW-22	14.4	12.3	3.2	74	-1.2	Closed	

WELL ID	CH4 CH_4	CO_2	O_2	TEMP (oF)	VAC. (in. WC) Measured on GEM		GEM FLOW (cfm)	Valve Position	Comments
EW-04	37.0	22.3	0.4	102	-1.6			Open	
EW-07	28.4	16.9	0.6	104	-1.2			Open	
EW-09	24.2	16.0	0.4	94	-1.8			Open	
EW-15	27.7	18.0	0.3	106	-1.4			Open	
Flare	25.4	15.9	1.3	130					

Time	PERCENT BY VOLUME CH_4	CO_2	O_2	GEM in. WC		Propane (psi) reg/tank	Chart FLOW (SCFM)	Blower Inlet Vacuum Gauge (in WC)	Nitrogen (psi) reg/tank	Comments
						10 reg psi		*0-100*	*120 reg psi*	← *Normal Range*
Reading										

Inspect Condition of Piping & Fittings Related to Operation, Possible Leakage, Heat Noise, Vandalism:	**OK**
Inspect Condition of Fence:	**OK**

Use a check (√) to indicate that the specific item has been inspected and no problems were noted. Use "NS" (not satisfactory) were problems are noted, and provide a description of the deficiency problem on Form DP-1.

FORM LFG-2
PELHAM BAY LANDFILL
LANDFILL GAS MANAGEMENT SYSTEM
EXTRACTION WELL READINGS & INSPECTION

Weather: Sunny
Barometric pressure: 29.86

Inspector: AMD **Date:** September 19, 2018

WELL ID	PERCENT BY VOLUME CH_4	CO_2	O_2	TEMP (^oF)	VAC. (in. WC) Measured on GEM	Valve Position	REMARKS
EW-01	7.8	11.2	1.8	72	-1.8	Closed	
EW-02	9.6	15.2	0.8	71	-1.9	Closed	Crack in pipe connection. Oxygen getting in system. Pipe repaired.
EW-03	8.3	15.7	2.0	76	-1.3	Closed	
EW-05	23.1	14.7	3.8	105	-1.2	Open	
EW-06	24.2	16.4	1.8	77	-0.8	Open	Needs Cap.
EW-08	31.2	14.6	0.3	94	-2.2	Open	
EW-10	9.2	17.2	1.2	74	-1.0	Closed	
EW-11	12.2	14.4	16.2	68	-3.8	Closed	
EW-12	15.0	14.9	4.2	72	-2.8	Closed	
EW-13	15.8	13.5	1.6	76	-3.2	Closed	
EW-14	10.8	12.7	2.5	80	-0.7	Closed	
EW-16	12.8	12.0	2.0	76	-1.0	Closed	
EW-17	22.4	14.0	0.6	108	-1.7	Open	
EW-18	10.4	11.4	3.2	73	-2.6	Closed	
EW-19	18.2	14.8	0.3	72	-0.9	Closed	
EW-20	22.6	13.5	1.8	94	-3.2	Open	
EW-21	15.0	14.0	2.0	75	-1.2	Closed	
EW-22	15.4	13.4	2.8	73	-1.6	Closed	

WELL ID	CH4 CH_4	CO_2	O_2	TEMP (oF)	VAC. (in. WC) Measured on GEM		GEM FLOW (cfm)	Valve Position	Comments
EW-04	34.8	20.2	0.2	103	-1.2			Open	
EW-07	26.0	16.1	0.5	102	-0.7			Open	
EW-09	23.8	15.0	0.3	95	-2.4			Open	
EW-15	29.3	19.4	0.5	105	-1.2			Open	
Flare	24.5	15.9	1.1	124					

Time	PERCENT BY VOLUME CH_4	CO_2	O_2	GEM in. WC		Propane (psi) reg/tank	Chart FLOW (SCFM)	Blower Inlet Vacuum Gauge (in WC)	Nitrogen (psi) reg/tank	Comments
						10 reg psi		*0-100*	*120 reg psi*	← *Normal Range*
Reading										

Inspect Condition of Piping & Fittings Related to Operation, Possible Leakage, Heat Noise, Vandalism:	**OK**
Inspect Condition of Fence:	**OK**

Use a check (√) to indicate that the specific item has been inspected and no problems were noted. Use "NS" (not satisfactory) were problems are noted, and provide a description of the deficiency problem on Form DP-1.

FORM LFG-2
PELHAM BAY LANDFILL
LANDFILL GAS MANAGEMENT SYSTEM
EXTRACTION WELL READINGS & INSPECTION

Weather: Sunny.
Barometric pressure: 30.16

Inspector: AMD **Date:** October 24, 2018

WELL ID	PERCENT BY VOLUME CH_4	CO_2	O_2	TEMP (^oF)	VAC. (in. WC) Measured on GEM	Valve Position	REMARKS
EW-01	9.9	15.4	1.3	68	-4.1	Closed	
EW-02	8.2	14.4	0.3	69	-3.8	Closed	
EW-03	6.6	18	0.2	70	-3.3	Closed	
EW-05	23.1	17.1	0.2	101	-2.5	Open	
EW-06	25.2	17.4	0.5	84	-1.4	Open	
EW-08	27.2	15.8	0.4	90	-3.4	Open	Needs cap.
EW-10	1.4	10.3	8.5	69	-5.7	Closed	Needs cap.
EW-11	5.4	12.7	5.3	71	-3.2	Closed	
EW-12	11.4	11.8	0	74	-1.4	Closed	
EW-13	21.3	8.5	0.5	73	-0.1	Closed	
EW-14	15.5	12.2	0.9	77	-1.6	Closed	
EW-16	8	11.5	3	78	-1.2	Closed	
EW-17	31.3	21.4	0.6	104	-2.3	Open	
EW-18	16.4	15.8	0.5	75	-1.4	Closed	
EW-19	16.5	15.7	0.1	75	-2.8	Closed	
EW-20	23.9	14.9	0.1	83	-6.2	Open	
EW-21	16.7	14.6	0.4	72	-3.4	Closed	
EW-22	16.4	14.2	0.4	68	-3	Closed	

WELL ID	CH4 CH_4	CO_2	O_2	TEMP (oF)	VAC. (in. WC) Measured on GEM		GEM FLOW (cfm)	Valve Position	Comments
EW-04	36.3	23.4	0.2	102	-1.2			Open	
EW-07	27.6	17.7	0.3	100	-1.5			Open	
EW-09	29.2	18.3	0.8	101	-1.8			Open	
EW-15	26.4	18.6	0.1	108	-1.1			Open	
Flare	23.7	15.4	1.1	98					

Time	PERCENT BY VOLUME CH_4	CO_2	O_2	GEM in. WC		Propane (psi) reg/tank	Chart FLOW (SCFM)	Blower Inlet Vacuum Gauge (in WC)	Nitrogen (psi) reg/tank	Comments
						10 reg psi		*0-100*	*120 reg psi*	← *Normal Range*
Reading										

Inspect Condition of Piping & Fittings Related to Operation, Possible Leakage, Heat Noise, Vandalism:	OK
Inspect Condition of Fence:	OK

Use a check (√) to indicate that the specific item has been inspected and no problems were noted. Use "NS" (not satisfactory) were problems are noted, and provide a description of the deficiency problem on Form DP-1.

FORM LFG-2
PELHAM BAY LANDFILL
LANDFILL GAS MANAGEMENT SYSTEM
EXTRACTION WELL READINGS & INSPECTION

Weather: Cloudy.
Barometric pressure: 29.88

Inspector: AMD **Date:** November 20, 2018

WELL ID	PERCENT BY VOLUME CH_4	CO_2	O_2	TEMP (°F)	VAC. (in. WC) Measured on GEM	Valve Position	REMARKS
EW-01	12.2	16.4	0.8	67	-2.4	Closed	
EW-02	10.4	15.2	0.5	68	-3.0	Closed	
EW-03	9.6	17.5	0.6	70	-2.8	Closed	
EW-05	23.3	16.2	0.2	100	-2.2	Open	
EW-06	28.2	18.1	0.9	78	-2.6	Open	
EW-08	27.5	15.1	0.2	88	-1.7	Open	
EW-10	2.9	12.2	7.8	68	-4.8	Closed	
EW-11	6.8	13.4	3.3	70	-2.4	Closed	
EW-12	10.0	11.1	0.4	73	-2.6	Closed	
EW-13	18.4	7.0	0.8	72	-1.2	Closed	
EW-14	17.4	14.0	1.0	76	-1.2	Closed	
EW-16	11.4	13.6	2.4	77	-1.6	Closed	
EW-17	31.7	20.4	0.2	106	-2.8	Open	
EW-18	16.6	15.9	0.4	73	-2.6	Closed	
EW-19	18.2	16.8	0.2	74	-3.4	Closed	
EW-20	24.5	14.6	0.1	100	-1.3	Open	
EW-21	15.4	13.2	0.7	71	-3.8	Closed	
EW-22	17.6	15.2	0.3	67	-2.6	Closed	

WELL ID	PERCENT BY VOLUME CH_4	CO_2	O_2	TEMP (°F)	VAC. (in. WC) Measured on GEM		GEM FLOW (cfm)	Valve Position	Comments
EW-04	35.6	22.6	0.1	99	-3.7			Open	
EW-07	29.7	17.1	0.2	100	-2.1			Open	
EW-09	30.2	17.5	0.4	106	-1.6			Open	
EW-15	27.9	18.3	0.1	108	-3.4			Open	
Flare	25.1	15.3	1.0	90					

Time	PERCENT BY VOLUME CH_4	CO_2	O_2	GEM in. WC		Propane (psi) reg/tank	Chart FLOW (SCFM)	Blower Inlet Vacuum Gauge (in WC)	Nitrogen (psi) reg/tank	Comments
						10 reg psi		*0-100*	*120 reg psi*	← *Normal Range*
Reading										

Inspect Condition of Piping & Fittings Related to Operation, Possible Leakage, Heat Noise, Vandalism:	OK
Inspect Condition of Fence:	OK

Use a check (√) to indicate that the specific item has been inspected and no problems were noted. Use "NS" (not satisfactory) were problems are noted, and provide a description of the deficiency problem on Form DP-1.

FORM LFG-2
PELHAM BAY LANDFILL
LANDFILL GAS MANAGEMENT SYSTEM
EXTRACTION WELL READINGS & INSPECTION

Weather: Cloudy.
Barometric pressure: 29.87

Inspector: AMD **Date:** December 31, 2018

WELL ID	PERCENT BY VOLUME CH_4	CO_2	O_2	TEMP (^{0}F)	VAC. (in. WC) Measured on GEM	Valve Position	REMARKS
EW-01	11.0	15.8	1.8	67	-3.2	Closed	
EW-02	7.6	13.6	0.5	68	-2.2	Closed	
EW-03	10.4	17.1	0.4	69	-3.8	Closed	
EW-05	25.4	17.0	0.4	98	-1.8	Open	
EW-06	30.6	18.4	1.0	76	-2.0	Open	
EW-08	29.2	15.8	0.3	87	-2.6	Open	
EW-10	2.8	12.4	6.4	68	-6.2	Closed	
EW-11	7.2	14.4	6.6	71	-2.4	Closed	
EW-12	10.2	10.6	0.2	73	-1.8	Closed	
EW-13	23.6	9.8	0.3	70	-0.8	Closed	
EW-14	13.8	11.4	1.2	75	-2.8	Closed	
EW-16	9.6	12.4	2.2	77	-2.6	Closed	
EW-17	32.0	19.4	0.4	105	-1.8	Open	
EW-18	18.2	16.6	0.2	74	-2.8	Closed	
EW-19	15.2	16.4	0.3	74	-3.4	Closed	
EW-20	26.0	15.0	0.4	99	-1.8	Open	
EW-21	14.4	15.6	0.2	70	-3.0	Closed	
EW-22	17.6	15.8	0.6	67	-2.6	Closed	

WELL ID	CH4 CH_4	CO_2	O_2	TEMP (oF)	VAC. (in. WC) Measured on GEM		GEM FLOW (cfm)	Valve Position	Comments
EW-04	36.7	23.4	0.2	98	-3.4			Open	
EW-07	32.6	18.0	0.4	99	-2.8			Open	
EW-09	29.0	17.0	0.3	105	-2.4			Open	
EW-15	28.8	18.6	0.7	107	-3.0			Open	
Flare	24.7	15.5	0.9	86					

Time	PERCENT BY VOLUME CH_4	CO_2	O_2	GEM in. WC		Propane (psi) reg/tank	Chart FLOW (SCFM)	Blower Inlet Vacuum Gauge (in WC)	Nitrogen (psi) reg/tank	Comments
						10 reg psi		*0-100*	*120 reg psi*	← *Normal Range*
Reading										

Inspect Condition of Piping & Fittings Related to Operation, Possible Leakage, Heat Noise, Vandalism:	OK
Inspect Condition of Fence:	OK

Use a check (√) to indicate that the specific item has been inspected and no problems were noted. Use "NS" (not satisfactory) were problems are noted, and provide a description of the deficiency problem on Form DP-1.

FORM LFG-3
QUARTERLY CHECKLIST
GAS COLLECTION SYSTEM, BELOW GROUND PIPING
LANDFILL GAS MANAGEMENT SYSTEM
PELHAM BAY LANDFILL, BRONX NEW YORK
(REFERENCE VOLUME 1 FIGURE 2-11)

	S	NS
PERFORATED HORIZONTAL GAS COLLECTION		
• TOP OF LANFILL, HORIZONAL GAS COLLECTION	✓	
• BOTTOM OF LANFILL, HORIZONTAL GAS COLLECTION	✓	
LATERALS SOLID PIPING		
• FROM EW-4 TO EW-10 AND MAIN HEADER	✓	
• FROM EW-7 TO EW-10	✓	
• FROM EW-11 TO MAIN HEADER	✓	
• FROM EW-12 TO MAIN HEADER	✓	
• FROM EW-13 TO MAIN HEADER	✓	
• FROM EW-14 TO MAIN HEADER	✓	
• FROM EW-15 TO MAIN HEADER	✓	
• FROM EW-17 TO MAIN HEADER	✓	
• FROM EW-20 TO MAIN HEADER	✓	
MAIN HEADER SOLID PIPING		
• FROM VB-1 TO VB-2	✓	
• FROM VB-2 TO VB-3 AND VB-6	✓	
• FROM VB-1 TO VB-5	✓	
• FROM VB-5 TO VB-4 AND VB-6	✓	
• FROM VB-6 TO FLARE STATION	✓	

Notes:

1. The inspection or the below ground gas collection and conveyance piping from well head to flare station the operator shall check for pipe settlement, landfill gas leak and any exposed piping.

2. Use an "S" check box to indicate that the specific item has been inspected and no problems were noted.

3. Use "NS" (not satisfactory) where problems are noted, and provide a description of the deficiency problem on Form DP-1. Attach additional sheets if necessary.

Date: 1/16/18 **Inspected by:** AMD

FORM LFG-3
QUARTERLY CHECKLIST
GAS COLLECTION SYSTEM, BELOW GROUND PIPING
LANDFILL GAS MANAGEMENT SYSTEM
PELHAM BAY LANDFILL, BRONX NEW YORK
(REFERENCE VOLUME 1 FIGURE 2-11)

	S	NS
PERFORATED HORIZONTAL GAS COLLECTION		
• TOP OF LANFILL, HORIZONAL GAS COLLECTION	✓	
• BOTTOM OF LANFILL, HORIZONTAL GAS COLLECTION	✓	
LATERALS SOLID PIPING		
• FROM EW-4 TO EW-10 AND MAIN HEADER	✓	
• FROM EW-7 TO EW-10	✓	
• FROM EW-11 TO MAIN HEADER	✓	
• FROM EW-12 TO MAIN HEADER	✓	
• FROM EW-13 TO MAIN HEADER	✓	
• FROM EW-14 TO MAIN HEADER	✓	
• FROM EW-15 TO MAIN HEADER	✓	
• FROM EW-17 TO MAIN HEADER	✓	
• FROM EW-20 TO MAIN HEADER	✓	
MAIN HEADER SOLID PIPING		
• FROM VB-1 TO VB-2	✓	
• FROM VB-2 TO VB-3 AND VB-6	✓	
• FROM VB-1 TO VB-5	✓	
• FROM VB-5 TO VB-4 AND VB-6	✓	
• FROM VB-6 TO FLARE STATION	✓	

Notes:

1. The inspection or the below ground gas collection and conveyance piping from well head to flare station the operator shall check for pipe settlement, landfill gas leak and any exposed piping.

2. Use an "S" check box to indicate that the specific item has been inspected and no problems were noted.

3. Use "NS" (not satisfactory) where problems are noted, and provide a description of the deficiency problem on Form DP-1. Attach additional sheets if necessary.

Date: 4/3/18 **Inspected by:** AMD

FORM LFG-3
QUARTERLY CHECKLIST
GAS COLLECTION SYSTEM, BELOW GROUND PIPING
LANDFILL GAS MANAGEMENT SYSTEM
PELHAM BAY LANDFILL, BRONX NEW YORK
(REFERENCE VOLUME 1 FIGURE 2-11)

	S	NS
PERFORATED HORIZONTAL GAS COLLECTION		
• TOP OF LANFILL, HORIZONAL GAS COLLECTION	✓	
• BOTTOM OF LANFILL, HORIZONTAL GAS COLLECTION	✓	
LATERALS SOLID PIPING		
• FROM EW-4 TO EW-10 AND MAIN HEADER	✓	
• FROM EW-7 TO EW-10	✓	
• FROM EW-11 TO MAIN HEADER	✓	
• FROM EW-12 TO MAIN HEADER	✓	
• FROM EW-13 TO MAIN HEADER	✓	
• FROM EW-14 TO MAIN HEADER	✓	
• FROM EW-15 TO MAIN HEADER	✓	
• FROM EW-17 TO MAIN HEADER	✓	
• FROM EW-20 TO MAIN HEADER	✓	
MAIN HEADER SOLID PIPING		
• FROM VB-1 TO VB-2	✓	
• FROM VB-2 TO VB-3 AND VB-6	✓	
• FROM VB-1 TO VB-5	✓	
• FROM VB-5 TO VB-4 AND VB-6	✓	
• FROM VB-6 TO FLARE STATION	✓	

Notes:

1. The inspection or the below ground gas collection and conveyance piping from well head to flare station the operator shall check for pipe settlement, landfill gas leak and any exposed piping.

2. Use an "S" check box to indicate that the specific item has been inspected and no problems were noted.

3. Use "NS" (not satisfactory) where problems are noted, and provide a description of the deficiency problem on Form DP-1. Attach additional sheets if necessary.

Date: 7/10/18 **Inspected by:** AMD

FORM LFG-3
QUARTERLY CHECKLIST
GAS COLLECTION SYSTEM, BELOW GROUND PIPING
LANDFILL GAS MANAGEMENT SYSTEM
PELHAM BAY LANDFILL, BRONX NEW YORK
(REFERENCE VOLUME 1 FIGURE 2-11)

	S	NS
PERFORATED HORIZONTAL GAS COLLECTION		
• TOP OF LANFILL, HORIZONAL GAS COLLECTION	✓	
• BOTTOM OF LANFILL, HORIZONTAL GAS COLLECTION	✓	
LATERALS SOLID PIPING		
• FROM EW-4 TO EW-10 AND MAIN HEADER	✓	
• FROM EW-7 TO EW-10	✓	
• FROM EW-11 TO MAIN HEADER	✓	
• FROM EW-12 TO MAIN HEADER	✓	
• FROM EW-13 TO MAIN HEADER	✓	
• FROM EW-14 TO MAIN HEADER	✓	
• FROM EW-15 TO MAIN HEADER	✓	
• FROM EW-17 TO MAIN HEADER	✓	
• FROM EW-20 TO MAIN HEADER	✓	
MAIN HEADER SOLID PIPING		
• FROM VB-1 TO VB-2	✓	
• FROM VB-2 TO VB-3 AND VB-6	✓	
• FROM VB-1 TO VB-5	✓	
• FROM VB-5 TO VB-4 AND VB-6	✓	
• FROM VB-6 TO FLARE STATION	✓	

Notes:

1. The inspection or the below ground gas collection and conveyance piping from well head to flare station the operator shall check for pipe settlement, landfill gas leak and any exposed piping.

2. Use an "S" check box to indicate that the specific item has been inspected and no problems were noted.

3. Use "NS" (not satisfactory) where problems are noted, and provide a description of the deficiency problem on Form DP-1. Attach additional sheets if necessary.

Date: 10/8/18 **Inspected by:** AMD

Landfill Gas Migration Monitoring

LFG-4

PELHAM BAY LANDFILL

LANDFILL GAS MANAGEMENT SYSTEM

PERIMETER GAS MONITORING WELL READINGS

WEEK ENDING 1/13/18

DATE	WELL ID #	TIME	CONCENTRATION % BY VOLUME			TEMP (°F)	VACUUM WELL HEAD (in. WC)	Barometric Pressure (in. Hg)	REMARKS
			Methane	CO_2	Oxygen				
1/9/18	GMW-1	9:15	0.0	0.0	20.7	28°		30.11	
	GMW-2	9:00	0.0	0.0	20.6	29°		30.14	
	GMW-3	9:28	0.0	0.0	20.7	30°		30.08	
	GMW-4	9:46	0.0	0.0	20.4	29°		30.16	

TECHNICIAN AMP **WEATHER** SUNNY

LFG-4

PELHAM BAY LANDFILL

LANDFILL GAS MANAGEMENT SYSTEM

PERIMETER GAS MONITORING WELL READINGS

WEEK ENDING 2/12/18

DATE	WELL ID #	TIME	CONCENTRATION % BY VOLUME			TEMP (°F)	VACUUM WELL HEAD (in. WC)	Barometric Pressure (in. Hg)	REMARKS
			Methane	CO_2	Oxygen				
2/12/18	GMW-1	10:09	0.0	0.0	20.4	39		30.09	
↓	GMW-2	9:55	0.0	0.0	20.5	38		30.11	
↓	GMW-3	10:25	0.0	0.0	20.5	40		30.14	
↓	GMW-4	10:41	0.0	0.0	20.6	40		30.12	

TECHNICIAN AMD **WEATHER** CLOUDY

LFG-4

PELHAM BAY LANDFILL

LANDFILL GAS MANAGEMENT SYSTEM

PERIMETER GAS MONITORING WELL READINGS

WEEK ENDING 3/10/18

DATE	WELL ID #	TIME	CONCENTRATION % BY VOLUME			TEMP (°F)	VACUUM WELL HEAD (in. WC)	Barometric Pressure (in. Hg)	REMARKS
			Methane	CO_2	Oxygen				
3/5/18	GMW-1	8:44	0.0	0.0	20.5	38		30.11	
↓	GMW-2	8:30	0.0	0.0	20.6	38		30.10	
↓	GMW-3	8:58	0.0	0.0	20.4	39		30.08	
↓	GMW-4	9:12	0.0	0.0	20.7	40		30.06	

TECHNICIAN AMD **WEATHER** SUNNY

PELHAM BAY LANDFILL
LANDFILL GAS MANAGEMENT SYSTEM
PERIMETER GAS MONITORING WELL READINGS

WEEK ENDING 4/7/18

DATE	WELL ID #	TIME	CONCENTRATION % BY VOLUME			TEMP (°F)	VACUUM WELL HEAD (in. WC)	Barometric Pressure (in. Hg)	REMARKS
			Methane	CO_2	Oxygen				
4/6/18	GMW-1	9:00	0.0	0.0	20.6	41		30.14	
	GMW-2	7:50	0.0	0.0	20.7	40		30.09	
	GMW-3	8:17	0.0	0.0	20.5	41		30.15	
↓	GMW-4	8:33	0.0	0.0	20.6	42		30.15	

TECHNICIAN AMD **WEATHER** cloudy

LFG-4

PELHAM BAY LANDFILL

LANDFILL GAS MANAGEMENT SYSTEM

PERIMETER GAS MONITORING WELL READINGS

WEEK ENDING JUNE 2

DATE	WELL ID #	TIME	CONCENTRATION % BY VOLUME			TEMP (°F)	VACUUM WELL HEAD (in. WC)	Barometric Pressure (in. Hg)	REMARKS
			Methane	CO_2	Oxygen				
5/29/18	GMW-1	9:11	0.0	0.0	20.4	74		29.98	
↓	GMW-2	9:00	0.0	0.0	20.6	74		29.91	
	GMW-3	9:20	0.0	0.0	20.7	75		29.93	
	GMW-4	9:29	0.0	0.0	20.6	75		29.93	

TECHNICIAN AMD **WEATHER** SUNNY

LFG-4

PELHAM BAY LANDFILL

LANDFILL GAS MANAGEMENT SYSTEM

PERIMETER GAS MONITORING WELL READINGS

WEEK ENDING 6/30/18

DATE	WELL ID #	TIME	CONCENTRATION % BY VOLUME			TEMP (°F)	VACUUM WELL HEAD (in. WC)	Barometric Pressure (in. Hg)	REMARKS
			Methane	CO_2	Oxygen				
6/27/18	GMW-1	8:24	0.0	0.0	20.6	75		30.12	
↓	GMW-2	8:15	0.0	0.0	20.7	75		30.13	
↓	GMW-3	8:33	0.0	0.0	20.6	76		30.10	
↓	GMW-4	8:46	0.0	0.0	20.8	76		30.10	

TECHNICIAN AMD **WEATHER** Cloudy

LFG-4

PELHAM BAY LANDFILL

LANDFILL GAS MANAGEMENT SYSTEM

PERIMETER SOIL GAS MONITORING REPORT

WEEK ENDING: 21-Jul-2018

DATE	WELL ID #	TIME	CONCENTRATION % BY VOLUME			TEMP (°F)	VACUUM WELL HEAD (in. WC)	Barometric Pressure (in. Hg)	REMARKS
			Methane	Carbon Dioxide	Oxygen				
7/20/18	**GMW-1**	7:35	0.0	0.0	20.8	74		30.14	
7/20/18	**GMW-2**	7:20	0.0	0.0	20.7	74		30.14	
7/20/18	**GMW-3**	7:47	0.0	0.0	20.8	75		30.15	
7/20/18	**GMW-4**	8:03	0.0	0.0	20.6	75		30.16	

TECHNICIAN: AMD

WEATHER: SUNNY

LFG-4

PELHAM BAY LANDFILL

LANDFILL GAS MANAGEMENT SYSTEM

PERIMETER SOIL GAS MONITORING REPORT

WEEK ENDING: 1-Sep-2018

DATE	WELL ID #	TIME	CONCENTRATION % BY VOLUME			TEMP (^{o}F)	VACUUM WELL HEAD (in. WC)	Barometric Pressure (in. Hg)	REMARKS
			Methane	Carbon Dioxide	Oxygen				
8/30/18	**GMW-1**	7:41	0.0	0.0	20.7	79		29.96	
8/30/18	**GMW-2**	7:30	0.0	0.0	20.6	79		29.95	
8/30/18	**GMW-3**	7:53	0.0	0.0	20.7	81		29.97	
8/30/18	**GMW-4**	8:10	0.0	0.0	20.8	82		29.98	

TECHNICIAN: AMD

WEATHER: Hazy and hot

LFG-4

PELHAM BAY LANDFILL

LANDFILL GAS MANAGEMENT SYSTEM

PERIMETER SOIL GAS MONITORING REPORT

WEEK ENDING: 29-Sep-2018

DATE	WELL ID #	TIME	CONCENTRATION % BY VOLUME			TEMP (^{o}F)	VACUUM WELL HEAD (in. WC)	Barometric Pressure (in. Hg)	REMARKS
			Methane	Carbon Dioxide	Oxygen				
9/24/18	**GMW-1**	10:53	0.0	0.0	20.7	75		29.94	
9/24/18	**GMW-2**	10:40	0.0	0.0	20.7	75		29.94	
9/24/18	**GMW-3**	11:06	0.0	0.0	20.6	76		29.92	
9/24/18	**GMW-4**	11:15	0.0	0.0	20.5	76		29.92	

TECHNICIAN: AMD

WEATHER: Cloudy

LFG-4

PELHAM BAY LANDFILL

LANDFILL GAS MANAGEMENT SYSTEM

PERIMETER SOIL GAS MONITORING REPORT

WEEK ENDING: 10/13/2018

DATE	WELL ID #	TIME	CONCENTRATION % BY VOLUME			TEMP (^{o}F)	VACUUM WELL HEAD (in. WC)	Barometric Pressure (in. Hg)	REMARKS
			Methane	Carbon Dioxide	Oxygen				
10/12/18	**GMW-1**	10:20	0.0	0.0	20.8	62		30.11	
10/12/18	**GMW-2**	10:12	0.0	0.0	20.7	62		30.11	
10/12/18	**GMW-3**	10:31	0.0	0.0	20.8	63		30.14	
10/12/18	**GMW-4**	10:42	0.0	0.0	20.8	63		30.14	

TECHNICIAN: AMD

WEATHER: Sunny

LFG-4

PELHAM BAY LANDFILL
LANDFILL GAS MANAGEMENT SYSTEM

PERIMETER SOIL GAS MONITORING REPORT

WEEK ENDING: 17-Nov-2018

DATE	WELL ID #	TIME	CONCENTRATION % BY VOLUME			TEMP (^{o}F)	VACUUM WELL HEAD (in. WC)	Barometric Pressure (in. Hg)	REMARKS
			Methane	Carbon Dioxide	Oxygen				
11/14/18	**GMW-1**	8:14	0.0	0.0	20.7	39		29.84	
11/14/18	**GMW-2**	8:00	0.0	0.0	20.8	39		29.84	
11/14/18	**GMW-3**	8:31	0.0	0.0	20.7	40		29.85	
11/14/18	**GMW-4**	8:43	0.0	0.0	20.6	40		29.85	

TECHNICIAN: AMD

WEATHER: Cloudy

LFG-4

PELHAM BAY LANDFILL

LANDFILL GAS MANAGEMENT SYSTEM

PERIMETER SOIL GAS MONITORING REPORT

WEEK ENDING: 22-Dec-2018

DATE	WELL ID #	TIME	CONCENTRATION % BY VOLUME			TEMP (^{o}F)	VACUUM WELL HEAD (in. WC)	Barometric Pressure (in. Hg)	REMARKS
			Methane	Carbon Dioxide	Oxygen				
12/19/18	**GMW-1**	8:19	0.0	0.0	20.8	32		30.04	
12/19/18	**GMW-2**	8:05	0.0	0.0	20.8	32		30.01	
12/19/18	**GMW-3**	8:32	0.0	0.0	20.7	33		30.05	
12/19/18	**GMW-4**	8:41	0.0	0.0	20.6	34		30.06	

TECHNICIAN: AMD

WEATHER: Sunny

PELHAM BAY LANDFILL

SURFACE GAS MONITORING

Sampling Point	TIME	READING
SGM-1	8:00	0.0 PPM
SGM-2	8:06	0.0 PPM
SGM-3	8:13	0.0 PPM
SGM-4	8:19	0.0 PPM
SGM-5	8:23	0.0 PPM
SGM-6	8:30	0.0 PPM
SGM-7	8:35	0.0 PPM
SGM-8	8:42	0.0 PPM
SGM-9	8:50	0.0 PPM
SGM-10	8:57	0.0 PPM

DATE: 1/18/18

WEATHER: CLOUDY

TEMPERATURE: 42°

WIND:

Barometric Pressure: 29.80

INSPECTOR: AMD

PELHAM BAY LANDFILL

SURFACE GAS MONITORING

Sampling Point	Time	Reading
SGM-1	11:00	0.0 ppm
SGM-2	11:04	0.0 ppm
SGM-3	11:10	0.0 ppm
SGM-4	11:15	0.0 ppm
SGM-5	11:19	0.0 ppm
SGM-6	11:23	0.0 ppm
SGM-7	11:28	0.0 ppm
SGM-8	11:32	0.0 ppm
SGM-9	11:37	0.0 ppm
SGM-10	11:43	0.0 ppm

DATE:	October 10, 2018
WEATHER:	Hazy
TEMPERATURE:	81
WIND	Calm
Baromatric Pressure:	30.12
Inspector:	AMD

G: Stormwater Management System Inspection Checklists

FORM SMS-1
MONTHLY INSPECTION CHECKLIST
STORMWATER DRAINAGE DITCHES
STORMWATER MANAGEMENT SYSTEM
PELHAM BAY LANDFILL, BRONX, NEW YORK
(Reference Volume I, Figures 2-2 and 2-3

January 2018

Item	Item Title	Zone Number													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14
No.	**Drainage Ditch Road A**														
1	Overgrown Vegetation (1)	OK	OK	OK	OK	OK	OK	OK	OK						
2	Standing Water	OK	OK	OK	OK	OK	OK	OK	OK						
3	Sediments and Debris	OK	OK	OK	OK	OK	OK	OK	OK						
4	Erosion/Washouts	OK	OK	OK	OK	OK	OK	OK	OK						
5	Sinkholes	OK	OK	OK	OK	OK	OK	OK	OK						
6	Culvert Road A to Road B								OK						
7	Flapgate at 6" pipe Outlet														
	Drainage Ditch, Road B														
1	Overgrown Vegetation	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
2	Standing Water	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
3	Sediments and Debris	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
4	Erosion/Washouts	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
5	Sinkholes	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
6	Culvert Road B - Road B^2								OK						
	Drainage Ditch, Road B^2														
1	Overgrown Vegetation	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
2	Standing Water	OK	OK	OK	OK	OK	OK	OK	OK	OK	(3)	OK	OK		
3	Sediments and Debris	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
4	Erosion/Washouts	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
5	Sinkholes	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
6	Culvert Road B^2 - Road C								OK						
	Drainage Ditch, Road C														
1	Overgrown Vegetation	OK								OK	OK	OK	OK	OK	OK
2	Standing Water	OK								OK	OK	OK	OK	OK	OK
3	Sediments and Debris	OK								OK	OK	OK	OK	OK	OK
4	Erosion/Washouts	OK								OK	OK	OK	OK	OK	OK
5	Sinkholes	OK								OK	OK	OK	OK	OK	OK
	Drainage Ditch, LF Top														
1	Overgrown Vegetation													OK	OK
2	Standing Water													OK	OK
3	Sediments and Debris													OK	OK
4	Erosion/Washouts													OK	OK
5	Sinkholes													OK	OK
	Curtain Drain														
1	Standing Water	OK													
2	Erosion/Washouts	OK													
	Parking lot														
1	Standing Water	OK													
2	Erosion/Washouts	OK													
	Shore rd.														
1	Standing Water	OK													
2	Erosion/Washouts	OK													

- Use a check in the checkbox to indicate that the sp[illegible] item number in the zone has been inspected and no problems were noted.
- Use "NS" (Not Satisfactory) where problems are noted.
- For boxes checked [illegible]n Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary

FOOTNOTES (NS)

(1) The Stormwater Management System is operating as intended.

(2) Vegetative root matting

(3) Grading – low point

Date: **1/12/18** Initials: AMD Signature: 

FORM SMS-2
MONTHLY INSPECTION CHECKLIST
STORMWATER DRAINAGE DITCHES
STORMWATER MANAGEMENT SYSTEM
PELHAM BAY LANDFILL, BRONX, NEW YORK

(Reference Volume I, Figures 2-2 and 2-3)

January 2018

Stormwater Collection Manholes (SP Series)												
Item No.	Item Title	Manhole Number										
		SP1	SP2	SP3	SP4	SP5	SP6	SP7	SP8	SP9	SP10	SP11
1	Trashracks	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2	Silt Accumulation	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
3	Pipe Connections to Manhole	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
4	Flow From 8" HDPE Inlets	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
5	Debris/Silt Blockage in 24" Pipe	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
6	Settlement Along 24" Pipe	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
7	Settlement Around Manhole	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
8	Baffles Inside Manhole	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK

Pond Collection Manholes (CP Series)						
Item No.	Item Title	Manhole Number				
		CP1	CP2	CP3	CP4	CP5
1	Grates	OK	OK	OK	OK	OK
2	Silt Accumulation	OK	OK	OK	OK	OK
3	Flow Through Manhole	OK	OK	OK	OK	OK
4	Settlement Above 30" Pipe	OK	OK	OK	OK	OK

Baffled Outlets (BO Series)					
Item No.	Item Title	Manhole Number			
		BO1	BO2	BO3	BO4
1	Silt Accumulation	OK	OK	OK	OK
2	Connection to 24" Pipe	OK	OK	OK	OK
3	Erosion Around Structure	OK	OK	OK	OK
4	Spalling, Cracking, etc.	OK	OK	OK	OK
5	Weep Holes	OK	OK	OK	OK
6	Guard Rails	OK	OK	OK	OK

Notes:

1. Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.
2. Use "NS" (Not Satisfactory) where problems are noted.
3. For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary

Date: **1/26/18** Initials: AMD Signature: _____

FORM DP-1
DESCRIPTION OF DEFICIENCEIES AND PROBLEMS
PELHAM BAY LANDFILL, BRONX, NY

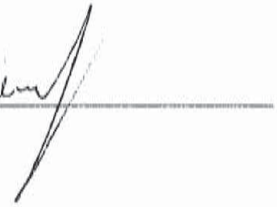
Month: January 2018

FORM NO.	LOCATION	DESCRIPTION OF PROBLEM	CORRECTIVE ACTION
SMS-2	SP drain trashbacks.	Need to be evaluated for replacement or fixing do to long term use and exposure to the elements.	Reported to PARKS.

DATE: 1/26/2018

INSPECTED BY: AMD

WEATHER: Sunny.

SIGNATURE: 

FORM SMS-3
MONTHLY INSPECTION CHECKLIST
SEDIMENTATION PONDS
STORMWATER MANAGEMENT SYSTEM
PELHAM BAY LANDFILL, BRONX, NEW YORK

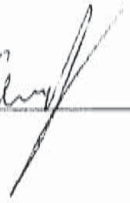
(Reference Volume I, Figure 2-3)

January 2018

Sedimentation Pond A		
Pond		
1	Minimum 2 ft. Freeboard	OK
2	Silt Accumulation	OK
3	Slope Erosion/Stability	OK
4	Debris (dead vegetation)	OK
	Outlet Structure	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
Sedimentation Pond B		
	Pond	
1	Minimum 2 ft. Freeboard	OK
2	Silt Accumulation	OK
3	Slope Erosion/Stability	OK
4	Debris (dead vegetation)	OK
	Inlet Structure	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
	Outlet Structure	
1	Debris/Silt Blockage (overgrown vegetation)	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK

Sedimentation Pond C		
Pond		
1	Minimum 2 ft. Freeboard	OK
2	Silt Accumulation	OK
3	Slope Erosion/Stability	OK
4	Debris	OK
5	Riprap	OK
	Inlet Structure	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
5	Riprap	OK
	RCP Inlet Section	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
5	Weepholes	OK
6	Trashrack	OK
7	RC Pipe	OK
	RCP Outlet Section	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
5	Trashrack	OK
6	Flapgate	OK
7	Spillway Riprap	OK

Notes:
1. Use "NS" (Not Satisfactory) where problems are noted.
2. For boxes checked NS, on Form DP-1, note a description of deficiency/problem.
3. "NC" applies to areas that were inaccessible for inspection. In this form it denotes areas with overgrown and/or excessive dead vegetation.

Date: 1/30/18 Initials: AMD Signature: 

FORM SMS-1
MONTHLY INSPECTION CHECKLIST
STORMWATER DRAINAGE DITCHES
STORMWATER MANAGEMENT SYSTEM
PELHAM BAY LANDFILL, BRONX, NEW YORK
(Reference Volume I, Figures 2-2 and 2-3

February 2018

Item	Item Title	Zone Number													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14
No.	**Drainage Ditch Road A**														
1	Overgrown Vegetation (1)	OK	OK	OK	OK	OK	OK	OK	OK						
2	Standing Water	OK	OK	OK	OK	OK	OK	OK	OK						
3	Sediments and Debris	OK	OK	OK	OK	OK	OK	OK	OK						
4	Erosion/Washouts	OK	OK	OK	OK	OK	OK	OK	OK						
5	Sinkholes	OK	OK	OK	OK	OK	OK	OK	OK						
6	Culvert Road A to Road B								OK						
7	Flapgate at 6" pipe Outlet														
	Drainage Ditch, Road B														
1	Overgrown Vegetation	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
2	Standing Water	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
3	Sediments and Debris	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
4	Erosion/Washouts	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
5	Sinkholes	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
6	Culvert Road B - Road B^2								OK						
	Drainage Ditch, Road B^2														
1	Overgrown Vegetation	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
2	Standing Water	OK	OK	OK	OK	OK	OK	OK	OK	OK	(3)	OK	OK		
3	Sediments and Debris	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
4	Erosion/Washouts	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
5	Sinkholes	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
6	Culvert Road B^2 - Road C								OK						
	Drainage Ditch, Road C														
1	Overgrown Vegetation	OK								OK	OK	OK	OK	OK	OK
2	Standing Water	OK								OK	OK	OK	OK	OK	OK
3	Sediments and Debris	OK								OK	OK	OK	OK	OK	OK
4	Erosion/Washouts	OK								OK	OK	OK	OK	OK	OK
5	Sinkholes	OK								OK	OK	OK	OK	OK	OK
	Drainage Ditch, LF Top														
1	Overgrown Vegetation													OK	OK
2	Standing Water													OK	OK
3	Sediments and Debris													OK	OK
4	Erosion/Washouts													OK	OK
5	Sinkholes													OK	OK
	Curtain Drain														
1	Standing Water	OK													
2	Erosion/Washouts	OK													
	Parking lot														
1	Standing Water	OK													
2	Erosion/Washouts	OK													
	Shore rd.														
1	Standing Water	OK													
2	Erosion/Washouts	OK													

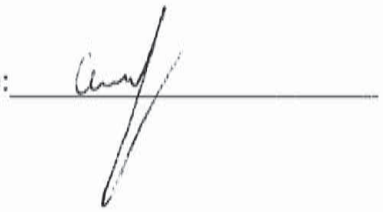
- Use a check in the checkbox to indicate that the 'fic item number in the zone has been inspected and no problems we. ..oted.
- Use "NS" (Not Satisfactory) where problems are noted.
- For boxes checke '. on Form DP-1, a description of deficiency/proble.. .ttach additional sheets if necessary

FOOTNOTES (NS)

(1) The Stormwater Management System is operating as intended.

(2) Vegetative root matting

(3) Grading – low point

Date: **2/20/18** Initials: AMD Signature: 

FORM SMS-2
MONTHLY INSPECTION CHECKLIST
STORMWATER DRAINAGE DITCHES
STORMWATER MANAGEMENT SYSTEM
PELHAM BAY LANDFILL, BRONX, NEW YORK

(Reference Volume I, Figures 2-2 and 2-3)

February 2018

Stormwater Collection Manholes (SP Series)												
Item No.	Item Title	Manhole Number										
		SP1	SP2	SP3	SP4	SP5	SP6	SP7	SP8	SP9	SP10	SP11
1	Trashracks	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2	Silt Accumulation	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
3	Pipe Connections to Manhole	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
4	Flow From 8" HDPE Inlets	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
5	Debris/Silt Blockage in 24" Pipe	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
6	Settlement Along 24" Pipe	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
7	Settlement Around Manhole	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
8	Baffles Inside Manhole	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK

Pond Collection Manholes (CP Series)						
Item No.	Item Title	Manhole Number				
		CP1	CP2	CP3	CP4	CP5
1	Grates	OK	OK	OK	OK	OK
2	Silt Accumulation	OK	OK	OK	OK	OK
3	Flow Through Manhole	OK	OK	OK	OK	OK
4	Settlement Above 30" Pipe	OK	OK	OK	OK	OK

Baffled Outlets (BO Series)					
Item No.	Item Title	Manhole Number			
		BO1	BO2	BO3	BO4
1	Silt Accumulation	OK	OK	OK	OK
2	Connection to 24" Pipe	OK	OK	OK	OK
3	Erosion Around Structure	OK	OK	OK	OK
4	Spalling, Cracking, etc.	OK	OK	OK	OK
5	Weep Holes	OK	OK	OK	OK
6	Guard Rails	OK	OK	OK	OK

Notes:

1. Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.
2. Use "NS" (Not Satisfactory) where problems are noted.
3. For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary

Date: **2/22/18** Initials: AMD Signature: _____

FORM SMS-3
MONTHLY INSPECTION CHECKLIST
SEDIMENTATION PONDS
STORMWATER MANAGEMENT SYSTEM
PELHAM BAY LANDFILL, BRONX, NEW YORK
(Reference Volume I, Figure 2-3)

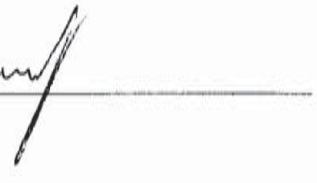
February 2018

Sedimentation Pond A		
Pond		
1	Minimum 2 ft. Freeboard	OK
2	Silt Accumulation	OK
3	Slope Erosion/Stability	OK
4	Debris (dead vegetation)	OK
	Outlet Structure	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK

Sedimentation Pond B		
	Pond	
1	Minimum 2 ft. Freeboard	OK
2	Silt Accumulation	OK
3	Slope Erosion/Stability	OK
4	Debris (dead vegetation)	OK
	Inlet Structure	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
	Outlet Structure	
1	Debris/Silt Blockage (overgrown vegetation)	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK

Sedimentation Pond C		
	Pond	
1	Minimum 2 ft. Freeboard	OK
2	Silt Accumulation	OK
3	Slope Erosion/Stability	OK
4	Debris	OK
5	Riprap	OK
	Inlet Structure	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
5	Riprap	OK
	RCP Inlet Section	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
5	Weepholes	OK
6	Trashrack	OK
7	RC Pipe	OK
	RCP Outlet Section	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
5	Trashrack	OK
6	Flapgate	OK
7	Spillway Riprap	OK

Notes:
1. Use "NS" (Not Satisfactory) where problems are noted.
2. For boxes checked NS, on Form DP-1, note a description of deficiency/problem.
3. "NC" applies to areas that were inaccessible for inspection. In this form it denotes areas with overgrown and/or excessive dead vegetation.

Date: 2/27/18 Initials: AMD Signature: 

FORM SMS-1
MONTHLY INSPECTION CHECKLIST
STORMWATER DRAINAGE DITCHES
STORMWATER MANAGEMENT SYSTEM
PELHAM BAY LANDFILL, BRONX, NEW YORK
(Reference Volume I, Figures 2-2 and 2-3

March 2018

Item	Item	Zone Number													
	Title	1	2	3	4	5	6	7	8	9	10	11	12	13	14
No.	**Drainage Ditch Road A**														
1	Overgrown Vegetation (1)	OK	OK	OK	OK	OK	OK	OK	OK						
2	Standing Water	OK	OK	OK	OK	OK	OK	OK	OK						
3	Sediments and Debris	OK	OK	OK	OK	OK	OK	OK	OK						
4	Erosion/Washouts	OK	OK	OK	OK	OK	OK	OK	OK						
5	Sinkholes	OK	OK	OK	OK	OK	OK	OK	OK						
6	Culvert Road A to Road B								OK						
7	Flapgate at 6" pipe Outlet														
	Drainage Ditch, Road B														
1	Overgrown Vegetation	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
2	Standing Water	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
3	Sediments and Debris	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
4	Erosion/Washouts	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
5	Sinkholes	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
6	Culvert Road B - Road B^2								OK						
	Drainage Ditch, Road B^2														
1	Overgrown Vegetation	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
2	Standing Water	OK	OK	OK	OK	OK	OK	OK	OK	OK	(3)	OK	OK		
3	Sediments and Debris	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
4	Erosion/Washouts	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
5	Sinkholes	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
6	Culvert Road B^2 - Road C								OK						
	Drainage Ditch, Road C														
1	Overgrown Vegetation	OK								OK	OK	OK	OK	OK	OK
2	Standing Water	OK								OK	OK	OK	OK	OK	OK
3	Sediments and Debris	OK								OK	OK	OK	OK	OK	OK
4	Erosion/Washouts	OK								OK	OK	OK	OK	OK	OK
5	Sinkholes	OK								OK	OK	OK	OK	OK	OK
	Drainage Ditch, LF Top														
1	Overgrown Vegetation													OK	OK
2	Standing Water													OK	OK
3	Sediments and Debris													OK	OK
4	Erosion/Washouts													OK	OK
5	Sinkholes													OK	OK
	Curtain Drain														
1	Standing Water	OK													
2	Erosion/Washouts	OK													
	Parking lot														
1	Standing Water	OK													
2	Erosion/Washouts	OK													
	Shore rd.														
1	Standing Water	OK													
2	Erosion/Washouts	OK													

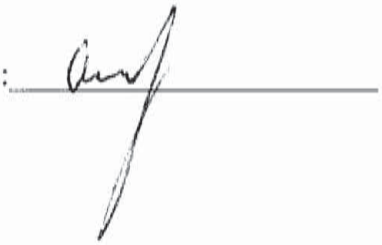
- Use a check in the checkbox to indicate that the s ic item number in the zone has been inspected and no problems were ...ced.
- Use "NS" (Not Satisfactory) where problems are noted.
- For boxes checked on Form DP-1, a description of deficiency/problem. .ttach additional sheets if necessary

FOOTNOTES (NS)

(1) The Stormwater Management System is operating as intended.

(2) Vegetative root matting

(3) Grading – low point

Date: **3/20/18** Initials: AMD Signature: 

FORM SMS-2
MONTHLY INSPECTION CHECKLIST
STORMWATER DRAINAGE DITCHES
STORMWATER MANAGEMENT SYSTEM
PELHAM BAY LANDFILL, BRONX, NEW YORK

(Reference Volume I, Figures 2-2 and 2-3)

March 2018

Stormwater Collection Manholes (SP Series)												
Item No.	Item Title	Manhole Number										
		SP1	SP2	SP3	SP4	SP5	SP6	SP7	SP8	SP9	SP10	SP11
1	Trashracks	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2	Silt Accumulation	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
3	Pipe Connections to Manhole	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
4	Flow From 8" HDPE Inlets	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
5	Debris/Silt Blockage in 24" Pipe	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
6	Settlement Along 24" Pipe	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
7	Settlement Around Manhole	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
8	Baffles Inside Manhole	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK

Pond Collection Manholes (CP Series)						
Item No.	Item Title	Manhole Number				
		CP1	CP2	CP3	CP4	CP5
1	Grates	OK	OK	OK	OK	OK
2	Silt Accumulation	OK	OK	OK	OK	OK
3	Flow Through Manhole	OK	OK	OK	OK	OK
4	Settlement Above 30" Pipe	OK	OK	OK	OK	OK

Baffled Outlets (BO Series)					
Item No.	Item Title	Manhole Number			
		BO1	BO2	BO3	BO4
1	Silt Accumulation	OK	OK	OK	OK
2	Connection to 24" Pipe	OK	OK	OK	OK
3	Erosion Around Structure	OK	OK	OK	OK
4	Spalling, Cracking, etc.	OK	OK	OK	OK
5	Weep Holes	OK	OK	OK	OK
6	Guard Rails	OK	OK	OK	OK

Notes:

1. Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.
2. Use "NS" (Not Satisfactory) where problems are noted.
3. For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary

Date: **3/26/18** Initials: AMD Signature: 

FORM SMS-3
MONTHLY INSPECTION CHECKLIST
SEDIMENTATION PONDS
STORMWATER MANAGEMENT SYSTEM
PELHAM BAY LANDFILL, BRONX, NEW YORK

(Reference Volume I, Figure 2-3)

March 2018

Sedimentation Pond A		
Pond		
1	Minimum 2 ft. Freeboard	OK
2	Silt Accumulation	OK
3	Slope Erosion/Stability	OK
4	Debris (dead vegetation)	OK
	Outlet Structure	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
Sedimentation Pond B		
	Pond	
1	Minimum 2 ft. Freeboard	OK
2	Silt Accumulation	OK
3	Slope Erosion/Stability	OK
4	Debris (dead vegetation)	OK
	Inlet Structure	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
	Outlet Structure	
1	Debris/Silt Blockage (overgrown vegetation)	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK

Sedimentation Pond C		
Pond		
1	Minimum 2 ft. Freeboard	OK
2	Silt Accumulation	OK
3	Slope Erosion/Stability	OK
4	Debris	OK
5	Riprap	OK
	Inlet Structure	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
5	Riprap	OK
	RCP Inlet Section	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
5	Weepholes	OK
6	Trashrack	OK
7	RC Pipe	OK
	RCP Outlet Section	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
5	Trashrack	OK
6	Flapgate	OK
7	Spillway Riprap	OK

Notes:
1. Use "NS" (Not Satisfactory) where problems are noted.
2. For boxes checked NS, on Form DP-1, note a description of deficiency/problem.
3. "NC" applies to areas that were inaccessible for inspection. In this form it denotes areas with overgrown and/or excessive dead vegetation.

Date: 3/30/18 Initials: AMD Signature: _____

FORM SMS-1
MONTHLY INSPECTION CHECKLIST
STORMWATER DRAINAGE DITCHES
STORMWATER MANAGEMENT SYSTEM
PELHAM BAY LANDFILL, BRONX, NEW YORK
(Reference Volume I, Figures 2-2 and 2-3

April 2018

Item	Item Title	Zone Number													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14
No.	**Drainage Ditch Road A**														
1	Overgrown Vegetation (1)	OK	OK	OK	OK	OK	OK	OK	OK						
2	Standing Water	OK	OK	OK	OK	OK	OK	OK	OK						
3	Sediments and Debris	OK	OK	OK	OK	OK	OK	OK	OK						
4	Erosion/Washouts	OK	OK	OK	OK	OK	OK	OK	OK						
5	Sinkholes	OK	OK	OK	OK	OK	OK	OK	OK						
6	Culvert Road A to Road B								OK						
7	Flapgate at 6" pipe Outlet														
	Drainage Ditch, Road B														
1	Overgrown Vegetation	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
2	Standing Water	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
3	Sediments and Debris	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
4	Erosion/Washouts	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
5	Sinkholes	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
6	Culvert Road B - Road B[2]								OK						
	Drainage Ditch, Road B[2]														
1	Overgrown Vegetation	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
2	Standing Water	OK	OK	OK	OK	OK	OK	OK	OK	OK	(3)	OK	OK		
3	Sediments and Debris	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
4	Erosion/Washouts	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
5	Sinkholes	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
6	Culvert Road B[2] - Road C								OK						
	Drainage Ditch, Road C														
1	Overgrown Vegetation	OK								OK	OK	OK	OK	OK	OK
2	Standing Water	OK								OK	OK	OK	OK	OK	OK
3	Sediments and Debris	OK								OK	OK	OK	OK	OK	OK
4	Erosion/Washouts	OK								OK	OK	OK	OK	OK	OK
5	Sinkholes	OK								OK	OK	OK	OK	OK	OK
	Drainage Ditch, LF Top														
1	Overgrown Vegetation													OK	OK
2	Standing Water													OK	OK
3	Sediments and Debris													OK	OK
4	Erosion/Washouts													OK	OK
5	Sinkholes													OK	OK
	Curtain Drain														
1	Standing Water	OK													
2	Erosion/Washouts	OK													
	Parking lot														
1	Standing Water	OK													
2	Erosion/Washouts	OK													
	Shore rd.														
1	Standing Water	OK													
2	Erosion/Washouts	OK													

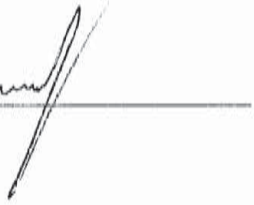
- Use a check in the checkbox to indicate that the fic item number in the zone has been inspected and no problems were noted.
- Use "NS" (Not Satisfactory) where problems are noted.
- For boxes checke , on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary

FOOTNOTES (NS)

(1) The Stormwater Management System is operating as intended.

(2) Vegetative root matting

(3) Grading – low point

Date: **4/23/18** Initials: AMD Signature: 

Post Storm Report FORM SMS-1
MONTHLY INSPECTION CHECKLIST
STORMWATER DRAINAGE DITCHES
STORMWATER MANAGEMENT SYSTEM
PELHAM BAY LANDFILL, BRONX, NEW YORK
(Reference Volume I, Figures 2-2 and 2-3

April 2018

Item	Item Title	Zone Number													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14
No.	**Drainage Ditch Road A**														
1	Overgrown Vegetation (1)	OK	OK	OK	OK	OK	OK	OK	OK						
2	Standing Water	OK	OK	OK	OK	OK	OK	OK	OK						
3	Sediments and Debris	OK	OK	OK	OK	OK	OK	OK	OK						
4	Erosion/Washouts	OK	OK	OK	OK	OK	OK	OK	OK						
5	Sinkholes	OK	OK	OK	OK	OK	OK	OK	OK						
6	Culvert Road A to Road B								OK						
7	Flapgate at 6" pipe Outlet														
	Drainage Ditch, Road B														
1	Overgrown Vegetation	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
2	Standing Water	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
3	Sediments and Debris	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
4	Erosion/Washouts	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
5	Sinkholes	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
6	Culvert Road B - Road B^2								OK						
	Drainage Ditch, Road B^2														
1	Overgrown Vegetation	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
2	Standing Water	OK	OK	OK	OK	OK	OK	OK	OK	OK	(3)	OK	OK		
3	Sediments and Debris	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
4	Erosion/Washouts	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
5	Sinkholes	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
6	Culvert Road B^2 - Road C								OK						
	Drainage Ditch, Road C														
1	Overgrown Vegetation	OK								OK	OK	OK	OK	OK	OK
2	Standing Water	OK								OK	OK	OK	OK	OK	OK
3	Sediments and Debris	OK								OK	OK	OK	OK	OK	OK
4	Erosion/Washouts	OK								OK	OK	OK	OK	OK	OK
5	Sinkholes	OK								OK	OK	OK	OK	OK	OK
	Drainage Ditch, LF Top														
1	Overgrown Vegetation													OK	OK
2	Standing Water													OK	OK
3	Sediments and Debris													OK	OK
4	Erosion/Washouts													OK	OK
5	Sinkholes													OK	OK
	Curtain Drain														
1	Standing Water	OK													
2	Erosion/Washouts	OK													
	Parking lot														
1	Standing Water	OK													
2	Erosion/Washouts	OK													
	Shore rd.														
1	Standing Water	OK													
2	Erosion/Washouts	OK													

- Use a check in the checkbox to indicate that the sp item number in the zone has been inspected and no problems were noted.
- Use "NS" (Not Satisfactory) where problems are noted.
- For boxes checked I n Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary

FOOTNOTES (NS)

(1) The Stormwater Management System is operating as intended.

(2) Vegetative root matting

(3) Grading – low point

Date: **4/17/18** Initials: AMD Signature: 

FORM SMS-1
MONTHLY INSPECTION CHECKLIST
STORMWATER DRAINAGE DITCHES
STORMWATER MANAGEMENT SYSTEM
PELHAM BAY LANDFILL, BRONX, NEW YORK
(Reference Volume I, Figures 2-2 and 2-3

May 2018

Item	Item Title	Zone Number													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14
No:	**Drainage Ditch Road A**														
1	Overgrown Vegetation (1)	OK	OK	OK	OK	OK	OK	OK	OK						
2	Standing Water	OK	OK	OK	OK	OK	OK	OK	OK						
3	Sediments and Debris	OK	OK	OK	OK	OK	OK	OK	OK						
4	Erosion/Washouts	OK	OK	OK	OK	OK	OK	OK	OK						
5	Sinkholes	OK	OK	OK	OK	OK	OK	OK	OK						
6	Culvert Road A to Road B								OK						
7	Flapgate at 6" pipe Outlet														
	Drainage Ditch, Road B														
1	Overgrown Vegetation	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
2	Standing Water	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
3	Sediments and Debris	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
4	Erosion/Washouts	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
5	Sinkholes	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
6	Culvert Road B - Road B[2]								OK						
	Drainage Ditch, Road B[2]														
1	Overgrown Vegetation	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
2	Standing Water	OK	OK	OK	OK	OK	OK	OK	OK	OK	(3)	OK	OK		
3	Sediments and Debris	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
4	Erosion/Washouts	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
5	Sinkholes	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
6	Culvert Road B[2] - Road C								OK						
	Drainage Ditch, Road C														
1	Overgrown Vegetation	OK								OK	OK	OK	OK	OK	OK
2	Standing Water	OK								OK	OK	OK	OK	OK	OK
3	Sediments and Debris	OK								OK	OK	OK	OK	OK	OK
4	Erosion/Washouts	OK								OK	OK	OK	OK	OK	OK
5	Sinkholes	OK								OK	OK	OK	OK	OK	OK
	Drainage Ditch, LF Top														
1	Overgrown Vegetation													OK	OK
2	Standing Water													OK	OK
3	Sediments and Debris													OK	OK
4	Erosion/Washouts													OK	OK
5	Sinkholes													OK	OK
	Curtain Drain														
1	Standing Water	OK													
2	Erosion/Washouts	OK													
	Parking lot														
1	Standing Water	OK													
2	Erosion/Washouts	OK													
	Shore rd.														
1	Standing Water	OK													
2	Erosion/Washouts	OK													

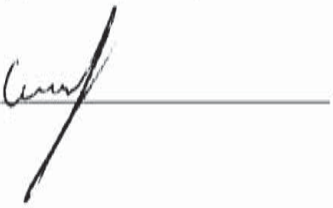
- Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.
- Use "NS" (Not Satisfactory) where problems are noted.
- For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary

FOOTNOTES (NS)

(1) The Stormwater Management System is operating as intended.

(2) Vegetative root matting

(3) Grading – low point

Date: **5/11/18** Initials: AMD Signature: 

FORM SMS-1
MONTHLY INSPECTION CHECKLIST
STORMWATER DRAINAGE DITCHES
STORMWATER MANAGEMENT SYSTEM
PELHAM BAY LANDFILL, BRONX, NEW YORK
(Reference Volume I, Figures 2-2 and 2-3

June 2018

Item	Item Title	Zone Number													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14
No.	**Drainage Ditch Road A**														
1	Overgrown Vegetation (1)	OK	OK	OK	OK	OK	OK	OK	OK						
2	Standing Water	OK	OK	OK	OK	OK	OK	OK	OK						
3	Sediments and Debris	OK	OK	OK	OK	OK	OK	OK	OK						
4	Erosion/Washouts	OK	OK	OK	OK	OK	OK	OK	OK						
5	Sinkholes	OK	OK	OK	OK	OK	OK	OK	OK						
6	Culvert Road A to Road B								OK						
7	Flapgate at 6" pipe Outlet														
	Drainage Ditch, Road B														
1	Overgrown Vegetation	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
2	Standing Water	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
3	Sediments and Debris	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
4	Erosion/Washouts	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
5	Sinkholes	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
6	Culvert Road B - Road B[2]								OK						
	Drainage Ditch, Road B[2]														
1	Overgrown Vegetation	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
2	Standing Water	OK	OK	OK	OK	OK	OK	OK	OK	OK	(3)	OK	OK		
3	Sediments and Debris	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
4	Erosion/Washouts	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
5	Sinkholes	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
6	Culvert Road B[2] - Road C								OK						
	Drainage Ditch, Road C														
1	Overgrown Vegetation	OK								OK	OK	OK	OK	OK	OK
2	Standing Water	OK								OK	OK	OK	OK	OK	OK
3	Sediments and Debris	OK								OK	OK	OK	OK	OK	OK
4	Erosion/Washouts	OK								OK	OK	OK	OK	OK	OK
5	Sinkholes	OK								OK	OK	OK	OK	OK	OK
	Drainage Ditch, LF Top														
1	Overgrown Vegetation													OK	OK
2	Standing Water													OK	OK
3	Sediments and Debris													OK	OK
4	Erosion/Washouts													OK	OK
5	Sinkholes													OK	OK
	Curtain Drain														
1	Standing Water	OK													
2	Erosion/Washouts	OK													
	Parking lot														
1	Standing Water	OK													
2	Erosion/Washouts	OK													
	Shore rd.														
1	Standing Water	OK													
2	Erosion/Washouts	OK													

- Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.
- Use "NS" (Not Satisfactory) where problems are noted.
- For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary

FOOTNOTES (NS)

(1) The Stormwater Management System is operating as intended.

(2) Vegetative root matting

(3) Grading – low point

Date: **6/13/18** Initials: AMD Signature: _____

FORM SMS-2
MONTHLY INSPECTION CHECKLIST
STORMWATER DRAINAGE DITCHES
STORMWATER MANAGEMENT SYSTEM
PELHAM BAY LANDFILL, BRONX, NEW YORK

(Reference Volume I, Figures 2-2 and 2-3)

April 2018

Stormwater Collection Manholes (SP Series)												
Item No.	Item Title	Manhole Number										
		SP1	SP2	SP3	SP4	SP5	SP6	SP7	SP8	SP9	SP10	SP11
1	Trashracks	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
2	Silt Accumulation	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
3	Pipe Connections to Manhole	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
4	Flow From 8" HDPE Inlets	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
5	Debris/Silt Blockage in 24" Pipe	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
6	Settlement Along 24" Pipe	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
7	Settlement Around Manhole	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
8	Baffles Inside Manhole	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK

Pond Collection Manholes (CP Series)						
Item No.	Item Title	Manhole Number				
		CP1	CP2	CP3	CP4	CP5
1	Grates	OK	OK	OK	OK	OK
2	Silt Accumulation	OK	OK	OK	OK	OK
3	Flow Through Manhole	OK	OK	OK	OK	OK
4	Settlement Above 30" Pipe	OK	OK	OK	OK	OK

Baffled Outlets (BO Series)					
Item No.	Item Title	Manhole Number			
		BO1	BO2	BO3	BO4
1	Silt Accumulation	Ns	NS	NS	NS
2	Connection to 24" Pipe	OK	OK	OK	OK
3	Erosion Around Structure	OK	OK	OK	OK
4	Spalling, Cracking, etc.	OK	OK	OK	OK
5	Weep Holes	OK	OK	OK	OK
6	Guard Rails	OK	OK	OK	OK

Notes:

1. Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.
2. Use "NS" (Not Satisfactory) where problems are noted.
3. For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary

Date: **4/17/18** Initials: AMD Signature: _____

FORM DP-1
DESCRIPTION OF DEFICIENCEIES AND PROBLEMS
PELHAM BAY LANDFILL, BRONX, NY

Month: April 2018

FORM NO.	LOCATION	DESCRIPTION OF PROBLEM	CORRECTIVE ACTION
SMS-2	All Baffles	Silt accumulation	Cleaned out.

DATE: 4/17/2018

INSPECTED BY: AMD

WEATHER: Rain

SIGNATURE: _____

Post Storm Report FORM SMS-2
MONTHLY INSPECTION CHECKLIST
STORMWATER DRAINAGE DITCHES
STORMWATER MANAGEMENT SYSTEM
PELHAM BAY LANDFILL, BRONX, NEW YORK

(Reference Volume I, Figures 2-2 and 2-3)

April 2018

Stormwater Collection Manholes (SP Series)												
Item No.	Item Title	Manhole Number										
		SP1	SP2	SP3	SP4	SP5	SP6	SP7	SP8	SP9	SP10	SP11
1	Trashracks	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2	Silt Accumulation	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
3	Pipe Connections to Manhole	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
4	Flow From 8" HDPE Inlets	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
5	Debris/Silt Blockage in 24" Pipe	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
6	Settlement Along 24" Pipe	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
7	Settlement Around Manhole	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
8	Baffles Inside Manhole	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK

Pond Collection Manholes (CP Series)						
Item No.	Item Title	Manhole Number				
		CP1	CP2	CP3	CP4	CP5
1	Grates	OK	OK	OK	OK	OK
2	Silt Accumulation	OK	OK	OK	OK	OK
3	Flow Through Manhole	OK	OK	OK	OK	OK
4	Settlement Above 30" Pipe	OK	OK	OK	OK	OK

Baffled Outlets (BO Series)					
Item No.	Item Title	Manhole Number			
		BO1	BO2	BO3	BO4
1	Silt Accumulation	OK	OK	OK	OK
2	Connection to 24" Pipe	OK	OK	OK	OK
3	Erosion Around Structure	OK	OK	OK	OK
4	Spalling, Cracking, etc.	OK	OK	OK	OK
5	Weep Holes	OK	OK	OK	OK
6	Guard Rails	OK	OK	OK	OK

Notes:

1. Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.
2. Use "NS" (Not Satisfactory) where problems are noted.
3. For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary

Date: **4/17/18** Initials: AMD Signature: _____

FORM SMS-2
MONTHLY INSPECTION CHECKLIST
STORMWATER DRAINAGE DITCHES
STORMWATER MANAGEMENT SYSTEM
PELHAM BAY LANDFILL, BRONX, NEW YORK

(Reference Volume I, Figures 2-2 and 2-3)

May 2018

Stormwater Collection Manholes (SP Series)												
Item No.	Item Title	Manhole Number										
		SP1	SP2	SP3	SP4	SP5	SP6	SP7	SP8	SP9	SP10	SP11
1	Trashracks	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
2	Silt Accumulation	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
3	Pipe Connections to Manhole	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
4	Flow From 8" HDPE Inlets	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
5	Debris/Silt Blockage in 24" Pipe	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
6	Settlement Along 24" Pipe	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
7	Settlement Around Manhole	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
8	Baffles Inside Manhole	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK

Pond Collection Manholes (CP Series)						
Item No.	Item Title	Manhole Number				
		CP1	CP2	CP3	CP4	CP5
1	Grates	OK	OK	OK	OK	OK
2	Silt Accumulation	OK	OK	OK	OK	OK
3	Flow Through Manhole	OK	OK	OK	OK	OK
4	Settlement Above 30" Pipe	OK	OK	OK	OK	OK

Baffled Outlets (BO Series)					
Item No.	Item Title	Manhole Number			
		BO1	BO2	BO3	BO4
1	Silt Accumulation	OK	OK	OK	OK
2	Connection to 24" Pipe	OK	OK	OK	OK
3	Erosion Around Structure	OK	OK	OK	OK
4	Spalling, Cracking, etc.	OK	OK	OK	OK
5	Weep Holes	OK	OK	OK	OK
6	Guard Rails	OK	OK	OK	OK

Notes:

1. Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.
2. Use "NS" (Not Satisfactory) where problems are noted.
3. For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary

Date: **5/21/18** Initials: AMD Signature: _____

FORM SMS-2
MONTHLY INSPECTION CHECKLIST
STORMWATER DRAINAGE DITCHES
STORMWATER MANAGEMENT SYSTEM
PELHAM BAY LANDFILL, BRONX, NEW YORK

(Reference Volume I, Figures 2-2 and 2-3)

June 2018

Stormwater Collection Manholes (SP Series)												
Item No.	Item Title	Manhole Number										
		SP1	SP2	SP3	SP4	SP5	SP6	SP7	SP8	SP9	SP10	SP11
1	Trashracks	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
2	Silt Accumulation	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
3	Pipe Connections to Manhole	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
4	Flow From 8" HDPE Inlets	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
5	Debris/Silt Blockage in 24" Pipe	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
6	Settlement Along 24" Pipe	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
7	Settlement Around Manhole	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
8	Baffles Inside Manhole	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK

Pond Collection Manholes (CP Series)						
Item No.	Item Title	Manhole Number				
		CP1	CP2	CP3	CP4	CP5
1	Grates	OK	OK	OK	OK	OK
2	Silt Accumulation	OK	OK	OK	OK	OK
3	Flow Through Manhole	OK	OK	OK	OK	OK
4	Settlement Above 30" Pipe	OK	OK	OK	OK	OK

Baffled Outlets (BO Series)					
Item No.	Item Title	Manhole Number			
		BO1	BO2	BO3	BO4
1	Silt Accumulation	OK	OK	OK	OK
2	Connection to 24" Pipe	OK	OK	OK	OK
3	Erosion Around Structure	OK	OK	OK	OK
4	Spalling, Cracking, etc.	OK	OK	OK	OK
5	Weep Holes	NS	NS	NS	NS
6	Guard Rails	OK	OK	OK	OK

Notes:

1. Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.
2. Use "NS" (Not Satisfactory) where problems are noted.
3. For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary

Date: 6/19/18 Initials: AMD Signature: 

FORM DP-1
DESCRIPTION OF DEFICIENCEIES AND PROBLEMS
PELHAM BAY LANDFILL, BRONX, NY

Month: June 2018

FORM NO.	LOCATION	DESCRIPTION OF PROBLEM	CORRECTIVE ACTION
SMS-2	All Baffles	Weep holes.	Cleaned out.

DATE: 6/19/2018 INSPECTED BY: AMD

WEATHER: Cloudy. SIGNATURE:

FORM SMS-3
MONTHLY INSPECTION CHECKLIST
SEDIMENTATION PONDS
STORMWATER MANAGEMENT SYSTEM
PELHAM BAY LANDFILL, BRONX, NEW YORK

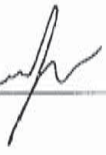
(Reference Volume I, Figure 2-3)

April 2018

Sedimentation Pond A		
	Pond	
1	Minimum 2 ft. Freeboard	OK
2	Silt Accumulation	OK
3	Slope Erosion/Stability	OK
4	Debris (dead vegetation)	OK
	Outlet Structure	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
Sedimentation Pond B		
	Pond	
1	Minimum 2 ft. Freeboard	OK
2	Silt Accumulation	OK
3	Slope Erosion/Stability	OK
4	Debris (dead vegetation)	OK
	Inlet Structure	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
	Outlet Structure	
1	Debris/Silt Blockage (overgrown vegetation)	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK

Sedimentation Pond C		
	Pond	
1	Minimum 2 ft. Freeboard	OK
2	Silt Accumulation	OK
3	Slope Erosion/Stability	OK
4	Debris	OK
5	Riprap	OK
	Inlet Structure	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
5	Riprap	OK
	RCP Inlet Section	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
5	Weepholes	OK
6	Trashrack	OK
7	RC Pipe	OK
	RCP Outlet Section	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
5	Trashrack	OK
6	Flapgate	OK
7	Spillway Riprap	OK

Notes:
1. Use "NS" (Not Satisfactory) where problems are noted.
2. For boxes checked NS, on Form DP-1, note a description of deficiency/problem.
3. "NC" applies to areas that were inaccessible for inspection. In this form it denotes areas with overgrown and/or excessive dead vegetation.

Date: 4/26/18 Initials: AMD Signature: 

Post Storm Report FORM SMS-3
MONTHLY INSPECTION CHECKLIST
SEDIMENTATION PONDS
STORMWATER MANAGEMENT SYSTEM
PELHAM BAY LANDFILL, BRONX, NEW YORK

(Reference Volume I, Figure 2-3)

April 2018

Sedimentation Pond A		
Pond		
1	Minimum 2 ft. Freeboard	OK
2	Silt Accumulation	OK
3	Slope Erosion/Stability	OK
4	Debris (dead vegetation)	OK
	Outlet Structure	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
Sedimentation Pond B		
	Pond	
1	Minimum 2 ft. Freeboard	OK
2	Silt Accumulation	OK
3	Slope Erosion/Stability	OK
4	Debris (dead vegetation)	OK
	Inlet Structure	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
	Outlet Structure	
1	Debris/Silt Blockage (overgrown vegetation)	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK

Sedimentation Pond C		
Pond		
1	Minimum 2 ft. Freeboard	OK
2	Silt Accumulation	OK
3	Slope Erosion/Stability	OK
4	Debris	OK
5	Riprap	OK
	Inlet Structure	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
5	Riprap	OK
	RCP Inlet Section	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
5	Weepholes	OK
6	Trashrack	OK
7	RC Pipe	OK
	RCP Outlet Section	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
5	Trashrack	OK
6	Flapgate	OK
7	Spillway Riprap	OK

Notes:
1. Use "NS" (Not Satisfactory) where problems are noted.
2. For boxes checked NS, on Form DP-1, note a description of deficiency/problem.
3. "NC" applies to areas that were inaccessible for inspection. In this form it denotes areas with overgrown and/or excessive dead vegetation.

Date: 4/17/18 Initials: AMD Signature: _____

FORM SMS-3
MONTHLY INSPECTION CHECKLIST
SEDIMENTATION PONDS
STORMWATER MANAGEMENT SYSTEM
PELHAM BAY LANDFILL, BRONX, NEW YORK

(Reference Volume I, Figure 2-3)

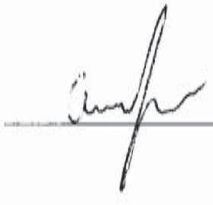
May 2018

	Sedimentation Pond A	
	Pond	
1	Minimum 2 ft. Freeboard	OK
2	Silt Accumulation	OK
3	Slope Erosion/Stability	OK
4	Debris (dead vegetation)	OK
	Outlet Structure	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK

	Sedimentation Pond B	
	Pond	
1	Minimum 2 ft. Freeboard	OK
2	Silt Accumulation	OK
3	Slope Erosion/Stability	OK
4	Debris (dead vegetation)	OK
	Inlet Structure	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
	Outlet Structure	
1	Debris/Silt Blockage (overgrown vegetation)	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK

	Sedimentation Pond C	
	Pond	
1	Minimum 2 ft. Freeboard	OK
2	Silt Accumulation	OK
3	Slope Erosion/Stability	OK
4	Debris	OK
5	Riprap	OK
	Inlet Structure	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
5	Riprap	OK
	RCP Inlet Section	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
5	Weepholes	OK
6	Trashrack	OK
7	RC Pipe	OK
	RCP Outlet Section	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
5	Trashrack	OK
6	Flapgate	OK
7	Spillway Riprap	OK

Notes:
1. Use "NS" (Not Satisfactory) where problems are noted.
2. For boxes checked NS, on Form DP-1, note a description of deficiency/problem.
3. "NC" applies to areas that were inaccessible for inspection. In this form it denotes areas with overgrown and/or excessive dead vegetation.

Date: 5/23/18 Initials: AMD Signature: 

FORM SMS-3
MONTHLY INSPECTION CHECKLIST
SEDIMENTATION PONDS
STORMWATER MANAGEMENT SYSTEM
PELHAM BAY LANDFILL, BRONX, NEW YORK

(Reference Volume I, Figure 2-3)

June 2018

Sedimentation Pond A		
Pond		
1	Minimum 2 ft. Freeboard	OK
2	Silt Accumulation	OK
3	Slope Erosion/Stability	OK
4	Debris (dead vegetation)	OK
	Outlet Structure	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK

Sedimentation Pond B		
	Pond	
1	Minimum 2 ft. Freeboard	OK
2	Silt Accumulation	OK
3	Slope Erosion/Stability	OK
4	Debris (dead vegetation)	OK
	Inlet Structure	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
	Outlet Structure	
1	Debris/Silt Blockage (overgrown vegetation)	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK

Sedimentation Pond C		
	Pond	
1	Minimum 2 ft. Freeboard	OK
2	Silt Accumulation	OK
3	Slope Erosion/Stability	OK
4	Debris	OK
5	Riprap	OK
	Inlet Structure	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
5	Riprap	OK
	RCP Inlet Section	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
5	Weepholes	OK
6	Trashrack	OK
7	RC Pipe	OK
	RCP Outlet Section	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
5	Trashrack	OK
6	Flapgate	OK
7	Spillway Riprap	OK

Notes:
1. Use "NS" (Not Satisfactory) where problems are noted.
2. For boxes checked NS, on Form DP-1, note a description of deficiency/problem.
3. "NC" applies to areas that were inaccessible for inspection. In this form it denotes areas with overgrown and/or excessive dead vegetation.

Date: 6/22/18 Initials: AMD Signature: 

FORM SMS-1
MONTHLY INSPECTION CHECKLIST
STORMWATER DRAINAGE DITCHES
STORMWATER MANAGEMENT SYSTEM
PELHAM BAY LANDFILL, BRONX, NEW YORK
(Reference Volume I, Figures 2-2 and 2-3
July 2018

Item	Item	Zone Number													
	Title	1	2	3	4	5	6	7	8	9	10	11	12	13	14
No.	**Drainage Ditch Road A**														
1	Overgrown Vegetation (1)	OK	OK	OK	OK	OK	OK	OK	OK						
2	Standing Water	OK	OK	OK	OK	OK	OK	OK	OK						
3	Sediments and Debris	OK	OK	OK	OK	OK	OK	OK	OK						
4	Erosion/Washouts	OK	OK	OK	OK	OK	OK	OK	OK						
5	Sinkholes	OK	OK	OK	OK	OK	OK	OK	OK						
6	Culvert Road A to Road B								OK						
7	Flapgate at 6" pipe Outlet														
	Drainage Ditch, Road B														
1	Overgrown Vegetation	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
2	Standing Water	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
3	Sediments and Debris	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
4	Erosion/Washouts	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
5	Sinkholes	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
6	Culvert Road B - Road B[2]								OK						
	Drainage Ditch, Road B[2]														
1	Overgrown Vegetation	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
2	Standing Water	OK	OK	OK	OK	OK	OK	OK	OK	OK	(3)	OK	OK		
3	Sediments and Debris	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
4	Erosion/Washouts	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
5	Sinkholes	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
6	Culvert Road B[2] - Road C								OK						
	Drainage Ditch, Road C														
1	Overgrown Vegetation	OK								OK	OK	OK	OK	OK	OK
2	Standing Water	OK								OK	OK	OK	OK	OK	OK
3	Sediments and Debris	OK								OK	OK	OK	OK	OK	OK
4	Erosion/Washouts	OK								OK	OK	OK	OK	OK	OK
5	Sinkholes	OK								OK	OK	OK	OK	OK	OK
	Drainage Ditch, LF Top														
1	Overgrown Vegetation													OK	OK
2	Standing Water													OK	OK
3	Sediments and Debris													OK	OK
4	Erosion/Washouts													OK	OK
5	Sinkholes													OK	OK
	Curtain Drain														
1	Standing Water	OK													
2	Erosion/Washouts	OK													
	Parking lot														
1	Standing Water	OK													
2	Erosion/Washouts	OK													
	Shore rd.														
1	Standing Water	OK													
2	Erosion/Washouts	OK													

- Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.
- Use "NS" (Not Satisfactory) where problems are noted.
- For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary

FOOTNOTES (NS)

(1) The Stormwater Management System is operating as intended.

(2) Vegetative root matting
(3) Grading – low point

Date: **7/12/18** Initials: AMD Signature: _____

FORM SMS-2
MONTHLY INSPECTION CHECKLIST
STORMWATER DRAINAGE DITCHES
STORMWATER MANAGEMENT SYSTEM
PELHAM BAY LANDFILL, BRONX, NEW YORK

(Reference Volume I, Figures 2-2 and 2-3)

July 2018

Stormwater Collection Manholes (SP Series)												
Item No.	Item Title	Manhole Number										
		SP1	SP2	SP3	SP4	SP5	SP6	SP7	SP8	SP9	SP10	SP11
1	Trashracks	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
2	Silt Accumulation	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
3	Pipe Connections to Manhole	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
4	Flow From 8" HDPE Inlets	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
5	Debris/Silt Blockage in 24" Pipe	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
6	Settlement Along 24" Pipe	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
7	Settlement Around Manhole	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
8	Baffles Inside Manhole	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK

Pond Collection Manholes (CP Series)						
Item No.	Item Title	Manhole Number				
		CP1	CP2	CP3	CP4	CP5
1	Grates	OK	OK	OK	OK	OK
2	Silt Accumulation	OK	OK	OK	OK	OK
3	Flow Through Manhole	OK	OK	OK	OK	OK
4	Settlement Above 30" Pipe	OK	OK	OK	OK	OK

Baffled Outlets (BO Series)					
Item No.	Item Title	Manhole Number			
		BO1	BO2	BO3	BO4
1	Silt Accumulation	NS	NS	NS	NS
2	Connection to 24" Pipe	OK	OK	OK	OK
3	Erosion Around Structure	OK	OK	OK	OK
4	Spalling, Cracking, etc.	OK	OK	OK	OK
5	Weep Holes	OK	OK	OK	OK
6	Guard Rails	OK	OK	OK	OK

Notes:

1. Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.
2. Use "NS" (Not Satisfactory) where problems are noted.
3. For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary

Date: **7/16/18** Initials: AMD Signature: 

FORM DP-1
DESCRIPTION OF DEFICIENCEIES AND PROBLEMS
PELHAM BAY LANDFILL, BRONX, NY

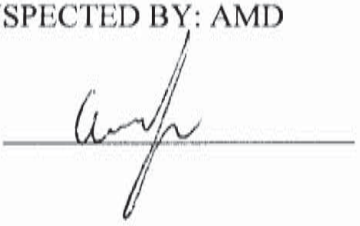
Month: July 2018

FORM NO.	LOCATION	DESCRIPTION OF PROBLEM	CORRECTIVE ACTION
SMS-2	All Baffles	Silt accumulation	Cleaned out.

DATE: 7/16/2018

INSPECTED BY: AMD

WEATHER: Hazy

SIGNATURE: 

FORM SMS-3
MONTHLY INSPECTION CHECKLIST
SEDIMENTATION PONDS
STORMWATER MANAGEMENT SYSTEM
PELHAM BAY LANDFILL, BRONX, NEW YORK

(Reference Volume I, Figure 2-3)

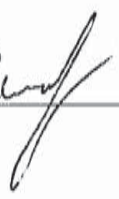
July 2018

Sedimentation Pond A		
Pond		
1	Minimum 2 ft. Freeboard	OK
2	Silt Accumulation	OK
3	Slope Erosion/Stability	OK
4	Debris (dead vegetation)	OK
	Outlet Structure	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK

Sedimentation Pond B		
	Pond	
1	Minimum 2 ft. Freeboard	OK
2	Silt Accumulation	OK
3	Slope Erosion/Stability	OK
4	Debris (dead vegetation)	OK
	Inlet Structure	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
	Outlet Structure	
1	Debris/Silt Blockage (overgrown vegetation)	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK

Sedimentation Pond C		
	Pond	
1	Minimum 2 ft. Freeboard	OK
2	Silt Accumulation	OK
3	Slope Erosion/Stability	OK
4	Debris	OK
5	Riprap	OK
	Inlet Structure	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
5	Riprap	OK
	RCP Inlet Section	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
5	Weepholes	OK
6	Trashrack	OK
7	RC Pipe	OK
	RCP Outlet Section	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
5	Trashrack	OK
6	Flapgate	OK
7	Spillway Riprap	OK

Notes:
1. Use "NS" (Not Satisfactory) where problems are noted.
2. For boxes checked NS, on Form DP-1, note a description of deficiency/problem.
3. "NC" applies to areas that were inaccessible for inspection. In this form it denotes areas with overgrown and/or excessive dead vegetation.

Date: 7/27/18 Initials: AMD Signature: 

FORM SMS-1
MONTHLY INSPECTION CHECKLIST
STORMWATER DRAINAGE DITCHES
STORMWATER MANAGEMENT SYSTEM
PELHAM BAY LANDFILL, BRONX, NEW YORK
(Reference Volume I, Figures 2-2 and 2-3
August 2018

Item	Item Title	Zone Number													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14
No.	**Drainage Ditch Road A**														
1	Overgrown Vegetation (1)	OK	OK	OK	OK	OK	OK	OK	OK						
2	Standing Water	OK	OK	OK	OK	OK	OK	OK	OK						
3	Sediments and Debris	OK	OK	OK	OK	OK	OK	OK	OK						
4	Erosion/Washouts	OK	OK	OK	OK	OK	OK	OK	OK						
5	Sinkholes	OK	OK	OK	OK	OK	OK	OK	OK						
6	Culvert Road A to Road B								OK						
7	Flapgate at 6" pipe Outlet														
	Drainage Ditch, Road B														
1	Overgrown Vegetation	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
2	Standing Water	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
3	Sediments and Debris	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
4	Erosion/Washouts	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
5	Sinkholes	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
6	Culvert Road B - Road B^2								OK						
	Drainage Ditch, Road B^2														
1	Overgrown Vegetation	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
2	Standing Water	OK	OK	OK	OK	OK	OK	OK	OK	OK	(3)	OK	OK		
3	Sediments and Debris	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
4	Erosion/Washouts	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
5	Sinkholes	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
6	Culvert Road B^2 - Road C								OK						
	Drainage Ditch, Road C														
1	Overgrown Vegetation	OK								OK	OK	OK	OK	OK	OK
2	Standing Water	OK								OK	OK	OK	OK	OK	OK
3	Sediments and Debris	OK								OK	OK	OK	OK	OK	OK
4	Erosion/Washouts	OK								OK	OK	OK	OK	OK	OK
5	Sinkholes	OK								OK	OK	OK	OK	OK	OK
	Drainage Ditch, LF Top														
1	Overgrown Vegetation													OK	OK
2	Standing Water													OK	OK
3	Sediments and Debris													OK	OK
4	Erosion/Washouts													OK	OK
5	Sinkholes													OK	OK
	Curtain Drain														
1	Standing Water	OK													
2	Erosion/Washouts	OK													
	Parking lot														
1	Standing Water	OK													
2	Erosion/Washouts	OK													
	Shore rd.														
1	Standing Water	OK													
2	Erosion/Washouts	OK													

- Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.
- Use "NS" (Not Satisfactory) where problems are noted.
- For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary

FOOTNOTES (NS)

(1) The Stormwater Management System is operating as intended.

(2) Vegetative root matting

(3) Grading – low point

Date: **8/20/18** Initials: AMD Signature: _____

FORM SMS-2
MONTHLY INSPECTION CHECKLIST
STORMWATER DRAINAGE DITCHES
STORMWATER MANAGEMENT SYSTEM
PELHAM BAY LANDFILL, BRONX, NEW YORK

(Reference Volume I, Figures 2-2 and 2-3)

August 2018

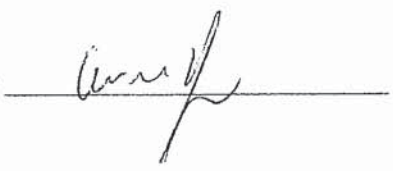
Stormwater Collection Manholes (SP Series)												
Item No.	Item Title	Manhole Number										
		SP1	SP2	SP3	SP4	SP5	SP6	SP7	SP8	SP9	SP10	SP11
1	Trashracks	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
2	Silt Accumulation	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
3	Pipe Connections to Manhole	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
4	Flow From 8" HDPE Inlets	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
5	Debris/Silt Blockage in 24" Pipe	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
6	Settlement Along 24" Pipe	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
7	Settlement Around Manhole	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
8	Baffles Inside Manhole	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK

Pond Collection Manholes (CP Series)						
Item No.	Item Title	Manhole Number				
		CP1	CP2	CP3	CP4	CP5
1	Grates	OK	OK	OK	OK	OK
2	Silt Accumulation	OK	OK	OK	OK	OK
3	Flow Through Manhole	OK	OK	OK	OK	OK
4	Settlement Above 30" Pipe	OK	OK	OK	OK	OK

Baffled Outlets (BO Series)					
Item No.	Item Title	Manhole Number			
		BO1	BO2	BO3	BO4
1	Silt Accumulation	OK	OK	OK	OK
2	Connection to 24" Pipe	OK	OK	OK	OK
3	Erosion Around Structure	OK	OK	OK	OK
4	Spalling, Cracking, etc.	OK	OK	OK	OK
5	Weep Holes	OK	OK	OK	OK
6	Guard Rails	OK	OK	OK	OK

Notes:

1. Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.
2. Use "NS" (Not Satisfactory) where problems are noted.
3. For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary

Date: **8/23/18** Initials: AMD Signature: 

FORM SMS-3
MONTHLY INSPECTION CHECKLIST
SEDIMENTATION PONDS
STORMWATER MANAGEMENT SYSTEM
PELHAM BAY LANDFILL, BRONX, NEW YORK

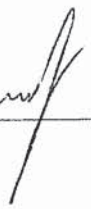
(Reference Volume I, Figure 2-3)

August 2018

Sedimentation Pond A		
Pond		
1	Minimum 2 ft. Freeboard	OK
2	Silt Accumulation	OK
3	Slope Erosion/Stability	OK
4	Debris (dead vegetation)	OK
	Outlet Structure	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
Sedimentation Pond B		
	Pond	
1	Minimum 2 ft. Freeboard	OK
2	Silt Accumulation	OK
3	Slope Erosion/Stability	OK
4	Debris (dead vegetation)	OK
	Inlet Structure	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
	Outlet Structure	
1	Debris/Silt Blockage (overgrown vegetation)	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK

Sedimentation Pond C		
Pond		
1	Minimum 2 ft. Freeboard	OK
2	Silt Accumulation	OK
3	Slope Erosion/Stability	OK
4	Debris	OK
5	Riprap	OK
	Inlet Structure	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
5	Riprap	OK
	RCP Inlet Section	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
5	Weepholes	OK
6	Trashrack	OK
7	RC Pipe	OK
	RCP Outlet Section	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
5	Trashrack	OK
6	Flapgate	OK
7	Spillway Riprap	OK

Notes:
1. Use "NS" (Not Satisfactory) where problems are noted.
2. For boxes checked NS, on Form DP-1, note a description of deficiency/problem.
3. "NC" applies to areas that were inaccessible for inspection. In this form it denotes areas with overgrown and/or excessive dead vegetation.

Date: 8/27/18 Initials: AMD Signature: 

FORM SMS-1
MONTHLY INSPECTION CHECKLIST
STORMWATER DRAINAGE DITCHES
STORMWATER MANAGEMENT SYSTEM
PELHAM BAY LANDFILL, BRONX, NEW YORK
(Reference Volume I, Figures 2-2 and 2-3
September 2018

Item	Item Title	Zone Number													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14
No.	**Drainage Ditch Road A**														
1	Overgrown Vegetation (1)	OK	OK	OK	OK	OK	OK	OK	OK						
2	Standing Water	OK	OK	OK	OK	OK	OK	OK	OK						
3	Sediments and Debris	OK	OK	OK	OK	OK	OK	OK	OK						
4	Erosion/Washouts	OK	OK	OK	OK	OK	OK	OK	OK						
5	Sinkholes	OK	OK	OK	OK	OK	OK	OK	OK						
6	Culvert Road A to Road B								OK						
7	Flapgate at 6" pipe Outlet														
	Drainage Ditch, Road B														
1	Overgrown Vegetation	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
2	Standing Water	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
3	Sediments and Debris	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
4	Erosion/Washouts	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
5	Sinkholes	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
6	Culvert Road B - Road B[2]								OK						
	Drainage Ditch, Road B[2]														
1	Overgrown Vegetation	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
2	Standing Water	OK	OK	OK	OK	OK	OK	OK	OK	OK	(3)	OK	OK		
3	Sediments and Debris	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
4	Erosion/Washouts	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
5	Sinkholes	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
6	Culvert Road B[2] - Road C								OK						
	Drainage Ditch, Road C														
1	Overgrown Vegetation	OK								OK	OK	OK	OK	OK	OK
2	Standing Water	OK								OK	OK	OK	OK	OK	OK
3	Sediments and Debris	OK								OK	OK	OK	OK	OK	OK
4	Erosion/Washouts	OK								OK	OK	OK	OK	OK	OK
5	Sinkholes	OK								OK	OK	OK	OK	OK	OK
	Drainage Ditch, LF Top														
1	Overgrown Vegetation													OK	OK
2	Standing Water													OK	OK
3	Sediments and Debris													OK	OK
4	Erosion/Washouts													OK	OK
5	Sinkholes													OK	OK
	Curtain Drain														
1	Standing Water	OK													
2	Erosion/Washouts	OK													
	Parking lot														
1	Standing Water	OK													
2	Erosion/Washouts	OK													
	Shore rd.														
1	Standing Water	OK													
2	Erosion/Washouts	OK													

- Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.
- Use "NS" (Not Satisfactory) where problems are noted.
- For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary

FOOTNOTES (NS)

(1) The Stormwater Management System is operating as intended.

(2) Vegetative root matting
(3) Grading – low point

Date: **9/17/18** Initials: AMD Signature: _____

FORM SMS-2
MONTHLY INSPECTION CHECKLIST
STORMWATER DRAINAGE DITCHES
STORMWATER MANAGEMENT SYSTEM
PELHAM BAY LANDFILL, BRONX, NEW YORK

(Reference Volume I, Figures 2-2 and 2-3)

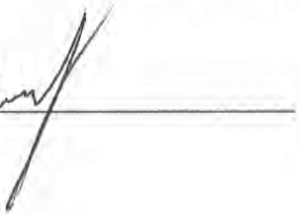
September 2018

Stormwater Collection Manholes (SP Series)												
Item No.	Item Title	Manhole Number										
		SP1	SP2	SP3	SP4	SP5	SP6	SP7	SP8	SP9	SP10	SP11
1	Trashracks	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
2	Silt Accumulation	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
3	Pipe Connections to Manhole	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
4	Flow From 8" HDPE Inlets	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
5	Debris/Silt Blockage in 24" Pipe	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
6	Settlement Along 24" Pipe	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
7	Settlement Around Manhole	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
8	Baffles Inside Manhole	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK

Pond Collection Manholes (CP Series)						
Item No.	Item Title	Manhole Number				
		CP1	CP2	CP3	CP4	CP5
1	Grates	OK	OK	OK	OK	OK
2	Silt Accumulation	OK	OK	OK	OK	OK
3	Flow Through Manhole	OK	OK	OK	OK	OK
4	Settlement Above 30" Pipe	OK	OK	OK	OK	OK

Baffled Outlets (BO Series)					
Item No.	Item Title	Manhole Number			
		BO1	BO2	BO3	BO4
1	Silt Accumulation	NS	NS	NS	NS
2	Connection to 24" Pipe	OK	OK	OK	OK
3	Erosion Around Structure	OK	OK	OK	OK
4	Spalling, Cracking, etc.	OK	OK	OK	OK
5	Weep Holes	OK	OK	OK	OK
6	Guard Rails	OK	OK	OK	OK

Notes:
1. Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.
2. Use "NS" (Not Satisfactory) where problems are noted.
3. For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary

Date: **9/21/18** Initials: AMD Signature: 

FORM DP-1
DESCRIPTION OF DEFICIENCEIES AND PROBLEMS
PELHAM BAY LANDFILL, BRONX, NY

Month: <u>September 2018</u>

FORM NO.	LOCATION	DESCRIPTION OF PROBLEM	CORRECTIVE ACTION
SMS-2	All Baffles	Silt accumulation	Cleaned out.

DATE: 9/21/2018

INSPECTED BY: AMD

WEATHER: Sunny.

SIGNATURE: 

FORM SMS-3
MONTHLY INSPECTION CHECKLIST
SEDIMENTATION PONDS
STORMWATER MANAGEMENT SYSTEM
PELHAM BAY LANDFILL, BRONX, NEW YORK

(Reference Volume I, Figure 2-3)

September 2018

Sedimentation Pond A		
Pond		
1	Minimum 2 ft. Freeboard	OK
2	Silt Accumulation	OK
3	Slope Erosion/Stability	OK
4	Debris (dead vegetation)	OK
	Outlet Structure	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
Sedimentation Pond B		
	Pond	
1	Minimum 2 ft. Freeboard	OK
2	Silt Accumulation	OK
3	Slope Erosion/Stability	OK
4	Debris (dead vegetation)	OK
	Inlet Structure	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
	Outlet Structure	
1	Debris/Silt Blockage (overgrown vegetation)	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK

Sedimentation Pond C		
Pond		
1	Minimum 2 ft. Freeboard	OK
2	Silt Accumulation	OK
3	Slope Erosion/Stability	OK
4	Debris	OK
5	Riprap	OK
	Inlet Structure	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
5	Riprap	OK
	RCP Inlet Section	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
5	Weepholes	OK
6	Trashrack	OK
7	RC Pipe	OK
	RCP Outlet Section	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
5	Trashrack	OK
6	Flapgate	OK
7	Spillway Riprap	OK

Notes:
1. Use "NS" (Not Satisfactory) where problems are noted.
2. For boxes checked NS, on Form DP-1, note a description of deficiency/problem.
3. "NC" applies to areas that were inaccessible for inspection. In this form it denotes areas with overgrown and/or excessive dead vegetation.

Date: 9/26/18 Initials: AMD Signature: 

FORM DP-1
DESCRIPTION OF DEFICIENCEIES AND PROBLEMS
PELHAM BAY LANDFILL, BRONX, NY

Month: September 2018

FORM NO.	LOCATION	DESCRIPTION OF PROBLEM	CORRECTIVE ACTION
LFG-2	Well #2	Cracked pipe connection.	Pipe fixed.

DATE: 9/19/2018

INSPECTED BY: AMD

WEATHER: Sunny.

SIGNATURE: _____

FORM SMS-1
MONTHLY INSPECTION CHECKLIST
STORMWATER DRAINAGE DITCHES
STORMWATER MANAGEMENT SYSTEM
PELHAM BAY LANDFILL, BRONX, NEW YORK
(Reference Volume I, Figures 2-2 and 2-3

October 2018

Item	Item Title	Zone Number													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14
No.	**Drainage Ditch Road A**														
1	Overgrown Vegetation (1)	OK	OK	OK	OK	OK	OK	OK	OK						
2	Standing Water	OK	OK	OK	OK	OK	OK	OK	OK						
3	Sediments and Debris	OK	OK	OK	OK	OK	OK	OK	OK						
4	Erosion/Washouts	OK	OK	OK	OK	OK	OK	OK	OK						
5	Sinkholes	OK	OK	OK	OK	OK	OK	OK	OK						
6	Culvert Road A to Road B								OK						
7	Flapgate at 6" pipe Outlet														
	Drainage Ditch, Road B														
1	Overgrown Vegetation	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
2	Standing Water	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
3	Sediments and Debris	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
4	Erosion/Washouts	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
5	Sinkholes	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
6	Culvert Road B - Road B[2]								OK						
	Drainage Ditch, Road B[2]														
1	Overgrown Vegetation	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
2	Standing Water	OK	OK	OK	OK	OK	OK	OK	OK	OK	(3)	OK	OK		
3	Sediments and Debris	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
4	Erosion/Washouts	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
5	Sinkholes	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
6	Culvert Road B[2] - Road C								OK						
	Drainage Ditch, Road C														
1	Overgrown Vegetation	OK								OK	OK	OK	OK	OK	OK
2	Standing Water	OK								OK	OK	OK	OK	OK	OK
3	Sediments and Debris	OK								OK	OK	OK	OK	OK	OK
4	Erosion/Washouts	OK								OK	OK	OK	OK	OK	OK
5	Sinkholes	OK								OK	OK	OK	OK	OK	OK
	Drainage Ditch, LF Top														
1	Overgrown Vegetation													OK	OK
2	Standing Water													OK	OK
3	Sediments and Debris													OK	OK
4	Erosion/Washouts													OK	OK
5	Sinkholes													OK	OK
	Curtain Drain														
1	Standing Water	OK													
2	Erosion/Washouts	OK													
	Parking lot														
1	Standing Water	OK													
2	Erosion/Washouts	OK													
	Shore rd.														
1	Standing Water	OK													
2	Erosion/Washouts	OK													

- Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.
- Use "NS" (Not Satisfactory) where problems are noted.
- For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary

FOOTNOTES (NS)

(1) The Stormwater Management System is operating as intended.

(2) Vegetative root matting
(3) Grading – low point

Date: **10/16/18** Initials: AMD

Signature: _____

FORM SMS-2
MONTHLY INSPECTION CHECKLIST
STORMWATER DRAINAGE DITCHES
STORMWATER MANAGEMENT SYSTEM
PELHAM BAY LANDFILL, BRONX, NEW YORK

(Reference Volume I, Figures 2-2 and 2-3)

October 2018

Stormwater Collection Manholes (SP Series)												
Item No.	Item Title	Manhole Number										
		SP1	SP2	SP3	SP4	SP5	SP6	SP7	SP8	SP9	SP10	SP11
1	Trashracks	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
2	Silt Accumulation	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
3	Pipe Connections to Manhole	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
4	Flow From 8" HDPE Inlets	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
5	Debris/Silt Blockage in 24" Pipe	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
6	Settlement Along 24" Pipe	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
7	Settlement Around Manhole	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
8	Baffles Inside Manhole	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK

Pond Collection Manholes (CP Series)						
Item No.	Item Title	Manhole Number				
		CP1	CP2	CP3	CP4	CP5
1	Grates	OK	OK	OK	OK	OK
2	Silt Accumulation	OK	OK	OK	OK	OK
3	Flow Through Manhole	OK	OK	OK	OK	OK
4	Settlement Above 30" Pipe	OK	OK	OK	OK	OK

Baffled Outlets (BO Series)					
Item No.	Item Title	Manhole Number			
		BO1	BO2	BO3	BO4
1	Silt Accumulation	OK	OK	OK	OK
2	Connection to 24" Pipe	OK	OK	OK	OK
3	Erosion Around Structure	OK	OK	OK	OK
4	Spalling, Cracking, etc.	OK	OK	OK	OK
5	Weep Holes	OK	OK	OK	OK
6	Guard Rails	OK	OK	OK	OK

Notes:

1. Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.
2. Use "NS" (Not Satisfactory) where problems are noted.
3. For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary

Date: **10/18/18** Initials: AMD Signature: 

FORM SMS-3
MONTHLY INSPECTION CHECKLIST
SEDIMENTATION PONDS
STORMWATER MANAGEMENT SYSTEM
PELHAM BAY LANDFILL, BRONX, NEW YORK

(Reference Volume I, Figure 2-3)

October 2018

Sedimentation Pond A		
Pond		
1	Minimum 2 ft. Freeboard	OK
2	Silt Accumulation	OK
3	Slope Erosion/Stability	OK
4	Debris (dead vegetation)	OK
	Outlet Structure	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
Sedimentation Pond B		
	Pond	
1	Minimum 2 ft. Freeboard	OK
2	Silt Accumulation	OK
3	Slope Erosion/Stability	OK
4	Debris (dead vegetation)	OK
	Inlet Structure	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
	Outlet Structure	
1	Debris/Silt Blockage (overgrown vegetation)	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK

Sedimentation Pond C		
Pond		
1	Minimum 2 ft. Freeboard	OK
2	Silt Accumulation	OK
3	Slope Erosion/Stability	OK
4	Debris	OK
5	Riprap	OK
	Inlet Structure	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
5	Riprap	OK
	RCP Inlet Section	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
5	Weepholes	OK
6	Trashrack	OK
7	RC Pipe	OK
	RCP Outlet Section	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
5	Trashrack	OK
6	Flapgate	OK
7	Spillway Riprap	OK

Notes:

1. Use "NS" (Not Satisfactory) where problems are noted.
2. For boxes checked NS, on Form DP-1, note a description of deficiency/problem.
3. "NC" applies to areas that were inaccessible for inspection. In this form it denotes areas with overgrown and/or excessive dead vegetation.

Date: 10/29/18 Initials: AMD Signature: 

FORM SMS-1
MONTHLY INSPECTION CHECKLIST
STORMWATER DRAINAGE DITCHES
STORMWATER MANAGEMENT SYSTEM
PELHAM BAY LANDFILL, BRONX, NEW YORK
(Reference Volume I, Figures 2-2 and 2-3
November 2018

Item	Item Title	Zone Number													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14
No.	**Drainage Ditch Road A**														
1	Overgrown Vegetation (1)	OK	OK	OK	OK	OK	OK	OK	OK						
2	Standing Water	OK	OK	OK	OK	OK	OK	OK	OK						
3	Sediments and Debris	OK	OK	OK	OK	OK	OK	OK	OK						
4	Erosion/Washouts	OK	OK	OK	OK	OK	OK	OK	OK						
5	Sinkholes	OK	OK	OK	OK	OK	OK	OK	OK						
6	Culvert Road A to Road B								OK						
7	Flapgate at 6" pipe Outlet														
	Drainage Ditch, Road B														
1	Overgrown Vegetation	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
2	Standing Water	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
3	Sediments and Debris	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
4	Erosion/Washouts	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
5	Sinkholes	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
6	Culvert Road B - Road B[2]								OK						
	Drainage Ditch, Road B[2]														
1	Overgrown Vegetation	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
2	Standing Water	OK	OK	OK	OK	OK	OK	OK	OK	OK	(3)	OK	OK		
3	Sediments and Debris	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
4	Erosion/Washouts	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
5	Sinkholes	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
6	Culvert Road B[2] - Road C								OK						
	Drainage Ditch, Road C														
1	Overgrown Vegetation	OK								OK	OK	OK	OK	OK	OK
2	Standing Water	OK								OK	OK	OK	OK	OK	OK
3	Sediments and Debris	OK								OK	OK	OK	OK	OK	OK
4	Erosion/Washouts	OK								OK	OK	OK	OK	OK	OK
5	Sinkholes	OK								OK	OK	OK	OK	OK	OK
	Drainage Ditch, LF Top														
1	Overgrown Vegetation													OK	OK
2	Standing Water													OK	OK
3	Sediments and Debris													OK	OK
4	Erosion/Washouts													OK	OK
5	Sinkholes													OK	OK
	Curtain Drain														
1	Standing Water	OK													
2	Erosion/Washouts	OK													
	Parking lot														
1	Standing Water	OK													
2	Erosion/Washouts	OK													
	Shore rd.														
1	Standing Water	OK													
2	Erosion/Washouts	OK													

- Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.
- Use "NS" (Not Satisfactory) where problems are noted.
- For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary

FOOTNOTES (NS)

(1) The Stormwater Management System is operating as intended.

(2) Vegetative root matting
(3) Grading – low point

Date: **11/19/18** Initials: AMD

Signature: _____

FORM SMS-2
MONTHLY INSPECTION CHECKLIST
STORMWATER DRAINAGE DITCHES
STORMWATER MANAGEMENT SYSTEM
PELHAM BAY LANDFILL, BRONX, NEW YORK

(Reference Volume I, Figures 2-2 and 2-3)

November 2018

Stormwater Collection Manholes (SP Series)												
Item No.	Item Title	Manhole Number										
		SP1	SP2	SP3	SP4	SP5	SP6	SP7	SP8	SP9	SP10	SP11
1	Trashracks	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
2	Silt Accumulation	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
3	Pipe Connections to Manhole	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
4	Flow From 8" HDPE Inlets	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
5	Debris/Silt Blockage in 24" Pipe	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
6	Settlement Along 24" Pipe	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
7	Settlement Around Manhole	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
8	Baffles Inside Manhole	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK

Pond Collection Manholes (CP Series)						
Item No.	Item Title	Manhole Number				
		CP1	CP2	CP3	CP4	CP5
1	Grates	OK	OK	OK	OK	OK
2	Silt Accumulation	OK	OK	OK	OK	OK
3	Flow Through Manhole	OK	OK	OK	OK	OK
4	Settlement Above 30" Pipe	OK	OK	OK	OK	OK

Baffled Outlets (BO Series)					
Item No.	Item Title	Manhole Number			
		BO1	BO2	BO3	BO4
1	Silt Accumulation	OK	OK	OK	OK
2	Connection to 24" Pipe	OK	OK	OK	OK
3	Erosion Around Structure	OK	OK	OK	OK
4	Spalling, Cracking, etc.	OK	OK	OK	OK
5	Weep Holes	OK	OK	OK	OK
6	Guard Rails	OK	OK	OK	OK

Notes:

1. Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.
2. Use "NS" (Not Satisfactory) where problems are noted.
3. For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary

Date: **11/26/18** Initials: AMD Signature: 

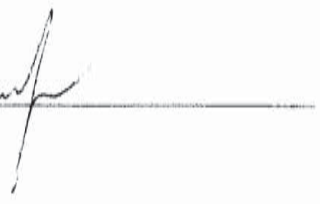
FORM SMS-3
MONTHLY INSPECTION CHECKLIST
SEDIMENTATION PONDS
STORMWATER MANAGEMENT SYSTEM
PELHAM BAY LANDFILL, BRONX, NEW YORK
(Reference Volume I, Figure 2-3)

November 2018

Sedimentation Pond A		
Pond		
1	Minimum 2 ft. Freeboard	OK
2	Silt Accumulation	OK
3	Slope Erosion/Stability	OK
4	Debris (dead vegetation)	OK
	Outlet Structure	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
Sedimentation Pond B		
	Pond	
1	Minimum 2 ft. Freeboard	OK
2	Silt Accumulation	OK
3	Slope Erosion/Stability	OK
4	Debris (dead vegetation)	OK
	Inlet Structure	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
	Outlet Structure	
1	Debris/Silt Blockage (overgrown vegetation)	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK

Sedimentation Pond C		
Pond		
1	Minimum 2 ft. Freeboard	OK
2	Silt Accumulation	OK
3	Slope Erosion/Stability	OK
4	Debris	OK
5	Riprap	OK
	Inlet Structure	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
5	Riprap	OK
	RCP Inlet Section	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
5	Weepholes	OK
6	Trashrack	OK
7	RC Pipe	OK
	RCP Outlet Section	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
5	Trashrack	OK
6	Flapgate	OK
7	Spillway Riprap	OK

Notes:
1. Use "NS" (Not Satisfactory) where problems are noted.
2. For boxes checked NS, on Form DP-1, note a description of deficiency/problem.
3. "NC" applies to areas that were inaccessible for inspection. In this form it denotes areas with overgrown and/or excessive dead vegetation.

Date: 11/29/18 Initials: AMD Signature: 

FORM SMS-1
MONTHLY INSPECTION CHECKLIST
STORMWATER DRAINAGE DITCHES
STORMWATER MANAGEMENT SYSTEM
PELHAM BAY LANDFILL, BRONX, NEW YORK
(Reference Volume I, Figures 2-2 and 2-3

December 2018

Item	Item Title	Zone Number													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14
No.	**Drainage Ditch Road A**														
1	Overgrown Vegetation (1)	OK	OK	OK	OK	OK	OK	OK	OK						
2	Standing Water	OK	OK	OK	OK	OK	OK	OK	OK						
3	Sediments and Debris	OK	OK	OK	OK	OK	OK	OK	OK						
4	Erosion/Washouts	OK	OK	OK	OK	OK	OK	OK	OK						
5	Sinkholes	OK	OK	OK	OK	OK	OK	OK	OK						
6	Culvert Road A to Road B								OK						
7	Flapgate at 6" pipe Outlet														
	Drainage Ditch, Road B														
1	Overgrown Vegetation	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
2	Standing Water	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
3	Sediments and Debris	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
4	Erosion/Washouts	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
5	Sinkholes	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
6	Culvert Road B - Road B[2]								OK						
	Drainage Ditch, Road B[2]														
1	Overgrown Vegetation	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
2	Standing Water	OK	OK	OK	OK	OK	OK	OK	OK	OK	(3)	OK	OK		
3	Sediments and Debris	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
4	Erosion/Washouts	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
5	Sinkholes	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
6	Culvert Road B[2] - Road C								OK						
	Drainage Ditch, Road C														
1	Overgrown Vegetation	OK								OK	OK	OK	OK	OK	OK
2	Standing Water	OK								OK	OK	OK	OK	OK	OK
3	Sediments and Debris	OK								OK	OK	OK	OK	OK	OK
4	Erosion/Washouts	OK								OK	OK	OK	OK	OK	OK
5	Sinkholes	OK								OK	OK	OK	OK	OK	OK
	Drainage Ditch, LF Top														
1	Overgrown Vegetation													OK	OK
2	Standing Water													OK	OK
3	Sediments and Debris													OK	OK
4	Erosion/Washouts													OK	OK
5	Sinkholes													OK	OK
	Curtain Drain														
1	Standing Water	OK													
2	Erosion/Washouts	OK													
	Parking lot														
1	Standing Water	OK													
2	Erosion/Washouts	OK													
	Shore rd.														
1	Standing Water	OK													
2	Erosion/Washouts	OK													

- Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.
- Use "NS" (Not Satisfactory) where problems are noted.
- For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary

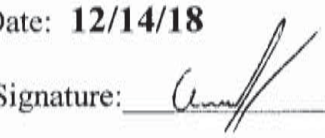
FOOTNOTES (NS)

(1) The Stormwater Management System is operating as intended.

(2) Vegetative root matting

(3) Grading – low point

Date: **12/14/18** Initials: AMD

Signature: 

FORM SMS-2
MONTHLY INSPECTION CHECKLIST
STORMWATER DRAINAGE DITCHES
STORMWATER MANAGEMENT SYSTEM
PELHAM BAY LANDFILL, BRONX, NEW YORK
(Reference Volume I, Figures 2-2 and 2-3)

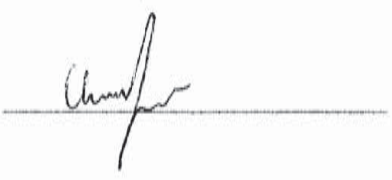
December 2018

Stormwater Collection Manholes (SP Series)												
Item No.	Item Title	Manhole Number										
		SP1	SP2	SP3	SP4	SP5	SP6	SP7	SP8	SP9	SP10	SP11
1	Trashracks	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
2	Silt Accumulation	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
3	Pipe Connections to Manhole	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
4	Flow From 8" HDPE Inlets	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
5	Debris/Silt Blockage in 24" Pipe	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
6	Settlement Along 24" Pipe	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
7	Settlement Around Manhole	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
8	Baffles Inside Manhole	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK

Pond Collection Manholes (CP Series)						
Item No.	Item Title	Manhole Number				
		CP1	CP2	CP3	CP4	CP5
1	Grates	OK	OK	OK	OK	OK
2	Silt Accumulation	OK	OK	OK	OK	OK
3	Flow Through Manhole	OK	OK	OK	OK	OK
4	Settlement Above 30" Pipe	OK	OK	OK	OK	OK

Baffled Outlets (BO Series)					
Item No.	Item Title	Manhole Number			
		BO1	BO2	BO3	BO4
1	Silt Accumulation	OK	OK	OK	OK
2	Connection to 24" Pipe	OK	OK	OK	OK
3	Erosion Around Structure	OK	OK	OK	OK
4	Spalling, Cracking, etc.	OK	OK	OK	OK
5	Weep Holes	OK	OK	OK	OK
6	Guard Rails	OK	OK	OK	OK

Notes:
1. Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.
2. Use "NS" (Not Satisfactory) where problems are noted.
3. For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary

Date: **12/18/18** Initials: AMD Signature: 

FORM SMS-3
MONTHLY INSPECTION CHECKLIST
SEDIMENTATION PONDS
STORMWATER MANAGEMENT SYSTEM
PELHAM BAY LANDFILL, BRONX, NEW YORK
(Reference Volume I, Figure 2-3)

December 2018

Sedimentation Pond A		
Pond		
1	Minimum 2 ft. Freeboard	OK
2	Silt Accumulation	OK
3	Slope Erosion/Stability	OK
4	Debris (dead vegetation)	OK
	Outlet Structure	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
Sedimentation Pond B		
	Pond	
1	Minimum 2 ft. Freeboard	OK
2	Silt Accumulation	OK
3	Slope Erosion/Stability	OK
4	Debris (dead vegetation)	OK
	Inlet Structure	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
	Outlet Structure	
1	Debris/Silt Blockage (overgrown vegetation)	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK

Sedimentation Pond C		
Pond		
1	Minimum 2 ft. Freeboard	OK
2	Silt Accumulation	OK
3	Slope Erosion/Stability	OK
4	Debris	OK
5	Riprap	OK
	Inlet Structure	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
5	Riprap	OK
	RCP Inlet Section	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
5	Weepholes	OK
6	Trashrack	OK
7	RC Pipe	OK
	RCP Outlet Section	
1	Debris/Silt Blockage	OK
2	Connections to Pipe	OK
3	Erosion Around Structure	OK
4	Spalling, Cracking, etc.	OK
5	Trashrack	OK
6	Flapgate	OK
7	Spillway Riprap	OK

Notes:
1. Use "NS" (Not Satisfactory) where problems are noted.
2. For boxes checked NS, on Form DP-1, note a description of deficiency/problem.
3. "NC" applies to areas that were inaccessible for inspection. In this form it denotes areas with overgrown and/or excessive dead vegetation.

Date: 12/24/18 Initials: AMD Signature: 

H: Landfill Cover and Ancillary Systems Inspections

FORM FCS-1
MONTHLY INSPECTION CHECKLIST
January 2018
FINAL COVER SYSTEM
PELHAM BAY LANDFILL, BRONX, NEW YORK
(Reference Volume III, Figure 2-1)

Item No.	Item Title	ZONE						
		1	2	3	4	5	6	7
1	Surface Cracks	OK	OK	OK	OK	OK	OK	OK
2	Vegetative Growth	OK	OK	OK	OK	OK	OK	OK
3	Vector Penetration	OK	OK	OK	OK	OK	OK	OK
4	Settlement	OK	OK	OK	OK	OK	OK	OK
5	Erosion	OK	OK	OK	OK	OK	OK	OK
6	Slope Stability	OK	OK	OK	OK	OK	OK	OK
7	Seepage	OK	OK	OK	OK	OK	OK	OK
8	Vandalism	OK	OK	OK	OK	OK	OK	OK
9	Vegetation Island	OK	OK	OK	None	None	None	OK

Item No.	Item Title	ZONE						
		8	9	10	11	12	13	14
1	Surface Cracks	OK	OK	OK	OK	OK	OK	OK
2	Vegetative Growth	OK	OK	OK	OK	OK	OK	OK
3	Vector Penetration	OK	OK	OK	OK	OK	OK	OK
4	Settlement	OK	OK	OK	OK	OK	OK	OK
5	Erosion	OK	OK	OK	OK	OK	OK	OK
6	Slope Stability	OK	OK	OK	OK	OK	OK	OK
7	Seepage	OK	OK	OK	OK	OK	OK	OK
8	Vandalism	OK	OK	OK	OK	OK	OK	OK
9	Vegetation Island	None	OK	OK	OK	OK	OK	OK

Notes:
1. Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.
2. Use "NS" (Not Satisfactory) where problems are noted.
3. For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary

Date: 1/3/18 Weather: Sunny.

Inspected by: AMD Signature: 

FORM AS-1
MONTHLY INSPECTION CHECKLIST
January 2018
ACILLARY SYSTEMS
PELHAM BAY LANDFILL, BRONX, NEW YORK
(Reference Volume I, Section 2.2 and Volume III, Section 6)

		Check Box	If N/S or NI, description and location
IRM Roadway			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Road A			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Road B			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Road B[2]			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Road C			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Perimeter Fence, Gates, Locks		NS	Previously reported storm damage on south and east perimeter. Exposed post footings and disconnected sections.
Seawall Condition		NS	Previously reported storm damage. Some sections have collapsed. Erosion above the wall on south and east perimeter.

Notes:
1. Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.
2. Use "NS" (Not Satisfactory) where problems are noted.
3. For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary

Date: 1/5/2018
Initials: AMD

Signature: _____

FORM DP-1
DESCRIPTION OF DEFICIENCEIES AND PROBLEMS
PELHAM BAY LANDFILL, BRONX, NY

Month: January 2018

FORM NO.	LOCATION	DESCRIPTION OF PROBLEM	CORRECTIVE ACTION
AS-1	Sea wall	Previously reported storm damage. Some sections have collapsed. Erosion above the wall on south and east perimeter.	Reported to PARKS.
AS-1	Perimeter fence	Previously reported storm damage on south and east perimeter. Exposed post footings and disconnected sections.	Reported to PARKS.
AS-1	All roadways	Need more stone.	Reported to PARKS

DATE: 1/5/2018

INSPECTED BY: AMD

WEATHER: Sunny.

SIGNATURE: 

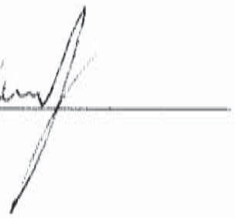
FORM FCS-1
MONTHLY INSPECTION CHECKLIST
February 2018
FINAL COVER SYSTEM
PELHAM BAY LANDFILL, BRONX, NEW YORK
(Reference Volume III, Figure 2-1)

Item No.	Item Title	ZONE						
		1	2	3	4	5	6	7
1	Surface Cracks	OK	OK	OK	OK	OK	OK	OK
2	Vegetative Growth	OK	OK	OK	OK	OK	OK	OK
3	Vector Penetration	OK	OK	OK	OK	OK	OK	OK
4	Settlement	OK	OK	OK	OK	OK	OK	OK
5	Erosion	OK	OK	OK	OK	OK	OK	OK
6	Slope Stability	OK	OK	OK	OK	OK	OK	OK
7	Seepage	OK	OK	OK	OK	OK	OK	OK
8	Vandalism	OK	OK	OK	OK	OK	OK	OK
9	Vegetation Island	OK	OK	OK	None	None	None	OK

Item No.	Item Title	ZONE						
		8	9	10	11	12	13	14
1	Surface Cracks	OK	OK	OK	OK	OK	OK	OK
2	Vegetative Growth	OK	OK	OK	OK	OK	OK	OK
3	Vector Penetration	OK	OK	OK	OK	OK	OK	OK
4	Settlement	OK	OK	OK	OK	OK	OK	OK
5	Erosion	OK	OK	OK	OK	OK	OK	OK
6	Slope Stability	OK	OK	OK	OK	OK	OK	OK
7	Seepage	OK	OK	OK	OK	OK	OK	OK
8	Vandalism	OK	OK	OK	OK	OK	OK	OK
9	Vegetation Island	None	OK	OK	OK	OK	OK	OK

Notes:
1. Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.
2. Use "NS" (Not Satisfactory) where problems are noted.
3. For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary

Date: **2/9/18** Weather: Cloudy.

Inspected by: AMD Signature: 

FORM AS-1
MONTHLY INSPECTION CHECKLIST
February 2018
ACILLARY SYSTEMS
PELHAM BAY LANDFILL, BRONX, NEW YORK
(Reference Volume I, Section 2.2 and Volume III, Section 6)

		Check Box	If N/S or NI, description and location
IRM Roadway			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Road A			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Road B			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Road B[2]			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Road C			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Perimeter Fence, Gates, Locks		NS	Previously reported storm damage on south and east perimeter. Exposed post footings and disconnected sections.
Seawall Condition		NS	Previously reported storm damage. Some sections have collapsed. Erosion above the wall on south and east perimeter.

Notes:
1. Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.
2. Use "NS" (Not Satisfactory) where problems are noted.
3. For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary

Date: 2/8/2018
Initials: AMD

Signature: _____

FORM DP-1
DESCRIPTION OF DEFICIENCEIES AND PROBLEMS
PELHAM BAY LANDFILL, BRONX, NY

Month: February 2018

FORM NO.	LOCATION	DESCRIPTION OF PROBLEM	CORRECTIVE ACTION
AS-1	Sea wall	Previously reported storm damage. Some sections have collapsed. Erosion above the wall on south and east perimeter.	Reported to PARKS.
AS-1	Perimeter fence	Previously reported storm damage on south and east perimeter. Exposed post footings and disconnected sections.	Reported to PARKS.
AS-1	All roadways	Need more stone.	Reported to PARKS

DATE: 2/8/2018

INSPECTED BY: AMD

WEATHER: Cloudy.

SIGNATURE: _____

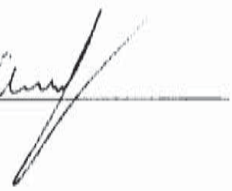
FORM FCS-1
MONTHLY INSPECTION CHECKLIST
March 2018
FINAL COVER SYSTEM
PELHAM BAY LANDFILL, BRONX, NEW YORK
(Reference Volume III, Figure 2-1)

Item No.	Item Title	ZONE						
		1	2	3	4	5	6	7
1	Surface Cracks	OK	OK	OK	OK	OK	OK	OK
2	Vegetative Growth	OK	OK	OK	OK	OK	OK	OK
3	Vector Penetration	OK	OK	OK	OK	OK	OK	OK
4	Settlement	OK	OK	OK	OK	OK	OK	OK
5	Erosion	OK	OK	OK	OK	OK	OK	OK
6	Slope Stability	OK	OK	OK	OK	OK	OK	OK
7	Seepage	OK	OK	OK	OK	OK	OK	OK
8	Vandalism	OK	OK	OK	OK	OK	OK	OK
9	Vegetation Island	OK	OK	OK	None	None	None	OK

Item No.	Item Title	ZONE						
		8	9	10	11	12	13	14
1	Surface Cracks	OK	OK	OK	OK	OK	OK	OK
2	Vegetative Growth	OK	OK	OK	OK	OK	OK	OK
3	Vector Penetration	OK	OK	OK	OK	OK	OK	OK
4	Settlement	OK	OK	OK	OK	OK	OK	OK
5	Erosion	OK	OK	OK	OK	OK	OK	OK
6	Slope Stability	OK	OK	OK	OK	OK	OK	OK
7	Seepage	OK	OK	OK	OK	OK	OK	OK
8	Vandalism	OK	OK	OK	OK	OK	OK	OK
9	Vegetation Island	None	OK	OK	OK	OK	OK	OK

Notes:
1. Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.
2. Use "NS" (Not Satisfactory) where problems are noted.
3. For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary

Date: **3/7/18** Weather: Cloudy.

Inspected by: AMD Signature: 

FORM AS-1
MONTHLY INSPECTION CHECKLIST
March 2018
ACILLARY SYSTEMS
PELHAM BAY LANDFILL, BRONX, NEW YORK
(Reference Volume I, Section 2.2 and Volume III, Section 6)

		Check Box	If N/S or NI, description and location
IRM Roadway			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Road A			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Road B			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Road B[2]			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Road C			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Perimeter Fence, Gates, Locks		NS	Previously reported storm damage on south and east perimeter. Exposed post footings and disconnected sections.
Seawall Condition		NS	Previously reported storm damage. Some sections have collapsed. Erosion above the wall on south and east perimeter.

Notes:
1. Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.
2. Use "NS" (Not Satisfactory) where problems are noted.
3. For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary

Date: 3/9/2018
Initials: AMD

Signature: _____

FORM DP-1
DESCRIPTION OF DEFICIENCEIES AND PROBLEMS
PELHAM BAY LANDFILL, BRONX, NY

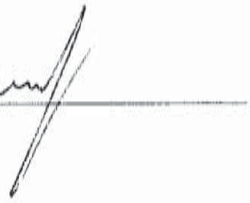
Month: March 2018

FORM NO.	LOCATION	DESCRIPTION OF PROBLEM	CORRECTIVE ACTION
AS-1	Sea wall	Previously reported storm damage. Some sections have collapsed. Erosion above the wall on south and east perimeter.	Reported to PARKS.
AS-1	Perimeter fence	Previously reported storm damage on south and east perimeter. Exposed post footings and disconnected sections.	Reported to PARKS.
AS-1	All roadways	Need more stone.	Reported to PARKS

DATE: 3/9/2018

INSPECTED BY: AMD

WEATHER: Cloudy.

SIGNATURE: 

Post Storm Report FORM FCS-1
MONTHLY INSPECTION CHECKLIST
April 2018
FINAL COVER SYSTEM
PELHAM BAY LANDFILL, BRONX, NEW YORK
(Reference Volume III, Figure 2-1)

Item No.	Item Title	ZONE						
		1	2	3	4	5	6	7
1	Surface Cracks	OK	OK	OK	OK	OK	OK	OK
2	Vegetative Growth	OK	OK	OK	OK	OK	OK	OK
3	Vector Penetration	OK	OK	OK	OK	OK	OK	OK
4	Settlement	OK	OK	OK	OK	OK	OK	OK
5	Erosion	OK	OK	OK	OK	OK	OK	OK
6	Slope Stability	OK	OK	OK	OK	OK	OK	OK
7	Seepage	OK	OK	OK	OK	OK	OK	OK
8	Vandalism	OK	OK	OK	OK	OK	OK	OK
9	Vegetation Island	OK	NS	NS	None	None	None	OK

Item No.	Item Title	ZONE						
		8	9	10	11	12	13	14
1	Surface Cracks	OK	OK	OK	OK	OK	OK	OK
2	Vegetative Growth	OK	OK	OK	OK	OK	OK	OK
3	Vector Penetration	OK	OK	OK	OK	OK	OK	OK
4	Settlement	OK	OK	OK	OK	OK	OK	OK
5	Erosion	OK	OK	OK	OK	OK	OK	OK
6	Slope Stability	OK	OK	OK	OK	OK	OK	OK
7	Seepage	OK	OK	OK	OK	OK	OK	OK
8	Vandalism	OK	OK	OK	OK	OK	OK	OK
9	Vegetation Island	None	OK	OK	OK	OK	OK	OK

Notes:
1. Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.
2. Use "NS" (Not Satisfactory) where problems are noted.
3. For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary

Date: **4/17/18** Weather: Cloudy.

Inspected by: AMD Signature: 

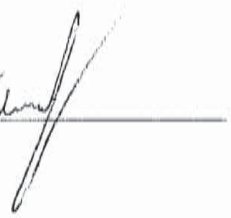
FORM FCS-1
MONTHLY INSPECTION CHECKLIST
April 2018
FINAL COVER SYSTEM
PELHAM BAY LANDFILL, BRONX, NEW YORK
(Reference Volume III, Figure 2-1)

Item No.	Item Title	ZONE						
		1	2	3	4	5	6	7
1	Surface Cracks	OK	OK	OK	OK	OK	OK	OK
2	Vegetative Growth	OK	OK	OK	OK	OK	OK	OK
3	Vector Penetration	OK	OK	OK	OK	OK	OK	OK
4	Settlement	OK	OK	OK	OK	OK	OK	OK
5	Erosion	OK	OK	OK	OK	OK	OK	OK
6	Slope Stability	OK	OK	OK	OK	OK	OK	OK
7	Seepage	OK	OK	OK	OK	OK	OK	OK
8	Vandalism	OK	OK	OK	OK	OK	OK	OK
9	Vegetation Island	OK	OK	OK	None	None	None	OK

Item No.	Item Title	ZONE						
		8	9	10	11	12	13	14
1	Surface Cracks	OK	OK	OK	OK	OK	OK	OK
2	Vegetative Growth	OK	OK	OK	OK	OK	OK	OK
3	Vector Penetration	OK	OK	OK	OK	OK	OK	OK
4	Settlement	OK	OK	OK	OK	OK	OK	OK
5	Erosion	OK	OK	OK	OK	OK	OK	OK
6	Slope Stability	OK	OK	OK	OK	OK	OK	OK
7	Seepage	OK	OK	OK	OK	OK	OK	OK
8	Vandalism	OK	OK	OK	OK	OK	OK	OK
9	Vegetation Island	None	OK	OK	OK	OK	OK	OK

Notes:
1. Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.
2. Use "NS" (Not Satisfactory) where problems are noted.
3. For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary

Date: **4/12/18** Weather: Cloudy.

Inspected by: AMD Signature: 

FORM AS-1
MONTHLY INSPECTION CHECKLIST
April 2018
ACILLARY SYSTEMS
PELHAM BAY LANDFILL, BRONX, NEW YORK
(Reference Volume I, Section 2.2 and Volume III, Section 6)

		Check Box	If N/S or NI, description and location
IRM Roadway			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Road A			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Road B			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Road B[2]			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Road C			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Perimeter Fence, Gates, Locks		NS	Previously reported storm damage on south and east perimeter. Exposed post footings and disconnected sections.
Seawall Condition		NS	Previously reported storm damage. Some sections have collapsed. Erosion above the wall on south and east perimeter.

Notes:
1. Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.
2. Use "NS" (Not Satisfactory) where problems are noted.
3. For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary

Date: 4/4/2018
Initials: AMD

Signature: _____

FORM DP-1
DESCRIPTION OF DEFICIENCEIES AND PROBLEMS
PELHAM BAY LANDFILL, BRONX, NY

Month: April 2018

FORM NO.	LOCATION	DESCRIPTION OF PROBLEM	CORRECTIVE ACTION
AS-1	Sea wall	Previously reported storm damage. Some sections have collapsed. Erosion above the wall on south and east perimeter.	Reported to PARKS.
AS-1	Perimeter fence	Previously reported storm damage on south and east perimeter. Exposed post footings and disconnected sections.	Reported to PARKS.
AS-1	All roadways	Need more stone.	Reported to PARKS
AS-1	Tree island above well 14.	Two evergreen trees blown over.	Reported to PARKS.

DATE: 4/4/2018

INSPECTED BY: AMD

WEATHER: Cloudy.

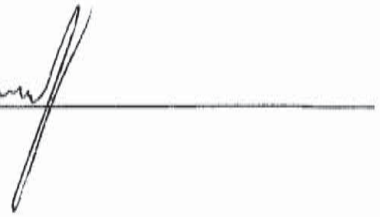
SIGNATURE: 

Post Storm Report FORM AS-1
MONTHLY INSPECTION CHECKLIST
April 2018
ACILLARY SYSTEMS
PELHAM BAY LANDFILL, BRONX, NEW YORK
(Reference Volume I, Section 2.2 and Volume III, Section 6)

		Check Box	If N/S or NI, description and location
IRM Roadway			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Road A			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Road B			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Road B[2]			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Road C			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Perimeter Fence, Gates, Locks		NS	Previously reported storm damage on south and east perimeter. Exposed post footings and disconnected sections.
Seawall Condition		NS	Previously reported storm damage. Some sections have collapsed. Erosion above the wall on south and east perimeter.

Notes:
1. Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.
2. Use "NS" (Not Satisfactory) where problems are noted.
3. For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary

Date: 4/17/2018
Initials: AMD

Signature: 

Post Storm Report FORM DP-1
DESCRIPTION OF DEFICIENCEIES AND PROBLEMS
PELHAM BAY LANDFILL, BRONX, NY

Month: April 2018

FORM NO.	LOCATION	DESCRIPTION OF PROBLEM	CORRECTIVE ACTION
AS-1	Sea wall	Previously reported storm damage. Some sections have collapsed. Erosion above the wall on south and east perimeter.	Reported to PARKS.
AS-1	Perimeter fence	Previously reported storm damage on south and east perimeter. Exposed post footings and disconnected sections.	Reported to PARKS.
AS-1	All roadways	Need more stone.	Reported to PARKS
AS-1	Tree island above well 14.	Two evergreen trees blown over.	Reported to PARKS.

DATE: 4/17/2018

INSPECTED BY: AMD

WEATHER: Cloudy.

SIGNATURE: 

FORM FCS-1
MONTHLY INSPECTION CHECKLIST
May 2018
FINAL COVER SYSTEM
PELHAM BAY LANDFILL, BRONX, NEW YORK
(Reference Volume III, Figure 2-1)

Item No.	Item Title	ZONE						
		1	2	3	4	5	6	7
1	Surface Cracks	OK	OK	OK	OK	OK	OK	OK
2	Vegetative Growth	OK	OK	OK	OK	OK	OK	OK
3	Vector Penetration	OK	OK	OK	OK	OK	OK	OK
4	Settlement	OK	OK	OK	OK	OK	OK	OK
5	Erosion	OK	OK	OK	OK	OK	OK	OK
6	Slope Stability	OK	OK	OK	OK	OK	OK	OK
7	Seepage	OK	OK	OK	OK	OK	OK	OK
8	Vandalism	OK	OK	OK	OK	OK	OK	OK
9	Vegetation Island	OK	NS	NS	None	None	None	OK

Item No.	Item Title	ZONE						
		8	9	10	11	12	13	14
1	Surface Cracks	OK	OK	OK	OK	OK	OK	OK
2	Vegetative Growth	OK	OK	OK	OK	OK	OK	OK
3	Vector Penetration	OK	OK	OK	OK	OK	OK	OK
4	Settlement	OK	OK	OK	OK	OK	OK	OK
5	Erosion	OK	OK	OK	OK	OK	OK	OK
6	Slope Stability	OK	OK	OK	OK	OK	OK	OK
7	Seepage	OK	OK	OK	OK	OK	OK	OK
8	Vandalism	OK	OK	OK	OK	OK	OK	OK
9	Vegetation Island	None	OK	OK	OK	OK	OK	OK

Notes:
1. Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.
2. Use "NS" (Not Satisfactory) where problems are noted.
3. For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary

Date: 5/3/18 Weather: Cloudy.

Inspected by: AMD Signature: 

FORM AS-1
MONTHLY INSPECTION CHECKLIST
May 2018
ACILLARY SYSTEMS
PELHAM BAY LANDFILL, BRONX, NEW YORK
(Reference Volume I, Section 2.2 and Volume III, Section 6)

		Check Box	If N/S or NI, description and location
IRM Roadway			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Road A			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Road B			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Road B[2]			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Road C			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Perimeter Fence, Gates, Locks		NS	Previously reported storm damage on south and east perimeter. Exposed post footings and disconnected sections.
Seawall Condition		NS	Previously reported storm damage. Some sections have collapsed. Erosion above the wall on south and east perimeter.

Notes:
1. Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.
2. Use "NS" (Not Satisfactory) where problems are noted.
3. For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary

Date: 5/2/2018
Initials: AMD

Signature: _____

FORM DP-1
DESCRIPTION OF DEFICIENCEIES AND PROBLEMS
PELHAM BAY LANDFILL, BRONX, NY

Month: <u>May 2018</u>

FORM NO.	LOCATION	DESCRIPTION OF PROBLEM	CORRECTIVE ACTION
AS-1	Sea wall	Previously reported storm damage. Some sections have collapsed. Erosion above the wall on south and east perimeter.	Reported to PARKS.
AS-1	Perimeter fence	Previously reported storm damage on south and east perimeter. Exposed post footings and disconnected sections.	Reported to PARKS.
AS-1	All roadways	Need more stone.	Reported to PARKS
AS-1	Tree island above well 14.	Two evergreen trees blown over.	Reported to PARKS.

DATE: 5/2/2018

INSPECTED BY: AMD

WEATHER: Sunny.

SIGNATURE: _____

FORM FCS-1
MONTHLY INSPECTION CHECKLIST
June 2018
FINAL COVER SYSTEM
PELHAM BAY LANDFILL, BRONX, NEW YORK
(Reference Volume III, Figure 2-1)

Item No.	Item Title	ZONE						
		1	2	3	4	5	6	7
1	Surface Cracks	OK	OK	OK	OK	OK	OK	OK
2	Vegetative Growth	OK	OK	OK	OK	OK	OK	OK
3	Vector Penetration	OK	OK	OK	OK	OK	OK	OK
4	Settlement	OK	OK	OK	OK	OK	OK	OK
5	Erosion	OK	OK	OK	OK	OK	OK	OK
6	Slope Stability	OK	OK	OK	OK	OK	OK	OK
7	Seepage	OK	OK	OK	OK	OK	OK	OK
8	Vandalism	OK	OK	OK	OK	OK	OK	OK
9	Vegetation Island	OK	NS	NS	None	None	None	OK

Item No.	Item Title	ZONE						
		8	9	10	11	12	13	14
1	Surface Cracks	OK	OK	OK	OK	OK	OK	OK
2	Vegetative Growth	OK	OK	OK	OK	OK	OK	OK
3	Vector Penetration	OK	OK	OK	OK	OK	OK	OK
4	Settlement	OK	OK	OK	OK	OK	OK	OK
5	Erosion	OK	OK	OK	OK	OK	OK	OK
6	Slope Stability	OK	OK	OK	OK	OK	OK	OK
7	Seepage	OK	OK	OK	OK	OK	OK	OK
8	Vandalism	OK	OK	OK	OK	OK	OK	OK
9	Vegetation Island	None	OK	OK	OK	OK	OK	OK

Notes:
1. Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.
2. Use "NS" (Not Satisfactory) where problems are noted.
3. For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary

Date: **6/6/18** Weather: Cloudy.

Inspected by: AMD Signature: 

FORM AS-1
MONTHLY INSPECTION CHECKLIST
June 2018
ACILLARY SYSTEMS
PELHAM BAY LANDFILL, BRONX, NEW YORK
(Reference Volume I, Section 2.2 and Volume III, Section 6)

		Check Box	If N/S or NI, description and location
IRM Roadway			
1	Rutting	OK	Note: Roads throughout the site continue to have rutting
2	Depressions/Settlement	OK	and lack of stone.
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Road A			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Road B			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Road B[2]			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Road C			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Perimeter Fence, Gates, Locks		NS	Previously reported storm damage on south and east perimeter. Exposed post footings and disconnected sections.
Seawall Condition		NS	Previously reported storm damage. Some sections have collapsed. Erosion above the wall on south and east perimeter.

Notes:
1. Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.
2. Use "NS" (Not Satisfactory) where problems are noted.
3. For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary

Date: 6/4/2018
Initials: AMD

Signature: 

FORM DP-1
DESCRIPTION OF DEFICIENCEIES AND PROBLEMS
PELHAM BAY LANDFILL, BRONX, NY

Month: June 2018

FORM NO.	LOCATION	DESCRIPTION OF PROBLEM	CORRECTIVE ACTION
AS-1	Sea wall	Previously reported storm damage. Some sections have collapsed. Erosion above the wall on south and east perimeter.	Reported to PARKS.
AS-1	Perimeter fence	Previously reported storm damage on south and east perimeter. Exposed post footings and disconnected sections.	Reported to PARKS.
AS-1	All roadways	Need more stone.	Reported to PARKS
AS-1	Tree island above well 14.	Two evergreen trees blown over.	Reported to PARKS.

DATE: 6/4/2018

INSPECTED BY: AMD

WEATHER: Cloudy.

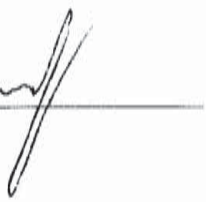
SIGNATURE: 

FORM FCS-1
MONTHLY INSPECTION CHECKLIST
July 2018
FINAL COVER SYSTEM
PELHAM BAY LANDFILL, BRONX, NEW YORK
(Reference Volume III, Figure 2-1)

Item No.	Item Title	ZONE						
		1	2	3	4	5	6	7
1	Surface Cracks	OK	OK	OK	OK	OK	OK	OK
2	Vegetative Growth	OK	OK	OK	OK	OK	OK	OK
3	Vector Penetration	OK	OK	OK	OK	OK	OK	OK
4	Settlement	OK	OK	OK	OK	OK	OK	OK
5	Erosion	OK	OK	OK	OK	OK	OK	OK
6	Slope Stability	OK	OK	OK	OK	OK	OK	OK
7	Seepage	OK	OK	OK	OK	OK	OK	OK
8	Vandalism	OK	OK	OK	OK	OK	OK	OK
9	Vegetation Island	OK	NS	NS	None	None	None	OK
Item No.	**Item Title**	**ZONE**						
		8	**9**	**10**	**11**	**12**	**13**	**14**
1	Surface Cracks	OK	OK	OK	OK	OK	OK	OK
2	Vegetative Growth	OK	OK	OK	OK	OK	OK	OK
3	Vector Penetration	OK	OK	OK	OK	OK	OK	OK
4	Settlement	OK	OK	OK	OK	OK	OK	OK
5	Erosion	OK	OK	OK	OK	OK	OK	OK
6	Slope Stability	OK	OK	OK	OK	OK	OK	OK
7	Seepage	OK	OK	OK	OK	OK	OK	OK
8	Vandalism	OK	OK	OK	OK	OK	OK	OK
9	Vegetation Island	None	OK	OK	OK	OK	OK	OK

Notes:
1. Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.
2. Use "NS" (Not Satisfactory) where problems are noted.
3. For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary

Date: **7/5/18** Weather: Sunny.

Inspected by: AMD Signature: 

FORM AS-1
MONTHLY INSPECTION CHECKLIST
July 2018
ACILLARY SYSTEMS
PELHAM BAY LANDFILL, BRONX, NEW YORK
(Reference Volume I, Section 2.2 and Volume III, Section 6)

		Check Box	If N/S or NI, description and location
IRM Roadway			
1	Rutting	OK	Note: Roads throughout the site continue to have rutting
2	Depressions/Settlement	OK	and lack of stone.
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Road A			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Road B			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Road B[2]			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Road C			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Perimeter Fence, Gates, Locks		NS	Previously reported storm damage on south and east perimeter. Exposed post footings and disconnected sections.
Seawall Condition		NS	Previously reported storm damage. Some sections have collapsed. Erosion above the wall on south and east perimeter.

Notes:
1. Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.
2. Use "NS" (Not Satisfactory) where problems are noted.
3. For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary

Date: 7/3/2018
Initials: AMD

Signature: 

FORM DP-1
DESCRIPTION OF DEFICIENCEIES AND PROBLEMS
PELHAM BAY LANDFILL, BRONX, NY

Month: July 2018

FORM NO.	LOCATION	DESCRIPTION OF PROBLEM	CORRECTIVE ACTION
AS-1	Sea wall	Previously reported storm damage. Some sections have collapsed. Erosion above the wall on south and east perimeter.	Reported to PARKS.
AS-1	Perimeter fence	Previously reported storm damage on south and east perimeter. Exposed post footings and disconnected sections.	Reported to PARKS.
AS-1	All roadways	Need more stone.	Reported to PARKS
AS-1	Tree island above well 14.	Two evergreen trees blown over.	Reported to PARKS.

DATE: 7/3/2018

INSPECTED BY: AMD

WEATHER: Cloudy.

SIGNATURE: 

FORM FCS-1
MONTHLY INSPECTION CHECKLIST
August 2018
FINAL COVER SYSTEM
PELHAM BAY LANDFILL, BRONX, NEW YORK
(Reference Volume III, Figure 2-1)

Item No.	Item Title	ZONE						
		1	2	3	4	5	6	7
1	Surface Cracks	OK	OK	OK	OK	OK	OK	OK
2	Vegetative Growth	OK	OK	OK	OK	OK	OK	OK
3	Vector Penetration	OK	OK	OK	OK	OK	OK	OK
4	Settlement	OK	OK	OK	OK	OK	OK	OK
5	Erosion	OK	OK	OK	OK	OK	OK	OK
6	Slope Stability	OK	OK	OK	OK	OK	OK	OK
7	Seepage	OK	OK	OK	OK	OK	OK	OK
8	Vandalism	OK	OK	OK	OK	OK	OK	OK
9	Vegetation Island	OK	NS	NS	None	None	None	OK
Item No.	**Item Title**	**ZONE**						
		8	**9**	**10**	**11**	**12**	**13**	**14**
1	Surface Cracks	OK	OK	OK	OK	OK	OK	OK
2	Vegetative Growth	OK	OK	OK	OK	OK	OK	OK
3	Vector Penetration	OK	OK	OK	OK	OK	OK	OK
4	Settlement	OK	OK	OK	OK	OK	OK	OK
5	Erosion	OK	OK	OK	OK	OK	OK	OK
6	Slope Stability	OK	OK	OK	OK	OK	OK	OK
7	Seepage	OK	OK	OK	OK	OK	OK	OK
8	Vandalism	OK	OK	OK	OK	OK	OK	OK
9	Vegetation Island	None	OK	OK	OK	OK	OK	OK

Notes:
1. Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.
2. Use "NS" (Not Satisfactory) where problems are noted.
3. For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary

Date: **8/7/18** Weather: Hazy.

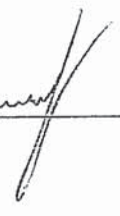
Inspected by: AMD Signature: 

FORM AS-1
MONTHLY INSPECTION CHECKLIST
August 2018
ACILLARY SYSTEMS
PELHAM BAY LANDFILL, BRONX, NEW YORK
(Reference Volume I, Section 2.2 and Volume III, Section 6)

		Check Box	If N/S or NI, description and location
IRM Roadway			
1	Rutting	OK	Note: Roads throughout the site continue to have rutting
2	Depressions/Settlement	OK	and lack of stone.
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Road A			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Road B			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Road B[2]			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Road C			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Perimeter Fence, Gates, Locks		NS	Previously reported storm damage on south and east perimeter. Exposed post footings and disconnected sections.
Seawall Condition		NS	Previously reported storm damage. Some sections have collapsed. Erosion above the wall on south and east perimeter.

Notes:
1. Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.
2. Use "NS" (Not Satisfactory) where problems are noted.
3. For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary

Date: 8/2/2018
Initials: AMD

Signature: 

FORM DP-1
DESCRIPTION OF DEFICIENCEIES AND PROBLEMS
PELHAM BAY LANDFILL, BRONX, NY

Month: August 2018

FORM NO.	LOCATION	DESCRIPTION OF PROBLEM	CORRECTIVE ACTION
AS-1	Sea wall	Previously reported storm damage. Some sections have collapsed. Erosion above the wall on south and east perimeter.	Reported to PARKS.
AS-1	Perimeter fence	Previously reported storm damage on south and east perimeter. Exposed post footings and disconnected sections.	Reported to PARKS.
AS-1	All roadways	Need more stone.	Reported to PARKS
AS-1	Tree island above well 14.	Two evergreen trees blown over.	Reported to PARKS.

DATE: 8/2/2018

INSPECTED BY: AMD

WEATHER: Sunny.

SIGNATURE: 

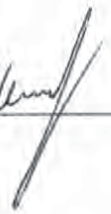
FORM FCS-1
MONTHLY INSPECTION CHECKLIST
September 2018
FINAL COVER SYSTEM
PELHAM BAY LANDFILL, BRONX, NEW YORK
(Reference Volume III, Figure 2-1)

Item No.	Item Title	ZONE						
		1	2	3	4	5	6	7
1	Surface Cracks	OK	OK	OK	OK	OK	OK	OK
2	Vegetative Growth	OK	OK	OK	OK	OK	OK	OK
3	Vector Penetration	OK	OK	OK	OK	OK	OK	OK
4	Settlement	OK	OK	OK	OK	OK	OK	OK
5	Erosion	OK	OK	OK	OK	OK	OK	OK
6	Slope Stability	OK	OK	OK	OK	OK	OK	OK
7	Seepage	OK	OK	OK	OK	OK	OK	OK
8	Vandalism	OK	OK	OK	OK	OK	OK	OK
9	Vegetation Island	OK	NS	NS	None	None	None	OK

Item No.	Item Title	ZONE						
		8	9	10	11	12	13	14
1	Surface Cracks	OK	OK	OK	OK	OK	OK	OK
2	Vegetative Growth	OK	OK	OK	OK	OK	OK	OK
3	Vector Penetration	OK	OK	OK	OK	OK	OK	OK
4	Settlement	OK	OK	OK	OK	OK	OK	OK
5	Erosion	OK	OK	OK	OK	OK	OK	OK
6	Slope Stability	OK	OK	OK	OK	OK	OK	OK
7	Seepage	OK	OK	OK	OK	OK	OK	OK
8	Vandalism	OK	OK	OK	OK	OK	OK	OK
9	Vegetation Island	None	OK	OK	OK	OK	OK	OK

Notes:
1. Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.
2. Use "NS" (Not Satisfactory) where problems are noted.
3. For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary

Date: **9/6/18** Weather: Hazy.

Inspected by: AMD Signature: 

FORM AS-1
MONTHLY INSPECTION CHECKLIST
September 2018
ACILLARY SYSTEMS
PELHAM BAY LANDFILL, BRONX, NEW YORK
(Reference Volume I, Section 2.2 and Volume III, Section 6)

		Check Box	If N/S or NI, description and location
IRM Roadway			
1	Rutting	OK	Note: Roads throughout the site continue to have rutting
2	Depressions/Settlement	OK	and lack of stone.
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Road A			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Road B			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Road B[2]			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Road C			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Perimeter Fence, Gates, Locks		NS	Previously reported storm damage on south and east perimeter. Exposed post footings and disconnected sections.
Seawall Condition		NS	Previously reported storm damage. Some sections have collapsed. Erosion above the wall on south and east perimeter.

Notes:
1. Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.
2. Use "NS" (Not Satisfactory) where problems are noted.
3. For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary

Date: 9/4/2018
Initials: AMD

Signature: _____

FORM DP-1
DESCRIPTION OF DEFICIENCEIES AND PROBLEMS
PELHAM BAY LANDFILL, BRONX, NY

Month: <u>September 2018</u>

FORM NO.	LOCATION	DESCRIPTION OF PROBLEM	CORRECTIVE ACTION
AS-1	Sea wall	Previously reported storm damage. Some sections have collapsed. Erosion above the wall on south and east perimeter.	Reported to PARKS.
AS-1	Perimeter fence	Previously reported storm damage on south and east perimeter. Exposed post footings and disconnected sections.	Reported to PARKS.
AS-1	All roadways	Need more stone.	Reported to PARKS
AS-1	Tree island above well 14.	Two evergreen trees blown over.	Reported to PARKS.

DATE: 9/4/2018

INSPECTED BY: AMD

WEATHER: Hazy.

SIGNATURE: _____

FORM FCS-1
MONTHLY INSPECTION CHECKLIST
October 2018
FINAL COVER SYSTEM
PELHAM BAY LANDFILL, BRONX, NEW YORK
(Reference Volume III, Figure 2-1)

Item No.	Item Title	ZONE						
		1	2	3	4	5	6	7
1	Surface Cracks	OK	OK	OK	OK	OK	OK	OK
2	Vegetative Growth	OK	OK	OK	OK	OK	OK	OK
3	Vector Penetration	OK	OK	OK	OK	OK	OK	OK
4	Settlement	OK	OK	OK	OK	OK	OK	OK
5	Erosion	OK	OK	OK	OK	OK	OK	OK
6	Slope Stability	OK	OK	OK	OK	OK	OK	OK
7	Seepage	OK	OK	OK	OK	OK	OK	OK
8	Vandalism	OK	OK	OK	OK	OK	OK	OK
9	Vegetation Island	OK	NS	NS	None	None	None	OK

Item No.	Item Title	ZONE						
		8	9	10	11	12	13	14
1	Surface Cracks	OK	OK	OK	OK	OK	OK	OK
2	Vegetative Growth	OK	OK	OK	OK	OK	OK	OK
3	Vector Penetration	OK	OK	OK	OK	OK	OK	OK
4	Settlement	OK	OK	OK	OK	OK	OK	OK
5	Erosion	OK	OK	OK	OK	OK	OK	OK
6	Slope Stability	OK	OK	OK	OK	OK	OK	OK
7	Seepage	OK	OK	OK	OK	OK	OK	OK
8	Vandalism	OK	OK	OK	OK	OK	OK	OK
9	Vegetation Island	None	OK	OK	OK	OK	OK	OK

Notes:
1. Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.
2. Use "NS" (Not Satisfactory) where problems are noted.
3. For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary

Date: **10/3/18** Weather: Cloudy.

Inspected by: AMD Signature: 

FORM AS-1
MONTHLY INSPECTION CHECKLIST
October 2018
ACILLARY SYSTEMS
PELHAM BAY LANDFILL, BRONX, NEW YORK
(Reference Volume I, Section 2.2 and Volume III, Section 6)

		Check Box	If N/S or NI, description and location
IRM Roadway			
1	Rutting	OK	Note: Roads throughout the site continue to have rutting
2	Depressions/Settlement	OK	and lack of stone.
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Road A			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Road B			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Road B[2]			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Road C			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Perimeter Fence, Gates, Locks		NS	Previously reported storm damage on south and east perimeter. Exposed post footings and disconnected sections.
Seawall Condition		NS	Previously reported storm damage. Some sections have collapsed. Erosion above the wall on south and east perimeter.

Notes:
1. Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.
2. Use "NS" (Not Satisfactory) where problems are noted.
3. For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary

Date: 10/2/2018
Initials: AMD

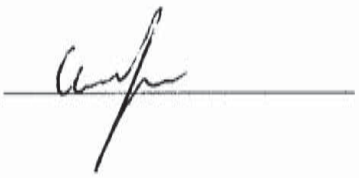
Signature: 

FORM DP-1
DESCRIPTION OF DEFICIENCEIES AND PROBLEMS
PELHAM BAY LANDFILL, BRONX, NY

Month: October 2018

FORM NO.	LOCATION	DESCRIPTION OF PROBLEM	CORRECTIVE ACTION
AS-1	Sea wall	Previously reported storm damage. Some sections have collapsed. Erosion above the wall on south and east perimeter.	Reported to PARKS.
AS-1	Perimeter fence	Previously reported storm damage on south and east perimeter. Exposed post footings and disconnected sections.	Reported to PARKS.
AS-1	All roadways	Need more stone.	Reported to PARKS
AS-1	Tree island above well 14.	Two evergreen trees blown over.	Reported to PARKS.

DATE: 10/2/2018 INSPECTED BY: AMD

WEATHER: Hazy. SIGNATURE: 

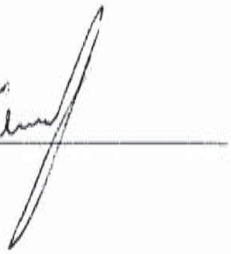
FORM FCS-1
MONTHLY INSPECTION CHECKLIST
November 2018
FINAL COVER SYSTEM
PELHAM BAY LANDFILL, BRONX, NEW YORK
(Reference Volume III, Figure 2-1)

Item No.	Item Title	ZONE						
		1	2	3	4	5	6	7
1	Surface Cracks	OK	OK	OK	OK	OK	OK	OK
2	Vegetative Growth	OK	OK	OK	OK	OK	OK	OK
3	Vector Penetration	OK	OK	OK	OK	OK	OK	OK
4	Settlement	OK	OK	OK	OK	OK	OK	OK
5	Erosion	OK	OK	OK	OK	OK	OK	OK
6	Slope Stability	OK	OK	OK	OK	OK	OK	OK
7	Seepage	OK	OK	OK	OK	OK	OK	OK
8	Vandalism	OK	OK	OK	OK	OK	OK	OK
9	Vegetation Island	OK	NS	NS	None	None	None	OK

Item No.	Item Title	ZONE						
		8	9	10	11	12	13	14
1	Surface Cracks	OK	OK	OK	OK	OK	OK	OK
2	Vegetative Growth	OK	OK	OK	OK	OK	OK	OK
3	Vector Penetration	OK	OK	OK	OK	OK	OK	OK
4	Settlement	OK	OK	OK	OK	OK	OK	OK
5	Erosion	OK	OK	OK	OK	OK	OK	OK
6	Slope Stability	OK	OK	OK	OK	OK	OK	OK
7	Seepage	OK	OK	OK	OK	OK	OK	OK
8	Vandalism	OK	OK	OK	OK	OK	OK	OK
9	Vegetation Island	None	OK	OK	OK	OK	OK	OK

Notes:
1. Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.
2. Use "NS" (Not Satisfactory) where problems are noted.
3. For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary

Date: **11/8/18** Weather: Sunny..

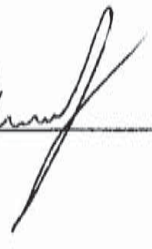
Inspected by: AMD Signature: 

FORM AS-1
MONTHLY INSPECTION CHECKLIST
November 2018
ACILLARY SYSTEMS
PELHAM BAY LANDFILL, BRONX, NEW YORK
(Reference Volume I, Section 2.2 and Volume III, Section 6)

		Check Box	If N/S or NI, description and location
IRM Roadway			
1	Rutting	OK	Note: Roads throughout the site continue to have rutting
2	Depressions/Settlement	OK	and lack of stone.
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Road A			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Road B			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Road B[2]			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Road C			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Perimeter Fence, Gates, Locks		NS	Previously reported storm damage on south and east perimeter. Exposed post footings and disconnected sections.
Seawall Condition		NS	Previously reported storm damage. Some sections have collapsed. Erosion above the wall on south and east perimeter.

Notes:
1. Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.
2. Use "NS" (Not Satisfactory) where problems are noted.
3. For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary

Date: 11/2/2018
Initials: AMD

Signature: 

FORM DP-1
DESCRIPTION OF DEFICIENCEIES AND PROBLEMS
PELHAM BAY LANDFILL, BRONX, NY

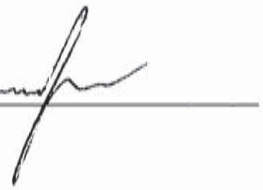
Month: November 2018

FORM NO.	LOCATION	DESCRIPTION OF PROBLEM	CORRECTIVE ACTION
AS-1	Sea wall	Previously reported storm damage. Some sections have collapsed. Erosion above the wall on south and east perimeter.	Reported to PARKS.
AS-1	Perimeter fence	Previously reported storm damage on south and east perimeter. Exposed post footings and disconnected sections.	Reported to PARKS.
AS-1	All roadways	Need more stone.	Reported to PARKS
AS-1	Tree island above well 14.	Two evergreen trees blown over.	Reported to PARKS.

DATE: 11//2/2018

INSPECTED BY: AMD

WEATHER: Cloudy.

SIGNATURE: 

FORM FCS-1
MONTHLY INSPECTION CHECKLIST
December 2018
FINAL COVER SYSTEM
PELHAM BAY LANDFILL, BRONX, NEW YORK
(Reference Volume III, Figure 2-1)

Item No.	Item Title	ZONE						
		1	2	3	4	5	6	7
1	Surface Cracks	OK	OK	OK	OK	OK	OK	OK
2	Vegetative Growth	OK	OK	OK	OK	OK	OK	OK
3	Vector Penetration	OK	OK	OK	OK	OK	OK	OK
4	Settlement	OK	OK	OK	OK	OK	OK	OK
5	Erosion	OK	OK	OK	OK	OK	OK	OK
6	Slope Stability	OK	OK	OK	OK	OK	OK	OK
7	Seepage	OK	OK	OK	OK	OK	OK	OK
8	Vandalism	OK	OK	OK	OK	OK	OK	OK
9	Vegetation Island	OK	NS	NS	None	None	None	OK
Item No.	**Item Title**	**ZONE**						
		8	**9**	**10**	**11**	**12**	**13**	**14**
1	Surface Cracks	OK	OK	OK	OK	OK	OK	OK
2	Vegetative Growth	OK	OK	OK	OK	OK	OK	OK
3	Vector Penetration	OK	OK	OK	OK	OK	OK	OK
4	Settlement	OK	OK	OK	OK	OK	OK	OK
5	Erosion	OK	OK	OK	OK	OK	OK	OK
6	Slope Stability	OK	OK	OK	OK	OK	OK	OK
7	Seepage	OK	OK	OK	OK	OK	OK	OK
8	Vandalism	OK	OK	OK	OK	OK	OK	OK
9	Vegetation Island	None	OK	OK	OK	OK	OK	OK

Notes:
1. Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.
2. Use "NS" (Not Satisfactory) where problems are noted.
3. For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary

Date: **12/5/18** Weather: Sunny.

Inspected by: AMD Signature: 

FORM AS-1
MONTHLY INSPECTION CHECKLIST
December 2018
ACILLARY SYSTEMS
PELHAM BAY LANDFILL, BRONX, NEW YORK
(Reference Volume I, Section 2.2 and Volume III, Section 6)

		Check Box	If N/S or NI, description and location
IRM Roadway			
1	Rutting	OK	Note: Roads throughout the site continue to have rutting
2	Depressions/Settlement	OK	and lack of stone.
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Road A			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Road B			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Road B[2]			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Road C			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	OK	
Perimeter Fence, Gates, Locks		NS	Previously reported storm damage on south and east perimeter. Exposed post footings and disconnected sections.
Seawall Condition		NS	Previously reported storm damage. Some sections have collapsed. Erosion above the wall on south and east perimeter.

Notes:
1. Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.
2. Use "NS" (Not Satisfactory) where problems are noted.
3. For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary

Date: 12/4/2018
Initials: AMD

Signature: 

FORM DP-1
DESCRIPTION OF DEFICIENCEIES AND PROBLEMS
PELHAM BAY LANDFILL, BRONX, NY

Month: December 2018

FORM NO.	LOCATION	DESCRIPTION OF PROBLEM	CORRECTIVE ACTION
AS-1	Sea wall	Previously reported storm damage. Some sections have collapsed. Erosion above the wall on south and east perimeter.	Reported to PARKS.
AS-1	Perimeter fence	Previously reported storm damage on south and east perimeter. Exposed post footings and disconnected sections.	Reported to PARKS.
AS-1	All roadways	Need more stone.	Reported to PARKS
AS-1	Tree island above well 14.	Two evergreen trees blown over.	Reported to PARKS.

DATE: 12/4/2018

INSPECTED BY: AMD

WEATHER: Sunny.

SIGNATURE: 