Severn Trent Environmental Services

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Pelham Bay Landfill
Monthly Report
December 2003

Prepared by:
Severn Trent Environmental Services
January 2004

Section I – General

This monthly report covers the period from December 1, 2003 to December 31, 2003. The report contains information in accordance with Section 2.7 of the Agreement between Severn Trent Environmental Services (STES) and the NYCDEP (Agreement), and Section 5.7, Volume I of the O&M Manual for the project.

Section II– Summary of the Testing Program Results

Gannett Fleming performed the monthly gas extraction monitoring on December 19, 2003. The monitoring was performed using a Landtec gas meter. The results are provided in Appendix A. A majority of the monitoring wells were reported with no oxygen present, however, the flare was not running at the time the monitoring was performed. Refer to Section III, Recommendations for Maintenance and Repair Actions Taken, for a summary of the gas flare existing deficiencies. A summary of the monitoring is as follows:

Well No.	% Oxygen
GMW-1	0.0
GMW-2	0.0
GMW-3	0.3
GMW-4	0.0
GMW-5	0.0
GMW-6	0.5
GMW-7	0.0
GMW-8	0.0
GMW-9	0.0
GMW-10	0.0
GMW-11	0.0
GMW-12	0.0
GMW-13	0.0
GMW-14	0.0
GMW-15	0.0
GMW-16	0.0
GMW-17	0.0
GMW-18	0.0
GMW-19	0.0
GMW-20	0.0
GMW-21	0.1
GMW-22	0.0

At the start of this contract the flexible hoses on three of the wells were in disrepair. The hoses were replaced by STES personnel and are routinely inspected and replaced as necessary. Ideally, the oxygen concentrations in all of the wells should be 0%, however, slight fluctuations in the oxygen concentrations have been recorded in most of the wells during the previous Contract.

The groundwater motoring wells were sampled on December 7, 2003. A copy of the results is included on Appendix C.

Section III – Recommendations for Maintenance and Actions Taken

Deficiencies identified this month and recommended repair actions:

There were no new deficiencies identified in December 2003.

Repair actions performed this month on previous deficiencies:

1. Plumbing work for the float system for the seven pumping stations is completed. Electrical work in process.
2. The installation of the leachate storage tank heat tracing is complete.
3. Heat tracing of the exposed water main lines in the area of the Decon Trailer is complete.

   Detailed discussions of the repair actions performed this month are presented in the following text.

At the start of this contract, STES personnel performed a survey of existing conditions. The detailed results of that survey are documented in the Status Report. Many deficiencies were noted in both the mechanical and non-mechanical components of the landfill system. STES recommends that all deficiencies be corrected. However, as noted in the text that follows, these deficiencies were existing conditions at the commencement of the contract. Repair actions for some deficiencies were included in Section 5.0 of the Contract. These repairs are being performed by STES. Corrective action for deficiencies, which were not included in the Scope of Work, will require NYCDEP approval, prior to repair actions being taken.

The following text contains a description of identified deficiencies and recommended repair actions or repair actions performed during this month. Deficiencies that were discussed and repaired during the previous month will not appear in this report.

Operating System - Landfill Cover System

Deficiency

There are also rusted 55-gallon drums located in the area adjacent to the Containment Sump. The drums have been onsite prior to the start of the previous STES contract. Most are empty, however, some appear to contain waste oil.

Recommended Repair Actions

STES has requested that the NYCDEP classify the 55-gallon drums. Once that is completed, STES can dispose of the non-hazardous, non-flammable drums in the onsite dumpster.

NYCDEP is aware of the abandoned truck trailer, which has been on site prior to the previous STES Contract. At the request of the NYCDEP, STES gained access to the inside of the trailer. The contents were landfill liner welding equipment, old grass seed and some miscellaneous tools. STES was not able to locate any identifying tags or plates on the trailer. NYCDEP will make the necessary arrangements for the removal of the trailer.

Operating System - Stormwater Management System

Stormwater Drainage Ditches

Deficiency

Varying degrees of silt, debris and vegetation are present in certain sections of the drainage swales. It appears that the swales are performing to design intent, which is to convey overland flow on the landfill cover to the SP manholes and baffles outlets. There was no evidence of washout.

Repair Action

Tree removal from the drainage swales will be ongoing as growth develops. Further cleaning of debris in the swales will be directed by the NYCDEP.

Baffled Outlets

Deficiency

BO1 is located on the east side of the landfill. There was approximately a foot of silt within the structure with vegetation present. Silt and rocks had plugged the weepholes. The handrails were intact, however, some of the seams were splitting.

BO2 is located in the southwest corner of the landfill. There was approximately a foot of silt within the structure with vegetation present. Silt and rocks had plugged the weepholes. The handrails were intact, however, some of the seams were splitting.

BO3 is located at Pond A. There was approximately a foot of silt within the structure with vegetation present. Silt and rocks had plugged the weepholes. The handrails were intact, however, some of the seams were splitting.

BO4 is located at Pond C. There was approximately a foot of silt within the structure with vegetation present. Silt and rocks had plugged the weepholes. The handrails were intact, however, some of the seams were splitting.

Repair Action
STES recommends cleaning out all baffled outlets in accordance with the O&M Manual. This will be performed under Section 5.0 of the Contract.

Sedimentation Ponds

Deficiency
Pond A - Silt, dense phragmite growth, and shallow standing water were present at the bottom of the pond. There was no stormwater collected in the pond therefore freeboard could not be measured. The outlet structure was in satisfactory condition.

Pond B - Several feet of flow was present in Pond B, therefore, it was not possible to view the condition of the bottom of the pond for silt or debris sediment. Phragmite growth, however, was not present. Adequate freeboard was available. There is an inlet and an outlet structure located in Pond B. Silt and debris were present in the inlet structure. The outlet structure was in satisfactory condition.

Pond C - Pond C had amounts of silt accumulation, dense phragmite growth, and shallow standing water in the bottom of the pond. There was no stormwater collected in the pond therefore freeboard could not be measured. Silt and debris were present in and around the inlet structure.

The outlet structure consists of a concrete structure with weep holes as the inlet. The outlet to the bay is a 24-inch pipe with a trash rack and flap gate. The structure appeared to be in good condition and did not have any spalling concrete present. Silt accumulation blocked the inlet weepholes. Debris and silt blockage were noted in the 24-inch outlet pipe. The flap gate and trash rack appeared to be in good working order and the riprap on the spillway was intact.

Repair Action
STES recommends cleaning the inlet and outlet structures, which have accumulation of debris. This will be performed under Section 5.0 of the Contract. The ponds, although have an accumulation of silt and phragmite growth, are performing to design intent. STES is not recommending cleaning of the ponds at this time.

Operating System - Groundwater/Leachate Collection System

Sumps and Lift Stations

Deficiency

The control panel for D-1 is propped up on railroad ties and is not supported by a stationary base.

Repair Action
STES recommends the replacement of the unsteady railroad tie base used for the control panel. This work is not included in the Scope of Work and therefore must be authorized by the NYCDEP.

Deficiency
At the start of the Contract the Containment Pad sump pumps were not operational in the automatic mode due to a memory loss to the PLC. The NYCDEP has authorized the replacement of these controls with float controls. Currently the pumps are operated manually.

Repair Action
The plumbing work for the new Containment Sump float system was complete in June 2003. Electrical work is currently being performed.

Deficiency
At the start of the Contract the Decon Sump Pumps were not operational in the automatic mode due to a memory loss to the PLC. The NYCDEP has authorized the replacement of these controls with float controls. Currently the pumps are operated manually.

Repair Action
The plumbing work for the new Decon Sump float system was complete in June 2003. Electrical work is scheduled.

Deficiency
At the start of the Contract the D-8 pumps were not operational in the automatic mode due to a memory loss to the PLC. The NYCDEP has authorized the replacement of these controls with float controls. Currently the pumps are operated manually.

Repair Action
The plumbing work for the new D-8 Sump float system was complete in June 2003. Electrical work is scheduled

Deficiency
At the start of the Contract, the D-10 pumps were controlled by an existing float system. The NYCDEP has authorized the replacement of the existing outdated float control system with the same float controls that are being installed in all pump and lift stations. Currently the pumps are operated in the automatic mode.

Repair Action
The plumbing work for the new D-10 Sump float system was complete in June 2003. Electrical work is scheduled.

Deficiency

At the start of the Contract, Lift Station No. 2 (LS-2) pumps were not operational in the automatic mode due to a memory loss to the PLC. The NYCDEP has authorized the replacement of the control floats. Currently the pumps are operated manually.

Repair Action

The plumbing work for the new LS-2 float system was complete in June 2003. Electrical work is scheduled.

Deficiency

The control panels for the all Sump Pump Stations and Lift Stations are in a state of disrepair. The enclosures for the control panels were sized improperly. In order to view the displays in the panel a steel bar in the middle of the enclosure was removed by previous parties as it hindered opening of the control panel. Also, most of the bolts for the control panel covers have been removed and were placed inside the panel enclosure. This was done by previous parties in order to view the inside of the control panel. This is necessary to view the elapsed time meters.

Recommended Repair Action

STES is not recommending that the enclosure be repaired at this time. Access to the inside of the panel is required to complete the equipment inspections. New enclosures would be extremely costly to purchase and install and are not recommend at this time.

Deficiency

It appears that the integrity of all butterfly valves (BFV) on the leachate storage tank piping on both the truck discharge line and discharge line to D-1 is questionable. The BFVs on the truck fill line were closed, however, the ball valve at the end of the line was leaking. It is assumed that this line was charged and there was pressure on that valve. It was noted that the equalization line to Tank No. 4 was leaking at the connection to the tank. Operators maintain the tank levels below this point to avoid leaks.

Recommended Repair Action

The ball valve must be replaced or the line should be capped. The leak at the equalization line should be repaired. This work is not included in the Scope of Work and therefore must be authorized by the NYCDEP.

Operating System - Landfill Gas System

Deficiency

The NYCDEP is aware of several pre-existing gas flare system deficiencies. These repairs include the following: purchase and installation of a new transformer, blowers and re-piping the gas condensate discharge. In addition, AXD, the flare manufacturer, has recommended that they conduct a site inspection to evaluate the starters prior to the installation of the new transformers.

Additional gas flare system deficiencies have been identified by STES. The pressure and temperature gauges had been removed from the discharge piping. NYCDEP informed STES that the gauges were stolen. NYCDEP had the piping holes patched as a temporary corrective action.

Recommended Repair Action

Change Order No. X-1 was added to the Contract for the purpose of allowing AXD/Link Controls to perform a site visit and inspect the existing operation of the gas flare system. This site visit was performed on June 18, 2003. AXD concluded that the new auto transformer kits, as ordered under Section 5.0 of the Contract Specifications, contain all parts needed for the complete overhaul of the controls. A copy of the field inspection is provided in Attachment A of this report.

The existing gas flare system has a gas condensate discharge line that is piped to discharge into manhole D-2. AXD recommended the installation of a mist eliminator upstream of the gas inlet to the blowers in addition to the existing condensate discharge. The purchase and installation of a mist eliminator is not part of the Contract Specifications. However, the installation of a mist eliminator is required for the warranty to be effective for the new blowers. With this knowledge and in the essence of time, STES ordered a mist eliminator while ordering the Contract specified blowers. Delivery of the two new blowers and mist eliminator occurred on June 25, 2003. The equipment is presently stored in the onsite trailers.

At this time STES has requested a design from the NYCDEP for the installation of the mist eliminator. The design will be incorporated into a Change Order to perform the out-of-scope work for the purchase and installation of the mist eliminator.

Operating System – Ancillary System

Deficiency

There are several openings in the fence along the perimeter of the landfill. Past repairs have been made, however the vandalism continues. The cutouts are mostly made to provide shortcuts along the shoreline for people to fish.

Recommended Repair Action

A NYCDEP subcontractor independent of the STES contract provides the landfill security.

Diligent efforts must be made by the security personnel to deter this type of activity.

Deficiency

There are at least 3 open cut 3-inch PVC pipes protruding vertically above grade in the vicinity of the removed trailer complex. Evidently these pipes were part of the waste discharge system from the trailer complex. The pipes lead to a header which leads to the on site septic tank. The septic tank is accessible by an onsite manhole. At the start of this Contract, the septic tank was overflowing. There is also an upgrade charged water line in the area.

Recommended Repair Action

The septic tank should be pumped out. The abandoned waste lines should be capped off. The water line should be decommissioned. This work is not included in the Scope of Work and therefore must be authorized by the NYCDEP.

Deficiency

The main alarm panel, located in the guard's trailer on the site, does not work.

Recommended Repair Action

This system should be repaired. This work will require authorization from the NYCDEP, as it is an existing condition and not included in the scope of work.

Section IV – Evaluation of Site Operations

Site operations for this period consisted of completing the bi-weekly and monthly inspections. The inspections performed during this period did not uncover any new deficiencies. Please refer to Section III for a discussion of the existing deficiencies. Copies of the inspection checklists for the month of December 2003 are located in Appendix B of this report. A copy of the logbook for December 2003 is included in Appendix C.

Correspondence for the month of December 2003 is included in Attachment A, General Correspondence.

Appendix A – Summary of Laboratory Analysis

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PRELIMINARY REPORT

STL – Newburgh 315 Fullerton Avenue Newburgh, NY. 12550 (845) 562-0890

ANALYTICAL REPORT

JOB NUMBER: 231702

Prepared For:

STES - Glen Cove
100 Morris Avenue
Glen Cove, NY 11542

Attention: Joe Covati

Date: 02/16/2004

Signature

Name: Christine M. Shrader

Title: Project Manager

E-Mail: cshrader@stl-inc.com

Date

315 Fullerton Avenue
Newburgh, NY 12550

PHONE: (845) 562-0890
FAX..: (845) 562-0841

SAMPLE INFORMATION

Date: 02/16/2004

Job Number.: 231702
Customer...: STES - Glen Cove
Attn.....: Joe Covati

Project Number.....: 20000073
Customer Project ID....: PELHAM BAY
Project Description....: Pelham Bay

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
231702-1	MW 104	Water	12/16/2003	00:00	12/18/2003	10:00
231702-2	MW 109	Water	12/16/2003	00:00	12/18/2003	10:00
231702-3	MW 119	Water	12/16/2003	00:00	12/18/2003	10:00
231702-4	MW 120	Water	12/16/2003	00:00	12/18/2003	10:00
231702-5	MW 120B	Water	12/16/2003	00:00	12/18/2003	10:00
231702-6	MW 121	Water	12/16/2003	00:00	12/18/2003	10:00
231702-7	MW 122	Water	12/16/2003	00:00	12/18/2003	10:00

LABORATORY TEST RESULTS

Job Number: 231702 Date: 02/16/2004

CUSTOMER: STES - Glen Cove PROJECT: PELHAM BAY ATTN: Joe Covati

Customer Sample ID: MW 104
Date Sampled.....: 12/16/2003
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 231702-1
Date Received.....: 12/18/2003
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 200.7	Acid Digestion (ICP)	Complete				Text	12/19/03	cmp
EPA 270.2	Selenium (Se)	200	U		200	ug/L	01/13/04	mwh
EPA 245.1	Mercury (Hg)	0.20	U		0.20	ug/L	12/22/03	lms
SM18 4500CNE	Cyanide, Total	0.0100	U		0.0100	mg/L	12/22/03	ne
SW846 8081A	Organochlorine Pesticide Analysis							
	alpha-BHC	0.052	U		0.052	ug/L	01/09/04	smo
	beta-BHC	0.052	U		0.052	ug/L	01/09/04	smo
	delta-BHC	0.052	U		0.052	ug/L	01/09/04	smo
	gamma-BHC (Lindane)	0.052	U		0.052	ug/L	01/09/04	smo
	Heptachlor	0.052	U		0.052	ug/L	01/09/04	smo
	Aldrin	0.052	U		0.052	ug/L	01/09/04	smo
	Heptachlor epoxide	0.052	U		0.052	ug/L	01/09/04	smo
	Endosulfan I	0.10	U		0.10	ug/L	01/09/04	smo
	Dieldrin	0.10	U		0.10	ug/L	01/09/04	smo
	4,4'-DDE	0.10	U		0.10	ug/L	01/09/04	smo
	Endrin	0.10	U		0.10	ug/L	01/09/04	smo
	Endosulfan II	0.10	U		0.10	ug/L	01/09/04	smo
	4,4'-DDD	0.10	U		0.10	ug/L	01/09/04	smo
	Endosulfan sulfate	0.10	U		0.10	ug/L	01/09/04	smo
	4,4'-DDT	0.10	U		0.10	ug/L	01/09/04	smo
	Methoxychlor	0.52	U		0.52	ug/L	01/09/04	smo
	Toxaphene	1.0	U		1.0	ug/L	01/09/04	smo
	Endrin aldehyde	0.10	U		0.10	ug/L	01/09/04	smo
	Technical Chlordane	0.52	U		0.52	ug/L	01/09/04	smo
SW846 6010B	Metals Analysis (ICAP)							
	Aluminum (Al)	1130			1000	ug/L	01/07/04	mad
	Antimony (Sb)	300	U		300	ug/L	01/07/04	mad
	Arsenic (As)	50.0	U		50.0	ug/L	01/07/04	mad
	Barium (Ba)	1000	U		1000	ug/L	01/07/04	mad
	Beryllium (Be)	25.0	U		25.0	ug/L	01/07/04	mad
	Cadmium (Cd)	25.0	U		25.0	ug/L	01/07/04	mad
	Calcium (Ca)	395000			25000	ug/L	01/07/04	mad
	Chromium (Cr)	50.0	U		50.0	ug/L	01/07/04	mad
	Cobalt (Co)	250	U		250	ug/L	01/07/04	mad
	Copper (Cu)	125	U		125	ug/L	01/07/04	mad
	Iron (Fe)	3560			500	ug/L	01/07/04	mad
	Lead (Pb)	19.9			15.0	ug/L	01/07/04	mad
	Magnesium (Mg)	984000			25000	ug/L	01/07/04	mad
	Manganese (Mn)	50.0	U		50.0	ug/L	01/07/04	mad
	Nickel (Ni)	200	U		200	ug/L	01/07/04	mad
	Potassium (K)	500000	U	E	500000	ug/L	01/09/04	mad
	Sodium (Na)	11000000		E	250000	ug/L	01/07/04	mad
	Silver (Ag)	50.0	U	N	50.0	ug/L	01/07/04	mad

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 231702 Date: 02/16/2004

CUSTOMER: STES - Glen Cove PROJECT: PELHAM BAY ATTN: Joe Covati

Customer Sample ID: MW 104
Date Sampled.....: 12/16/2003
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 231702-1
Date Received.....: 12/18/2003
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
	Thallium (Tl)	50.0	U		50.0	ug/L	01/07/04	mad
	Vanadium (V)	250	U		250	ug/L	01/07/04	mad
	Zinc (Zn)	100	U		100	ug/L	01/07/04	mad
SW846 8270C	Semivolatile Organics							
	n-Nitrosodimethylamine	enviroform			10.	ug/L		mmb
	Phenol	enviroform			10.	ug/L		mmb
	Bis(2-chloroethyl)ether	enviroform			10.	ug/L		mmb
	1,3-Dichlorobenzene	enviroform			10.	ug/L		mmb
	1,4-Dichlorobenzene	enviroform			10.	ug/L		mmb
	1,2-Dichlorobenzene	enviroform			10.	ug/L		mmb
	Benzyl alcohol	enviroform			10.	ug/L		mmb
	2-Methylphenol (o-cresol)	enviroform			10.	ug/L		mmb
	2,2-oxybis (1-chloropropane)	enviroform			10.	ug/L		mmb
	n-Nitroso-di-n-propylamine	enviroform			10.	ug/L		mmb
	Hexachloroethane	enviroform			10.	ug/L		mmb
	4-Methylphenol (m/p-cresol)	enviroform			10.	ug/L		mmb
	2-Chlorophenol	enviroform			10.	ug/L		mmb
	Nitrobenzene	enviroform			10.	ug/L		mmb
	Bis(2-chloroethoxy)methane	enviroform			10.	ug/L		mmb
	1,2,4-Trichlorobenzene	enviroform			10.	ug/L		mmb
	Isophorone	enviroform			10.	ug/L		mmb
	2,4-Dimethylphenol	enviroform			10.	ug/L		mmb
	Hexachlorobutadiene	enviroform			10.	ug/L		mmb
	Naphthalene	enviroform			10.	ug/L		mmb
	2,4-Dichlorophenol	enviroform			10.	ug/L		mmb
	4-Chloroaniline	enviroform			10.	ug/L		mmb
	2,4,6-Trichlorophenol	enviroform			10.	ug/L		mmb
	2,4,5-Trichlorophenol	enviroform			50.	ug/L		mmb
	Hexachlorocyclopentadiene	enviroform			10.	ug/L		mmb
	2-Methylnaphthalene	enviroform			10.	ug/L		mmb
	2-Nitroaniline	enviroform			25.	ug/L		mmb
	2-Chloronaphthalene	enviroform			10.	ug/L		mmb
	4-Chloro-3-methylphenol	enviroform			10.	ug/L		mmb
	2,6-Dinitrotoluene	enviroform			10.	ug/L		mmb
	2-Nitrophenol	enviroform			10.	ug/L		mmb
	3-Nitroaniline	enviroform			25	ug/L		mmb
	Dimethyl phthalate	enviroform			10.	ug/L		mmb
	2,4-Dinitrophenol	enviroform			25	ug/L		mmb
	Acenaphthylene	enviroform			10.	ug/L		mmb
	2,4-Dinitrotoluene	enviroform			10.	ug/L		mmb
	Acenaphthene	enviroform			10.	ug/L		mmb
	Dibenzofuran	enviroform			10.	ug/L		mmb
	4-Nitrophenol	enviroform			25.	ug/L		mmb
	Fluorene	enviroform			10.	ug/L		mmb
	4-Nitroaniline	enviroform			25.	ug/L		mmb
	4-Bromophenyl phenyl ether	enviroform			10.	ug/L		mmb
	Hexachlorobenzene	enviroform			10.	ug/L		mmb
	Diethyl phthalate	enviroform			10.	ug/L		mmb

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 231702 Date: 02/16/2004

CUSTOMER: STES - Glen Cove PROJECT: PELHAM BAY ATTN: Joe Covati

Customer Sample ID: MW 104
Date Sampled.....: 12/16/2003
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 231702-1
Date Received.....: 12/18/2003
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
	4-Chlorophenyl phenyl ether	enviroform			10.	ug/L		mmb
	Pentachlorophenol	enviroform			25.	ug/L		mmb
	n-Nitrosodiphenylamine	enviroform			10.	ug/L		mmb
	4,6-Dinitro-2-methylphenol	enviroform			25.	ug/L		mmb
	Phenanthrene	enviroform			10.	ug/L		mmb
	Anthracene	enviroform			10.	ug/L		mmb
	Di-n-butyl phthalate	enviroform			10.	ug/L		mmb
	Fluoranthene	enviroform			10.	ug/L		mmb
	Pyrene	enviroform			10.	ug/L		mmb
	Butyl benzyl phthalate	enviroform			10.	ug/L		mmb
	Benzo(a)anthracene	enviroform			10.	ug/L		mmb
	Chrysene	enviroform			10.	ug/L		mmb
	3,3-Dichlorobenzidine	enviroform			10.	ug/L		mmb
	Bis(2-ethylhexyl)phthalate	enviroform			10.	ug/L		mmb
	Di-n-octyl phthalate	enviroform			10.	ug/L		mmb
	Benzo(b)fluoranthene	enviroform			10.	ug/L		mmb
	Benzo(k)fluoranthene	enviroform			10.	ug/L		mmb
	Benzo(a)pyrene	enviroform			10.	ug/L		mmb
	Indeno(1,2,3-cd)pyrene	enviroform			10.	ug/L		mmb
	Dibenzo(a,h)anthracene	enviroform			10.	ug/L		mmb
	Benzo(ghi)perylene	enviroform			10.	ug/L		mmb
SW846 8260B	Volatile Organics							
	Chloromethane	enviro			10.0	ug/L	12/26/03	aml
	Vinyl chloride	enviro			10.0	ug/L	12/26/03	aml
	Bromomethane	enviro			10.0	ug/L	12/26/03	aml
	Chloroethane	enviro			10.0	ug/L	12/26/03	aml
	1,1-Dichloroethene	enviro			10.0	ug/L	12/26/03	aml
	Carbon disulfide	enviro			10.0	ug/L	12/26/03	aml
	Acetone	enviro			10.0	ug/L	12/26/03	aml
	Methylene chloride	enviro			10.0	ug/L	12/26/03	aml
	1,1-Dichloroethane	enviro			10.0	ug/L	12/26/03	aml
	Vinyl acetate	enviro			10.0	ug/L	12/26/03	aml
	2-Butanone (MEK)	enviro			10.0	ug/L	12/26/03	aml
	Chloroform	enviro			10.0	ug/L	12/26/03	aml
	1,1,1-Trichloroethane	enviro			10.0	ug/L	12/26/03	aml
	Carbon tetrachloride	enviro			10.0	ug/L	12/26/03	aml
	1,2-Dichloroethene (total)	enviro			10.0	ug/L	12/26/03	aml
	Benzene	enviro			10.0	ug/L	12/26/03	aml
	1,2-Dichloroethane	enviro			10.0	ug/L	12/26/03	aml
	Trichloroethene	enviro			10.0	ug/L	12/26/03	aml
	1,2-Dichloropropane	enviro			10.0	ug/L	12/26/03	aml
	Bromodichloromethane	enviro			10.0	ug/L	12/26/03	aml
	2-Chloroethylvinylether	enviro			10.0	ug/L	12/26/03	aml
	cis-1,3-Dichloropropene	enviro			10.0	ug/L	12/26/03	aml
	4-Methyl-2-pentanone (MIBK)	enviro			10.0	ug/L	12/26/03	aml
	Toluene	enviro			10.0	ug/L	12/26/03	aml
	trans-1,3-Dichloropropene	enviro			10.0	ug/L	12/26/03	aml
	1,1,2-Trichloroethane	enviro			10.0	ug/L	12/26/03	aml

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 231702 Date: 02/16/2004

CUSTOMER: STES - Glen Cove PROJECT: PELHAM BAY ATTN: Joe Covati

Customer Sample ID: MW 104
Date Sampled.....: 12/16/2003
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 231702-1
Date Received.....: 12/18/2003
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
	Tetrachloroethene	enviro			10.0	ug/L	12/26/03	aml
	2-Hexanone	enviro			10.0	ug/L	12/26/03	aml
	Dibromochloromethane	enviro			10.0	ug/L	12/26/03	aml
	Chlorobenzene	enviro			10.0	ug/L	12/26/03	aml
	Ethylbenzene	enviro			10.0	ug/L	12/26/03	aml
	Styrene	enviro			10.0	ug/L	12/26/03	aml
	Bromoform	enviro			10.0	ug/L	12/26/03	aml
	1,1,2,2-Tetrachloroethane	enviro			10.0	ug/L	12/26/03	aml
	Xylenes (total)	enviro			10.0	ug/L	12/26/03	aml
	1,3-Dichlorobenzene	enviro			10.0	ug/L	12/26/03	aml
	1,4-Dichlorobenzene	enviro			10.0	ug/L	12/26/03	aml
	1,2-Dichlorobenzene	enviro			10.0	ug/L	12/26/03	aml

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 231702 Date: 02/16/2004

CUSTOMER: STES - Glen Cove PROJECT: PELHAM BAY ATTN: Joe Covati

Customer Sample ID: MW 109
Date Sampled.....: 12/16/2003
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 231702-2
Date Received.....: 12/18/2003
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 200.7	Acid Digestion (ICP)	Complete				Text	12/19/03	cmp
EPA 270.2	Selenium (Se)	25.0	U		25.0	ug/L	01/13/04	mwh
EPA 245.1	Mercury (Hg)	0.20	U		0.20	ug/L	12/22/03	lms
SM18 4500CNE	Cyanide, Total	0.0100	U		0.0100	mg/L	12/22/03	ne
SW846 8081A	Organochlorine Pesticide Analysis							
	alpha-BHC	0.050	U		0.050	ug/L	01/09/04	smo
	beta-BHC	0.050	U		0.050	ug/L	01/09/04	smo
	delta-BHC	0.050	U		0.050	ug/L	01/09/04	smo
	gamma-BHC (Lindane)	0.050	U		0.050	ug/L	01/09/04	smo
	Heptachlor	0.050	U		0.050	ug/L	01/09/04	smo
	Aldrin	0.050	U		0.050	ug/L	01/09/04	smo
	Heptachlor epoxide	0.050	U		0.050	ug/L	01/09/04	smo
	Endosulfan I	0.10	U		0.10	ug/L	01/09/04	smo
	Dieldrin	0.10	U		0.10	ug/L	01/09/04	smo
	4,4'-DDE	0.10	U		0.10	ug/L	01/09/04	smo
	Endrin	0.10	U		0.10	ug/L	01/09/04	smo
	Endosulfan II	0.10	U		0.10	ug/L	01/09/04	smo
	4,4'-DDD	0.10	U		0.10	ug/L	01/09/04	smo
	Endosulfan sulfate	0.10	U		0.10	ug/L	01/09/04	smo
	4,4'-DDT	0.10	U		0.10	ug/L	01/09/04	smo
	Methoxychlor	0.50	U		0.50	ug/L	01/09/04	smo
	Toxaphene	1.0	U		1.0	ug/L	01/09/04	smo
	Endrin aldehyde	0.10	U		0.10	ug/L	01/09/04	smo
	Technical Chlordane	0.50	U		0.50	ug/L	01/09/04	smo
SW846 6010B	Metals Analysis (ICAP)							
	Aluminum (Al)	1000	U		1000	ug/L	01/07/04	mad
	Antimony (Sb)	300	U		300	ug/L	01/07/04	mad
	Arsenic (As)	50.0	U		50.0	ug/L	01/07/04	mad
	Barium (Ba)	1000	U		1000	ug/L	01/07/04	mad
	Beryllium (Be)	25.0	U		25.0	ug/L	01/07/04	mad
	Cadmium (Cd)	25.0	U		25.0	ug/L	01/07/04	mad
	Calcium (Ca)	189000			25000	ug/L	01/07/04	mad
	Chromium (Cr)	50.0	U		50.0	ug/L	01/07/04	mad
	Cobalt (Co)	250	U		250	ug/L	01/07/04	mad
	Copper (Cu)	125	U		125	ug/L	01/07/04	mad
	Iron (Fe)	1620			500	ug/L	01/07/04	mad
	Lead (Pb)	15.0	U		15.0	ug/L	01/07/04	mad
	Magnesium (Mg)	34900			25000	ug/L	01/07/04	mad
	Manganese (Mn)	538			50.0	ug/L	01/07/04	mad
	Nickel (Ni)	200	U		200	ug/L	01/07/04	mad
	Potassium (K)	25000	U	E	25000	ug/L	01/09/04	mad
	Sodium (Na)	25000	U	E	25000	ug/L	01/07/04	mad
	Silver (Ag)	50.0	U	N	50.0	ug/L	01/07/04	mad

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 231702 Date: 02/16/2004

CUSTOMER: STES - Glen Cove PROJECT: PELHAM BAY ATTN: Joe Covati

Customer Sample ID: MW 109
Date Sampled.....: 12/16/2003
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 231702-2
Date Received.....: 12/18/2003
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
	Thallium (Tl)	50.0	U		50.0	ug/L	01/07/04	mad
	Vanadium (V)	250	U		250	ug/L	01/07/04	mad
	Zinc (Zn)	100	U		100	ug/L	01/07/04	mad
SW846 8270C	Semivolatile Organics							
	n-Nitrosodimethylamine	enviroform			10.	ug/L		mmb
	Phenol	enviroform			10.	ug/L		mmb
	Bis(2-chloroethyl)ether	enviroform			10.	ug/L		mmb
	1,3-Dichlorobenzene	enviroform			10.	ug/L		mmb
	1,4-Dichlorobenzene	enviroform			10.	ug/L		mmb
	1,2-Dichlorobenzene	enviroform			10.	ug/L		mmb
	Benzyl alcohol	enviroform			10.	ug/L		mmb
	2-Methylphenol (o-cresol)	enviroform			10.	ug/L		mmb
	2,2-oxybis (1-chloropropane)	enviroform			10.	ug/L		mmb
	n-Nitroso-di-n-propylamine	enviroform			10.	ug/L		mmb
	Hexachloroethane	enviroform			10.	ug/L		mmb
	4-Methylphenol (m/p-cresol)	enviroform			10.	ug/L		mmb
	2-Chlorophenol	enviroform			10.	ug/L		mmb
	Nitrobenzene	enviroform			10.	ug/L		mmb
	Bis(2-chloroethoxy)methane	enviroform			10.	ug/L		mmb
	1,2,4-Trichlorobenzene	enviroform			10.	ug/L		mmb
	Isophorone	enviroform			10.	ug/L		mmb
	2,4-Dimethylphenol	enviroform			10.	ug/L		mmb
	Hexachlorobutadiene	enviroform			10.	ug/L		mmb
	Naphthalene	enviroform			10.	ug/L		mmb
	2,4-Dichlorophenol	enviroform			10.	ug/L		mmb
	4-Chloroaniline	enviroform			10.	ug/L		mmb
	2,4,6-Trichlorophenol	enviroform			10.	ug/L		mmb
	2,4,5-Trichlorophenol	enviroform			50.	ug/L		mmb
	Hexachlorocyclopentadiene	enviroform			10.	ug/L		mmb
	2-Methylnaphthalene	enviroform			10.	ug/L		mmb
	2-Nitroaniline	enviroform			25.	ug/L		mmb
	2-Chloronaphthalene	enviroform			10.	ug/L		mmb
	4-Chloro-3-methylphenol	enviroform			10.	ug/L		mmb
	2,6-Dinitrotoluene	enviroform			10.	ug/L		mmb
	2-Nitrophenol	enviroform			10.	ug/L		mmb
	3-Nitroaniline	enviroform			25	ug/L		mmb
	Dimethyl phthalate	enviroform			10.	ug/L		mmb
	2,4-Dinitrophenol	enviroform			25	ug/L		mmb
	Acenaphthylene	enviroform			10.	ug/L		mmb
	2,4-Dinitrotoluene	enviroform			10.	ug/L		mmb
	Acenaphthene	enviroform			10.	ug/L		mmb
	Dibenzofuran	enviroform			10.	ug/L		mmb
	4-Nitrophenol	enviroform			25.	ug/L		mmb
	Fluorene	enviroform			10.	ug/L		mmb
	4-Nitroaniline	enviroform			25.	ug/L		mmb
	4-Bromophenyl phenyl ether	enviroform			10.	ug/L		mmb
	Hexachlorobenzene	enviroform			10.	ug/L		mmb
	Diethyl phthalate	enviroform			10.	ug/L		mmb

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 231702 Date: 02/16/2004

CUSTOMER: STES - Glen Cove PROJECT: PELHAM BAY ATTN: Joe Covati

Customer Sample ID: MW 109
Date Sampled.....: 12/16/2003
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 231702-2
Date Received.....: 12/18/2003
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
	4-Chlorophenyl phenyl ether	enviroform			10.	ug/L		mmb
	Pentachlorophenol	enviroform			25.	ug/L		mmb
	n-Nitrosodiphenylamine	enviroform			10.	ug/L		mmb
	4,6-Dinitro-2-methylphenol	enviroform			25.	ug/L		mmb
	Phenanthrene	enviroform			10.	ug/L		mmb
	Anthracene	enviroform			10.	ug/L		mmb
	Di-n-butyl phthalate	enviroform			10.	ug/L		mmb
	Fluoranthene	enviroform			10.	ug/L		mmb
	Pyrene	enviroform			10.	ug/L		mmb
	Butyl benzyl phthalate	enviroform			10.	ug/L		mmb
	Benzo(a)anthracene	enviroform			10.	ug/L		mmb
	Chrysene	enviroform			10.	ug/L		mmb
	3,3-Dichlorobenzidine	enviroform			10.	ug/L		mmb
	Bis(2-ethylhexyl)phthalate	enviroform			10.	ug/L		mmb
	Di-n-octyl phthalate	enviroform			10.	ug/L		mmb
	Benzo(b)fluoranthene	enviroform			10.	ug/L		mmb
	Benzo(k)fluoranthene	enviroform			10.	ug/L		mmb
	Benzo(a)pyrene	enviroform			10.	ug/L		mmb
	Indeno(1,2,3-cd)pyrene	enviroform			10.	ug/L		mmb
	Dibenzo(a,h)anthracene	enviroform			10.	ug/L		mmb
	Benzo(ghi)perylene	enviroform			10.	ug/L		mmb
SW846 8260B	Volatile Organics							
	Chloromethane	enviro			10.0	ug/L		aml
	Vinyl chloride	enviro			10.0	ug/L		aml
	Bromomethane	enviro			10.0	ug/L		aml
	Chloroethane	enviro			10.0	ug/L		aml
	1,1-Dichloroethene	enviro			10.0	ug/L		aml
	Carbon disulfide	enviro			10.0	ug/L		aml
	Acetone	enviro			10.0	ug/L		aml
	Methylene chloride	enviro			10.0	ug/L		aml
	1,1-Dichloroethane	enviro			10.0	ug/L		aml
	Vinyl acetate	enviro			10.0	ug/L		aml
	2-Butanone (MEK)	enviro			10.0	ug/L		aml
	Chloroform	enviro			10.0	ug/L		aml
	1,1,1-Trichloroethane	enviro			10.0	ug/L		aml
	Carbon tetrachloride	enviro			10.0	ug/L		aml
	1,2-Dichloroethene (total)	enviro			10.0	ug/L		aml
	Benzene	enviro			10.0	ug/L		aml
	1,2-Dichloroethane	enviro			10.0	ug/L		aml
	Trichloroethene	enviro			10.0	ug/L		aml
	1,2-Dichloropropane	enviro			10.0	ug/L		aml
	Bromodichloromethane	enviro			10.0	ug/L		aml
	2-Chloroethylvinylether	enviro			10.0	ug/L		aml
	cis-1,3-Dichloropropene	enviro			10.0	ug/L		aml
	4-Methyl-2-pentanone (MIBK)	enviro			10.0	ug/L		aml
	Toluene	enviro			10.0	ug/L		aml
	trans-1,3-Dichloropropene	enviro			10.0	ug/L		aml
	1,1,2-Trichloroethane	enviro			10.0	ug/L		aml

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 231702 Date: 02/16/2004

CUSTOMER: STES - Glen Cove PROJECT: PELHAM BAY ATTN: Joe Covati

Customer Sample ID: MW 109
Date Sampled.....: 12/16/2003
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 231702-2
Date Received.....: 12/18/2003
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
	Tetrachloroethene	enviro			10.0	ug/L		aml
	2-Hexanone	enviro			10.0	ug/L		aml
	Dibromochloromethane	enviro			10.0	ug/L		aml
	Chlorobenzene	enviro			10.0	ug/L		aml
	Ethylbenzene	enviro			10.0	ug/L		aml
	Styrene	enviro			10.0	ug/L		aml
	Bromoform	enviro			10.0	ug/L		aml
	1,1,2,2-Tetrachloroethane	enviro			10.0	ug/L		aml
	Xylenes (total)	enviro			10.0	ug/L		aml
	1,3-Dichlorobenzene	enviro			10.0	ug/L		aml
	1,4-Dichlorobenzene	enviro			10.0	ug/L		aml
	1,2-Dichlorobenzene	enviro			10.0	ug/L		aml

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 231702 Date: 02/16/2004

CUSTOMER: STES - Glen Cove PROJECT: PELHAM BAY ATTN: Joe Covati

Customer Sample ID: MW 119
Date Sampled.....: 12/16/2003
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 231702-3
Date Received.....: 12/18/2003
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 200.7	Acid Digestion (ICP)	Complete				Text	12/19/03	cmp
EPA 270.2	Selenium (Se)	200	U		200	ug/L	01/13/04	mwh
EPA 245.1	Mercury (Hg)	0.20	U		0.20	ug/L	12/22/03	lms
SM18 4500CNE	Cyanide, Total	0.0100	U		0.0100	mg/L	12/22/03	ne
SW846 8081A	Organochlorine Pesticide Analysis							
	alpha-BHC	0.052	U		0.052	ug/L	01/09/04	smo
	beta-BHC	0.052	U		0.052	ug/L	01/09/04	smo
	delta-BHC	0.052	U		0.052	ug/L	01/09/04	smo
	gamma-BHC (Lindane)	0.052	U		0.052	ug/L	01/09/04	smo
	Heptachlor	0.052	U		0.052	ug/L	01/09/04	smo
	Aldrin	0.052	U		0.052	ug/L	01/09/04	smo
	Heptachlor epoxide	0.052	U		0.052	ug/L	01/09/04	smo
	Endosulfan I	0.10	U		0.10	ug/L	01/09/04	smo
	Dieldrin	0.10	U		0.10	ug/L	01/09/04	smo
	4,4'-DDE	0.10	U		0.10	ug/L	01/09/04	smo
	Endrin	0.10	U		0.10	ug/L	01/09/04	smo
	Endosulfan II	0.10	U		0.10	ug/L	01/09/04	smo
	4,4'-DDD	0.10	U		0.10	ug/L	01/09/04	smo
	Endosulfan sulfate	0.10	U		0.10	ug/L	01/09/04	smo
	4,4'-DDT	0.10	U		0.10	ug/L	01/09/04	smo
	Methoxychlor	0.52	U		0.52	ug/L	01/09/04	smo
	Toxaphene	1.0	U		1.0	ug/L	01/09/04	smo
	Endrin aldehyde	0.10	U		0.10	ug/L	01/09/04	smo
	Technical Chlordane	0.52	U		0.52	ug/L	01/09/04	smo
SW846 6010B	Metals Analysis (ICAP)							
	Aluminum (Al)	1000	U		1000	ug/L	01/07/04	mad
	Antimony (Sb)	300	U		300	ug/L	01/07/04	mad
	Arsenic (As)	50.0	U		50.0	ug/L	01/07/04	mad
	Barium (Ba)	1000	U		1000	ug/L	01/07/04	mad
	Beryllium (Be)	25.0	U		25.0	ug/L	01/07/04	mad
	Cadmium (Cd)	25.0	U		25.0	ug/L	01/07/04	mad
	Calcium (Ca)	530000			25000	ug/L	01/07/04	mad
	Chromium (Cr)	50.0	U		50.0	ug/L	01/07/04	mad
	Cobalt (Co)	250	U		250	ug/L	01/07/04	mad
	Copper (Cu)	125	U		125	ug/L	01/07/04	mad
	Iron (Fe)	5020			500	ug/L	01/07/04	mad
	Lead (Pb)	15.0	U		15.0	ug/L	01/07/04	mad
	Magnesium (Mg)	1150000			25000	ug/L	01/07/04	mad
	Manganese (Mn)	992			50.0	ug/L	01/07/04	mad
	Nickel (Ni)	200	U		200	ug/L	01/07/04	mad
	Potassium (K)	500000	U	E	500000	ug/L	01/09/04	mad
	Sodium (Na)	11600000		E	250000	ug/L	01/07/04	mad
	Silver (Ag)	50.0	U	N	50.0	ug/L	01/07/04	mad

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 231702 Date: 02/16/2004

CUSTOMER: STES - Glen Cove PROJECT: PELHAM BAY ATTN: Joe Covati

Customer Sample ID: MW 119
Date Sampled.....: 12/16/2003
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 231702-3
Date Received.....: 12/18/2003
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
	Thallium (Tl)	50.0	U		50.0	ug/L	01/07/04	mad
	Vanadium (V)	250	U		250	ug/L	01/07/04	mad
	Zinc (Zn)	100	U		100	ug/L	01/07/04	mad
SW846 8270C	Semivolatile Organics							
	n-Nitrosodimethylamine	enviroform			10.	ug/L		mmb
	Phenol	enviroform			10.	ug/L		mmb
	Bis(2-chloroethyl)ether	enviroform			10.	ug/L		mmb
	1,3-Dichlorobenzene	enviroform			10.	ug/L		mmb
	1,4-Dichlorobenzene	enviroform			10.	ug/L		mmb
	1,2-Dichlorobenzene	enviroform			10.	ug/L		mmb
	Benzyl alcohol	enviroform			10.	ug/L		mmb
	2-Methylphenol (o-cresol)	enviroform			10.	ug/L		mmb
	2,2-oxybis (1-chloropropane)	enviroform			10.	ug/L		mmb
	n-Nitroso-di-n-propylamine	enviroform			10.	ug/L		mmb
	Hexachloroethane	enviroform			10.	ug/L		mmb
	4-Methylphenol (m/p-cresol)	enviroform			10.	ug/L		mmb
	2-Chlorophenol	enviroform			10.	ug/L		mmb
	Nitrobenzene	enviroform			10.	ug/L		mmb
	Bis(2-chloroethoxy)methane	enviroform			10.	ug/L		mmb
	1,2,4-Trichlorobenzene	enviroform			10.	ug/L		mmb
	Isophorone	enviroform			10.	ug/L		mmb
	2,4-Dimethylphenol	enviroform			10.	ug/L		mmb
	Hexachlorobutadiene	enviroform			10.	ug/L		mmb
	Naphthalene	enviroform			10.	ug/L		mmb
	2,4-Dichlorophenol	enviroform			10.	ug/L		mmb
	4-Chloroaniline	enviroform			10.	ug/L		mmb
	2,4,6-Trichlorophenol	enviroform			10.	ug/L		mmb
	2,4,5-Trichlorophenol	enviroform			50.	ug/L		mmb
	Hexachlorocyclopentadiene	enviroform			10.	ug/L		mmb
	2-Methylnaphthalene	enviroform			10.	ug/L		mmb
	2-Nitroaniline	enviroform			25.	ug/L		mmb
	2-Chloronaphthalene	enviroform			10.	ug/L		mmb
	4-Chloro-3-methylphenol	enviroform			10.	ug/L		mmb
	2,6-Dinitrotoluene	enviroform			10.	ug/L		mmb
	2-Nitrophenol	enviroform			10.	ug/L		mmb
	3-Nitroaniline	enviroform			25	ug/L		mmb
	Dimethyl phthalate	enviroform			10.	ug/L		mmb
	2,4-Dinitrophenol	enviroform			25	ug/L		mmb
	Acenaphthylene	enviroform			10.	ug/L		mmb
	2,4-Dinitrotoluene	enviroform			10.	ug/L		mmb
	Acenaphthene	enviroform			10.	ug/L		mmb
	Dibenzofuran	enviroform			10.	ug/L		mmb
	4-Nitrophenol	enviroform			25.	ug/L		mmb
	Fluorene	enviroform			10.	ug/L		mmb
	4-Nitroaniline	enviroform			25.	ug/L		mmb
	4-Bromophenyl phenyl ether	enviroform			10.	ug/L		mmb
	Hexachlorobenzene	enviroform			10.	ug/L		mmb
	Diethyl phthalate	enviroform			10.	ug/L		mmb

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 231702 Date: 02/16/2004

CUSTOMER: STES - Glen Cove PROJECT: PELHAM BAY ATTN: Joe Covati

Customer Sample ID: MW 119
Date Sampled.....: 12/16/2003
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 231702-3
Date Received.....: 12/18/2003
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
	4-Chlorophenyl phenyl ether	enviroform			10.	ug/L		mmb
	Pentachlorophenol	enviroform			25.	ug/L		mmb
	n-Nitrosodiphenylamine	enviroform			10.	ug/L		mmb
	4,6-Dinitro-2-methylphenol	enviroform			25.	ug/L		mmb
	Phenanthrene	enviroform			10.	ug/L		mmb
	Anthracene	enviroform			10.	ug/L		mmb
	Di-n-butyl phthalate	enviroform			10.	ug/L		mmb
	Fluoranthene	enviroform			10.	ug/L		mmb
	Pyrene	enviroform			10.	ug/L		mmb
	Butyl benzyl phthalate	enviroform			10.	ug/L		mmb
	Benzo(a)anthracene	enviroform			10.	ug/L		mmb
	Chrysene	enviroform			10.	ug/L		mmb
	3,3-Dichlorobenzidine	enviroform			10.	ug/L		mmb
	Bis(2-ethylhexyl)phthalate	enviroform			10.	ug/L		mmb
	Di-n-octyl phthalate	enviroform			10.	ug/L		mmb
	Benzo(b)fluoranthene	enviroform			10.	ug/L		mmb
	Benzo(k)fluoranthene	enviroform			10.	ug/L		mmb
	Benzo(a)pyrene	enviroform			10.	ug/L		mmb
	Indeno(1,2,3-cd)pyrene	enviroform			10.	ug/L		mmb
	Dibenzo(a,h)anthracene	enviroform			10.	ug/L		mmb
	Benzo(ghi)perylene	enviroform			10.	ug/L		mmb
SW846 8260B	Volatile Organics							
	Chloromethane	enviro			10.0	ug/L		aml
	Vinyl chloride	enviro			10.0	ug/L		aml
	Bromomethane	enviro			10.0	ug/L		aml
	Chloroethane	enviro			10.0	ug/L		aml
	1,1-Dichloroethene	enviro			10.0	ug/L		aml
	Carbon disulfide	enviro			10.0	ug/L		aml
	Acetone	enviro			10.0	ug/L		aml
	Methylene chloride	enviro			10.0	ug/L		aml
	1,1-Dichloroethane	enviro			10.0	ug/L		aml
	Vinyl acetate	enviro			10.0	ug/L		aml
	2-Butanone (MEK)	enviro			10.0	ug/L		aml
	Chloroform	enviro			10.0	ug/L		aml
	1,1,1-Trichloroethane	enviro			10.0	ug/L		aml
	Carbon tetrachloride	enviro			10.0	ug/L		aml
	1,2-Dichloroethene (total)	enviro			10.0	ug/L		aml
	Benzene	enviro			10.0	ug/L		aml
	1,2-Dichloroethane	enviro			10.0	ug/L		aml
	Trichloroethene	enviro			10.0	ug/L		aml
	1,2-Dichloropropane	enviro			10.0	ug/L		aml
	Bromodichloromethane	enviro			10.0	ug/L		aml
	2-Chloroethylvinylether	enviro			10.0	ug/L		aml
	cis-1,3-Dichloropropene	enviro			10.0	ug/L		aml
	4-Methyl-2-pentanone (MIBK)	enviro			10.0	ug/L		aml
	Toluene	enviro			10.0	ug/L		aml
	trans-1,3-Dichloropropene	enviro			10.0	ug/L		aml
	1,1,2-Trichloroethane	enviro			10.0	ug/L		aml

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 231702 Date: 02/16/2004

CUSTOMER: STES - Glen Cove PROJECT: PELHAM BAY ATTN: Joe Covati

Customer Sample ID: MW 119
Date Sampled.....: 12/16/2003
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 231702-3
Date Received.....: 12/18/2003
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
	Tetrachloroethene	enviro			10.0	ug/L		aml
	2-Hexanone	enviro			10.0	ug/L		aml
	Dibromochloromethane	enviro			10.0	ug/L		aml
	Chlorobenzene	enviro			10.0	ug/L		aml
	Ethylbenzene	enviro			10.0	ug/L		aml
	Styrene	enviro			10.0	ug/L		aml
	Bromoform	enviro			10.0	ug/L		aml
	1,1,2,2-Tetrachloroethane	enviro			10.0	ug/L		aml
	Xylenes (total)	enviro			10.0	ug/L		aml
	1,3-Dichlorobenzene	enviro			10.0	ug/L		aml
	1,4-Dichlorobenzene	enviro			10.0	ug/L		aml
	1,2-Dichlorobenzene	enviro			10.0	ug/L		aml

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 231702 Date: 02/16/2004

CUSTOMER: STES - Glen Cove PROJECT: PELHAM BAY ATTN: Joe Covati

Customer Sample ID: MW 120
Date Sampled.....: 12/16/2003
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 231702-4
Date Received.....: 12/18/2003
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 200.7	Acid Digestion (ICP)	Complete				Text	12/19/03	cmp
EPA 270.2	Selenium (Se)	200	U		200	ug/L	01/13/04	mwh
EPA 245.1	Mercury (Hg)	0.20	U		0.20	ug/L	12/22/03	lms
SM18 4500CNE	Cyanide, Total	0.0100	U		0.0100	mg/L	12/22/03	ne
SW846 8081A	Organochlorine Pesticide Analysis							
	alpha-BHC	0.050	U		0.050	ug/L	01/09/04	smo
	beta-BHC	0.050	U		0.050	ug/L	01/09/04	smo
	delta-BHC	0.050	U		0.050	ug/L	01/09/04	smo
	gamma-BHC (Lindane)	0.050	U		0.050	ug/L	01/09/04	smo
	Heptachlor	0.050	U		0.050	ug/L	01/09/04	smo
	Aldrin	0.050	U		0.050	ug/L	01/09/04	smo
	Heptachlor epoxide	0.050	U		0.050	ug/L	01/09/04	smo
	Endosulfan I	0.10	U		0.10	ug/L	01/09/04	smo
	Dieldrin	0.10	U		0.10	ug/L	01/09/04	smo
	4,4'-DDE	0.10	U		0.10	ug/L	01/09/04	smo
	Endrin	0.10	U		0.10	ug/L	01/09/04	smo
	Endosulfan II	0.10	U		0.10	ug/L	01/09/04	smo
	4,4'-DDD	0.10	U		0.10	ug/L	01/09/04	smo
	Endosulfan sulfate	0.10	U		0.10	ug/L	01/09/04	smo
	4,4'-DDT	0.10	U		0.10	ug/L	01/09/04	smo
	Methoxychlor	0.50	U		0.50	ug/L	01/09/04	smo
	Toxaphene	1.0	U		1.0	ug/L	01/09/04	smo
	Endrin aldehyde	0.10	U		0.10	ug/L	01/09/04	smo
	Technical Chlordane	0.50	U		0.50	ug/L	01/09/04	smo
SW846 6010B	Metals Analysis (ICAP)							
	Aluminum (Al)	1000	U		1000	ug/L	01/07/04	mad
	Antimony (Sb)	300	U		300	ug/L	01/07/04	mad
	Arsenic (As)	50.0	U		50.0	ug/L	01/07/04	mad
	Barium (Ba)	1000	U		1000	ug/L	01/07/04	mad
	Beryllium (Be)	25.0	U		25.0	ug/L	01/07/04	mad
	Cadmium (Cd)	25.0	U		25.0	ug/L	01/07/04	mad
	Calcium (Ca)	804000			25000	ug/L	01/07/04	mad
	Chromium (Cr)	50.0	U		50.0	ug/L	01/07/04	mad
	Cobalt (Co)	250	U		250	ug/L	01/07/04	mad
	Copper (Cu)	125	U		125	ug/L	01/07/04	mad
	Iron (Fe)	3860			500	ug/L	01/07/04	mad
	Lead (Pb)	15.0	U		15.0	ug/L	01/07/04	mad
	Magnesium (Mg)	748000			25000	ug/L	01/07/04	mad
	Manganese (Mn)	1640			50.0	ug/L	01/07/04	mad
	Nickel (Ni)	200	U		200	ug/L	01/07/04	mad
	Potassium (K)	250000	U	E	250000	ug/L	01/09/04	mad
	Sodium (Na)	9540000		E	250000	ug/L	01/07/04	mad
	Silver (Ag)	50.0	U	N	50.0	ug/L	01/07/04	mad

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 231702 Date: 02/16/2004

CUSTOMER: STES - Glen Cove PROJECT: PELHAM BAY ATTN: Joe Covati

Customer Sample ID: MW 120
Date Sampled.....: 12/16/2003
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 231702-4
Date Received.....: 12/18/2003
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
	Thallium (Tl)	50.0	U		50.0	ug/L	01/07/04	mad
	Vanadium (V)	250	U		250	ug/L	01/07/04	mad
	Zinc (Zn)	100	U		100	ug/L	01/07/04	mad
SW846 8270C	Semivolatile Organics							
	n-Nitrosodimethylamine	enviroform			10.	ug/L		mmb
	Phenol	enviroform			10.	ug/L		mmb
	Bis(2-chloroethyl)ether	enviroform			10.	ug/L		mmb
	1,3-Dichlorobenzene	enviroform			10.	ug/L		mmb
	1,4-Dichlorobenzene	enviroform			10.	ug/L		mmb
	1,2-Dichlorobenzene	enviroform			10.	ug/L		mmb
	Benzyl alcohol	enviroform			10.	ug/L		mmb
	2-Methylphenol (o-cresol)	enviroform			10.	ug/L		mmb
	2,2-oxybis (1-chloropropane)	enviroform			10.	ug/L		mmb
	n-Nitroso-di-n-propylamine	enviroform			10.	ug/L		mmb
	Hexachloroethane	enviroform			10.	ug/L		mmb
	4-Methylphenol (m/p-cresol)	enviroform			10.	ug/L		mmb
	2-Chlorophenol	enviroform			10.	ug/L		mmb
	Nitrobenzene	enviroform			10.	ug/L		mmb
	Bis(2-chloroethoxy)methane	enviroform			10.	ug/L		mmb
	1,2,4-Trichlorobenzene	enviroform			10.	ug/L		mmb
	Isophorone	enviroform			10.	ug/L		mmb
	2,4-Dimethylphenol	enviroform			10.	ug/L		mmb
	Hexachlorobutadiene	enviroform			10.	ug/L		mmb
	Naphthalene	enviroform			10.	ug/L		mmb
	2,4-Dichlorophenol	enviroform			10.	ug/L		mmb
	4-Chloroaniline	enviroform			10.	ug/L		mmb
	2,4,6-Trichlorophenol	enviroform			10.	ug/L		mmb
	2,4,5-Trichlorophenol	enviroform			50.	ug/L		mmb
	Hexachlorocyclopentadiene	enviroform			10.	ug/L		mmb
	2-Methylnaphthalene	enviroform			10.	ug/L		mmb
	2-Nitroaniline	enviroform			25.	ug/L		mmb
	2-Chloronaphthalene	enviroform			10.	ug/L		mmb
	4-Chloro-3-methylphenol	enviroform			10.	ug/L		mmb
	2,6-Dinitrotoluene	enviroform			10.	ug/L		mmb
	2-Nitrophenol	enviroform			10.	ug/L		mmb
	3-Nitroaniline	enviroform			25	ug/L		mmb
	Dimethyl phthalate	enviroform			10.	ug/L		mmb
	2,4-Dinitrophenol	enviroform			25	ug/L		mmb
	Acenaphthylene	enviroform			10.	ug/L		mmb
	2,4-Dinitrotoluene	enviroform			10.	ug/L		mmb
	Acenaphthene	enviroform			10.	ug/L		mmb
	Dibenzofuran	enviroform			10.	ug/L		mmb
	4-Nitrophenol	enviroform			25.	ug/L		mmb
	Fluorene	enviroform			10.	ug/L		mmb
	4-Nitroaniline	enviroform			25.	ug/L		mmb
	4-Bromophenyl phenyl ether	enviroform			10.	ug/L		mmb
	Hexachlorobenzene	enviroform			10.	ug/L		mmb
	Diethyl phthalate	enviroform			10.	ug/L		mmb

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 231702 Date: 02/16/2004

CUSTOMER: STES - Glen Cove PROJECT: PELHAM BAY ATTN: Joe Covati

Customer Sample ID: MW 120
Date Sampled.....: 12/16/2003
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 231702-4
Date Received.....: 12/18/2003
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
	4-Chlorophenyl phenyl ether	enviroform			10.	ug/L		mmb
	Pentachlorophenol	enviroform			25.	ug/L		mmb
	n-Nitrosodiphenylamine	enviroform			10.	ug/L		mmb
	4,6-Dinitro-2-methylphenol	enviroform			25.	ug/L		mmb
	Phenanthrene	enviroform			10.	ug/L		mmb
	Anthracene	enviroform			10.	ug/L		mmb
	Di-n-butyl phthalate	enviroform			10.	ug/L		mmb
	Fluoranthene	enviroform			10.	ug/L		mmb
	Pyrene	enviroform			10.	ug/L		mmb
	Butyl benzyl phthalate	enviroform			10.	ug/L		mmb
	Benzo(a)anthracene	enviroform			10.	ug/L		mmb
	Chrysene	enviroform			10.	ug/L		mmb
	3,3-Dichlorobenzidine	enviroform			10.	ug/L		mmb
	Bis(2-ethylhexyl)phthalate	enviroform			10.	ug/L		mmb
	Di-n-octyl phthalate	enviroform			10.	ug/L		mmb
	Benzo(b)fluoranthene	enviroform			10.	ug/L		mmb
	Benzo(k)fluoranthene	enviroform			10.	ug/L		mmb
	Benzo(a)pyrene	enviroform			10.	ug/L		mmb
	Indeno(1,2,3-cd)pyrene	enviroform			10.	ug/L		mmb
	Dibenzo(a,h)anthracene	enviroform			10.	ug/L		mmb
	Benzo(ghi)perylene	enviroform			10.	ug/L		mmb
SW846 8260B	Volatile Organics							
	Chloromethane	enviro			10.0	ug/L		aml
	Vinyl chloride	enviro			10.0	ug/L		aml
	Bromomethane	enviro			10.0	ug/L		aml
	Chloroethane	enviro			10.0	ug/L		aml
	1,1-Dichloroethene	enviro			10.0	ug/L		aml
	Carbon disulfide	enviro			10.0	ug/L		aml
	Acetone	enviro			10.0	ug/L		aml
	Methylene chloride	enviro			10.0	ug/L		aml
	1,1-Dichloroethane	enviro			10.0	ug/L		aml
	Vinyl acetate	enviro			10.0	ug/L		aml
	2-Butanone (MEK)	enviro			10.0	ug/L		aml
	Chloroform	enviro			10.0	ug/L		aml
	1,1,1-Trichloroethane	enviro			10.0	ug/L		aml
	Carbon tetrachloride	enviro			10.0	ug/L		aml
	1,2-Dichloroethene (total)	enviro			10.0	ug/L		aml
	Benzene	enviro			10.0	ug/L		aml
	1,2-Dichloroethane	enviro			10.0	ug/L		aml
	Trichloroethene	enviro			10.0	ug/L		aml
	1,2-Dichloropropane	enviro			10.0	ug/L		aml
	Bromodichloromethane	enviro			10.0	ug/L		aml
	2-Chloroethylvinylether	enviro			10.0	ug/L		aml
	cis-1,3-Dichloropropene	enviro			10.0	ug/L		aml
	4-Methyl-2-pentanone (MIBK)	enviro			10.0	ug/L		aml
	Toluene	enviro			10.0	ug/L		aml
	trans-1,3-Dichloropropene	enviro			10.0	ug/L		aml
	1,1,2-Trichloroethane	enviro			10.0	ug/L		aml

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 231702 Date: 02/16/2004

CUSTOMER: STES - Glen Cove PROJECT: PELHAM BAY ATTN: Joe Covati

Customer Sample ID: MW 120
Date Sampled.....: 12/16/2003
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 231702-4
Date Received.....: 12/18/2003
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
	Tetrachloroethene	enviro			10.0	ug/L		aml
	2-Hexanone	enviro			10.0	ug/L		aml
	Dibromochloromethane	enviro			10.0	ug/L		aml
	Chlorobenzene	enviro			10.0	ug/L		aml
	Ethylbenzene	enviro			10.0	ug/L		aml
	Styrene	enviro			10.0	ug/L		aml
	Bromoform	enviro			10.0	ug/L		aml
	1,1,2,2-Tetrachloroethane	enviro			10.0	ug/L		aml
	Xylenes (total)	enviro			10.0	ug/L		aml
	1,3-Dichlorobenzene	enviro			10.0	ug/L		aml
	1,4-Dichlorobenzene	enviro			10.0	ug/L		aml
	1,2-Dichlorobenzene	enviro			10.0	ug/L		aml

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 231702

Date: 02/16/2004

CUSTOMER: STES - Glen Cove | PROJECT: PELHAM BAY | ATTN: Joe Covati

Customer Sample ID: MW 120B
Date Sampled.....: 12/16/2003
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 231702-5
Date Received.....: 12/18/2003
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 200.7	Acid Digestion (ICP)	Complete				Text	12/19/03	cmp
EPA 270.2	Selenium (Se)	200	U		200	ug/L	01/13/04	mwh
EPA 245.1	Mercury (Hg)	0.20	U		0.20	ug/L	12/22/03	lms
SM18 4500CNE	Cyanide, Total	0.0100	U		0.0100	mg/L	12/22/03	ne
SW846 8081A	Organochlorine Pesticide Analysis							
	alpha-BHC	0.052	U		0.052	ug/L	01/09/04	smo
	beta-BHC	0.052	U		0.052	ug/L	01/09/04	smo
	delta-BHC	0.052	U		0.052	ug/L	01/09/04	smo
	gamma-BHC (Lindane)	0.052	U		0.052	ug/L	01/09/04	smo
	Heptachlor	0.052	U		0.052	ug/L	01/09/04	smo
	Aldrin	0.052	U		0.052	ug/L	01/09/04	smo
	Heptachlor epoxide	0.052	U		0.052	ug/L	01/09/04	smo
	Endosulfan I	0.10	U		0.10	ug/L	01/09/04	smo
	Dieldrin	0.10	U		0.10	ug/L	01/09/04	smo
	4,4'-DDE	0.10	U		0.10	ug/L	01/09/04	smo
	Endrin	0.10	U		0.10	ug/L	01/09/04	smo
	Endosulfan II	0.10	U		0.10	ug/L	01/09/04	smo
	4,4'-DDD	0.10	U		0.10	ug/L	01/09/04	smo
	Endosulfan sulfate	0.10	U		0.10	ug/L	01/09/04	smo
	4,4'-DDT	0.10	U		0.10	ug/L	01/09/04	smo
	Methoxychlor	0.52	U		0.52	ug/L	01/09/04	smo
	Toxaphene	1.0	U		1.0	ug/L	01/09/04	smo
	Endrin aldehyde	0.10	U		0.10	ug/L	01/09/04	smo
	Technical Chlordane	0.52	U		0.52	ug/L	01/09/04	smo
SW846 6010B	Metals Analysis (ICAP)							
	Aluminum (Al)	1000	U		1000	ug/L	01/07/04	mad
	Antimony (Sb)	300	U		300	ug/L	01/07/04	mad
	Arsenic (As)	50.0	U		50.0	ug/L	01/07/04	mad
	Barium (Ba)	1000	U		1000	ug/L	01/07/04	mad
	Beryllium (Be)	25.0	U		25.0	ug/L	01/07/04	mad
	Cadmium (Cd)	25.0	U		25.0	ug/L	01/07/04	mad
	Calcium (Ca)	552000			25000	ug/L	01/07/04	mad
	Chromium (Cr)	50.0	U		50.0	ug/L	01/07/04	mad
	Cobalt (Co)	250	U		250	ug/L	01/07/04	mad
	Copper (Cu)	125	U		125	ug/L	01/07/04	mad
	Iron (Fe)	500	U		500	ug/L	01/07/04	mad
	Lead (Pb)	15.0	U		15.0	ug/L	01/07/04	mad
	Magnesium (Mg)	1120000			25000	ug/L	01/07/04	mad
	Manganese (Mn)	569			50.0	ug/L	01/07/04	mad
	Nickel (Ni)	200	U		200	ug/L	01/07/04	mad
	Potassium (K)	500000	U	E	500000	ug/L	01/09/04	mad
	Sodium (Na)	11500000		E	250000	ug/L	01/07/04	mad
	Silver (Ag)	50.0	U	N	50.0	ug/L	01/07/04	mad

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 231702 Date: 02/16/2004

CUSTOMER: STES - Glen Cove PROJECT: PELHAM BAY ATTN: Joe Covati

Customer Sample ID: MW 120B
Date Sampled.....: 12/16/2003
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 231702-5
Date Received.....: 12/18/2003
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
	Thallium (Tl)	50.0	U		50.0	ug/L	01/07/04	mad
	Vanadium (V)	250	U		250	ug/L	01/07/04	mad
	Zinc (Zn)	100	U		100	ug/L	01/07/04	mad
SW846 8270C	Semivolatile Organics							
	n-Nitrosodimethylamine	enviroform			10.	ug/L		mmb
	Phenol	enviroform			10.	ug/L		mmb
	Bis(2-chloroethyl)ether	enviroform			10.	ug/L		mmb
	1,3-Dichlorobenzene	enviroform			10.	ug/L		mmb
	1,4-Dichlorobenzene	enviroform			10.	ug/L		mmb
	1,2-Dichlorobenzene	enviroform			10.	ug/L		mmb
	Benzyl alcohol	enviroform			10.	ug/L		mmb
	2-Methylphenol (o-cresol)	enviroform			10.	ug/L		mmb
	2,2-oxybis (1-chloropropane)	enviroform			10.	ug/L		mmb
	n-Nitroso-di-n-propylamine	enviroform			10.	ug/L		mmb
	Hexachloroethane	enviroform			10.	ug/L		mmb
	4-Methylphenol (m/p-cresol)	enviroform			10.	ug/L		mmb
	2-Chlorophenol	enviroform			10.	ug/L		mmb
	Nitrobenzene	enviroform			10.	ug/L		mmb
	Bis(2-chloroethoxy)methane	enviroform			10.	ug/L		mmb
	1,2,4-Trichlorobenzene	enviroform			10.	ug/L		mmb
	Isophorone	enviroform			10.	ug/L		mmb
	2,4-Dimethylphenol	enviroform			10.	ug/L		mmb
	Hexachlorobutadiene	enviroform			10.	ug/L		mmb
	Naphthalene	enviroform			10.	ug/L		mmb
	2,4-Dichlorophenol	enviroform			10.	ug/L		mmb
	4-Chloroaniline	enviroform			10.	ug/L		mmb
	2,4,6-Trichlorophenol	enviroform			10.	ug/L		mmb
	2,4,5-Trichlorophenol	enviroform			50.	ug/L		mmb
	Hexachlorocyclopentadiene	enviroform			10.	ug/L		mmb
	2-Methylnaphthalene	enviroform			10.	ug/L		mmb
	2-Nitroaniline	enviroform			25.	ug/L		mmb
	2-Chloronaphthalene	enviroform			10.	ug/L		mmb
	4-Chloro-3-methylphenol	enviroform			10.	ug/L		mmb
	2,6-Dinitrotoluene	enviroform			10.	ug/L		mmb
	2-Nitrophenol	enviroform			10.	ug/L		mmb
	3-Nitroaniline	enviroform			25	ug/L		mmb
	Dimethyl phthalate	enviroform			10.	ug/L		mmb
	2,4-Dinitrophenol	enviroform			25	ug/L		mmb
	Acenaphthylene	enviroform			10.	ug/L		mmb
	2,4-Dinitrotoluene	enviroform			10.	ug/L		mmb
	Acenaphthene	enviroform			10.	ug/L		mmb
	Dibenzofuran	enviroform			10.	ug/L		mmb
	4-Nitrophenol	enviroform			25.	ug/L		mmb
	Fluorene	enviroform			10.	ug/L		mmb
	4-Nitroaniline	enviroform			25.	ug/L		mmb
	4-Bromophenyl phenyl ether	enviroform			10.	ug/L		mmb
	Hexachlorobenzene	enviroform			10.	ug/L		mmb
	Diethyl phthalate	enviroform			10.	ug/L		mmb

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 231702 Date: 02/16/2004

CUSTOMER: STES - Glen Cove PROJECT: PELHAM BAY ATTN: Joe Covati

Customer Sample ID: MW 120B
Date Sampled.....: 12/16/2003
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 231702-5
Date Received.....: 12/18/2003
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
	4-Chlorophenyl phenyl ether	enviroform			10.	ug/L		mmb
	Pentachlorophenol	enviroform			25.	ug/L		mmb
	n-Nitrosodiphenylamine	enviroform			10.	ug/L		mmb
	4,6-Dinitro-2-methylphenol	enviroform			25.	ug/L		mmb
	Phenanthrene	enviroform			10.	ug/L		mmb
	Anthracene	enviroform			10.	ug/L		mmb
	Di-n-butyl phthalate	enviroform			10.	ug/L		mmb
	Fluoranthene	enviroform			10.	ug/L		mmb
	Pyrene	enviroform			10.	ug/L		mmb
	Butyl benzyl phthalate	enviroform			10.	ug/L		mmb
	Benzo(a)anthracene	enviroform			10.	ug/L		mmb
	Chrysene	enviroform			10.	ug/L		mmb
	3,3-Dichlorobenzidine	enviroform			10.	ug/L		mmb
	Bis(2-ethylhexyl)phthalate	enviroform			10.	ug/L		mmb
	Di-n-octyl phthalate	enviroform			10.	ug/L		mmb
	Benzo(b)fluoranthene	enviroform			10.	ug/L		mmb
	Benzo(k)fluoranthene	enviroform			10.	ug/L		mmb
	Benzo(a)pyrene	enviroform			10.	ug/L		mmb
	Indeno(1,2,3-cd)pyrene	enviroform			10.	ug/L		mmb
	Dibenzo(a,h)anthracene	enviroform			10.	ug/L		mmb
	Benzo(ghi)perylene	enviroform			10.	ug/L		mmb
SW846 8260B	Volatile Organics							
	Chloromethane	enviro			10.0	ug/L		aml
	Vinyl chloride	enviro			10.0	ug/L		aml
	Bromomethane	enviro			10.0	ug/L		aml
	Chloroethane	enviro			10.0	ug/L		aml
	1,1-Dichloroethene	enviro			10.0	ug/L		aml
	Carbon disulfide	enviro			10.0	ug/L		aml
	Acetone	enviro			10.0	ug/L		aml
	Methylene chloride	enviro			10.0	ug/L		aml
	1,1-Dichloroethane	enviro			10.0	ug/L		aml
	Vinyl acetate	enviro			10.0	ug/L		aml
	2-Butanone (MEK)	enviro			10.0	ug/L		aml
	Chloroform	enviro			10.0	ug/L		aml
	1,1,1-Trichloroethane	enviro			10.0	ug/L		aml
	Carbon tetrachloride	enviro			10.0	ug/L		aml
	1,2-Dichloroethene (total)	enviro			10.0	ug/L		aml
	Benzene	enviro			10.0	ug/L		aml
	1,2-Dichloroethane	enviro			10.0	ug/L		aml
	Trichloroethene	enviro			10.0	ug/L		aml
	1,2-Dichloropropane	enviro			10.0	ug/L		aml
	Bromodichloromethane	enviro			10.0	ug/L		aml
	2-Chloroethylvinylether	enviro			10.0	ug/L		aml
	cis-1,3-Dichloropropene	enviro			10.0	ug/L		aml
	4-Methyl-2-pentanone (MIBK)	enviro			10.0	ug/L		aml
	Toluene	enviro			10.0	ug/L		aml
	trans-1,3-Dichloropropene	enviro			10.0	ug/L		aml
	1,1,2-Trichloroethane	enviro			10.0	ug/L		aml

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 231702 Date: 02/16/2004

CUSTOMER: STES - Glen Cove PROJECT: PELHAM BAY ATTN: Joe Covati

Customer Sample ID: MW 120B
Date Sampled.....: 12/16/2003
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 231702-5
Date Received.....: 12/18/2003
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
	Tetrachloroethene	enviro			10.0	ug/L		aml
	2-Hexanone	enviro			10.0	ug/L		aml
	Dibromochloromethane	enviro			10.0	ug/L		aml
	Chlorobenzene	enviro			10.0	ug/L		aml
	Ethylbenzene	enviro			10.0	ug/L		aml
	Styrene	enviro			10.0	ug/L		aml
	Bromoform	enviro			10.0	ug/L		aml
	1,1,2,2-Tetrachloroethane	enviro			10.0	ug/L		aml
	Xylenes (total)	enviro			10.0	ug/L		aml
	1,3-Dichlorobenzene	enviro			10.0	ug/L		aml
	1,4-Dichlorobenzene	enviro			10.0	ug/L		aml
	1,2-Dichlorobenzene	enviro			10.0	ug/L		aml

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 231702 Date: 02/16/2004

CUSTOMER: STES - Glen Cove PROJECT: PELHAM BAY ATTN: Joe Covati

Customer Sample ID: MW 121
Date Sampled.....: 12/16/2003
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 231702-6
Date Received.....: 12/18/2003
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 200.7	Acid Digestion (ICP)	Complete				Text	12/19/03	cmp
EPA 270.2	Selenium (Se)	25.0	U		25.0	ug/L	01/13/04	mwh
EPA 245.1	Mercury (Hg)	0.24			0.20	ug/L	12/22/03	lms
SM18 4500CNE	Cyanide, Total	0.0100	U		0.0100	mg/L	12/22/03	ne
SW846 8081A	Organochlorine Pesticide Analysis							
	alpha-BHC	0.050	U		0.050	ug/L	01/09/04	smo
	beta-BHC	0.050	U		0.050	ug/L	01/09/04	smo
	delta-BHC	0.050	U		0.050	ug/L	01/09/04	smo
	gamma-BHC (Lindane)	0.050	U		0.050	ug/L	01/09/04	smo
	Heptachlor	0.050	U		0.050	ug/L	01/09/04	smo
	Aldrin	0.050	U		0.050	ug/L	01/09/04	smo
	Heptachlor epoxide	0.050	U		0.050	ug/L	01/09/04	smo
	Endosulfan I	0.10	U		0.10	ug/L	01/09/04	smo
	Dieldrin	0.10	U		0.10	ug/L	01/09/04	smo
	4,4'-DDE	0.10	U		0.10	ug/L	01/09/04	smo
	Endrin	0.10	U		0.10	ug/L	01/09/04	smo
	Endosulfan II	0.10	U		0.10	ug/L	01/09/04	smo
	4,4'-DDD	0.10	U		0.10	ug/L	01/09/04	smo
	Endosulfan sulfate	0.10	U		0.10	ug/L	01/09/04	smo
	4,4'-DDT	0.10	U		0.10	ug/L	01/09/04	smo
	Methoxychlor	0.50	U		0.50	ug/L	01/09/04	smo
	Toxaphene	1.0	U		1.0	ug/L	01/09/04	smo
	Endrin aldehyde	0.10	U		0.10	ug/L	01/09/04	smo
	Technical Chlordane	0.50	U		0.50	ug/L	01/09/04	smo
SW846 6010B	Metals Analysis (ICAP)							
	Aluminum (Al)	8650			1000	ug/L	01/07/04	mad
	Antimony (Sb)	300	U		300	ug/L	01/07/04	mad
	Arsenic (As)	50.0	U		50.0	ug/L	01/07/04	mad
	Barium (Ba)	1000	U		1000	ug/L	01/07/04	mad
	Beryllium (Be)	25.0	U		25.0	ug/L	01/07/04	mad
	Cadmium (Cd)	25.0	U		25.0	ug/L	01/07/04	mad
	Calcium (Ca)	53000			25000	ug/L	01/07/04	mad
	Chromium (Cr)	50.0	U		50.0	ug/L	01/07/04	mad
	Cobalt (Co)	250	U		250	ug/L	01/07/04	mad
	Copper (Cu)	125	U		125	ug/L	01/07/04	mad
	Iron (Fe)	13600			500	ug/L	01/07/04	mad
	Lead (Pb)	112			15.0	ug/L	01/07/04	mad
	Magnesium (Mg)	25000	U		25000	ug/L	01/07/04	mad
	Manganese (Mn)	340			50.0	ug/L	01/07/04	mad
	Nickel (Ni)	200	U		200	ug/L	01/07/04	mad
	Potassium (K)	25000	U	E	25000	ug/L	01/09/04	mad
	Sodium (Na)	138000		E	25000	ug/L	01/07/04	mad
	Silver (Ag)	50.0	U	N	50.0	ug/L	01/07/04	mad

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 231702 Date: 02/16/2004

CUSTOMER: STES - Glen Cove PROJECT: PELHAM BAY ATTN: Joe Covati

Customer Sample ID: MW 121
Date Sampled.....: 12/16/2003
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 231702-6
Date Received.....: 12/18/2003
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
	Thallium (Tl)	50.0	U		50.0	ug/L	01/07/04	mad
	Vanadium (V)	250	U		250	ug/L	01/07/04	mad
	Zinc (Zn)	159			100	ug/L	01/07/04	mad
SW846 8270C	Semivolatile Organics							
	n-Nitrosodimethylamine	enviroform			10.	ug/L		mmb
	Phenol	enviroform			10.	ug/L		mmb
	Bis(2-chloroethyl)ether	enviroform			10.	ug/L		mmb
	1,3-Dichlorobenzene	enviroform			10.	ug/L		mmb
	1,4-Dichlorobenzene	enviroform			10.	ug/L		mmb
	1,2-Dichlorobenzene	enviroform			10.	ug/L		mmb
	Benzyl alcohol	enviroform			10.	ug/L		mmb
	2-Methylphenol (o-cresol)	enviroform			10.	ug/L		mmb
	2,2-oxybis (1-chloropropane)	enviroform			10.	ug/L		mmb
	n-Nitroso-di-n-propylamine	enviroform			10.	ug/L		mmb
	Hexachloroethane	enviroform			10.	ug/L		mmb
	4-Methylphenol (m/p-cresol)	enviroform			10.	ug/L		mmb
	2-Chlorophenol	enviroform			10.	ug/L		mmb
	Nitrobenzene	enviroform			10.	ug/L		mmb
	Bis(2-chloroethoxy)methane	enviroform			10.	ug/L		mmb
	1,2,4-Trichlorobenzene	enviroform			10.	ug/L		mmb
	Isophorone	enviroform			10.	ug/L		mmb
	2,4-Dimethylphenol	enviroform			10.	ug/L		mmb
	Hexachlorobutadiene	enviroform			10.	ug/L		mmb
	Naphthalene	enviroform			10.	ug/L		mmb
	2,4-Dichlorophenol	enviroform			10.	ug/L		mmb
	4-Chloroaniline	enviroform			10.	ug/L		mmb
	2,4,6-Trichlorophenol	enviroform			10.	ug/L		mmb
	2,4,5-Trichlorophenol	enviroform			50.	ug/L		mmb
	Hexachlorocyclopentadiene	enviroform			10.	ug/L		mmb
	2-Methylnaphthalene	enviroform			10.	ug/L		mmb
	2-Nitroaniline	enviroform			25.	ug/L		mmb
	2-Chloronaphthalene	enviroform			10.	ug/L		mmb
	4-Chloro-3-methylphenol	enviroform			10.	ug/L		mmb
	2,6-Dinitrotoluene	enviroform			10.	ug/L		mmb
	2-Nitrophenol	enviroform			10.	ug/L		mmb
	3-Nitroaniline	enviroform			25	ug/L		mmb
	Dimethyl phthalate	enviroform			10.	ug/L		mmb
	2,4-Dinitrophenol	enviroform			25	ug/L		mmb
	Acenaphthylene	enviroform			10.	ug/L		mmb
	2,4-Dinitrotoluene	enviroform			10.	ug/L		mmb
	Acenaphthene	enviroform			10.	ug/L		mmb
	Dibenzofuran	enviroform			10.	ug/L		mmb
	4-Nitrophenol	enviroform			25.	ug/L		mmb
	Fluorene	enviroform			10.	ug/L		mmb
	4-Nitroaniline	enviroform			25.	ug/L		mmb
	4-Bromophenyl phenyl ether	enviroform			10.	ug/L		mmb
	Hexachlorobenzene	enviroform			10.	ug/L		mmb
	Diethyl phthalate	enviroform			10.	ug/L		mmb

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 231702 Date: 02/16/2004

CUSTOMER: STES - Glen Cove PROJECT: PELHAM BAY ATTN: Joe Covati

Customer Sample ID: MW 121
Date Sampled.....: 12/16/2003
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 231702-6
Date Received.....: 12/18/2003
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
	4-Chlorophenyl phenyl ether	enviroform			10.	ug/L		mmb
	Pentachlorophenol	enviroform			25.	ug/L		mmb
	n-Nitrosodiphenylamine	enviroform			10.	ug/L		mmb
	4,6-Dinitro-2-methylphenol	enviroform			25.	ug/L		mmb
	Phenanthrene	enviroform			10.	ug/L		mmb
	Anthracene	enviroform			10.	ug/L		mmb
	Di-n-butyl phthalate	enviroform			10.	ug/L		mmb
	Fluoranthene	enviroform			10.	ug/L		mmb
	Pyrene	enviroform			10.	ug/L		mmb
	Butyl benzyl phthalate	enviroform			10.	ug/L		mmb
	Benzo(a)anthracene	enviroform			10.	ug/L		mmb
	Chrysene	enviroform			10.	ug/L		mmb
	3,3-Dichlorobenzidine	enviroform			10.	ug/L		mmb
	Bis(2-ethylhexyl)phthalate	enviroform			10.	ug/L		mmb
	Di-n-octyl phthalate	enviroform			10.	ug/L		mmb
	Benzo(b)fluoranthene	enviroform			10.	ug/L		mmb
	Benzo(k)fluoranthene	enviroform			10.	ug/L		mmb
	Benzo(a)pyrene	enviroform			10.	ug/L		mmb
	Indeno(1,2,3-cd)pyrene	enviroform			10.	ug/L		mmb
	Dibenzo(a,h)anthracene	enviroform			10.	ug/L		mmb
	Benzo(ghi)perylene	enviroform			10.	ug/L		mmb
SW846 8260B	Volatile Organics							
	Chloromethane	enviro			10.0	ug/L		aml
	Vinyl chloride	enviro			10.0	ug/L		aml
	Bromomethane	enviro			10.0	ug/L		aml
	Chloroethane	enviro			10.0	ug/L		aml
	1,1-Dichloroethene	enviro			10.0	ug/L		aml
	Carbon disulfide	enviro			10.0	ug/L		aml
	Acetone	enviro			10.0	ug/L		aml
	Methylene chloride	enviro			10.0	ug/L		aml
	1,1-Dichloroethane	enviro			10.0	ug/L		aml
	Vinyl acetate	enviro			10.0	ug/L		aml
	2-Butanone (MEK)	enviro			10.0	ug/L		aml
	Chloroform	enviro			10.0	ug/L		aml
	1,1,1-Trichloroethane	enviro			10.0	ug/L		aml
	Carbon tetrachloride	enviro			10.0	ug/L		aml
	1,2-Dichloroethene (total)	enviro			10.0	ug/L		aml
	Benzene	enviro			10.0	ug/L		aml
	1,2-Dichloroethane	enviro			10.0	ug/L		aml
	Trichloroethene	enviro			10.0	ug/L		aml
	1,2-Dichloropropane	enviro			10.0	ug/L		aml
	Bromodichloromethane	enviro			10.0	ug/L		aml
	2-Chloroethylvinylether	enviro			10.0	ug/L		aml
	cis-1,3-Dichloropropene	enviro			10.0	ug/L		aml
	4-Methyl-2-pentanone (MIBK)	enviro			10.0	ug/L		aml
	Toluene	enviro			10.0	ug/L		aml
	trans-1,3-Dichloropropene	enviro			10.0	ug/L		aml
	1,1,2-Trichloroethane	enviro			10.0	ug/L		aml

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 231702 Date: 02/16/2004

CUSTOMER: STES - Glen Cove PROJECT: PELHAM BAY ATTN: Joe Covati

Customer Sample ID: MW 121
Date Sampled.....: 12/16/2003
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 231702-6
Date Received.....: 12/18/2003
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
	Tetrachloroethene	enviro			10.0	ug/L		aml
	2-Hexanone	enviro			10.0	ug/L		aml
	Dibromochloromethane	enviro			10.0	ug/L		aml
	Chlorobenzene	enviro			10.0	ug/L		aml
	Ethylbenzene	enviro			10.0	ug/L		aml
	Styrene	enviro			10.0	ug/L		aml
	Bromoform	enviro			10.0	ug/L		aml
	1,1,2,2-Tetrachloroethane	enviro			10.0	ug/L		aml
	Xylenes (total)	enviro			10.0	ug/L		aml
	1,3-Dichlorobenzene	enviro			10.0	ug/L		aml
	1,4-Dichlorobenzene	enviro			10.0	ug/L		aml
	1,2-Dichlorobenzene	enviro			10.0	ug/L		aml

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 231702

Date: 02/16/2004

CUSTOMER: STES - Glen Cove | PROJECT: PELHAM BAY | ATTN: Joe Covati

Customer Sample ID: MW 122
Date Sampled.....: 12/16/2003
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 231702-7
Date Received.....: 12/18/2003
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 200.7	Acid Digestion (ICP)	Complete				Text	12/19/03	cmp
EPA 270.2	Selenium (Se)	100	U		100	ug/L	01/13/04	mwh
EPA 245.1	Mercury (Hg)	0.20	U		0.20	ug/L	12/22/03	lms
SM18 4500CNE	Cyanide, Total	0.0100	U		0.0100	mg/L	12/22/03	ne
SW846 8081A	Organochlorine Pesticide Analysis							
	alpha-BHC	0.052	U		0.052	ug/L	01/09/04	smo
	beta-BHC	0.052	U		0.052	ug/L	01/09/04	smo
	delta-BHC	0.052	U		0.052	ug/L	01/09/04	smo
	gamma-BHC (Lindane)	0.052	U		0.052	ug/L	01/09/04	smo
	Heptachlor	0.052	U		0.052	ug/L	01/09/04	smo
	Aldrin	0.052	U		0.052	ug/L	01/09/04	smo
	Heptachlor epoxide	0.052	U		0.052	ug/L	01/09/04	smo
	Endosulfan I	0.10	U		0.10	ug/L	01/09/04	smo
	Dieldrin	0.10	U		0.10	ug/L	01/09/04	smo
	4,4'-DDE	0.10	U		0.10	ug/L	01/09/04	smo
	Endrin	0.10	U		0.10	ug/L	01/09/04	smo
	Endosulfan II	0.10	U		0.10	ug/L	01/09/04	smo
	4,4'-DDD	0.10	U		0.10	ug/L	01/09/04	smo
	Endosulfan sulfate	0.10	U		0.10	ug/L	01/09/04	smo
	4,4'-DDT	0.10	U		0.10	ug/L	01/09/04	smo
	Methoxychlor	0.52	U		0.52	ug/L	01/09/04	smo
	Toxaphene	1.0	U		1.0	ug/L	01/09/04	smo
	Endrin aldehyde	0.10	U		0.10	ug/L	01/09/04	smo
	Technical Chlordane	0.52	U		0.52	ug/L	01/09/04	smo
SW846 6010B	Metals Analysis (ICAP)							
	Aluminum (Al)	1000	U		1000	ug/L	01/07/04	mad
	Antimony (Sb)	300	U		300	ug/L	01/07/04	mad
	Arsenic (As)	50.0	U		50.0	ug/L	01/07/04	mad
	Barium (Ba)	2390			1000	ug/L	01/07/04	mad
	Beryllium (Be)	25.0	U		25.0	ug/L	01/07/04	mad
	Cadmium (Cd)	25.0	U		25.0	ug/L	01/07/04	mad
	Calcium (Ca)	81300			25000	ug/L	01/07/04	mad
	Chromium (Cr)	55.6			50.0	ug/L	01/07/04	mad
	Cobalt (Co)	250	U		250	ug/L	01/07/04	mad
	Copper (Cu)	125	U		125	ug/L	01/07/04	mad
	Iron (Fe)	19100			500	ug/L	01/07/04	mad
	Lead (Pb)	15.0	U		15.0	ug/L	01/07/04	mad
	Magnesium (Mg)	308000			25000	ug/L	01/07/04	mad
	Manganese (Mn)	50.0	U		50.0	ug/L	01/07/04	mad
	Nickel (Ni)	870			200	ug/L	01/07/04	mad
	Potassium (K)	307000		E	125000	ug/L	01/09/04	mad
	Sodium (Na)	1790000		E	250000	ug/L	01/07/04	mad
	Silver (Ag)	50.0	U	N	50.0	ug/L	01/07/04	mad

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 231702 Date: 02/16/2004

CUSTOMER: STES - Glen Cove PROJECT: PELHAM BAY ATTN: Joe Covati

Customer Sample ID: MW 122
Date Sampled.....: 12/16/2003
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 231702-7
Date Received.....: 12/18/2003
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
	Thallium (Tl)	50.0	U		50.0	ug/L	01/07/04	mad
	Vanadium (V)	250	U		250	ug/L	01/07/04	mad
	Zinc (Zn)	100	U		100	ug/L	01/07/04	mad
SW846 8270C	Semivolatile Organics							
	n-Nitrosodimethylamine	enviroform			10.	ug/L		mmb
	Phenol	enviroform			10.	ug/L		mmb
	Bis(2-chloroethyl)ether	enviroform			10.	ug/L		mmb
	1,3-Dichlorobenzene	enviroform			10.	ug/L		mmb
	1,4-Dichlorobenzene	enviroform			10.	ug/L		mmb
	1,2-Dichlorobenzene	enviroform			10.	ug/L		mmb
	Benzyl alcohol	enviroform			10.	ug/L		mmb
	2-Methylphenol (o-cresol)	enviroform			10.	ug/L		mmb
	2,2-oxybis (1-chloropropane)	enviroform			10.	ug/L		mmb
	n-Nitroso-di-n-propylamine	enviroform			10.	ug/L		mmb
	Hexachloroethane	enviroform			10.	ug/L		mmb
	4-Methylphenol (m/p-cresol)	enviroform			10.	ug/L		mmb
	2-Chlorophenol	enviroform			10.	ug/L		mmb
	Nitrobenzene	enviroform			10.	ug/L		mmb
	Bis(2-chloroethoxy)methane	enviroform			10.	ug/L		mmb
	1,2,4-Trichlorobenzene	enviroform			10.	ug/L		mmb
	Isophorone	enviroform			10.	ug/L		mmb
	2,4-Dimethylphenol	enviroform			10.	ug/L		mmb
	Hexachlorobutadiene	enviroform			10.	ug/L		mmb
	Naphthalene	enviroform			10.	ug/L		mmb
	2,4-Dichlorophenol	enviroform			10.	ug/L		mmb
	4-Chloroaniline	enviroform			10.	ug/L		mmb
	2,4,6-Trichlorophenol	enviroform			10.	ug/L		mmb
	2,4,5-Trichlorophenol	enviroform			50.	ug/L		mmb
	Hexachlorocyclopentadiene	enviroform			10.	ug/L		mmb
	2-Methylnaphthalene	enviroform			10.	ug/L		mmb
	2-Nitroaniline	enviroform			25.	ug/L		mmb
	2-Chloronaphthalene	enviroform			10.	ug/L		mmb
	4-Chloro-3-methylphenol	enviroform			10.	ug/L		mmb
	2,6-Dinitrotoluene	enviroform			10.	ug/L		mmb
	2-Nitrophenol	enviroform			10.	ug/L		mmb
	3-Nitroaniline	enviroform			25	ug/L		mmb
	Dimethyl phthalate	enviroform			10.	ug/L		mmb
	2,4-Dinitrophenol	enviroform			25	ug/L		mmb
	Acenaphthylene	enviroform			10.	ug/L		mmb
	2,4-Dinitrotoluene	enviroform			10.	ug/L		mmb
	Acenaphthene	enviroform			10.	ug/L		mmb
	Dibenzofuran	enviroform			10.	ug/L		mmb
	4-Nitrophenol	enviroform			25.	ug/L		mmb
	Fluorene	enviroform			10.	ug/L		mmb
	4-Nitroaniline	enviroform			25.	ug/L		mmb
	4-Bromophenyl phenyl ether	enviroform			10.	ug/L		mmb
	Hexachlorobenzene	enviroform			10.	ug/L		mmb
	Diethyl phthalate	enviroform			10.	ug/L		mmb

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 231702 Date: 02/16/2004

CUSTOMER: STES - Glen Cove PROJECT: PELHAM BAY ATTN: Joe Covati

Customer Sample ID: MW 122
Date Sampled.....: 12/16/2003
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 231702-7
Date Received.....: 12/18/2003
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
	4-Chlorophenyl phenyl ether	enviroform			10.	ug/L		mmb
	Pentachlorophenol	enviroform			25.	ug/L		mmb
	n-Nitrosodiphenylamine	enviroform			10.	ug/L		mmb
	4,6-Dinitro-2-methylphenol	enviroform			25.	ug/L		mmb
	Phenanthrene	enviroform			10.	ug/L		mmb
	Anthracene	enviroform			10.	ug/L		mmb
	Di-n-butyl phthalate	enviroform			10.	ug/L		mmb
	Fluoranthene	enviroform			10.	ug/L		mmb
	Pyrene	enviroform			10.	ug/L		mmb
	Butyl benzyl phthalate	enviroform			10.	ug/L		mmb
	Benzo(a)anthracene	enviroform			10.	ug/L		mmb
	Chrysene	enviroform			10.	ug/L		mmb
	3,3-Dichlorobenzidine	enviroform			10.	ug/L		mmb
	Bis(2-ethylhexyl)phthalate	enviroform			10.	ug/L		mmb
	Di-n-octyl phthalate	enviroform			10.	ug/L		mmb
	Benzo(b)fluoranthene	enviroform			10.	ug/L		mmb
	Benzo(k)fluoranthene	enviroform			10.	ug/L		mmb
	Benzo(a)pyrene	enviroform			10.	ug/L		mmb
	Indeno(1,2,3-cd)pyrene	enviroform			10.	ug/L		mmb
	Dibenzo(a,h)anthracene	enviroform			10.	ug/L		mmb
	Benzo(ghi)perylene	enviroform			10.	ug/L		mmb
SW846 8260B	Volatile Organics							
	Chloromethane	enviro			10.0	ug/L		aml
	Vinyl chloride	enviro			10.0	ug/L		aml
	Bromomethane	enviro			10.0	ug/L		aml
	Chloroethane	enviro			10.0	ug/L		aml
	1,1-Dichloroethene	enviro			10.0	ug/L		aml
	Carbon disulfide	enviro			10.0	ug/L		aml
	Acetone	enviro			10.0	ug/L		aml
	Methylene chloride	enviro			10.0	ug/L		aml
	1,1-Dichloroethane	enviro			10.0	ug/L		aml
	Vinyl acetate	enviro			10.0	ug/L		aml
	2-Butanone (MEK)	enviro			10.0	ug/L		aml
	Chloroform	enviro			10.0	ug/L		aml
	1,1,1-Trichloroethane	enviro			10.0	ug/L		aml
	Carbon tetrachloride	enviro			10.0	ug/L		aml
	1,2-Dichloroethene (total)	enviro			10.0	ug/L		aml
	Benzene	enviro			10.0	ug/L		aml
	1,2-Dichloroethane	enviro			10.0	ug/L		aml
	Trichloroethene	enviro			10.0	ug/L		aml
	1,2-Dichloropropane	enviro			10.0	ug/L		aml
	Bromodichloromethane	enviro			10.0	ug/L		aml
	2-Chloroethylvinylether	enviro			10.0	ug/L		aml
	cis-1,3-Dichloropropene	enviro			10.0	ug/L		aml
	4-Methyl-2-pentanone (MIBK)	enviro			10.0	ug/L		aml
	Toluene	enviro			10.0	ug/L		aml
	trans-1,3-Dichloropropene	enviro			10.0	ug/L		aml
	1,1,2-Trichloroethane	enviro			10.0	ug/L		aml

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 231702 Date: 02/16/2004

CUSTOMER: STES - Glen Cove PROJECT: PELHAM BAY ATTN: Joe Covati

Customer Sample ID: MW 122
Date Sampled.....: 12/16/2003
Time Sampled.....: 00:00
Sample Matrix.....: Water

Laboratory Sample ID: 231702-7
Date Received.....: 12/18/2003
Time Received.....: 10:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
	Tetrachloroethene	enviro			10.0	ug/L		aml
	2-Hexanone	enviro			10.0	ug/L		aml
	Dibromochloromethane	enviro			10.0	ug/L		aml
	Chlorobenzene	enviro			10.0	ug/L		aml
	Ethylbenzene	enviro			10.0	ug/L		aml
	Styrene	enviro			10.0	ug/L		aml
	Bromoform	enviro			10.0	ug/L		aml
	1,1,2,2-Tetrachloroethane	enviro			10.0	ug/L		aml
	Xylenes (total)	enviro			10.0	ug/L		aml
	1,3-Dichlorobenzene	enviro			10.0	ug/L		aml
	1,4-Dichlorobenzene	enviro			10.0	ug/L		aml
	1,2-Dichlorobenzene	enviro			10.0	ug/L		aml

* In Description = Dry Wgt.

LABORATORY CHRONICLE

Job Number: 231702

Date: 02/16/2004

CUSTOMER: STES - Glen Cove | PROJECT: PELHAM BAY | ATTN: Joe Covati

Lab ID: 231702-1 Client ID: MW 104 Date Recvd: 12/18/2003 Sample Date: 12/16/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
SW846 5030(5mL	5030 5 mL Purge Prep	1	59646		12/29/2003	1200	
EPA 200.7	Acid Digestion,Total Recoverable(ICAP)	1	59238		12/19/2003	1000	
SM18 4500CNE	Cyanide, Total	1	59501		12/22/2003	0000	
SW846 3510C	Extraction Sep. Funnel (Chlor.Pest)	1	59790		12/23/2003	1200	
SW846 3510C	Extraction Sep. Funnel (SVOC)	1	59780		12/23/2003	1200	
EPA 245.1	Mercury (CVAA)	1	59458		12/22/2003	1427	
SW846 6010B	Metals Analysis (ICAP)	1	60313	59238	01/07/2004	1635	5.000
SW846 6010B	Metals Analysis (ICAP)	1	60313	59238	01/07/2004	1639	50.00
SW846 6010B	Metals Analysis (ICAP)	1	60475	59238	01/09/2004	1627	100.0
SW846 8081A	Organochlorine Pesticide Analysis	1	60693		01/09/2004	0000	
QA Services	Quality Assurance Services	1	60584				
QA Services	Quality Assurance Services	1	59571		12/26/2003	0000	
QA Services	Quality Assurance Services	1	60690		01/14/2004	0000	
QA Services	Quality Assurance Services	1	60906		01/16/2004	0000	
EPA 270.2	Selenium (GFAA)	1	60773	59238	01/13/2004	1737	40
SW846 8270C	Semivolatile Organics	1	60583				
SW846 8260B	Volatile Organics	1	59573		12/26/2003	0000	

Lab ID: 231702-2 Client ID: MW 109 Date Recvd: 12/18/2003 Sample Date: 12/16/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
SW846 5030(5mL	5030 5 mL Purge Prep	1	59646		12/29/2003	1200	
EPA 200.7	Acid Digestion,Total Recoverable(ICAP)	1	59238		12/19/2003	1000	
SM18 4500CNE	Cyanide, Total	1	59501		12/22/2003	0000	
SW846 3510C	Extraction Sep. Funnel (Chlor.Pest)	1	59790		12/23/2003	1200	
SW846 3510C	Extraction Sep. Funnel (SVOC)	1	59780		12/23/2003	1200	
EPA 245.1	Mercury (CVAA)	1	59458		12/22/2003	1429	
SW846 6010B	Metals Analysis (ICAP)	1	60313	59238	01/07/2004	1644	5.000
SW846 6010B	Metals Analysis (ICAP)	1	60475	59238	01/09/2004	1631	5.000
SW846 8081A	Organochlorine Pesticide Analysis	1	60693		01/09/2004	0000	
QA Services	Quality Assurance Services	1	59571				
QA Services	Quality Assurance Services	1	60584				
QA Services	Quality Assurance Services	1	60690				
QA Services	Quality Assurance Services	1	60906				
EPA 270.2	Selenium (GFAA)	1	60773	59238	01/13/2004	1756	5
SW846 8270C	Semivolatile Organics	1	60583				
SW846 8260B	Volatile Organics	1	59573				

Lab ID: 231702-3 Client ID: MW 119 Date Recvd: 12/18/2003 Sample Date: 12/16/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
SW846 5030(5mL	5030 5 mL Purge Prep	1	59646		12/29/2003	1200	
EPA 200.7	Acid Digestion,Total Recoverable(ICAP)	1	59238		12/19/2003	1000	
SM18 4500CNE	Cyanide, Total	1	59501		12/22/2003	0000	
SW846 3510C	Extraction Sep. Funnel (Chlor.Pest)	1	59790		12/23/2003	1200	
SW846 3510C	Extraction Sep. Funnel (SVOC)	1	59780		12/23/2003	1200	
EPA 245.1	Mercury (CVAA)	1	59458		12/22/2003	1431	
SW846 6010B	Metals Analysis (ICAP)	1	60313	59238	01/07/2004	1648	5.000
SW846 6010B	Metals Analysis (ICAP)	1	60313	59238	01/07/2004	1652	50.00
SW846 6010B	Metals Analysis (ICAP)	1	60475	59238	01/09/2004	1635	100.0
SW846 8081A	Organochlorine Pesticide Analysis	1	60693		01/09/2004	0000	
QA Services	Quality Assurance Services	1	59571				
QA Services	Quality Assurance Services	1	60584				
QA Services	Quality Assurance Services	1	60690				
QA Services	Quality Assurance Services	1	60906				
EPA 270.2	Selenium (GFAA)	1	60773	59238	01/13/2004	1806	40
SW846 8270C	Semivolatile Organics	1	60583				

LABORATORY CHRONICLE

Job Number: 231702 Date: 02/16/2004

CUSTOMER: STES - Glen Cove PROJECT: PELHAM BAY ATTN: Joe Covati

Lab ID: 231702-3 Client ID: MW 119 Date Recvd: 12/18/2003 Sample Date: 12/16/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)	DATE/TIME ANALYZED		DILUTION
SW846 8260B	Volatile Organics	1	59573				

Lab ID: 231702-4 Client ID: MW 120 Date Recvd: 12/18/2003 Sample Date: 12/16/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)	DATE/TIME ANALYZED		DILUTION
SW846 5030(5mL	5030 5 mL Purge Prep	1	59646		12/29/2003	1200	
EPA 200.7	Acid Digestion,Total Recoverable(ICAP)	1	59238		12/19/2003	1000	
SM18 4500CNE	Cyanide, Total	1	59501		12/22/2003	0000	
SW846 3510C	Extraction Sep. Funnel (Chlor.Pest)	1	59790		12/23/2003	1200	
SW846 3510C	Extraction Sep. Funnel (SVOC)	1	59780		12/23/2003	1200	
EPA 245.1	Mercury (CVAA)	1	59458		12/22/2003	1433	
SW846 6010B	Metals Analysis (ICAP)	1	60313	59238	01/07/2004	1657	5.000
SW846 6010B	Metals Analysis (ICAP)	1	60313	59238	01/07/2004	1741	50.00
SW846 6010B	Metals Analysis (ICAP)	1	60475	59238	01/09/2004	1639	50.00
SW846 8081A	Organochlorine Pesticide Analysis	1	60693		01/09/2004	0000	
QA Services	Quality Assurance Services	1	59571				
QA Services	Quality Assurance Services	1	60584				
QA Services	Quality Assurance Services	1	60690				
QA Services	Quality Assurance Services	1	60906				
EPA 270.2	Selenium (GFAA)	1	60773	59238	01/13/2004	1816	40
SW846 8270C	Semivolatile Organics	1	60583				
SW846 8260B	Volatile Organics	1	59573				

Lab ID: 231702-5 Client ID: MW 120B Date Recvd: 12/18/2003 Sample Date: 12/16/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)	DATE/TIME ANALYZED		DILUTION
SW846 5030(5mL	5030 5 mL Purge Prep	1	59646		12/29/2003	1200	
EPA 200.7	Acid Digestion,Total Recoverable(ICAP)	1	59238		12/19/2003	1000	
SM18 4500CNE	Cyanide, Total	1	59501		12/22/2003	0000	
SW846 3510C	Extraction Sep. Funnel (Chlor.Pest)	1	59790		12/23/2003	1200	
SW846 3510C	Extraction Sep. Funnel (SVOC)	1	59780		12/23/2003	1200	
EPA 245.1	Mercury (CVAA)	1	59458		12/22/2003	1435	
SW846 6010B	Metals Analysis (ICAP)	1	60313	59238	01/07/2004	1816	5.000
SW846 6010B	Metals Analysis (ICAP)	1	60313	59238	01/07/2004	1820	50.00
SW846 6010B	Metals Analysis (ICAP)	1	60475	59238	01/09/2004	1712	100.0
SW846 8081A	Organochlorine Pesticide Analysis	1	60693		01/09/2004	0000	
QA Services	Quality Assurance Services	1	59571				
QA Services	Quality Assurance Services	1	60584				
QA Services	Quality Assurance Services	1	60690				
QA Services	Quality Assurance Services	1	60906				
EPA 270.2	Selenium (GFAA)	1	60773	59238	01/13/2004	1856	40
SW846 8270C	Semivolatile Organics	1	60583				
SW846 8260B	Volatile Organics	1	59573				

Lab ID: 231702-6 Client ID: MW 121 Date Recvd: 12/18/2003 Sample Date: 12/16/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)	DATE/TIME ANALYZED		DILUTION
SW846 5030(5mL	5030 5 mL Purge Prep	1	59646		12/29/2003	1200	
EPA 200.7	Acid Digestion,Total Recoverable(ICAP)	1	59238		12/19/2003	1000	
SM18 4500CNE	Cyanide, Total	1	59501		12/22/2003	0000	
SW846 3510C	Extraction Sep. Funnel (Chlor.Pest)	1	59790		12/23/2003	1200	
SW846 3510C	Extraction Sep. Funnel (SVOC)	1	59780		12/23/2003	1200	
EPA 245.1	Mercury (CVAA)	1	59458		12/22/2003	1437	
SW846 6010B	Metals Analysis (ICAP)	1	60313	59238	01/07/2004	1824	5.000
SW846 6010B	Metals Analysis (ICAP)	1	60475	59238	01/09/2004	1716	5.000
SW846 8081A	Organochlorine Pesticide Analysis	1	60693		01/09/2004	0000	
QA Services	Quality Assurance Services	1	59571				
QA Services	Quality Assurance Services	1	60584				

LABORATORY CHRONICLE

Job Number: 231702 Date: 02/16/2004

CUSTOMER: STES - Glen Cove PROJECT: PELHAM BAY ATTN: Joe Covati

Lab ID: 231702-6 Client ID: MW 121 Date Recvd: 12/18/2003 Sample Date: 12/16/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)	DATE/TIME ANALYZED		DILUTION
QA Services	Quality Assurance Services	1	60690				
QA Services	Quality Assurance Services	1	60906				
EPA 270.2	Selenium (GFAA)	1	60773	59238	01/13/2004	1906	5
SW846 8270C	Semivolatile Organics	1	60583				
SW846 8260B	Volatile Organics	1	59573				

Lab ID: 231702-7 Client ID: MW 122 Date Recvd: 12/18/2003 Sample Date: 12/16/2003

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)	DATE/TIME ANALYZED		DILUTION
SW846 5030(5mL	5030 5 mL Purge Prep	1	59646		12/29/2003	1200	
EPA 200.7	Acid Digestion,Total Recoverable(ICAP)	1	59238		12/19/2003	1000	
SM18 4500CNE	Cyanide, Total	1	59501		12/22/2003	0000	
SW846 3510C	Extraction Sep. Funnel (Chlor.Pest)	1	59790		12/23/2003	1200	
SW846 3510C	Extraction Sep. Funnel (SVOC)	1	59780		12/23/2003	1200	
EPA 245.1	Mercury (CVAA)	1	59458		12/22/2003	1443	
SW846 6010B	Metals Analysis (ICAP)	1	60313	59238	01/07/2004	1829	5.000
SW846 6010B	Metals Analysis (ICAP)	1	60313	59238	01/07/2004	1833	50.00
SW846 6010B	Metals Analysis (ICAP)	1	60475	59238	01/09/2004	1720	25.00
SW846 8081A	Organochlorine Pesticide Analysis	1	60693		01/09/2004	0000	
QA Services	Quality Assurance Services	1	59571				
QA Services	Quality Assurance Services	1	60584				
QA Services	Quality Assurance Services	1	60690				
QA Services	Quality Assurance Services	1	60906				
EPA 270.2	Selenium (GFAA)	1	60773	59238	01/13/2004	1916	20
SW846 8270C	Semivolatile Organics	1	60583				
SW846 8260B	Volatile Organics	1	59573				

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 02/16/2004

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements will be noted in a case narrative.
Report Comments

1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

2) Soil, sediment and sludge sample results are reported on a "dry weight" basis.

3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

Glossary of flags and qualifiers.

Inorganic Qualifiers (Q-Column)

U	Indicates that the compound was analyzed for but not detected.
1	Result fails applicable drinking water standards.
*	Duplicate analysis not within control limits.
N	Spiked sample recovery not within control limits.
E	Indicates an estimated value because of the presence of interferences.
W	Post digestion spike for furnace AA analysis is out of the control limits (85-115%) while sample absorbance is less than 50% of spike absorbance.
+	Correlation coefficient for the MSA is less than 0.995
B	The reported value is less than the Contract Required Detection Limit (CRDL), but greater than the Instrument Detection Limit (IDL).

Organic Qualifiers (Q-Column)

U	Indicates that the compound was analyzed for but not detected.
J	Indicates an estimated value. This compound meets the identification criteria, but the result is less than the specified detection limit.
B	Indicates that the analyte was found in both the sample and its associated laboratory blank.
D	Indicates all compounds identified in an analysis at a secondary dilution factor.
E	Indicates that the analyte in an analysis has exceeded the linear calibration range.

Glossary of Terms

Surrogates (Surrogate Standards) - an organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process. For semi-volatiles, volatiles and pesticides/Arochlors, surrogate compounds are added to every blank, sample, matrix sample, matrix spike, matrix sample duplicate, matrix spike blank, and standard. These are used to evaluate analytical efficiency by measuring recovery. Poor surrogate recovery may indicate a problem with the sample composition.

Matrix Spike - an aliquot of a sample (water or soil) fortified (spiked) with known quantities of specific compounds (target analytes) and subjected to the entire analytical procedure in order to indicate the appropriateness of the method for the matrix by measuring recovery. The spiking occurs prior to sample preparation and analysis. Poor spike recovery may indicate a problem with the sample composition.

Internal Standards - an organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process. For GC/MS semi-volatiles and volatiles, internal standards are added to every blank, sample, matrix spike, matrix spike duplicate, matrix spike blank, and standard. Internal standard responses outside of established limits will adversely affect the quantitation and final concentration of target compounds.

Attention: Joe Covati
STES - Glen Cove
100 Morris Avenue
Glen Cove, NY 11542

CHAIN OF CUSTODY

315 Fullerton Avenue
Newburgh, NY 12550
TEL (914) 562-0890
FAX (914) 562-0841

STL
Committed To Your Success

CUSTOMER NAME: SEVERN TRENT
ADDRESS: 100 MORRIS AVE
CITY, STATE, ZIP: GLEN COVE NY 11542
NAME OF CONTACT: J. COVATI PHONE NO.: 516-674-6032
PROJECT LOCATION: PELHAM BAY
PROJECT NUMBER / PO NO.: 1317 P.O.# 3953

REPORT TYPE
STANDARD ☐ ISRA ☐
NYASP A ☐ B ☑ CLP ☐
OTHER ____

TURNAROUND
☐ NORMAL ____
☐ QUICK ____
☐ VERBAL ____

REPORT # (Lab Use Only)

TEMP BLANK Y ____ N ____ ____ C
pH CHECK Y ____ N ____
REVIEWED BY: ____

NY PUBLIC WATER SUPPLIES
SOURCE ID ____
ELRP TYPE ____
FEDERAL ID ____

DW = DRINKING WATER S = SOIL
WW = WASTE WATER SL = SLUDGE GW = GROUND WATER

STE#	SAMPLING DATE	TIME AM PM	COMP	GRAB	MATRIX	CLIENT I.D.	Total Number of Containers	40ml Glass HCL	Liter Amber Sulfuric Acid	Liter Amber Organic Washed	Liter Plastic Nitric Acid	Liter Plastic Sodium Hydroxide	Liter Plastic	Liter Plastic Sulfuric Acid	250ml Plastic	125ml Plastic Sterile	250ml Amber	2 oz. Qorpak	ANALYSIS REQUESTED
1	12-16-03			X	GW	MW 104	8	3		3	1	1							SCHEDULE A
2	12-16			X	GW	MW 109	8	3		3	1	1							"
3	12-16			X	GW	MW 119	8	3		3	1	1							"
4	12-16			X	GW	MW 120 MATRIX SPIKE m/s DUPLICATE	8	3		3	1	1							"
5	12-16			X	GW	MW 120 B	8	3		3	1	1							"
6	12-16			X	GW	MW 121	8	3		3	1	1							"
7	12-16			X	GW	MW 122	8	3		3	1	1							"

LAB USE ONLY

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
[signature]	STL	12-17-03	1000				
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

COMMENTS ____

SEVERN TRENT
ENVIRONMENTAL SERVICES
100 MORRIS AVENUE
GLEN COVE, NY 11542

MONITORING WELL INFORMATION complete

Date: **Sampler:** Joseph M. Covati Jr.

Property Address: Pelham Bay

Monitoring Well Characteristics

Well No. 120B	Well Diameter: 6	Gallons/Ft. 1.5
Depth of Well, (Ft.)	53.80	
Depth to Water, (Ft.)	23.10	
Depth of Water, (Ft.)	30.70	
Volume of Well, (Gals.)	19.9	

Sampling and Purging of Monitoring Wells

Purge Volume (Casings)	Time	Depth to Water	Temp	Spec C	DO	pH	ORP	Turb.
Initial	1230	23.10						
1	105	25.76						
2	1:45	25.26						
3	2:13	24.48						

Conversion Chart

Well Diameters	Gallons/Ft.	Well Diameters	Gallons/Ft.
2	0.16	6	1.5
3	0.37	8	2.6
4	0.65	10	4.1
5	1.0	12	5.9

Yellow color no particulates H_2S odor

SEVERN TRENT
ENVIRONMENTAL SERVICES
100 MORRIS AVENUE
GLEN COVE, NY 11542

Complete

MONITORING WELL INFORMATION

Date: **Sampler:** Joseph M. Covati Jr.

Property Address: Pelham Bay

Monitoring Well Characteristics

Well No. 119	Well Diameter: ~~4~~ 4	Gallons/Ft. 0.65
Depth of Well, (Ft.)	36.38	
Depth to Water, (Ft.)	22.86	
Depth of Water, (Ft.)	13.52	
Volume of Well, (Gals.)	8.78	

Sampling and Purging of Monitoring Wells

Purge Volume (Casings)	Time	Depth to Water	Temp	Spec C	DO	pH	ORP	Turb.
Initial		22.86						
1		24.68						
2	8:31	25.08						
3	8:45	23.96						

Conversion Chart

Well Diameters	Gallons/Ft.	Well Diameters	Gallons/Ft.
2	0.16	6	1.5
3	0.37	8	2.6
4	0.65	10	4.1
5	1.0	12	5.9

CLEAR w/ SULFIDE ODORS

SEVERN TRENT
ENVIRONMENTAL SERVICES
100 MORRIS AVENUE
GLEN COVE, NY 11542

MONITORING WELL INFORMATION

Date: 12-16-03 **Sampler:** Joseph M. Covati Jr.

Compute

Property Address: Pelham Bay

Monitoring Well Characteristics

Well No. 104	Well Diameter: 4	Gallons/Ft. 0.65
Depth of Well, (Ft.)	22.20	
Depth to Water, (Ft.)	18.62	
Depth of Water, (Ft.)	3.58	
Volume of Well, (Gals.)	2.37	

Sampling and Purging of Monitoring Wells

Purge Volume (Casings)	Time	Depth to Water	Temp	Spec C	DO	pH	ORP	Turb.
Initial	822	18.62						
1	831	19.50						
2	855	19.12						
3	915	19.47						

Conversion Chart

Well Diameters	Gallons/Ft.	Well Diameters	Gallons/Ft.
2	0.16	6	1.5
3	0.37	8	2.6
4	0.65	10	4.1
5	1.0	12	5.9

8.8

DARK BLACKISH LITTLE SULFIDE ODOR PARTICULATES

SEVERN TRENT
ENVIRONMENTAL SERVICES
100 MORRIS AVENUE
GLEN COVE, NY 11542

MONITORING WELL INFORMATION

Complete

Date: 12/16/03 **Sampler:** Joseph M. Covati Jr.

Property Address: Pelham Bay

Monitoring Well Characteristics

Well No. 109	Well Diameter: 2"	Gallons/Ft.
Depth of Well, (Ft.)	21.22	
Depth to Water, (Ft.)	16.14	
Depth of Water, (Ft.)	5.08	
Volume of Well, (Gals.)	0.8	

Sampling and Purging of Monitoring Wells

Purge Volume (Casings)	Time	Depth to Water	Temp	Spec C	DO	pH	ORP	Turb.
Initial	10:45	16.14						
1	11:34	16.44						
2	11:40	16.62						
3	11:45	17.20						

Conversion Chart

Well Diameters	Gallons/Ft.	Well Diameters	Gallons/Ft.
2	0.16	6	1.5
3	0.37	8	2.6
4	0.65	10	4.1
5	1.0	12	5.9

3B

S:\Users\Peter\O&M\Inspection Forms\boiler plate for individual well sampling log, pelham.doc

SEVERN TRENT
ENVIRONMENTAL SERVICES
100 MORRIS AVENUE
GLEN COVE, NY 11542

MONITORING WELL INFORMATION

Date: 12-16-03 **Sampler:** Joseph M. Covati Jr.

Compete

Property Address: Pelham Bay

Monitoring Well Characteristics

Well No. 12I	Well Diameter: 4	Gallons/Ft.
Depth of Well, (Ft.)	2) 36.42	
Depth to Water, (Ft.)	1) 19.2	
Depth of Water, (Ft.)		
Volume of Well, (Gals.)		

Sampling and Purging of Monitoring Wells

Purge Volume (Casings)	Time	Depth to Water	Temp	Spec C	DO	pH	ORP	Turb.
Initial	10:33	19.2						
1	11:28	19.4						
2	11:59	19.72						
3	12:20	20.2						

Conversion Chart

Well Diameters	Gallons/Ft.	Well Diameters	Gallons/Ft.
2	0.16	6	1.5
3	0.37	8	2.6
4	0.65	10	4.1
5	1.0	12	5.9

A2B

Blacks w/ Sulfide odor

SEVERN TRENT
ENVIRONMENTAL SERVICES
100 MORRIS AVENUE
GLEN COVE, NY 11542

MONITORING WELL INFORMATION

Date: 12-16-03 **Sampler:** Joseph M. Covati Jr.

Complete

Property Address: Pelham Bay

Monitoring Well Characteristics

Well No. 120	Well Diameter: 4	Gallons/Ft. 0.65
Depth of Well, (Ft.)	87	
Depth to Water, (Ft.)	21.20	
Depth of Water, (Ft.)	65.8	
Volume of Well, (Gals.)	42.7	

Sampling and Purging of Monitoring Wells

Purge Volume (Casings)	Time	Depth to Water	Temp	Spec C	DO	pH	ORP	Turb.
Initial	900	21.20						
1	1018	39.90						
2	1113	67.94						
3	1210	66.84						

Conversion Chart

Well Diameters	Gallons/Ft.	Well Diameters	Gallons/Ft.
2	0.16	6	1.5
3	0.37	8	2.6
4	0.65	10	4.1
5	1.0	12	5.9

SEVERN TRENT
ENVIRONMENTAL SERVICES
100 MORRIS AVENUE
GLEN COVE, NY 11542

MONITORING WELL INFORMATION

Date: 12-16-03 **Sampler:** Joseph M. Covati Jr.

Property Address: Pelham Bay

Well is Dry [illegible]

Monitoring Well Characteristics

Well No. 114	Well Diameter: 2	Gallons/Ft. 0.16
Depth of Well, (Ft.)	13.20	
Depth to Water, (Ft.)	11.52	
Depth of Water, (Ft.)	1.68	
Volume of Well, (Gals.)	0.26	

Sampling and Purging of Monitoring Wells

Purge Volume (Casings)	Time	Depth to Water	Temp	Spec C	DO	pH	ORP	Turb.
Initial								
1								
2								
3								

Conversion Chart

Well Diameters	Gallons/Ft.	Well Diameters	Gallons/Ft.
2	0.16	6	1.5
3	0.37	8	2.6
4	0.65	10	4.1
5	1.0	12	5.9

1st Well

SEVERN TRENT
ENVIRONMENTAL SERVICES
100 MORRIS AVENUE
GLEN COVE, NY 11542

MONITORING WELL INFORMATION

Date: 12-16-03 **Sampler:** Joseph M. Covati Jr.

Property Address: Pelham Bay Well is Dry

110

Monitoring Well Characteristics

Well No. ~~1~~ 10	Well Diameter: 4	Gallons/Ft.
Depth of Well, (Ft.)	70.60	
Depth to Water, (Ft.)	20.50	
Depth of Water, (Ft.)		
Volume of Well, (Gals.)		

Sampling and Purging of Monitoring Wells

Purge Volume (Casings)	Time	Depth to Water	Temp	Spec C	DO	pH	ORP	Turb.
Initial								
1								
2								
3								

Conversion Chart

Well Diameters	Gallons/Ft.	Well Diameters	Gallons/Ft.
2	0.16	6	1.5
3	0.37	8	2.6
4	0.65	10	4.1
5	1.0	12	5.9

SEVERN TRENT
ENVIRONMENTAL SERVICES
100 MORRIS AVENUE
GLEN COVE, NY 11542

MONITORING WELL INFORMATION

Date: 12-16-03 **Sampler:** Joseph M. Covati Jr.

Well is Dry

Property Address: Pelham Bay

Monitoring Well Characteristics

Well No. 118	Well Diameter: 4"	Gallons/Ft. 0.65
Depth of Well, (Ft.)	21.22	
Depth to Water, (Ft.)	19.42	
Depth of Water, (Ft.)	1.80	
Volume of Well, (Gals.)	1.17	

Sampling and Purging of Monitoring Wells

Purge Volume (Casings)	Time	Depth to Water	Temp	Spec C	DO	pH	ORP	Turb.
Initial	745/P							
1								
2								
3								

Conversion Chart

Well Diameters	Gallons/Ft.	Well Diameters	Gallons/Ft.
2	0.16	6	1.5
3	0.37	8	2.6
4	0.65	10	4.1
5	1.0	12	5.9

A.1 B

SEVERN TRENT
ENVIRONMENTAL SERVICES
100 MORRIS AVENUE
GLEN COVE, NY 11542

MONITORING WELL INFORMATION

Date: **Sampler:** Joseph M. Covati Jr.

VANDALIZED By Fisherman Buttics & CANS

Property Address: Pelham Bay

Monitoring Well Characteristics

Well No. 106	Well Diameter: 106	Gallons/Ft.
Depth of Well, (Ft.)		
Depth to Water, (Ft.)		
Depth of Water, (Ft.)		
Volume of Well, (Gals.)		

Sampling and Purging of Monitoring Wells

Purge Volume (Casings)	Time	Depth to Water	Temp	Spec C	DO	pH	ORP	Turb.
Initial								
1								
2								
3								

Conversion Chart

Well Diameters	Gallons/Ft.	Well Diameters	Gallons/Ft.
2	0.16	6	1.5
3	0.37	8	2.6
4	0.65	10	4.1
5	1.0	12	5.9

SEVERN TRENT
ENVIRONMENTAL SERVICES
100 MORRIS AVENUE
GLEN COVE, NY 11542

MONITORING WELL INFORMATION

WELL IS DRY

Date: 12/16/03 **Sampler:** Joseph M. Covati Jr.

Property Address: Pelham Bay

Monitoring Well Characteristics

Well No. 113	Well Diameter: 4	Gallons/Ft.
Depth of Well, (Ft.)	15.20	
Depth to Water, (Ft.)	12.90	
Depth of Water, (Ft.)	2.30	
Volume of Well, (Gals.)	1.5	

Sampling and Purging of Monitoring Wells

Purge Volume (Casings)	Time	Depth to Water	Temp	Spec C	DO	pH	ORP	Turb.
Initial	10:40	12.9						
1								
2								
3								

Conversion Chart

Well Diameters	Gallons/Ft.	Well Diameters	Gallons/Ft.
2	0.16	6	1.5
3	0.37	8	2.6
4	0.65	10	4.1
5	1.0	12	5.9

5.5 B

SEVERN TRENT
ENVIRONMENTAL SERVICES
100 MORRIS AVENUE
GLEN COVE, NY 11542

MONITORING WELL INFORMATION

Date: 12/16/03 **Sampler:** Joseph M. Covati Jr.

Property Address: Pelham Bay

Monitoring Well Characteristics

Well No. 122	Well Diameter: 4	Gallons/Ft.
Depth of Well, (Ft.)	41.30	
Depth to Water, (Ft.)	21.30	
Depth of Water, (Ft.)	20.00	
Volume of Well, (Gals.)	13	

Sampling and Purging of Monitoring Wells

Purge Volume (Casings)	Time	Depth to Water	Temp	Spec C	DO	pH	ORP	Turb.
Initial	10:37	21.3						
1	2:26	19.90						
2	2:35	19.80						
3	2:45	19.67						

Conversion Chart

Well Diameters	Gallons/Ft.	Well Diameters	Gallons/Ft.
2	0.16	6	1.5
3	0.37	8	2.6
4	0.65	10	4.1
5	1.0	12	5.9

99 B

ICED TEA COLOR LEACHATE ODOR STRONG

Gas Analysis

MONTHLY MONITORING
LANDFILL GAS MANAGEMENT SYSTEM
PELHAM BAY LANDFILL
REFERENCE VOLUME III SECTION 5

Inspector Brian Dortch Date 12/19/03

Location	Concentration by % Volume			Temp. (°F)	Vac. @ Well Head (In W.C.)	D.P	LEL	Remarks
	Methane	CO_2	Oxygen					
Flare Inlet	/	/	/	/	/	/	/	Not running
Well Head No. 1	68.5	31.0	0.0	40°	+0.90	-0.76	1370	
Well Head No. 2	60.3	37.8	0.0	43°	+0.60	-0.36	1206	
Well Head No. 3	60.0	36.7	0.3	45°	+1.20	-1.02	1200	
Well Head No. 4	66.6	33.4	0.0	44°	+1.40	-1.22	1332	
Well Head No. 5	55.3	44.7	0.0	102°	+1.40	-1.12	1106	
Well Head No. 6	68.6	26.1	0.5	62°	+1.40	-1.02	1372	
Well Head No. 7	56.5	43.5	0.0	45	+1.80	-1.59	1130	
Well Head No. 8	62.1	37.9	0.0	48°	+1.50	-1.62	1242	
Well Head No. 9	57.2	35.2	0.0	63°	+0.92	-1.13	1144	
Well Head No. 10	62.6	37.4	0.0	41°	+1.10	-0.88	1252	
Well Head No. 11	59.1	39.3	0.0	48°	+1.23	-1.03	1182	
Well Head No. 12	63.2	35.0	0.0	47°	+0.98	-1.07	1264	
Well Head No. 13	56.3	39.7	0.0	51°	+1.11	-0.93	1126	
Well Head No. 14	61.3	36.3	0.0	48°	+1.18	-1.31	1226	
Well Head No. 15	57.5	42.5	0.0	123°	+1.60	-1.42	1150	
Well Head No. 16	59.7	38.2	0.0	51°	+1.52	-1.38	1194	
Well Head No. 17	57.0	43.0	0.0	117°	+1.50	-1.31	1140	
Well Head No. 18	62.1	36.8	0.0	48°	+1.19	-1.13	1242	
Well Head No. 19	62.9	36.9	0.0	50°	+1.42	-1.27	1258	
Well Head No. 20	59.1	40.9	0.0	87°	+1.30	-1.17	1182	
Well Head No. 21	52.6	35.7	0.1	45°	+1.92	-1.63	1052	
Well Head No. 22	64.5	35.2	0.0	51°	+1.83	-1.51	1290	

Appendix B – Inspection Forms for December 2003

FORM FCS-1
MONTHLY INSPECTION CHECKLIST
FINAL COVER SYSTEM
PELHAM BAY LANDFILL, BRONX, NEW YORK

(Reference Volume III, Figure 2-1)

Item No.	Item Title	Zone Number													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Surface Cracks	OK	OK	OK	OK	OK	OK	N/S	OK	OK	OK	OK	OK	OK	OK
2	Vegetative Growth	OK	OK	OK	OK	OK	OK	OK	N/S	OK	OK	OK	OK	OK	OK
3	Vector Penetration	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
4	Settlement	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
5	Erosion	OK	OK	OK	OK	OK	OK	N/S	N/S	OK	OK	OK	OK	OK	OK
6	Slope Stability	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
7	Seepage	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
8	Vandalism	OK	OK	OK	OK	OK	OK	OK	N/S	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: December 16, 2003 Initials: KMB

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

FORM NO.	LOCATION	DESCRIPTION OF PROBLEM	CORRECTIVE ACTION
FCS-1			
	7	Rill by pond c inlet	Need to fill and re-
			seed
	8	10'x8' area of sparse vegetative	
		growth	

DATE: December 16, 2003 INSPECTED BY: KMB

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

DATE: 12/10/03 INITIALS: KMB

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	N/S	N/S	N/S	N/S	OK	OK	OK	OK
2	Silt Accumulation	Slight	OK	OK	Slight	N/S	OK	OK	Slight	OK	OK
3	Settlement	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
4	Pipe Connections	OK	OK	OK	OK	N/S	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	High	Low	High	Low	Dry	Empty	High	High	Dry	Low

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	N/S	OK	N/S	OK	OK	OK	OK	OK	-
2	Silt Accumulation	Slight	Heavy	Mod.	Slight	OK	OK	OK	Slight	OK	-	-
3	Settlement	OK	OK	OK	OK	OK	OK	OK	OK	Slight	OK	-
4	Pipe Connections	OK	OK	OK	OK	N/S	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	High	Low	Low	High	Low	High	Dry	Low	High	Full	-

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

FORM NO.	LOCATION	DESCRIPTION OF PROBLEM	CORRECTIVE ACTION
GWL-2	D-3	crack in manhole cover	
	D-4	crack in manhole cover	
	D-5	crack in manhole cover & settlement	
	D-1	slight silt accumulation	
	D-6	crack in manhole cover , not a H20 cover	
	D-6	Empty	
	LS-1	slight silt accumulation	
	U-4	slight silt accumulation	
	DS-1	Hatch cover broken	
	U-4	Manhole full due to high tide	

DATE: 12/10/03 INSPECTED BY: KMB

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

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	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
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 A to Road B								OK						
7	Flapgate at 6" pipe Outlet								OK						
	Drainage Ditch, Road B														
1	Overgrown Vegetation	NS	NS	NS	NS	NS	NS	OK	OK	NS	NS	NS	NS		
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 to Road C								OK						
	Drainage Ditch, Road B[2]														
1	Overgrown Vegetation	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2	Standing Water	OK	OK	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	OK	OK
4	Erosion/Washouts	OK	OK	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	OK	OK
6	Culvert Road B to Road C														
	Drainage Ditch, Road C														
1	Overgrown Vegetation	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2	Standing Water	OK	OK	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	OK	OK
4	Erosion/Washouts	OK	OK	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	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: 12-12-03 Initials: KMB

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

FORM NO.	LOCATION	DESCRIPTION OF PROBLEM	CORRECTIVE ACTION
SMS-1	zone		
road A	1-12	Over grown vegetation in all swales	
road B	1-6	Over grown vegetation in all swales	
	9-12	With the exception of zones 7 and part	
		Of 8 which were cleared by STES	
road B2	1-14	Over grown vegetation in all swales	

DATE: 12/12/03 INSPECTED BY: KB

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

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	N/S	N/S	N/S
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	N/S	N/S
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: 12-11-03 Initials: KMB

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

FORM NO.	LOCATION	DESCRIPTION OF PROBLEM	CORRECTIVE ACTION
SMS-2	BO2	silt, silt rocks in weep holes	
	BO3	silt, silt rocks in weep holes	
	BO4	silt, silt rocks in weep holes	

DATE: 12/11/03 INSPECTED BY: KB

FORM SMS-3
MONTHLY INSPECTION CHECKLIST
SEDIMENTATION PONDS
STORMWATER MANAGEMENT SYSTEM
PELHAM BAY LANDFILL, BRONX, NEW YORK
(Reference Volume I, Figure 2-3)

Inspection Item		Check Box			Check Box
Sedimentation Pond A			**Sedimentation Pond C**		
Pond			**Pond**		
1	Minimum 2 ft. Freeboard	OK	1	Minimum 2 ft. Freeboard	OK
2	Silt Accumulation	N/S	2	Silt Accumulation	N/S
3	Slope Erosion/Stability	OK	3	Slope Erosion/Stability	N/S
4	Debris	N/S	4	Debris	N/S
	Outlet Structure		5	Riprap	OK
1	Debris/Silt Blockage	OK		**Inlet Structure**	
2	Connections to Pipe	OK	1	Debris/Silt Blockage	N/S
3	Erosion Around Structure	OK	2	Connections to Pipe	OK
4	Spalling, Cracking, etc.	OK	3	Erosion Around Structure	OK
			4	Spalling, Cracking, etc.	OK
	Sedimentation Pond B		5	Riprap	OK
	Pond			**RCP Inlet Section**	
1	Minimum 2 ft. Freeboard	OK	1	Debris/Silt Blockage	N/S
2	Silt Accumulation	N/S	2	Connections to Pipe	OK
3	Slope Erosion/Stability	OK	3	Erosion Around Structure	OK
4	Debris	N/S	4	Spalling, Cracking, etc.	OK
	Inlet Structure		5	Weepholes	N/S
1	Debris/Silt Blockage	OK	6	Trashrack	OK
2	Connections to Pipe	OK	7	RC Pipe	
3	Erosion Around Structure	OK		**RCP Outlet Section**	
4	Spalling, Cracking, etc.	OK	1	Debris/Silt Blockage	OK
	Outlet Structure		2	Connections to Pipe	OK
1	Debris/Silt Blockage	N/S	3	Erosion Around Structure	OK
2	Connections to Pipe	OK	4	Spalling, Cracking, etc.	OK
3	Erosion Around Structure	OK	5	Trashrack	OK
4	Spalling, Cracking, etc.	OK	6	Flapgate	OK
			7	Spillway Riprap	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: 12-11-03 Initials: KMB

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

FORM NO.	LOCATION	DESCRIPTION OF PROBLEM	CORRECTIVE ACTION
SMS-3	Pond A	Silt and debris in Pond	
	Pond B		
	outlet	Silt and debris	
	pond	Silt and debris accummulation	
	Pond C	Silt and debris in Pond	
		Erosion rill on embankment of pond	
	Inlet	Silt and debris	
	RCP Inlet	Silt and debris	
	Weephole	Blocked with silt and debris	

DATE: 12/11/03 INITIALS: KB

FORM AS-1
MONTHLY INSPECTION CHECKLIST
ACILLARY SYSTEMS
PELHAM BAY LANDFILL, BRONX, NEW YORK
(Reference Volume I, Section 2.2 and Volume III, Section 6)

Description		Check Box	If N/S or NI, description and location
IRM Roadway			
1	Rutting	**OK**	
2	Depressions/Settlement	**OK**	
3	Washout	**OK**	By lift station 1 3' X 2'
4	Pavement Condition	**OK**	
5	Reflectors	**N/S**	
Road A			
1	Rutting	**OK**	
2	Depressions/Settlement	**OK**	
3	Washout	**OK**	Small washout in zone 5-6
4	Pavement Condition	**OK**	
5	Reflectors	**N/S**	
Road B			
1	Rutting	**OK**	
2	Depressions/Settlement	**OK**	
3	Washout	**OK**	
4	Pavement Condition	**OK**	
5	Reflectors	**N/S**	
Road B[2]			
1	Rutting	**OK**	
2	Depressions/Settlement	**OK**	
3	Washout	**NS**	
4	Pavement Condition	**NS**	
5	Reflectors	**N/S**	
Road C			
1	Rutting	**OK**	
2	Depressions/Settlement	**OK**	
3	Washout	**NS**	Small washout as entering road C
4	Pavement Condition	**NS**	
5	Reflectors	**N/S**	
Perimeter Fence, Gates, Locks		**N/S**	
Seawall Condition		**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: 12/17/03 Initials: KMB

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

FORM NO.	LOCATION	DESCRIPTION OF PROBLEM	CORRECTIVE ACTION
AS-1	IRM	reflectors missing, weeds encroaching ,rutting starting along the road way	
	Road A	reflectors missing, weeds encroaching , slight rutting causing filter cloth to show	
	Road B	reflectors missing, weeds encroaching	
	Road B2	reflectors missing, weeds encroaching	
	Road C	reflectors missing, weeds encroaching	
	Roads	washout and rutting at	
	B2-C	intersection of roads	
		filter fabric visible	
	fence	nine openings in fence	
		worn path to hole in fence in	
		zone 4	
		fence support pole bent in	
		area across from Pond A	
	Fence hole locations	D-10, MW-118, MW-106, MW-119, MW-120, 2 holes between MW-120 & MW-104, MW-104, SW-1	

DATE: 12-17-03 INSPECTED BY: KMB

FORM LFG-1
WEEKLY(TWICE WEEKLY) INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PELHAMBAY LANDFILL
(REFERENCE VOLUME III, SECTION 5)

Date	12/1/2003	12/5/2003
Time	7:00	7:00
Technician	KMB	KMB
1.OPERATING BLOWER 1 OR 2	1 **2**	1 **2**
A. Noise or Vibration	Ok **N/A**	Ok **N/A**
B. Measureable or Oderiferous Gas Leaks	**No** Yes	**No** Yes
C. Upstream Vacuum-Inches WC	0	0
D. Downstream Pressure -Inches WC		
E. Inlet Temperature-Degree F		
F. Discharge Temperature-Degree F		
2. BLOWER CONTROL PANEL		
A. Disconnnect Blower 1 and 2 Switch		
B. Flow Meter-CFM, Min & Max		
C. Hour Meter Blower 1 (Zero=)	O/S	O/S
Blower 2 (Zero=)	13111.1	13111.1
D. Blower 1 or Blower 2 Running Light	1 **2**	1 **2**
E. The Blower Hand-Off_Auto Switch	**Off Auto**	**Off Auto**
F. Blower 1 or 2 Current Alarm	**Off On**	**Off On**
G. High Motor Current Alarm	**Off**	**Off**
H. Reset Alarm		
3. FLARE CONTROL PANEL		
A. Panel Power Switch	Off **On**	Off **On**
B. Panel Power Light	Off **On**	Off **On**
C. Start-Up Sequence Switch	Auto	
D. Local Unit Control Switch	Start/**Run** Stop	Start/**Run** Stop
E. Unit Stop		
F. Security Light	**Off** On	**Off** On
G. Purge Start		
H. Low Purge Air Flow, Red Indicator Light	**Off** On	**Off** On
I. Purging, Blue Indicator Light	**Off** On	**Off** On
J. Purge Complete, Amber Indicating Light	**Off** On	**Off** On
K. Ignition Start		
L. Pilot Gas On, Green Indicator Light	**Off** On	**Off** On
M. Flame Proved, Green Indicator Light	**Off** On	**Off** On
N. Waste Inlet Valve	C O **Auto**	C O **Auto**
O. Waste Gas On, Green Indicator Light	**Off** On	**Off** On
P. Flare Reset		
Q. Waste Gas Blower Failure, Red Indicator Light	Off **On**	Off **On**
R. High Flare Temperature, Red Indicator Light	**Off** On	**Off** On
S. Flare Failure, Red Indicator Light	**Off** On	**Off** On
4. FLARE		
A. Flame Condition	Good **N/A**	Good **N/A**
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
Manual Damper Postion		
5. PIPING		
A. General Condition	OK	OK
B. Propane Tank Pressure/Level-PSIG	20 80	20 80
C. Inlet Valve Position	25 % Open	25 % Open
D. LFG Flowrate-CFM		
E. Gauges Operational?	Yes **No**	Yes **No**
F. Nitrogen Pressure-PSIG	100 700	100 700
6. SITE CONDITION		
Vandalism, Cleanliness	**Good** Bad	**Good** Bad
Reviewed By		
Date	12/1/2003	12/5/2003

Comments Gas flow meter inoperable, no temperatures gauges - Gauges removed and plugged where temp gauges used to be. Down stream Dp cell missing and plugged

Having trouble with starting flare my be due to poor gas levels

FORM LFG-1
WEEKLY(TWICE WEEKLY) INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PELHAMBAY LANDFILL
(REFERENCE VOLUME III, SECTION 5)

Date	12/8/2003	12/12/2003
Time	7:00	7:00
Technician	KMB	KMB
1.OPERATING BLOWER 1 OR 2	1 **2**	1 **2**
A. Noise or Vibration	Ok **N/A**	Ok **N/A**
B. Measureable or Oderiferous Gas Leaks	**No** Yes	**No** Yes
C. Upstream Vacuum-Inches WC	0	0
D. Downstream Pressure -Inches WC		
E. Inlet Temperature-Degree F		
F. Discharge Temperature-Degree F		
2. BLOWER CONTROL PANEL		
A. Disconnnect Blower 1 and 2 Switch		
B. Flow Meter-CFM, Min & Max		
C. Hour Meter Blower 1 (Zero=)	O/S	O/S
Blower 2 (Zero=)	13111.1	13111.1
D. Blower 1 or Blower 2 Running Light	1 **2**	1 **2**
E. The Blower Hand-Off_Auto Switch	**Off** **Auto**	**Off** **Auto**
F. Blower 1 or 2 Current Alarm	**Off** **On**	**Off** **On**
G. High Motor Current Alarm	**Off**	**Off**
H. Reset Alarm		
3. FLARE CONTROL PANEL		
A. Panel Power Switch	Off **On**	Off **On**
B. Panel Power Light	Off **On**	Off **On**
C. Start-Up Sequence Switch	Auto	
D. Local Unit Control Switch	Start/**Run** Stop	Start/**Run** Stop
E. Unit Stop		
F. Security Light	**Off** On	**Off** On
G. Purge Start		
H. Low Purge Air Flow, Red Indicator Light	**Off** On	**Off** On
I. Purging, Blue Indicator Light	**Off** On	**Off** On
J. Purge Complete, Amber Indicating Light	**Off** On	**Off** On
K. Ignition Start		
L. Pilot Gas On, Green Indicator Light	**Off** On	**Off** On
M. Flame Proved, Green Indicator Light	**Off** On	**Off** On
N. Waste Inlet Valve	C O **Auto**	C O **Auto**
O. Waste Gas On, Green Indicator Light	**Off** On	**Off** On
P. Flare Reset		
Q. Waste Gas Blower Failure, Red Indicator Light	Off **On**	Off **On**
R. High Flare Temperature, Red Indicator Light	**Off** On	**Off** On
S. Flare Failure, Red Indicator Light	**Off** On	**Off** On
4. FLARE		
A. Flame Condition	Good **N/A**	Good **N/A**
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
Manual Damper Postion		
5. PIPING		
A. General Condition	OK	OK
B. Propane Tank Pressure/Level-PSIG	20 80	20 80
C. Inlet Valve Position	25 % Open	25 % Open
D. LFG Flowrate-CFM		
E. Gauges Operational?	Yes **No**	Yes **No**
F. Nitrogen Pressure-PSIG	100 700	100 700
6. SITE CONDITION		
Vandalism, Cleanliness	**Good** Bad	**Good** Bad
Reviewed By		
Date	12/8/2003	12/12/2003

Comments Gas flow meter inoperable, no temperatures gauges - Gauges removed and plugged where temp gauges used to be. Down stream Dp cell missing and plugged

Having trouble with starting flare my be due to poor gas levels

FORM LFG-1
WEEKLY(TWICE WEEKLY) INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PELHAMBAY LANDFILL
(REFERENCE VOLUME III, SECTION 5)

Date	12/15/2003			12/19/2003		
Time	7:00			7:00		
Technician	KMB			KMB		
1.OPERATING BLOWER 1 OR 2	1		**2**	1		**2**
A. Noise or Vibration	Ok		**N/A**	Ok		**N/A**
B. Measureable or Oderiferous Gas Leaks	**No**		Yes	**No**		Yes
C. Upstream Vacuum-Inches WC	0			0		
D. Downstream Pressure -Inches WC						
E. Inlet Temperature-Degree F						
F. Discharge Temperature-Degree F						
2. BLOWER CONTROL PANEL						
A. Disconnnect Blower 1 and 2 Switch						
B. Flow Meter-CFM, Min & Max						
C. Hour Meter Blower 1 (Zero=)			O/S			O/S
Blower 2 (Zero=)			13111.1			13111.1
D. Blower 1 or Blower 2 Running Light	1		**2**	1		**2**
E. The Blower Hand-Off_Auto Switch	**Off**		**Auto**	**Off**		**Auto**
F. Blower 1 or 2 Current Alarm	**Off**		**On**	**Off**		**On**
G. High Motor Current Alarm	**Off**			**Off**		
H. Reset Alarm						
3. FLARE CONTROL PANEL						
A. Panel Power Switch	Off		**On**	Off		**On**
B. Panel Power Light	Off		**On**	Off		**On**
C. Start-Up Sequence Switch	Auto					
D. Local Unit Control Switch	Start/**Run**		Stop	Start/**Run**		Stop
E. Unit Stop						
F. Security Light	**Off**		On	**Off**		On
G. Purge Start						
H. Low Purge Air Flow, Red Indicator Light	**Off**		On	**Off**		On
I. Purging, Blue Indicator Light	**Off**		On	**Off**		On
J. Purge Complete, Amber Indicating Light	**Off**		On	**Off**		On
K. Ignition Start						
L. Pilot Gas On, Green Indicator Light	**Off**		On	**Off**		On
M. Flame Proved, Green Indicator Light	**Off**		On	**Off**		On
N. Waste Inlet Valve	C	O	**Auto**	C	O	**Auto**
O. Waste Gas On, Green Indicator Light	**Off**		On	**Off**		On
P. Flare Reset						
Q. Waste Gas Blower Failure, Red Indicator Light	Off		**On**	Off		**On**
R. High Flare Temperature, Red Indicator Light	**Off**		On	**Off**		On
S. Flare Failure, Red Indicator Light	**Off**		On	**Off**		On
4. FLARE						
A. Flame Condition	Good		**N/A**	Good		**N/A**
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
Manual Damper Postion						
5. PIPING						
A. General Condition	OK			OK		
B. Propane Tank Pressure/Level-PSIG	20		80	20		80
C. Inlet Valve Position	25		% Open	25		% Open
D. LFG Flowrate-CFM						
E. Gauges Operational?	Yes		**No**	Yes		**No**
F. Nitrogen Pressure-PSIG	100		700	100		700
6. SITE CONDITION						
Vandalism, Cleanliness	**Good**		Bad	**Good**		Bad
Reviewed By						
Date	12/15/2003			12/19/2003		

Comments Gas flow meter inoperable, no temperatures gauges - Gauges removed and plugged where temp gauges used to be. Down stream Dp cell missing and plugged

Having trouble with starting flare my be due to poor gas levels

FORM LFG-1
WEEKLY(TWICE WEEKLY) INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PELHAMBAY LANDFILL
(REFERENCE VOLUME III, SECTION 5)

Date	12/22/2003			12/26/2003			
Time	7:00			7:00			
Technician	KMB			KMB			
1.OPERATING BLOWER 1 OR 2	1		**2**	1		**2**
A. Noise or Vibration	Ok		**N/A**	Ok		**N/A**
B. Measureable or Oderiferous Gas Leaks	**No**		Yes	**No**		Yes
C. Upstream Vacuum-Inches WC	0			0		
D. Downstream Pressure -Inches WC						
E. Inlet Temperature-Degree F						
F. Discharge Temperature-Degree F						
2. BLOWER CONTROL PANEL						
A. Disconnnect Blower 1 and 2 Switch						
B. Flow Meter-CFM, Min & Max						
C. Hour Meter Blower 1 (Zero=)			O/S			O/S
Blower 2 (Zero=)			13111.1			13111.1
D. Blower 1 or Blower 2 Running Light	1		**2**	1		**2**
E. The Blower Hand-Off_Auto Switch	**Off**		**Auto**	**Off**		**Auto**
F. Blower 1 or 2 Current Alarm	**Off**		**On**	**Off**		**On**
G. High Motor Current Alarm	**Off**			**Off**		
H. Reset Alarm						
3. FLARE CONTROL PANEL						
A. Panel Power Switch	Off		**On**	Off		**On**
B. Panel Power Light	Off		**On**	Off		**On**
C. Start-Up Sequence Switch	Auto					
D. Local Unit Control Switch	Start/**Run**		Stop	Start/**Run**		Stop
E. Unit Stop						
F. Security Light	**Off**		On	**Off**		On
G. Purge Start						
H. Low Purge Air Flow, Red Indicator Light	**Off**		On	**Off**		On
I. Purging, Blue Indicator Light	**Off**		On	**Off**		On
J. Purge Complete, Amber Indicating Light	**Off**		On	**Off**		On
K. Ignition Start						
L. Pilot Gas On, Green Indicator Light	**Off**		On	**Off**		On
M. Flame Proved, Green Indicator Light	**Off**		On	**Off**		On
N. Waste Inlet Valve	C	O	**Auto**	C	O	**Auto**
O. Waste Gas On, Green Indicator Light	**Off**		On	**Off**		On
P. Flare Reset						
Q. Waste Gas Blower Failure, Red Indicator Light	Off		**On**	Off		**On**
R. High Flare Temperature, Red Indicator Light	**Off**		On	**Off**		On
S. Flare Failure, Red Indicator Light	**Off**		On	**Off**		On
4. FLARE						
A. Flame Condition	Good		**N/A**	Good		**N/A**
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
Manual Damper Postion						
5. PIPING						
A. General Condition	OK			OK		
B. Propane Tank Pressure/Level-PSIG	20		80	20		80
C. Inlet Valve Position	25		% Open	25		% Open
D. LFG Flowrate-CFM						
E. Gauges Operational?	Yes		**No**	Yes		**No**
F. Nitrogen Pressure-PSIG	100		600	100		600
6. SITE CONDITION						
Vandalism, Cleanliness	**Good**		Bad	**Good**		Bad
Reviewed By						
Date	12/22/2003			12/26/2003		

Comments Gas flow meter inoperable, no temperatures gauges - Gauges removed and plugged where temp gauges used to be. Down stream Dp cell missing and plugged

Having trouble with starting flare my be due to poor gas levels

FORM LFG-1
WEEKLY(TWICE WEEKLY) INSPECTION CHECKLIST
LANDFILL GAS MANAGEMENT SYSTEM
PELHAMBAY LANDFILL
(REFERENCE VOLUME III, SECTION 5)

Date	12/29/2003			12/31/2003		
Time	7:00			7:00		
Technician	KMB			KMB		
1.OPERATING BLOWER 1 OR 2	1		**2**	1		**2**
A. Noise or Vibration	Ok		**N/A**	Ok		**N/A**
B. Measureable or Oderiferous Gas Leaks	**No**		Yes	**No**		Yes
C. Upstream Vacuum-Inches WC	0			0		
D. Downstream Pressure -Inches WC						
E. Inlet Temperature-Degree F						
F. Discharge Temperature-Degree F						
2. BLOWER CONTROL PANEL						
A. Disconnnect Blower 1 and 2 Switch						
B. Flow Meter-CFM, Min & Max						
C. Hour Meter Blower 1 (Zero=)			O/S			O/S
Blower 2 (Zero=)			13111.1			13111.1
D. Blower 1 or Blower 2 Running Light	1		**2**	1		**2**
E. The Blower Hand-Off_Auto Switch	**Off**		**Auto**	**Off**		**Auto**
F. Blower 1 or 2 Current Alarm	**Off**		**On**	**Off**		**On**
G. High Motor Current Alarm	**Off**			**Off**		
H. Reset Alarm						
3. FLARE CONTROL PANEL						
A. Panel Power Switch	Off		**On**	Off		**On**
B. Panel Power Light	Off		**On**	Off		**On**
C. Start-Up Sequence Switch	Auto					
D. Local Unit Control Switch	Start/**Run**		Stop	Start/**Run**		Stop
E. Unit Stop						
F. Security Light	**Off**		On	**Off**		On
G. Purge Start						
H. Low Purge Air Flow, Red Indicator Light	**Off**		On	**Off**		On
I. Purging, Blue Indicator Light	**Off**		On	**Off**		On
J. Purge Complete, Amber Indicating Light	**Off**		On	**Off**		On
K. Ignition Start						
L. Pilot Gas On, Green Indicator Light	**Off**		On	**Off**		On
M. Flame Proved, Green Indicator Light	**Off**		On	**Off**		On
N. Waste Inlet Valve	C	O	**Auto**	C	O	**Auto**
O. Waste Gas On, Green Indicator Light	**Off**		On	**Off**		On
P. Flare Reset						
Q. Waste Gas Blower Failure, Red Indicator Light	Off		**On**	Off		**On**
R. High Flare Temperature, Red Indicator Light	**Off**		On	**Off**		On
S. Flare Failure, Red Indicator Light	**Off**		On	**Off**		On
4. FLARE						
A. Flame Condition	Good		**N/A**	Good		**N/A**
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
Manual Damper Postion						
5. PIPING						
A. General Condition	OK			OK		
B. Propane Tank Pressure/Level-PSIG	20		80	20		80
C. Inlet Valve Position	25		% Open	25		% Open
D. LFG Flowrate-CFM						
E. Gauges Operational?	Yes		**No**	Yes		**No**
F. Nitrogen Pressure-PSIG	100		2200	100		2200
6. SITE CONDITION						
Vandalism, Cleanliness	**Good**		Bad	**Good**		Bad
Reviewed By						
Date	12/29/2003			12/31/2003		

Comments Gas flow meter inoperable, no temperatures gauges - Gauges removed and plugged where temp gauges used to be. Down stream Dp cell missing and plugged

Having trouble with starting flare my be due to poor gas levels

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

Date: 12/1/2003 Initials KMB

1. Downgradient Collection Sumps

	D-1								D-8								D-10							
	Pump 1				Pump 2																			
A. Circuit Breakers	**X**	On		Off	**X**	On		Off	**X**	On		Off	**X**	On		Off	**X**	On		Off	**X**	On		Off
B. Running Light On		Yes	**X**	No		Yes	**X**	No		Yes	**X**	No		Yes	**X**	No		Yes	**X**	No		Yes	**X**	No
C. Selector Switch Position Han-Off Automatic (HOA)	H	O	**A**			H	O	**A**	H	**O**	A			H	**O**	A	H	O	**A**			H	O	**A**
D. Liquid Level in Sump pump	**H**	L	O						**H**	L	O						**H**	L	O					
E. Leak in Manifold Piping		Yes	**X**	No						Yes	**X**	No						Yes	**X**	No				

Pumps	ETM
P-1	13145.5
P-2	17147.5

Pumps	ETM
P-1	16386.5
P-2	14713.2

Pumps	ETM
P-1	42413.4
P-2	40960.5

2. Downgradient and Curtain Drain

A. Is there settlement along alignment of downgradient curtain drain | | Yes | **X** | No |

3. D-1 Forcemain Flow Totalizer 585,587 x 100 =

$. D-1 Forcemain Pressure

D-8 Pumps do not work in Auto Mode - P1 O/S

FORM GWL-1 (continued)

3. LIFT STATION NO. 1

A. Flow from Curtain Drain	[ ] Low	[ ] Normal	[X] High	
B. Are Sump Pumps Operating		[ ] Yes	[X] No	
C. Alarm indicator Lights		[ ] Yes	[X] No	

Pumps	ETM	High Temp	Seal Fail	Fault
P-1	12958.2	[ ]	[ ]	[ ]
P-2	2816.7	[ ]	[ ]	[ ]

D. Check liquid level in sump	[ ] Low	[X] High	[ ] Other	
E. Check for leak in manifold leachate piping		[ ] Yes	[X] No	

4. LIFT STATION NO. 2

A. Settlement along buried section of forcemain	[ ] High	[X] No	
B. Are sump pumps operating	[ ] High	[X] No	
C. Are the alarms or indicator lights on	[ ] Yes	[X] No	

Pumps	ETM	High Temp	Seal Fail	Fault
P-1	881.9	[ ]	[ ]	[ ]
P-2	1305.8	[ ]	[ ]	[ ]

D. Check liquid level around stop planks Is the level,	[ ] Low	[X] High	[ ] Other	
E. Any leaks in the manifold discharge piping		[ ] Yes	[X] No	
F. Check surface water in the Bay and Rip-Rap Are there any signs of leachate		[ ] Yes	[X] No	
G. Check if a pump is out of service		[ ] Pump 1	[ ] Pump 2	

5. DECONTAMINATION TRAILER

A. Is the trailer clean/sanitary	[ ] Yes	[X] No
B. Is sump pump operating	[ ] Yes	[X] No

FORM GWL-1 (continued)

6. DECONTAMINATION PAD/TRUCK FILL AREA AND SUMP

A. Flow through sump weep holes [ ] Low [X] Normal [ ] High
B. Are Sump Pumps Operating [ ] Yes [X] No
C. Alarm indicator Lights [ ] Yes [X] No

Pumps	ETM	High Temp	Seal Fail	Fault
P-1	35028.0	[ ]	[ ]	[ ]
P-2	22065.0	[ ]	[ ]	[ ]

D. Check Decon-Area for leachate flow out of gravel perimeter [ ]
E. Check for leak in manifold discharge piping [ ] Yes [X] No
F. Check if pump is out of service [ ] P-1 [ ] P-2

F. Truck Fill Totalizer 853743

7. LEACHATE STORAGE CONTAINMENT AREA AND SUMP

A. Flow through sump weep holes [ ] Low [X] Normal [ ] High
B. Are sump pumps operating [ ] Yes [X] No
C. Alarm indicator Lights [ ] Yes [X] No

Pumps	ETM	High Temp	Seal Fail	Fault
P-1	1970.2	[ ]	[ ]	[ ]
P-2	3353.1	[ ]	[ ]	[ ]

D. Check liquid level in sump [ ] Low [ ] High [X] Other

E. Is there any leak in the storage tanks and manifold discharge piping [X] Yes [ ] No

G. Check if a pump is out of service [X] Pump 1 [ ] Pump 2

8. CARBON ADSROPTION SYSTEM

A. Air Compressors on [ ] Yes [X] No
B. Activated carbon canisters operating (On Line) [ ] Yes [X] No

	ETM
Blower 1	30806.5
Blower 2	

9. CONTRACT HP-877 FORCE MAIN DISCHARGE TO POTW

A. Leakage from pipwork in valve box beside Lift Station No. 1 [X] Yes [ ] No
B. Settlement along alignment of forcemain to Burr Avenue manhole [ ] Yes [X] No

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:

Lift Station No. 1	[X] Yes	[ ] No
Lift Station No. 2	[X] Yes	[ ] No
Decontamination Sump	[X] Yes	[ ] No
Storage Containment Sump	[X] Yes	[ ] No
Site Lighting	[X] Yes	[ ] No

11. SECURITY TRAILER AND FENCING

A. Sign-In-Review Visitors log and Check-In with Gaurds [X] Yes

B. Check cleanliness of trailer
Is trailer clean [X] Yes [ ] No

C. Check Collection System Alarm Panel
Storage Tank Levels: N/A [ ] 1/4 [ ] 1/2 [ ] 3/4 [ ] Full

Alarm Indicators:	Yes	No
Lift Stations	[ ]	[ ]
Sumps	[ ]	[ ]
Storage Tanks	[ ]	[ ]

D. Is the security fencing surrounding the equipment in good condition [ ] Yes [X] No

Notes: For noted deficiencies and problems provide description on form DP-1. Attached 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: 12/5/2003 Initials KMB

1. Downgradient Collection Sumps	D-1	D-8	D-10
	Pump 1 / Pump 2		
A. Circuit Breakers	X On / Off / X On / Off	X On / Off / X On / Off	X On / Off / X On / Off
B. Running Light On	Yes X No / Yes X No	Yes X No / Yes X No	Yes X No / Yes X No
C. Selector Switch Position Han-Off Automatic (HOA)	H O **A** / H O **A**	H **O** A / H **O** A	H O **A** / H O **A**
D. Liquid Level in Sump pump	**H** L O	**H** L O	**H** L O
E. Leak in Manifold Piping	Yes **X** No	Yes **X** No	Yes **X** No
	Pumps / ETM	Pumps / ETM	Pumps / ETM
	P-1 13156.4	P-1 16386.5	P-1 42413.4
	P-2 17158.5	P-2 14713.2	P-2 40960.5

2. Downgradient and Curtain Drain

A. Is there settlement along alignment of downgradient curtain drain — Yes **X** No

3. D-1 Forcemain Flow Totalizer 586,439 x 100 =

$. D-1 Forcemain Pressure

D-8 Pumps do not work in Auto Mode - P1 O/S

FORM GWL-1 (continued)

3. LIFT STATION NO. 1

A. Flow from Curtain Drain	[ ] Low	[ ] Normal	[X] High
B. Are Sump Pumps Operating		[ ] Yes	[X] No
C. Alarm indicator Lights		[ ] Yes	[X] No

Pumps	ETM	High Temp	Seal Fail	Fault
P-1	2962.9	[ ]	[ ]	[ ]
P-2	2816.7	[ ]	[ ]	[ ]

D. Check liquid level in sump	[ ] Low	[X] High	[ ] Other
E. Check for leak in manifold leachate piping		[ ] Yes	[X] No

4. LIFT STATION NO. 2

A. Settlement along buried section of forcemain		[ ] High	[X] No
B. Are sump pumps operating		[ ] High	[X] No
C. Are the alarms or indicator lights on		[ ] Yes	[X] No

Pumps	ETM	High Temp	Seal Fail	Fault
P-1	881.9	[ ]	[ ]	[ ]
P-2	1305.8	[ ]	[ ]	[ ]

D. Check liquid level around stop planks Is the level,	[ ] Low	[X] High	[ ] Other
E. Any leaks in the manifold discharge piping		[ ] Yes	[X] No
F. Check surface water in the Bay and Rip-Rap Are there any signs of leachate		[ ] Yes	[X] No
G. Check if a pump is out of service		[ ] Pump 1	[ ] Pump 2

5. DECONTAMINATION TRAILER

A. Is the trailer clean/sanitary	[ ] Yes	[X] No
B. Is sump pump operating	[ ] Yes	[X] No

FORM GWL-1 (continued)

6. DECONTAMINATION PAD/TRUCK FILL AREA AND SUMP

A. Flow through sump weep holes	[ ]	Low	[X]	Normal	[ ]	High
B. Are Sump Pumps Operating			[ ]	Yes	[X]	No
C. Alarm indicator Lights			[ ]	Yes	[X]	No

Pumps	ETM	High Temp	Seal Fail	Fault
P-1	35028.0	[ ]	[ ]	[ ]
P-2	22065.0	[ ]	[ ]	[ ]

D. Check Decon-Area for leachate flow out of gravel perimeter				[ ]
E. Check for leak in manifold discharge piping	[ ]	Yes	[X]	No
F. Check if pump is out of service	[ ]	P-1	[ ]	P-2

F. Truck Fill Totalizer 853743

7. LEACHATE STORAGE CONTAINMENT AREA AND SUMP

A. Flow through sump weep holes	[ ]	Low	[X]	Normal	[ ]	High
B. Are sump pumps operating			[ ]	Yes	[X]	No
C. Alarm indicator Lights			[ ]	Yes	[X]	No

Pumps	ETM	High Temp	Seal Fail	Fault
P-1	1970.2	[ ]	[ ]	[ ]
P-2	3353.1	[ ]	[ ]	[ ]

D. Check liquid level in sump	[ ]	Low	[ ]	High	[X]	Other
E. Is there any leak in the storage tanks and manifold discharge piping			[X]	Yes	[ ]	No
G. Check if a pump is out of service			[X]	Pump 1	[ ]	Pump 2

8. CARBON ADSROPTION SYSTEM

A. Air Compressors on	[ ]	Yes	[X]	No
B. Activated carbon canisters operating (On Line)	[ ]	Yes	[X]	No

	ETM
Blower 1	30806.5
Blower 2	

9. CONTRACT HP-877 FORCE MAIN DISCHARGE TO POTW

A. Leakage from pipwork in valve box beside Lift Station No. 1	[X]	Yes	[ ]	No
B. Settlement along alignment of forcemain to Burr Avenue manhole	[ ]	Yes	[X]	No

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:

Lift Station No. 1	[X] Yes	[ ] No
Lift Station No. 2	[X] Yes	[ ] No
Decontamination Sump	[X] Yes	[ ] No
Storage Containment Sump	[X] Yes	[ ] No
Site Lighting	[X] Yes	[ ] No

11. SECURITY TRAILER AND FENCING

A. Sign-In-Review Visitors log and Check-In with Gaurds [X] Yes

B. Check cleanliness of trailer
Is trailer clean [X] Yes [ ] No

C. Check Collection System Alarm Panel
Storage Tank Levels: N/A [ ] 1/4 [ ] 1/2 [ ] 3/4 [ ] Full

Alarm Indicators:	Yes	No
Lift Stations	[ ]	[ ]
Sumps	[ ]	[ ]
Storage Tanks	[ ]	[ ]

D. Is the security fencing surrounding the equipment in good condition [ ] Yes [X] No

Notes: For noted deficiencies and problems provide description on form DP-1. Attached 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: 12/8/2003 Initials KMB

1. Downgradient Collection Sumps

	D-1								D-8								D-10							
	Pump 1				Pump 2																			
A. Circuit Breakers	X	On		Off	X	On		Off	X	On		Off	X	On		Off	X	On		Off	X	On		Off
B. Running Light On		Yes	X	No		Yes	X	No		Yes	X	No		Yes	X	No		Yes	X	No		Yes	X	No
C. Selector Switch Position Han-Off Automatic (HOA)	H	O	A			H	O	A	H	O	A			H	O	A	H	O	A			H	O	A
D. Liquid Level in Sump pump	H	L	O						H	L	O						H	L	O					
E. Leak in Manifold Piping		Yes	X	No						Yes	X	No						Yes	X	No				

Pumps	ETM
P-1	13165.4
P-2	17167.5

Pumps	ETM
P-1	16386.5
P-2	14713.2

Pumps	ETM
P-1	42414
P-2	40961.1

2. Downgradient and Curtain Drain

A. Is there settlement along alignment of downgradient curtain drain | | Yes | X | No |

3. D-1 Forcemain Flow Totalizer 587,023 x 100 =

$. D-1 Forcemain Pressure

D-8 Pumps do not work in Auto Mode - P1 O/S

FORM GWL-1 (continued)

3. LIFT STATION NO. 1

A. Flow from Curtain Drain	[ ] Low	[ ] Normal	[X] High	
B. Are Sump Pumps Operating		[ ] Yes	[X] No	
C. Alarm indicator Lights		[ ] Yes	[X] No	

Pumps	ETM	High Temp	Seal Fail	Fault
P-1	2969.1	[ ]	[ ]	[ ]
P-2	2816.7	[ ]	[ ]	[ ]

D. Check liquid level in sump	[ ] Low	[X] High	[ ] Other	
E. Check for leak in manifold leachate piping		[ ] Yes	[X] No	

4. LIFT STATION NO. 2

A. Settlement along buried section of forcemain	[ ] High	[X] No	
B. Are sump pumps operating	[ ] High	[X] No	
C. Are the alarms or indicator lights on	[ ] Yes	[X] No	

Pumps	ETM	High Temp	Seal Fail	Fault
P-1	881.9	[ ]	[ ]	[ ]
P-2	1305.8	[ ]	[ ]	[ ]

D. Check liquid level around stop planks Is the level,	[ ] Low	[X] High	[ ] Other
E. Any leaks in the manifold discharge piping		[ ] Yes	[X] No
F. Check surface water in the Bay and Rip-Rap Are there any signs of leachate		[ ] Yes	[X] No
G. Check if a pump is out of service		[ ] Pump 1	[ ] Pump 2

5. DECONTAMINATION TRAILER

A. Is the trailer clean/sanitary	[ ] Yes	[X] No
B. Is sump pump operating	[ ] Yes	[X] No

FORM GWL-1 (continued)

6. DECONTAMINATION PAD/TRUCK FILL AREA AND SUMP

A. Flow through sump weep holes	[ ] Low	[X] Normal	[ ] High
B. Are Sump Pumps Operating		[ ] Yes	[X] No
C. Alarm indicator Lights		[ ] Yes	[X] No

Pumps	ETM	High Temp	Seal Fail	Fault
P-1	35031.8	[ ]	[ ]	[ ]
P-2	22065.3	[ ]	[ ]	[ ]

D. Check Decon-Area for leachate flow out of gravel perimeter		[ ]
E. Check for leak in manifold discharge piping	[ ] Yes	[X] No
F. Check if pump is out of service	[ ] P-1	[ ] P-2

F. Truck Fill Totalizer 853743

7. LEACHATE STORAGE CONTAINMENT AREA AND SUMP

A. Flow through sump weep holes	[ ] Low	[X] Normal	[ ] High
B. Are sump pumps operating		[ ] Yes	[X] No
C. Alarm indicator Lights		[ ] Yes	[X] No

Pumps	ETM	High Temp	Seal Fail	Fault
P-1	1970.2	[ ]	[ ]	[ ]
P-2	3353.1	[ ]	[ ]	[ ]

D. Check liquid level in sump	[ ] Low	[ ] High	[X] Other
E. Is there any leak in the storage tanks and manifold discharge piping		[X] Yes	[ ] No
G. Check if a pump is out of service		[X] Pump 1	[ ] Pump 2

8. CARBON ADSROPTION SYSTEM

A. Air Compressors on	[ ] Yes	[X] No
B. Activated carbon canisters operating (On Line)	[ ] Yes	[X] No

	ETM
Blower 1	30806.5
Blower 2	

9. CONTRACT HP-877 FORCE MAIN DISCHARGE TO POTW

A. Leakage from pipwork in valve box beside Lift Station No. 1	[X] Yes	[ ] No
B. Settlement along alignment of forcemain to Burr Avenue manhole	[ ] Yes	[X] No

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:

Lift Station No. 1	[X] Yes	[ ] No
Lift Station No. 2	[X] Yes	[ ] No
Decontamination Sump	[X] Yes	[ ] No
Storage Containment Sump	[X] Yes	[ ] No
Site Lighting	[X] Yes	[ ] No

11. SECURITY TRAILER AND FENCING

A. Sign-In-Review Visitors log and Check-In with Gaurds [X] Yes

B. Check cleanliness of trailer
Is trailer clean [X] Yes [ ] No

C. Check Collection System Alarm Panel
Storage Tank Levels: N/A [ ] 1/4 [ ] 1/2 [ ] 3/4 [ ] Full

Alarm Indicators:	Yes	No
Lift Stations	[ ]	[ ]
Sumps	[ ]	[ ]
Storage Tanks	[ ]	[ ]

D. Is the security fencing surrounding the equipment in good condition [ ] Yes [X] No

Notes: For noted deficiencies and problems provide description on form DP-1. Attached 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: 12/12/2003 Initials KMB

1. Downgradient Collection Sumps

	D-1								D-8								D-10							
	Pump 1				Pump 2																			
A. Circuit Breakers	**X**	On		Off	**X**	On		Off	**X**	On		Off	**X**	On		Off	**X**	On		Off	**X**	On		Off
B. Running Light On		Yes	**X**	No		Yes	**X**	No		Yes	**X**	No		Yes	**X**	No		Yes	**X**	No		Yes	**X**	No
C. Selector Switch Position Han-Off Automatic (HOA)	H	O	**A**			H	O	**A**	H	**O**	A			H	**O**	A	H	O	**A**			H	O	**A**
D. Liquid Level in Sump pump	**H**	L	O						**H**	L	O						**H**	L	O					
E. Leak in Manifold Piping		Yes	**X**	No						Yes	**X**	No						Yes	**X**	No				

Pumps	ETM
P-1	13177.2
P-2	17179.4

Pumps	ETM
P-1	16386.5
P-2	14713.2

Pumps	ETM
P-1	**42414**
P-2	40961.1

2. Downgradient and Curtain Drain

A. Is there settlement along alignment of downgradient curtain drain | | Yes | **X** | No |

3. D-1 Forcemain Flow Totalizer 587,740 x 100 =

$. D-1 Forcemain Pressure

D-8 Pumps do not work in Auto Mode - P1 O/S

FORM GWL-1 (continued)

3. LIFT STATION NO. 1

A. Flow from Curtain Drain	[ ] Low	[ ] Normal	[X] High	
B. Are Sump Pumps Operating		[ ] Yes	[X] No	
C. Alarm indicator Lights		[ ] Yes	[X] No	

Pumps	ETM	High Temp	Seal Fail	Fault
P-1	2986.0	[ ]	[ ]	[ ]
P-2	2816.7	[ ]	[ ]	[ ]

D. Check liquid level in sump	[ ] Low	[X] High	[ ] Other	
E. Check for leak in manifold leachate piping		[ ] Yes	[X] No	

4. LIFT STATION NO. 2

A. Settlement along buried section of forcemain	[ ] High	[X] No	
B. Are sump pumps operating	[ ] High	[X] No	
C. Are the alarms or indicator lights on	[ ] Yes	[X] No	

Pumps	ETM	High Temp	Seal Fail	Fault
P-1	881.9	[ ]	[ ]	[ ]
P-2	1305.8	[ ]	[ ]	[ ]

D. Check liquid level around stop planks Is the level,	[ ] Low	[X] High	[ ] Other	
E. Any leaks in the manifold discharge piping		[ ] Yes	[X] No	
F. Check surface water in the Bay and Rip-Rap Are there any signs of leachate		[ ] Yes	[X] No	
G. Check if a pump is out of service		[ ] Pump 1	[ ] Pump 2	

5. DECONTAMINATION TRAILER

A. Is the trailer clean/sanitary	[ ] Yes	[X] No
B. Is sump pump operating	[ ] Yes	[X] No

FORM GWL-1 (continued)

6. DECONTAMINATION PAD/TRUCK FILL AREA AND SUMP

A. Flow through sump weep holes	[ ] Low	[X] Normal	[ ] High
B. Are Sump Pumps Operating		[ ] Yes	[X] No
C. Alarm indicator Lights		[ ] Yes	[X] No

Pumps	ETM	High Temp	Seal Fail	Fault
P-1	35118.3	[ ]	[ ]	[ ]
P-2	22065.3	[ ]	[ ]	[ ]

D. Check Decon-Area for leachate flow out of gravel perimeter		[ ]
E. Check for leak in manifold discharge piping	[ ] Yes	[X] No
F. Check if pump is out of service	[ ] P-1	[ ] P-2

F. Truck Fill Totalizer 853743

7. LEACHATE STORAGE CONTAINMENT AREA AND SUMP

A. Flow through sump weep holes	[ ] Low	[X] Normal	[ ] High
B. Are sump pumps operating		[ ] Yes	[X] No
C. Alarm indicator Lights		[ ] Yes	[X] No

Pumps	ETM	High Temp	Seal Fail	Fault
P-1	1970.2	[ ]	[ ]	[ ]
P-2	3353.1	[ ]	[ ]	[ ]

D. Check liquid level in sump	[ ] Low	[ ] High	[X] Other
E. Is there any leak in the storage tanks and manifold discharge piping		[X] Yes	[ ] No
G. Check if a pump is out of service		[X] Pump 1	[ ] Pump 2

8. CARBON ADSROPTION SYSTEM

A. Air Compressors on	[ ] Yes	[X] No
B. Activated carbon canisters operating (On Line)	[ ] Yes	[X] No

	ETM
Blower 1	30806.5
Blower 2	

9. CONTRACT HP-877 FORCE MAIN DISCHARGE TO POTW

A. Leakage from pipwork in valve box beside Lift Station No. 1	[X] Yes	[ ] No
B. Settlement along alignment of forcemain to Burr Avenue manhole	[ ] Yes	[X] No

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:

Lift Station No. 1	[X] Yes	[ ] No
Lift Station No. 2	[X] Yes	[ ] No
Decontamination Sump	[X] Yes	[ ] No
Storage Containment Sump	[X] Yes	[ ] No
Site Lighting	[X] Yes	[ ] No

11. SECURITY TRAILER AND FENCING

A. Sign-In-Review Visitors log and Check-In with Gaurds [X] Yes

B. Check cleanliness of trailer
Is trailer clean [X] Yes [ ] No

C. Check Collection System Alarm Panel
Storage Tank Levels: N/A [ ] 1/4 [ ] 1/2 [ ] 3/4 [ ] Full

Alarm Indicators:	Yes	No
Lift Stations	[ ]	[ ]
Sumps	[ ]	[ ]
Storage Tanks	[ ]	[ ]

D. Is the security fencing surrounding the equipment in good condition [ ] Yes [X] No

Notes: For noted deficiencies and problems provide description on form DP-1. Attached 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: 12/15/2003 Initials KMB

1. Downgradient Collection Sumps	D-1	D-8	D-10
	Pump 1 / Pump 2		
A. Circuit Breakers	**X** On / Off / **X** On / Off	**X** On / Off / **X** On / Off	**X** On / Off / **X** On / Off
B. Running Light On	Yes / **X** No / Yes / **X** No	Yes / **X** No / Yes / **X** No	Yes / **X** No / Yes / **X** No
C. Selector Switch Position Han-Off Automatic (HOA)	H O **A** / H O **A**	H **O** A / H **O** A	H O **A** / H O **A**
D. Liquid Level in Sump pump	**H** L O	**H** L O	**H** L O
E. Leak in Manifold Piping	Yes / **X** No	Yes / **X** No	Yes / **X** No
	Pumps: P-1, P-2 / ETM: 13202.4, 17204.5	Pumps: P-1, P-2 / ETM: 16386.5, 14713.2	Pumps: P-1, P-2 / ETM: 42414, 40961.1

2. Downgradient and Curtain Drain

A. Is there settlement along alignment of downgradient curtain drain — Yes / **X** No

3. D-1 Forcemain Flow Totalizer 590,032 x 100 =

$. D-1 Forcemain Pressure

D-8 Pumps do not work in Auto Mode - P1 O/S

FORM GWL-1 (continued)

3. LIFT STATION NO. 1

A. Flow from Curtain Drain	[ ] Low	[ ] Normal	[X] High	
B. Are Sump Pumps Operating		[ ] Yes	[X] No	
C. Alarm indicator Lights		[ ] Yes	[X] No	

Pumps	ETM	High Temp	Seal Fail	Fault
P-1	2997.6	[ ]	[ ]	[ ]
P-2	2818.3	[ ]	[ ]	[ ]

D. Check liquid level in sump	[ ] Low	[X] High	[ ] Other	
E. Check for leak in manifold leachate piping		[ ] Yes	[X] No	

4. LIFT STATION NO. 2

A. Settlement along buried section of forcemain	[ ] High	[X] No	
B. Are sump pumps operating	[ ] High	[X] No	
C. Are the alarms or indicator lights on	[ ] Yes	[X] No	

Pumps	ETM	High Temp	Seal Fail	Fault
P-1	881.9	[ ]	[ ]	[ ]
P-2	1305.8	[ ]	[ ]	[ ]

D. Check liquid level around stop planks Is the level,	[ ] Low	[X] High	[ ] Other	
E. Any leaks in the manifold discharge piping		[ ] Yes	[X] No	
F. Check surface water in the Bay and Rip-Rap Are there any signs of leachate		[ ] Yes	[X] No	
G. Check if a pump is out of service		[ ] Pump 1	[ ] Pump 2	

5. DECONTAMINATION TRAILER

A. Is the trailer clean/sanitary	[ ] Yes	[X] No
B. Is sump pump operating	[ ] Yes	[X] No

FORM GWL-1 (continued)

6. DECONTAMINATION PAD/TRUCK FILL AREA AND SUMP

A. Flow through sump weep holes	[ ] Low	[X] Normal	[ ] High
B. Are Sump Pumps Operating		[ ] Yes	[X] No
C. Alarm indicator Lights		[ ] Yes	[X] No

Pumps	ETM	High Temp	Seal Fail	Fault
P-1	35226.7	[ ]	[ ]	[ ]
P-2	22065.3	[ ]	[ ]	[ ]

D. Check Decon-Area for leachate flow out of gravel perimeter		[ ]
E. Check for leak in manifold discharge piping	[ ] Yes	[X] No
F. Check if pump is out of service	[ ] P-1	[ ] P-2

F. Truck Fill Totalizer 853743

7. LEACHATE STORAGE CONTAINMENT AREA AND SUMP

A. Flow through sump weep holes	[ ] Low	[X] Normal	[ ] High
B. Are sump pumps operating		[ ] Yes	[X] No
C. Alarm indicator Lights		[ ] Yes	[X] No

Pumps	ETM	High Temp	Seal Fail	Fault
P-1	1970.2	[ ]	[ ]	[ ]
P-2	3353.1	[ ]	[ ]	[ ]

D. Check liquid level in sump	[ ] Low	[ ] High	[X] Other
E. Is there any leak in the storage tanks and manifold discharge piping		[X] Yes	[ ] No
G. Check if a pump is out of service		[X] Pump 1	[ ] Pump 2

8. CARBON ADSROPTION SYSTEM

A. Air Compressors on	[ ] Yes	[X] No
B. Activated carbon canisters operating (On Line)	[ ] Yes	[X] No

	ETM
Blower 1	30806.5
Blower 2	

9. CONTRACT HP-877 FORCE MAIN DISCHARGE TO POTW

A. Leakage from pipwork in valve box beside Lift Station No. 1	[X] Yes	[ ] No
B. Settlement along alignment of forcemain to Burr Avenue manhole	[ ] Yes	[X] No

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:

Lift Station No. 1	[X] Yes	[ ] No
Lift Station No. 2	[X] Yes	[ ] No
Decontamination Sump	[X] Yes	[ ] No
Storage Containment Sump	[X] Yes	[ ] No
Site Lighting	[X] Yes	[ ] No

11. SECURITY TRAILER AND FENCING

A. Sign-In-Review Visitors log and Check-In with Gaurds [X] Yes

B. Check cleanliness of trailer
Is trailer clean [X] Yes [ ] No

C. Check Collection System Alarm Panel
Storage Tank Levels: N/A [ ] 1/4 [ ] 1/2 [ ] 3/4 [ ] Full

Alarm Indicators:	Yes	No
Lift Stations	[ ]	[ ]
Sumps	[ ]	[ ]
Storage Tanks	[ ]	[ ]

D. Is the security fencing surrounding the equipment in good condition [ ] Yes [X] No

Notes: For noted deficiencies and problems provide description on form DP-1. Attached 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: 12/19/2003 Initials KMB

1. Downgradient Collection Sumps

	D-1								D-8								D-10							
	Pump 1				Pump 2																			
A. Circuit Breakers	X	On		Off	X	On		Off	X	On		Off	X	On		Off	X	On		Off	X	On		Off
B. Running Light On		Yes	X	No		Yes	X	No		Yes	X	No		Yes	X	No		Yes	X	No		Yes	X	No
C. Selector Switch Position Han-Off Automatic (HOA)	H	O	A			H	O	A	H	O	A			H	O	A	H	O	A			H	O	A
D. Liquid Level in Sump pump	H	L	O						H	L	O						H	L	O					
E. Leak in Manifold Piping		Yes	X	No						Yes	X	No						Yes	X	No				

Pumps	ETM
P-1	13221.0
P-2	17223.2

Pumps	ETM
P-1	16386.5
P-2	14713.2

Pumps	ETM
P-1	42414
P-2	40961.1

2. Downgradient and Curtain Drain

A. Is there settlement along alignment of downgradient curtain drain | | Yes | X | No |

3. D-1 Forcemain Flow Totalizer 590,179 x 100 =

$. D-1 Forcemain Pressure

D-8 Pumps do not work in Auto Mode - P1 O/S

FORM GWL-1 (continued)

3. LIFT STATION NO. 1

A. Flow from Curtain Drain	[ ] Low	[ ] Normal	[X] High	
B. Are Sump Pumps Operating		[ ] Yes	[X] No	
C. Alarm indicator Lights		[ ] Yes	[X] No	

Pumps	ETM	High Temp	Seal Fail	Fault
P-1	3025.2	[ ]	[ ]	[ ]
P-2	2818.3	[ ]	[ ]	[ ]

D. Check liquid level in sump	[ ] Low	[X] High	[ ] Other
E. Check for leak in manifold leachate piping		[ ] Yes	[X] No

4. LIFT STATION NO. 2

A. Settlement along buried section of forcemain	[ ] High	[X] No	
B. Are sump pumps operating	[ ] High	[X] No	
C. Are the alarms or indicator lights on	[ ] Yes	[X] No	

Pumps	ETM	High Temp	Seal Fail	Fault
P-1	881.9	[ ]	[ ]	[ ]
P-2	1305.8	[ ]	[ ]	[ ]

D. Check liquid level around stop planks Is the level,	[ ] Low	[X] High	[ ] Other
E. Any leaks in the manifold discharge piping		[ ] Yes	[X] No
F. Check surface water in the Bay and Rip-Rap Are there any signs of leachate		[ ] Yes	[X] No
G. Check if a pump is out of service		[ ] Pump 1	[ ] Pump 2

5. DECONTAMINATION TRAILER

A. Is the trailer clean/sanitary	[ ] Yes	[X] No
B. Is sump pump operating	[ ] Yes	[X] No

FORM GWL-1 (continued)

6. DECONTAMINATION PAD/TRUCK FILL AREA AND SUMP

A. Flow through sump weep holes	[ ] Low	[X] Normal	[ ] High
B. Are Sump Pumps Operating		[ ] Yes	[X] No
C. Alarm indicator Lights		[ ] Yes	[X] No

Pumps	ETM	High Temp	Seal Fail	Fault
P-1	35266.2	[ ]	[ ]	[ ]
P-2	22065.3	[ ]	[ ]	[ ]

D. Check Decon-Area for leachate flow out of gravel perimeter			[ ]
E. Check for leak in manifold discharge piping	[ ] Yes	[X] No	
F. Check if pump is out of service	[ ] P-1	[ ] P-2	

F. Truck Fill Totalizer 853743

7. LEACHATE STORAGE CONTAINMENT AREA AND SUMP

A. Flow through sump weep holes	[ ] Low	[X] Normal	[ ] High
B. Are sump pumps operating		[ ] Yes	[X] No
C. Alarm indicator Lights		[ ] Yes	[X] No

Pumps	ETM	High Temp	Seal Fail	Fault
P-1	1970.2	[ ]	[ ]	[ ]
P-2	3353.1	[ ]	[ ]	[ ]

D. Check liquid level in sump	[ ] Low	[ ] High	[X] Other
E. Is there any leak in the storage tanks and manifold discharge piping		[X] Yes	[ ] No
G. Check if a pump is out of service		[X] Pump 1	[ ] Pump 2

8. CARBON ADSROPTION SYSTEM

A. Air Compressors on	[ ] Yes	[X] No
B. Activated carbon canisters operating (On Line)	[ ] Yes	[X] No

	ETM
Blower 1	30806.5
Blower 2	

9. CONTRACT HP-877 FORCE MAIN DISCHARGE TO POTW

A. Leakage from pipwork in valve box beside Lift Station No. 1	[X] Yes	[ ] No
B. Settlement along alignment of forcemain to Burr Avenue manhole	[ ] Yes	[X] No

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:

Lift Station No. 1	[X] Yes	[ ] No
Lift Station No. 2	[X] Yes	[ ] No
Decontamination Sump	[X] Yes	[ ] No
Storage Containment Sump	[X] Yes	[ ] No
Site Lighting	[X] Yes	[ ] No

11. SECURITY TRAILER AND FENCING

A. Sign-In-Review Visitors log and Check-In with Gaurds [X] Yes

B. Check cleanliness of trailer
Is trailer clean [X] Yes [ ] No

C. Check Collection System Alarm Panel
Storage Tank Levels: N/A [ ] 1/4 [ ] 1/2 [ ] 3/4 [ ] Full

Alarm Indicators:	Yes	No
Lift Stations	[ ]	[ ]
Sumps	[ ]	[ ]
Storage Tanks	[ ]	[ ]

D. Is the security fencing surrounding the equipment in good condition [ ] Yes [X] No

Notes: For noted deficiencies and problems provide description on form DP-1. Attached 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: 12/22/2003 Initials KMB

1. Downgradient Collection Sumps	D-1								D-8								D-10							
	Pump 1				Pump 2																			
A. Circuit Breakers	**X**	On		Off	**X**	On		Off	**X**	On		Off	**X**	On		Off	**X**	On		Off	**X**	On		Off
B. Running Light On		Yes	**X**	No		Yes	**X**	No		Yes	**X**	No		Yes	**X**	No		Yes	**X**	No		Yes	**X**	No
C. Selector Switch Position Han-Off Automatic (HOA)	H	O	**A**			H	O	**A**	H	**O**	A			H	**O**	A	H	O	**A**			H	O	**A**
D. Liquid Level in Sump pump	**H**	L	O						**H**	L	O						**H**	L	O					
E. Leak in Manifold Piping		Yes	**X**	No						Yes	**X**	No						**Yes**	**X**	No				
	Pumps	ETM							Pumps	ETM							Pumps	ETM						
	P-1	13274.9							P-1	16386.5							P-1	42414						
	P-2	17276.8							P-2	14713.2							P-2	40961.1						

2. Downgradient and Curtain Drain

A. Is there settlement along alignment of downgradient curtain drain | | Yes | **X** | No |

3. D-1 Forcemain Flow Totalizer 592,604 x 100 =

$. D-1 Forcemain Pressure

D-8 Pumps do not work in Auto Mode - P1 O/S

FORM GWL-1 (continued)

3. LIFT STATION NO. 1

A. Flow from Curtain Drain	[ ] Low	[ ] Normal	[X] High
B. Are Sump Pumps Operating		[ ] Yes	[X] No
C. Alarm indicator Lights		[ ] Yes	[X] No

Pumps	ETM	High Temp	Seal Fail	Fault
P-1	3039.4	[ ]	[ ]	[ ]
P-2	2818.3	[ ]	[ ]	[ ]

D. Check liquid level in sump	[ ] Low	[X] High	[ ] Other
E. Check for leak in manifold leachate piping		[ ] Yes	[X] No

4. LIFT STATION NO. 2

A. Settlement along buried section of forcemain		[ ] High	[X] No
B. Are sump pumps operating		[ ] High	[X] No
C. Are the alarms or indicator lights on		[ ] Yes	[X] No

Pumps	ETM	High Temp	Seal Fail	Fault
P-1	881.9	[ ]	[ ]	[ ]
P-2	1305.8	[ ]	[ ]	[ ]

D. Check liquid level around stop planks Is the level,	[ ] Low	[X] High	[ ] Other
E. Any leaks in the manifold discharge piping		[ ] Yes	[X] No
F. Check surface water in the Bay and Rip-Rap Are there any signs of leachate		[ ] Yes	[X] No
G. Check if a pump is out of service		[ ] Pump 1	[ ] Pump 2

5. DECONTAMINATION TRAILER

A. Is the trailer clean/sanitary	[ ] Yes	[X] No
B. Is sump pump operating	[ ] Yes	[X] No

FORM GWL-1 (continued)

6. DECONTAMINATION PAD/TRUCK FILL AREA AND SUMP

A. Flow through sump weep holes	[ ] Low	[X] Normal	[ ] High
B. Are Sump Pumps Operating		[ ] Yes	[X] No
C. Alarm indicator Lights		[ ] Yes	[X] No

Pumps	ETM	High Temp	Seal Fail	Fault
P-1	35274.7	[ ]	[ ]	[ ]
P-2	22065.3	[ ]	[ ]	[ ]

D. Check Decon-Area for leachate flow out of gravel perimeter			[ ]
E. Check for leak in manifold discharge piping	[ ] Yes	[X] No	
F. Check if pump is out of service	[ ] P-1	[ ] P-2	

F. Truck Fill Totalizer 853743

7. LEACHATE STORAGE CONTAINMENT AREA AND SUMP

A. Flow through sump weep holes	[ ] Low	[X] Normal	[ ] High
B. Are sump pumps operating		[ ] Yes	[X] No
C. Alarm indicator Lights		[ ] Yes	[X] No

Pumps	ETM	High Temp	Seal Fail	Fault
P-1	1970.2	[ ]	[ ]	[ ]
P-2	3353.1	[ ]	[ ]	[ ]

D. Check liquid level in sump	[ ] Low	[ ] High	[X] Other
E. Is there any leak in the storage tanks and manifold discharge piping		[X] Yes	[ ] No
G. Check if a pump is out of service		[X] Pump 1	[ ] Pump 2

8. CARBON ADSROPTION SYSTEM

A. Air Compressors on	[ ] Yes	[X] No
B. Activated carbon canisters operating (On Line)	[ ] Yes	[X] No

	ETM
Blower 1	30806.5
Blower 2	

9. CONTRACT HP-877 FORCE MAIN DISCHARGE TO POTW

A. Leakage from pipwork in valve box beside Lift Station No. 1	[X] Yes	[ ] No
B. Settlement along alignment of forcemain to Burr Avenue manhole	[ ] Yes	[X] No

FORM GWL-1 (continued)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:

Lift Station No. 1	[X] Yes	[ ] No
Lift Station No. 2	[X] Yes	[ ] No
Decontamination Sump	[X] Yes	[ ] No
Storage Containment Sump	[X] Yes	[ ] No
Site Lighting	[X] Yes	[ ] No

11. SECURITY TRAILER AND FENCING

A. Sign-In-Review Visitors log and Check-In with Gaurds [X] Yes

B. Check cleanliness of trailer
Is trailer clean [X] Yes [ ] No

C. Check Collection System Alarm Panel
Storage Tank Levels: N/A [ ] 1/4 [ ] 1/2 [ ] 3/4 [ ] Full

Alarm Indicators:	Yes	No
Lift Stations	[ ]	[ ]
Sumps	[ ]	[ ]
Storage Tanks	[ ]	[ ]

D. Is the security fencing surrounding the equipment in good condition [ ] Yes [X] No

Notes: For noted deficiencies and problems provide description on form DP-1. Attached 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: 12/26/2003 Initials KMB

1. Downgradient Collection Sumps

	D-1								D-8								D-10							
	Pump 1				Pump 2																			
A. Circuit Breakers	**X**	On		Off	**X**	On		Off	**X**	On		Off	**X**	On		Off	**X**	On		Off	**X**	On		Off
B. Running Light On		Yes	**X**	No		Yes	**X**	No		Yes	**X**	No		Yes	**X**	No		Yes	**X**	No		Yes	**X**	No
C. Selector Switch Position Han-Off Automatic (HOA)	H	O	**A**			H	O	**A**	H	**O**	A			H	**O**	A	H	O	**A**			H	O	**A**
D. Liquid Level in Sump pump	**H**	L	O						**H**	L	O						**H**	L	O					
E. Leak in Manifold Piping		Yes	**X**	No						Yes	**X**	No						Yes	**X**	No				

Pumps	ETM
P-1	13306.4
P-2	17307.4

Pumps	ETM
P-1	16386.5
P-2	14713.2

Pumps	ETM
P-1	42414
P-2	40961.1

2. Downgradient and Curtain Drain

A. Is there settlement along alignment of downgradient curtain drain | | Yes | **X** | No |

3. D-1 Forcemain Flow Totalizer 594,366 x 100 =

$. D-1 Forcemain Pressure

D-8 Pumps do not work in Auto Mode - P1 O/S

FORM GWL-1 (continued)

3. LIFT STATION NO. 1

A. Flow from Curtain Drain	[ ] Low	[ ] Normal	[X] High
B. Are Sump Pumps Operating		[ ] Yes	[X] No
C. Alarm indicator Lights		[ ] Yes	[X] No

Pumps	ETM	High Temp	Seal Fail	Fault
P-1	3061.1	[ ]	[ ]	[ ]
P-2	2818.3	[ ]	[ ]	[ ]

D. Check liquid level in sump	[ ] Low	[X] High	[ ] Other
E. Check for leak in manifold leachate piping		[ ] Yes	[X] No

4. LIFT STATION NO. 2

A. Settlement along buried section of forcemain		[ ] High	[X] No
B. Are sump pumps operating		[ ] High	[X] No
C. Are the alarms or indicator lights on		[ ] Yes	[X] No

Pumps	ETM	High Temp	Seal Fail	Fault
P-1	881.9	[ ]	[ ]	[ ]
P-2	1305.8	[ ]	[ ]	[ ]

D. Check liquid level around stop planks Is the level,	[ ] Low	[X] High	[ ] Other
E. Any leaks in the manifold discharge piping		[ ] Yes	[X] No
F. Check surface water in the Bay and Rip-Rap Are there any signs of leachate		[ ] Yes	[X] No
G. Check if a pump is out of service		[ ] Pump 1	[ ] Pump 2

5. DECONTAMINATION TRAILER

A. Is the trailer clean/sanitary	[ ] Yes	[X] No
B. Is sump pump operating	[ ] Yes	[X] No

FORM GWL-1 (continued)

6. DECONTAMINATION PAD/TRUCK FILL AREA AND SUMP

A. Flow through sump weep holes	[ ] Low	[X] Normal	[ ] High
B. Are Sump Pumps Operating		[ ] Yes	[X] No
C. Alarm indicator Lights		[ ] Yes	[X] No

Pumps	ETM	High Temp	Seal Fail	Fault
P-1	35343.7	[ ]	[ ]	[ ]
P-2	22065.3	[ ]	[ ]	[ ]

D. Check Decon-Area for leachate flow out of gravel perimeter		[ ]
E. Check for leak in manifold discharge piping	[ ] Yes	[X] No
F. Check if pump is out of service	[ ] P-1	[ ] P-2

F. Truck Fill Totalizer 853743

7. LEACHATE STORAGE CONTAINMENT AREA AND SUMP

A. Flow through sump weep holes	[ ] Low	[X] Normal	[ ] High
B. Are sump pumps operating		[ ] Yes	[X] No
C. Alarm indicator Lights		[ ] Yes	[X] No

Pumps	ETM	High Temp	Seal Fail	Fault
P-1	1970.2	[ ]	[ ]	[ ]
P-2	3353.1	[ ]	[ ]	[ ]

D. Check liquid level in sump	[ ] Low	[ ] High	[X] Other
E. Is there any leak in the storage tanks and manifold discharge piping		[X] Yes	[ ] No
G. Check if a pump is out of service		[X] Pump 1	[ ] Pump 2

8. CARBON ADSROPTION SYSTEM

A. Air Compressors on	[ ] Yes	[X] No
B. Activated carbon canisters operating (On Line)	[ ] Yes	[X] No

	ETM
Blower 1	30806.5
Blower 2	

9. CONTRACT HP-877 FORCE MAIN DISCHARGE TO POTW

A. Leakage from pipwork in valve box beside Lift Station No. 1	[X] Yes	[ ] No
B. Settlement along alignment of forcemain to Burr Avenue manhole	[ ] Yes	[X] No

FORM GWL-1 (continued)

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:

Lift Station No. 1	[X] Yes	[ ] No
Lift Station No. 2	[X] Yes	[ ] No
Decontamination Sump	[X] Yes	[ ] No
Storage Containment Sump	[X] Yes	[ ] No
Site Lighting	[X] Yes	[ ] No

11. SECURITY TRAILER AND FENCING

A. Sign-In-Review Visitors log and Check-In with Gaurds [X] Yes

B. Check cleanliness of trailer
Is trailer clean [X] Yes [ ] No

C. Check Collection System Alarm Panel
Storage Tank Levels: N/A [ ] 1/4 [ ] 1/2 [ ] 3/4 [ ] Full

Alarm Indicators:	Yes	No
Lift Stations	[ ]	[ ]
Sumps	[ ]	[ ]
Storage Tanks	[ ]	[ ]

D. Is the security fencing surrounding the equipment in good condition [ ] Yes [X] No

Notes: For noted deficiencies and problems provide description on form DP-1. Attached 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: 12/29/2003 Initials KMB

1. Downgradient Collection Sumps

	D-1								D-8								D-10							
	Pump 1				Pump 2																			
A. Circuit Breakers	**X**	On		Off	**X**	On		Off	**X**	On		Off	**X**	On		Off	**X**	On		Off	**X**	On		Off
B. Running Light On		Yes	**X**	No		Yes	**X**	No		Yes	**X**	No		Yes	**X**	No		Yes	**X**	No		Yes	**X**	No
C. Selector Switch Position Han-Off Automatic (HOA)	H	O	**A**			H	O	**A**	H	**O**	A			H	**O**	A	H	O	**A**			H	O	**A**
D. Liquid Level in Sump pump	**H**	L	O						**H**	L	O						**H**	L	O					
E. Leak in Manifold Piping		Yes	**X**	No						Yes	**X**	No						Yes	**X**	No				

D-1		D-8		D-10	
Pumps	ETM	Pumps	ETM	Pumps	ETM
P-1	13328.4	P-1	16386.5	P-1	42414
P-2	17329.4	P-2	14713.2	P-2	40961.1

2. Downgradient and Curtain Drain

A. Is there settlement along alignment of downgradient curtain drain | | Yes | **X** | No |

3. D-1 Forcemain Flow Totalizer 595,552 x 100 =

$. D-1 Forcemain Pressure

D-8 Pumps do not work in Auto Mode - P1 O/S

FORM GWL-1 (continued)

3. LIFT STATION NO. 1

A. Flow from Curtain Drain	[ ] Low	[ ] Normal	[X] High	
B. Are Sump Pumps Operating		[ ] Yes	[X] No	
C. Alarm indicator Lights		[ ] Yes	[X] No	

Pumps	ETM	High Temp	Seal Fail	Fault
P-1	3069.8	[ ]	[ ]	[ ]
P-2	2818.3	[ ]	[ ]	[ ]

D. Check liquid level in sump	[ ] Low	[X] High	[ ] Other	
E. Check for leak in manifold leachate piping		[ ] Yes	[X] No	

4. LIFT STATION NO. 2

A. Settlement along buried section of forcemain	[ ] High	[X] No	
B. Are sump pumps operating	[ ] High	[X] No	
C. Are the alarms or indicator lights on	[ ] Yes	[X] No	

Pumps	ETM	High Temp	Seal Fail	Fault
P-1	881.9	[ ]	[ ]	[ ]
P-2	1305.8	[ ]	[ ]	[ ]

D. Check liquid level around stop planks Is the level,	[ ] Low	[X] High	[ ] Other
E. Any leaks in the manifold discharge piping		[ ] Yes	[X] No
F. Check surface water in the Bay and Rip-Rap Are there any signs of leachate		[ ] Yes	[X] No
G. Check if a pump is out of service		[ ] Pump 1	[ ] Pump 2

5. DECONTAMINATION TRAILER

A. Is the trailer clean/sanitary	[ ] Yes	[X] No
B. Is sump pump operating	[ ] Yes	[X] No

FORM GWL-1 (continued)

6. DECONTAMINATION PAD/TRUCK FILL AREA AND SUMP

A. Flow through sump weep holes	[ ] Low	[X] Normal	[ ] High
B. Are Sump Pumps Operating		[ ] Yes	[X] No
C. Alarm indicator Lights		[ ] Yes	[X] No

Pumps	ETM	High Temp	Seal Fail	Fault
P-1	35343.7	[ ]	[ ]	[ ]
P-2	22065.3	[ ]	[ ]	[ ]

D. Check Decon-Area for leachate flow out of gravel perimeter			[ ]
E. Check for leak in manifold discharge piping	[ ] Yes	[X] No	
F. Check if pump is out of service	[ ] P-1	[ ] P-2	

F. Truck Fill Totalizer 853743

7. LEACHATE STORAGE CONTAINMENT AREA AND SUMP

A. Flow through sump weep holes	[ ] Low	[X] Normal	[ ] High
B. Are sump pumps operating		[ ] Yes	[X] No
C. Alarm indicator Lights		[ ] Yes	[X] No

Pumps	ETM	High Temp	Seal Fail	Fault
P-1	1970.2	[ ]	[ ]	[ ]
P-2	3353.1	[ ]	[ ]	[ ]

D. Check liquid level in sump	[ ] Low	[ ] High	[X] Other
E. Is there any leak in the storage tanks and manifold discharge piping		[X] Yes	[ ] No
G. Check if a pump is out of service		[X] Pump 1	[ ] Pump 2

8. CARBON ADSROPTION SYSTEM

A. Air Compressors on	[ ] Yes	[X] No
B. Activated carbon canisters operating (On Line)	[ ] Yes	[X] No

	ETM
Blower 1	30806.5
Blower 2	

9. CONTRACT HP-877 FORCE MAIN DISCHARGE TO POTW

A. Leakage from pipwork in valve box beside Lift Station No. 1	[X] Yes	[ ] No
B. Settlement along alignment of forcemain to Burr Avenue manhole	[ ] Yes	[X] No

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:

Lift Station No. 1	[X] Yes	[ ] No
Lift Station No. 2	[X] Yes	[ ] No
Decontamination Sump	[X] Yes	[ ] No
Storage Containment Sump	[X] Yes	[ ] No
Site Lighting	[X] Yes	[ ] No

11. SECURITY TRAILER AND FENCING

A. Sign-In-Review Visitors log and Check-In with Gaurds [X] Yes

B. Check cleanliness of trailer
Is trailer clean [X] Yes [ ] No

C. Check Collection System Alarm Panel
Storage Tank Levels: N/A [ ] 1/4 [ ] 1/2 [ ] 3/4 [ ] Full

Alarm Indicators:	Yes	No
Lift Stations	[ ]	[ ]
Sumps	[ ]	[ ]
Storage Tanks	[ ]	[ ]

D. Is the security fencing surrounding the equipment in good condition [ ] Yes [X] No

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

FORM GWL-1 (continued)

3. LIFT STATION NO. 1

A. Flow from Curtain Drain	[ ] Low	[ ] Normal	[X] High	
B. Are Sump Pumps Operating		[ ] Yes	[X] No	
C. Alarm indicator Lights		[ ] Yes	[X] No	

Pumps	ETM	High Temp	Seal Fail	Fault
P-1	3074.2	[ ]	[ ]	[ ]
P-2	2818.3	[ ]	[ ]	[ ]

D. Check liquid level in sump	[ ] Low	[X] High	[ ] Other	
E. Check for leak in manifold leachate piping		[ ] Yes	[X] No	

4. LIFT STATION NO. 2

A. Settlement along buried section of forcemain	[ ] High	[X] No	
B. Are sump pumps operating	[ ] High	[X] No	
C. Are the alarms or indicator lights on	[ ] Yes	[X] No	

Pumps	ETM	High Temp	Seal Fail	Fault
P-1	889.1	[ ]	[ ]	[ ]
P-2	1310.4	[ ]	[ ]	[ ]

D. Check liquid level around stop planks Is the level,	[ ] Low	[X] High	[ ] Other
E. Any leaks in the manifold discharge piping		[ ] Yes	[X] No
F. Check surface water in the Bay and Rip-Rap Are there any signs of leachate		[ ] Yes	[X] No
G. Check if a pump is out of service		[ ] Pump 1	[ ] Pump 2

5. DECONTAMINATION TRAILER

A. Is the trailer clean/sanitary	[ ] Yes	[X] No
B. Is sump pump operating	[ ] Yes	[X] No

FORM GWL-1 (continued)

6. DECONTAMINATION PAD/TRUCK FILL AREA AND SUMP

A. Flow through sump weep holes	[ ] Low	[X] Normal	[ ] High
B. Are Sump Pumps Operating		[ ] Yes	[X] No
C. Alarm indicator Lights		[ ] Yes	[X] No

Pumps	ETM	High Temp	Seal Fail	Fault
P-1	35349.5	[ ]	[ ]	[ ]
P-2	22065.3	[ ]	[ ]	[ ]

D. Check Decon-Area for leachate flow out of gravel perimeter			[ ]
E. Check for leak in manifold discharge piping	[ ] Yes	[X] No	
F. Check if pump is out of service	[ ] P-1	[ ] P-2	

F. Truck Fill Totalizer 853743

7. LEACHATE STORAGE CONTAINMENT AREA AND SUMP

A. Flow through sump weep holes	[ ] Low	[X] Normal	[ ] High
B. Are sump pumps operating		[ ] Yes	[X] No
C. Alarm indicator Lights		[ ] Yes	[X] No

Pumps	ETM	High Temp	Seal Fail	Fault
P-1	1970.2	[ ]	[ ]	[ ]
P-2	3353.1	[ ]	[ ]	[ ]

D. Check liquid level in sump	[ ] Low	[ ] High	[X] Other
E. Is there any leak in the storage tanks and manifold discharge piping		[X] Yes	[ ] No
G. Check if a pump is out of service		[X] Pump 1	[ ] Pump 2

8. CARBON ADSROPTION SYSTEM

A. Air Compressors on	[ ] Yes	[X] No
B. Activated carbon canisters operating (On Line)	[ ] Yes	[X] No

	ETM
Blower 1	30806.5
Blower 2	

9. CONTRACT HP-877 FORCE MAIN DISCHARGE TO POTW

A. Leakage from pipwork in valve box beside Lift Station No. 1	[X] Yes	[ ] No
B. Settlement along alignment of forcemain to Burr Avenue manhole	[ ] Yes	[X] No

10. MOTOR CONTROL CENTER (MCC)

A. Are all breakers, for the following equipment, in the ON position:

Lift Station No. 1	[X] Yes	[ ] No
Lift Station No. 2	[X] Yes	[ ] No
Decontamination Sump	[X] Yes	[ ] No
Storage Containment Sump	[X] Yes	[ ] No
Site Lighting	[X] Yes	[ ] No

11. SECURITY TRAILER AND FENCING

A. Sign-In-Review Visitors log and Check-In with Gaurds [X] Yes

B. Check cleanliness of trailer
Is trailer clean [X] Yes [ ] No

C. Check Collection System Alarm Panel
Storage Tank Levels: N/A [ ] 1/4 [ ] 1/2 [ ] 3/4 [ ] Full

Alarm Indicators:	Yes	No
Lift Stations	[ ]	[ ]
Sumps	[ ]	[ ]
Storage Tanks	[ ]	[ ]

D. Is the security fencing surrounding the equipment in good condition [ ] Yes [X] No

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

Appendix C – Copy of Log Book December 2003

11/18
made rounds
rained all day
flare still down
11/19
made rounds
bought chain saw from Boston Road
took ride-on lawnmower back
flare still down

11/04
made rounds
tanks are all most full, open value
to D-1 to drain tanks faster
did inspection

11/25
made rounds
Eli is here to work on heat tracing
by decon. trailer & repair D-8

12/1
made rounds
pumped LS-2
Peter, demetri, & ray on site
Eli on site

12/2
made rounds
did inspection
pumped LS-2
tried to start flare N/G

12/3
made rounds
pick up parts at grainer for Pete
tried to start flare N/G

12/4
Made rounds
started flare ran for about 2½ hrs
collected samples pw from pond C,
Lechate, and condensate for
Joe Covati

12/5
Made rounds
did inspections
snowing very hard all day

12/8
made rounds
plowed with the 380 pickup
All the roads and parking area near
the trailer
tried to start flare N/G
Pete, Ray, & Demateri on site
removing scaffold from tank Dorm
Area

12/9
made rounds
did inspection
tried to fix flat on blue truck N/G
tried to start flare 3x N/G

12/10
made rounds
fixed flat on blue truck, brought truck
to good year for service
found a mouse in trailer called pest
~~call~~ control on Gun Hill Rd. coming
tomorrow
tried to call Hann at tech support
in Houston about email problem, his
out for the day, will try again tomorrow

12/11
Made rounds
Rained very hard most of the day tried to start flare N/G

12/12
made rounds
d.d inspection
problem with power in LS-2 AREA

12/15
MADE rounds
tried to start flare N/G
NEED electrican to check power in LS-2 AREA
D.d inspection
12/16
D.d mw sampling all day with Shaun & Joe Covati

12/17
Rained all day
made rounds
cleaned up tool shed

12/18

made rounds

tank farm area overflow due to heavy rains on 12/12/03 draining into D-1 with an increased flow

tried to start flare for condensate sample for Joe, having no luck

12/19

made rounds

did inspection

tried to start flare, had it running for about 15 min. then it just shutes down

12/22

made rounds

did inspection

tried to fix spark plug in blue truck

12/23

made rounds

tried to start flare N/G

rained hard most of the day

12/28
made rounds
did inspection
tried to start flare N/G

12/29
made rounds
did inspection
rained all day

12/30
made rounds
tried to start flare N/G
pumped LS-2

12/31
made rounds
did inspections
rained in the morning
tried to start flare N/G

Attachment A – General Correspondence

file

SEVERN TRENT SERVICES

Operating Services

Water and Wastewater Systems Operation and Maintenance

Municipal and Industrial

Meter Reading and Billing

Design/Build/Operate (DBO) Contracts

Utility Management and Administration

Special Purpose Taxing Districts

December 29, 2003

Mr. John Wuthenow
NYCDEP OEPA 11th floor
59-17 Junction Blvd
Flushing, NY 11373

RE: Pelham Bay Landfill
Contract Registration No. 20030015700
Status of Gas Flare

Dear John:

This letter is to summarize the verbal discussions we have had regarding the status of the gas flare system at the Pelham Bay Landfill. As you are aware despite ongoing repair work and troubleshooting of the system by STES, AARCO, the electrical subcontractor, and AXD/Link Controls, the operation of the gas flare system remains problematic.

To date STES has complied with all requirements of our Contract under Section 5.3, Gas Collection System Repairs. These specific repairs are as follows: purchase and install two new blowers, refurbish the two existing blowers, repair the electrical system for the gas flare, install a p-trap in the gas flare condensate drain line, and replace all defective gas extraction well flexible tubing.

Two new blowers have been purchased from AXD. The blowers were delivered on June 25, 2003 and are presently stored in the onsite gray storage trailers. The Contract did not specify the purchase of a mist eliminator. According to AXD, a mist eliminator must be installed upstream from the new blowers for the blower warranty to be effective.

The purchase and installation of the mist eliminator is out-of- scope work and will require a Change Order. In a letter dated June 23, 2003, (attached), STES has requested an installation design specification from the NYCDEP for the mist

eliminator in order to determine the material and labor cost for the installation portion of the Change Order work. At present STES has not received this information.

As required by the Contract, both existing blowers have been re-built, re-aligned and are currently on-line. STES also performed mechanical troubleshooting and repair work under Task 15, Mechanics Labor. STES has rebuilt the motor for blower No. 1, as well as cleaned the pilot light, pilot light sensors and flame sensor and cleared the pilot gas lines. This work was completed in November 2003.

Under Change Order No. X-1, AXD and Link Controls were onsite on June 18, 2003 to troubleshoot any unforeseen problems with the electrical system prior to the installation of the contract specified electrical parts. They determined that no additional parts were necessary. The letter of findings from AXD is attached.

All Contract required electrical work was completed on July 31, 2003. This included purchase and installation of starting transformers, conductors and controls, auxiliary contacts and relays. AXD was on site for the installation of this equipment, however, the day following the installation, the blowers could not be started in the automatic sequence and once running sporadically shut down. STES e-mailed URS (attached) requesting direction on how to proceed with the correction of this problem, however, a response was not provided. This problem has been continuous since that time. STES contacted AXD and was informed that any additional site visits would be performed at cost. Since there are no provisions for this type of work in the Contract, a Change Order would have to be initiated and approved.

Under Task 8 of the Contract, STES had AARCO Electric troubleshoot the gas flare system, however, specific problems could not be determined. At the request of the NYCDEP, STES attempted to find an Electrical Controls Specialist to troubleshoot the system under Task 8, Electrician's Labor. However, this is not feasible as Task 8 is costed for an Electrician "M" hourly rate not that of an Electrical Controls Specialist. At this time, STES is waiting direction from the NYCDEP on how to proceed with further repairs of the gas flare system.

A p-trap has been installed in the gas condensate line. This work was performed in August 2003.

All defective flexible hoses on the gas extraction wells were repaired in the beginning of this Contract.

Due to Contract constraints, which limit the amount and type of work required to complete the installation of the mist eliminator and blowers and electrical control repairs, STES is requesting that the NYCDEP recommend alternative methods to complete this repair work.

STES is anxious to proceed with this phase of the Contract. Please contact either Barbara Stanton or myself to discuss this matter further. We can be reached at 516.674.6032.

Very truly yours,

Richard G. Gardner, P.E.
Regional Manager

Xc: file
D. Turney (NYCDEP)

SEVERN
TRENT
SERVICES

Severn Trent Services, Inc.
Environmental Services Group
100 Morris Avenue
Glen Cove, New York 11542

Tel 516 674 6032
Fax 516 674 0151

June 23, 2003

Mr. David Turney
NYCDEP OEPA 11th floor
59-17 Junction Blvd
Flushing, NY 11373

RE: Pelham Bay Landfill
Gas Flare System

Dear David:

During the site inspection conducted by AXD and Link Controls on June 18, 2003, STES became aware of a letter written in 1996 from AXD to Brecco stating the importance of a mist eliminator installed on the gas flare influent piping. Subsequently, in discussions with AXD, STES was notified that a full warranty on the new blowers cannot be issued by the manufacturer unless a mist eliminator is installed. A copy of that letter is also attached.

As you are aware, our present Agreement does not specify the purchase or installation of a mist eliminator. STES believes that it is in the best interest of the NYCEP to include the purchase and installation of the mist eliminator in the gas flare system upgrade. Such work will require stainless steel piping design for the influent and effluent landfill gas, and the condensate stainless steel drainage piping and tie-in for the mist eliminator unit. At the request of the NYCDEP, STES will prepare a Change Order for this work.

At this time STES is ready to commence work under the terms of Section 5.3 of our Agreement, which states specific repairs to the gas flare system. The two blowers, transformers and appurtenances are scheduled to be delivered to the site on Wednesday June 25, 2003. In

SEVERN TRENT SERVICES

anticipation of the approval of the Change Order for the purchase and installation of the mist eliminator, STES has requested delivery of the unit at this time in order to coordinate heavy equipment delivery and off-loading procedures.

STES will not install the new blowers until the mist eliminator is installed in order that the NYCDEP receive full warranty on the equipment. Installation of the mist eliminator will be subsequent to the approval of the Change Order. Both the blowers and the mist eliminator will be stored in the onsite storage containers.

On Wednesday June 25, 2003, STES will install the re-built no. 2 blower, which is presently stored in the onsite gray storage trailer.

The Section 5.3 electrical system work will be coordinated with STES with oversite provided by AXD and Link controls. STES will receive a written report of the findings of the AXD/Link Controls June 18, 2003 site inspection, which will address any control panel deficiencies (a copy will be forwarded to the NYCDEP). As part of their proposal, AXD will provide the parts necessary to correct these deficiencies. STES will notify the NYCDEP as soon as this work is scheduled.

At this time, STES is prepared to commence work on the Change Order to purchase and install the mist eliminator. We are requesting that you advise us on this issue at your earliest convenience.

Very truly yours,

Barbara L. Stanton. P.E.
Project Manager

Xc: file
J. Wuthenow (NYCDEP)
W. Gross (URS)
S. Park (URS)

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TENNENT, NJ 07763 EMAIL: GUYCUSUMANO@NETSCAPE.NET [732] 431-1505 FAX 308-1367

June 23, 2003

Ms. Barbara Stanton
SEVERN TRENT SERVICES INC.
100 Morris Avenue
Glen Cove, NY 11542
FAX: 516-674-0151

RE: NYCDEP/PELHAM BAY LANDFILL, Project #PELHM-01
PARAGRAPH 5.3, GAS COLLECTION MANAGEMENT SYSTEM REPAIRS
Severn Trent Order #002645

Dear Barbara:

Confirming our telephone conversation of this morning, proper operation of the overall gas system requires installation of the mist eliminator.

Installation of the mist eliminator is so important that if it is not done, the warranty on the blowers is limited to situations where it can be clearly proven that a problem that arises is due to defective manufacture. Because water will be going through the machine(s) without the mist eliminator, it is essentially impossible to ever tell whether a manufacturing defect has led to a problem.

To summarize, the mist eliminator should definitely be installed prior to initial operation of either of the replacement blowers.

We appreciate this opportunity to be of service to SEVERN TRENT.

Best regards,

Guy F. Cusumano

Guy F. Cusumano
AXD SERVICE INDUSTRIES

GFC:pf

SERVICE & PARTS FOR ENVIRONMENTAL & PRODUCTION SYSTEMS
BLOWERS, PUMPS, WAVEPLANE, FANS, SCRUBBERS, OXIDIZERS, & VALVES
CONTROL SYSTEMS, MOLDED & STEEL FITTINGS, DUST BAGS,

PO BOX 39 **AXD SERVICE INDUSTRIES CORP.** GUY F. CUSUMANO
TENNENT, NJ 07763 EMAIL: GUYCUSUMANO@NETSCAPE.NET [732] 431-1505 FAX 308-1367

February 25, 2003

Ms. Barbara Stanton
SEVERN TRENT SERVICES INC.
100 Morris Avenue
Glen Cove, NY 11542
FAX: 516-674-0151

RE: NYCDEP/PELHAM BAY LANDFILL, Project #PELHM-01
PARAGRAPH 5.3, GAS COLLECTION MANAGEMENT SYSTEM REPAIRS
Severn Trent Order #002645

Dear Barbara:

As previously advised considering the length of time the starters have been inactive they should be thoroughly overhauled prior to attempting to use the new auto transformers. A defective starter could easily fry one of these transformers. The starters and the rest of the controls were set up jointly by AXD Service Industries Corp. and custom panel builder Link Controls. As requested we are offering a proposal for a joint Inspection by AXD and Link Controls:

Description
Replacement control panel parts (other than the auto transformers) based upon our best estimate of the most probable requirements.
One day field inspection, two men, plus expenses

Total price for above $3,315.00

Prices are F.O.B. NJ, with delivery 5-10 working days A.R.O. & A. Order is subject to AXDSIC Standard Terms & Conditions, SIC893ST, previously sent. Net 30 days, subject to credit approval.

Please note that because of the length of time that the panel was inactive even with joint inspection by AXD Service Industries and Link Controls and Severn Trent's installation of the auto transformers and the parts that we are offering above there is still a small but real possibility the panel will exhibit one or more problems.

Thank you for this opportunity to be of service to Severn Trent.

Best regards,

Guy F. Cusumano
AXD SERVICE INDUSTRIES

GFC:pf

SERVICE & PARTS FOR ENVIRONMENTAL & PRODUCTION SYSTEMS
BLOWERS, PUMPS, WAVEPLANE, FANS, SCRUBBERS, OXIDIZERS, & VALVES
CONTROL SYSTEMS, MOLDED & STEEL FITTINGS, DUST BAGS,

PO BOX 39 **AXD SERVICE INDUSTRIES CORP.** GUY F. CUSUMANO

TENNENT, NJ 07763 EMAIL: GUYCUSUMANO@NETSCAPE.NET [732] 431-1505 FAX 308-1367

September 4, 2003

Ms. Barbara L. Stanton, P.E.
SEVERN TRENT SERVICES INC.
100 Morris Avenue
Glen Cove, NY 11542
FAX: 516-674-0151

RE: NYCDEP/PELHAM BAY LANDFILL, Project #PELHM-01
PARAGRAPH 5.3, GAS COLLECTION MANAGEMENT SYSTEM REPAIRS
Severn Trent Order #003304/Subject: Inspection Report

Dear Barbara:

Below please find the service report for the joint AXD SERVICE INDUSTRIES - Link Control Systems field visit on June 18, 2003 at Pelham Bay Landfill, Bronx, NY.

Present: Guy D. Cusumano, AXD Service Industries Corp.; Peter Turbek, Severn Trent; Kevin, Site Operator; George, Link Controls; Sonya Park and Walter Gross, DEP and others.

REPORT:

It is our understanding that the SOP for the gas flare has been and continues to be in the automatic mode. Due to difficulties in getting the system running a non-conventional method of operation was used only as a last resort to have the system running for the purpose of the site visit. Those present were reminded that operation in hand mode bypasses all safeties. Reviewed circuits/ path in panel and test fire from flare master panel. Blower did not start; however, CR3 & CR4 functioned correctly. Traced to O/L in starter. Heaters had tripped and auto safety feature functioned as designed. Panel running only in crossline start on right side of duplex panel. Left side not used, blower absent.

Suggest replace auto transformers, starter contact faces, clean relays as needed, repair wiring changes so as to implement the reduced volt start feature again. Note that this will reduce KW DMD MAX charge due to no longer having any full voltage locked rotor conditions.

Copy of as built circuit diagrams and start up certification were available.

The new auto transformer kits as furnished contain all parts necessary for a complete overhaul of the controls. In spite of the length of time since initial installation, additional parts are not recommended at this time by Link, the original builders of the panels.

END OF REPORT.

We appreciate this opportunity to be of service to SEVERN TRENT.

Best regards,

Guy F. Cusumano

Guy P. Cusumano
AXD SERVICE INDUSTRIES

GFC:pf

Stanton, Barbara

From: Stanton, Barbara
Sent: Wednesday, August 13, 2003 9:41 AM
To: 'Walter_Gross (E-mail)'; 'Sonya_Park (E-mail)'
Cc: Gardner, Rich; Covati, Joe; Bay, Pelham
Subject: Pelham Bay blowers

Sonya,

STES is reporting that both gas flare blowers are off line due to automatic shutdown. A summary of the events is as follows:

- On July 31, 2003 AXD was at the site to supervise the installation of the new transformers for the gas flare system.
- STES personnel present, electrical work performed AAR/CO STES electrical subcontractor.
- Blower No. 1 was put online and electrically tested.
- The electrical tests were satisfactory, however the inlet and discharge valves were frozen and could not be opened during the tests.
- The following day the valves were opened and in working order, however, Blower No. 1 was now shutting down on surge and the cfm set point was not achieved.
- STES personnel and electrical subcontractor attempted to troubleshoot Blower No. 1 but were not able to locate the cause.
- Blower No. 2 put on line but would not start.
- STES personnel and electrical subcontractor attempted to troubleshoot Blower No. 2 but were not able to locate the cause.
- STES contacted AXD.
- AXD responded that they completed the oversite on July 31 , 2003 with the equipment electrically approved and have fulfilled the terms of the proposal.
- Any additional site visits by AXD will result in a service charge.

We would like to have AXD back to the site as soon as possible to troubleshoot and rectify the problem, however, there is no means in the contract to cover this work. Please advise as to how we should proceed.

Also, will you have another swale cleaning directive?

regards,

Barbara

Tracking:

Recipient	Delivery
'Walter_Gross (E-mail)'	
'Sonya_Park (E-mail)'	
Gardner, Rich	Delivered: 8/13/03 9:41 AM
Covati, Joe	Delivered: 8/13/03 9:41 AM
Bay, Pelham	Delivered: 8/13/03 9:41 AM

file

SEVERN TRENT SERVICES

Operating Services

Water and Wastewater Systems Operation and Maintenance

Municipal and Industrial

Meter Reading and Billing

Design/Build/Operate (DBO) Contracts

Utility Management and Administration

Special Purpose Taxing Districts

December 29, 2003

Mr. John Wuthenow
NYCDEP OEPA 11th floor
59-17 Junction Blvd
Flushing, NY 11373

RE: Pelham Bay Landfill
Contract Registration No. 20030015700
Response to NYCDEP letter dated December 18, 2003

Dear John:

I have reviewed the attached letter from the NYCDEP to the NYCDEP dated December 18, 2003, for the purpose of assessing how STES can assist the NYCDEP with providing the requested submittals.

Items 1-3 regarding modifications to Volume I of the O&M Manual are not within the scope of work of our current Contract. Item 4, Site Specific Health and Safety Plan was addressed by STES in the beginning of our current Contract Enclosed is a copy of the final approved Health and Safety Plan.

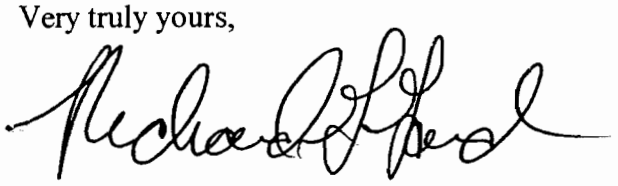
As per your request STES is summarizing the monitoring data collected under the current and previous contract in report format. This task is being completed under the 50 hours allotted to Task 13, Professional Engineer's Labor or our current Contract. The anticipated submittal date for this report is mid January 2004.

C:\My Documents\wuthenow NYCDEP letter 12-29-03.doc
Last printed 12/29/03 1:43 PM
Date:12 29 03

A summary of the status of the gas flare blowers is summarized in the attached letter dated December 29, 2003.

Please contact either Barbara Stanton or myself if you have any further questions regarding this letter.

Very truly yours,



Richard G. Gardner, P.E.
Regional Manager

Xc: file w/o H&S Plan
D. Turney (NYCDEP) w/o H&S Plan

SEVERN TRENT SERVICES

Operating Services

Water and Wastewater Systems Operation and Maintenance

Municipal and Industrial

Meter Reading and Billing

Design/Build/Operate (DBO) Contracts

Utility Management and Administration

Special Purpose Taxing Districts

December 29, 2003

Mr. John Wuthenow
NYCDEP OEPA 11th floor
59-17 Junction Blvd
Flushing, NY 11373

RE: Pelham Bay Landfill
Contract Registration No. 20030015700
Status of Gas Flare

Dear John:

This letter is to summarize the verbal discussions we have had regarding the status of the gas flare system at the Pelham Bay Landfill. As you are aware despite ongoing repair work and troubleshooting of the system by STES, AARCO, the electrical subcontractor, and AXD/Link Controls, the operation of the gas flare system remains problematic.

To date STES has complied with all requirements of our Contract under Section 5.3, Gas Collection System Repairs. These specific repairs are as follows: purchase and install two new blowers, refurbish the two existing blowers, repair the electrical system for the gas flare, install a p-trap in the gas flare condensate drain line, and replace all defective gas extraction well flexible tubing.

Two new blowers have been purchased from AXD. The blowers were delivered on June 25, 2003 and are presently stored in the onsite gray storage trailers. The Contract did not specify the purchase of a mist eliminator. According to AXD, a mist eliminator must be installed upstream from the new blowers for the blower warranty to be effective.

The purchase and installation of the mist eliminator is out-of- scope work and will require a Change Order. In a letter dated June 23, 2003, (attached), STES has requested an installation design specification from the NYCDEP for the mist

eliminator in order to determine the material and labor cost for the installation portion of the Change Order work. At present STES has not received this information.

As required by the Contract, both existing blowers have been re-built, re-aligned and are currently on-line. STES also performed mechanical troubleshooting and repair work under Task 15, Mechanics Labor. STES has rebuilt the motor for blower No. 1, as well as cleaned the pilot light, pilot light sensors and flame sensor and cleared the pilot gas lines. This work was completed in November 2003.

Under Change Order No. X-1, AXD and Link Controls were onsite on June 18, 2003 to troubleshoot any unforeseen problems with the electrical system prior to the installation of the contract specified electrical parts. They determined that no additional parts were necessary. The letter of findings from AXD is attached.

All Contract required electrical work was completed on July 31, 2003. This included purchase and installation of starting transformers, conductors and controls, auxiliary contacts and relays. AXD was on site for the installation of this equipment, however, the day following the installation, the blowers could not be started in the automatic sequence and once running sporadically shut down. STES e-mailed URS (attached) requesting direction on how to proceed with the correction of this problem, however, a response was not provided. This problem has been continuous since that time. STES contacted AXD and was informed that any additional site visits would be performed at cost. Since there are no provisions for this type of work in the Contract, a Change Order would have to be initiated and approved.

Under Task 8 of the Contract, STES had AARCO Electric troubleshoot the gas flare system, however, specific problems could not be determined. At the request of the NYCDEP, STES attempted to find an Electrical Controls Specialist to troubleshoot the system under Task 8, Electrician's Labor. However, this is not feasible as Task 8 is costed for an Electrician "M" hourly rate not that of an Electrical Controls Specialist. At this time, STES is waiting direction from the NYCDEP on how to proceed with further repairs of the gas flare system.

A p-trap has been installed in the gas condensate line. This work was performed in August 2003.

All defective flexible hoses on the gas extraction wells were repaired in the beginning of this Contract.

Due to Contract constraints, which limit the amount and type of work required to complete the installation of the mist eliminator and blowers and electrical control repairs, STES is requesting that the NYCDEP recommend alternative methods to complete this repair work.

STES is anxious to proceed with this phase of the Contract. Please contact either Barbara Stanton or myself to discuss this matter further. We can be reached at 516.674.6032.

Very truly yours,

Richard G. Gardner, P.E.
Regional Manager

Xc: file
D. Turney (NYCDEP)

SEVERN
TRENT
SERVICES

Severn Trent Services, Inc.
Environmental Services Group
100 Morris Avenue
Glen Cove, New York 11542

Tel 516 674 6032
Fax 516 674 0151

June 23, 2003

Mr. David Turney
NYCDEP OEPA 11th floor
59-17 Junction Blvd
Flushing, NY 11373

RE: Pelham Bay Landfill
Gas Flare System

Dear David:

During the site inspection conducted by AXD and Link Controls on June 18, 2003, STES became aware of a letter written in 1996 from AXD to Brecco stating the importance of a mist eliminator installed on the gas flare influent piping. Subsequently, in discussions with AXD, STES was notified that a full warranty on the new blowers cannot be issued by the manufacturer unless a mist eliminator is installed. A copy of that letter is also attached.

As you are aware, our present Agreement does not specify the purchase or installation of a mist eliminator. STES believes that it is in the best interest of the NYCEP to include the purchase and installation of the mist eliminator in the gas flare system upgrade. Such work will require stainless steel piping design for the influent and effluent landfill gas, and the condensate stainless steel drainage piping and tie-in for the mist eliminator unit. At the request of the NYCDEP, STES will prepare a Change Order for this work.

At this time STES is ready to commence work under the terms of Section 5.3 of our Agreement, which states specific repairs to the gas flare system. The two blowers, transformers and appurtenances are scheduled to be delivered to the site on Wednesday June 25, 2003. In

SEVERN TRENT SERVICES

anticipation of the approval of the Change Order for the purchase and installation of the mist eliminator, STES has requested delivery of the unit at this time in order to coordinate heavy equipment delivery and off-loading procedures.

STES will not install the new blowers until the mist eliminator is installed in order that the NYCDEP receive full warranty on the equipment. Installation of the mist eliminator will be subsequent to the approval of the Change Order. Both the blowers and the mist eliminator will be stored in the onsite storage containers.

On Wednesday June 25, 2003, STES will install the re-built no. 2 blower, which is presently stored in the onsite gray storage trailer.

The Section 5.3 electrical system work will be coordinated with STES with oversite provided by AXD and Link controls. STES will receive a written report of the findings of the AXD/Link Controls June 18, 2003 site inspection, which will address any control panel deficiencies (a copy will be forwarded to the NYCDEP). As part of their proposal, AXD will provide the parts necessary to correct these deficiencies. STES will notify the NYCDEP as soon as this work is scheduled.

At this time, STES is prepared to commence work on the Change Order to purchase and install the mist eliminator. We are requesting that you advise us on this issue at your earliest convenience.

Very truly yours,

Barbara L. Stanton. P.E.
Project Manager

Xc: file
J. Wuthenow (NYCDEP)
W. Gross (URS)
S. Park (URS)

[illegible] .doc
Date: 6-24-03

SERVICE & PARTS FOR ENVIRONMENTAL & PRODUCTION SYSTEMS
BLOWERS, PUMPS, WAVEPLANE, FANS, SCRUBBERS, OXIDIZERS, & VALVES
CONTROL SYSTEMS, MOLDED & STEEL FITTINGS, DUST BAGS,
PO BOX 39 **AXD SERVICE INDUSTRIES CORP.** GUY F. CUSUMANO
TENNENT, NJ 07763 EMAIL: GUYCUSUMANO@NETSCAPE.NET [732] 431-1505 FAX 308-1367

June 23, 2003

Ms. Barbara Stanton
SEVERN TRENT SERVICES INC.
100 Morris Avenue
Glen Cove, NY 11542
FAX: 516-674-0151

RE: NYCDEP/PELHAM BAY LANDFILL, Project #PELHM-01
PARAGRAPH 5.3, GAS COLLECTION MANAGEMENT SYSTEM REPAIRS
Severn Trent Order #002645

Dear Barbara:

Confirming our telephone conversation of this morning, proper operation of the overall gas system requires installation of the mist eliminator.

Installation of the mist eliminator is so important that if it is not done, the warranty on the blowers is limited to situations where it can be clearly proven that a problem that arises is due to defective manufacture. Because water will be going through the machine(s) without the mist eliminator, it is essentially impossible to ever tell whether a manufacturing defect has led to a problem.

To summarize, the mist eliminator should definitely be installed prior to initial operation of either of the replacement blowers.

We appreciate this opportunity to be of service to SEVERN TRENT.

Best regards,

Guy F. Cusumano
AXD SERVICE INDUSTRIES

GFC:pf

SERVICE & PARTS FOR ENVIRONMENTAL & PRODUCTION SYSTEMS
BLOWERS, PUMPS, WAVEPLANE, FANS, SCRUBBERS, OXIDIZERS, & VALVES
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February 25, 2003

Ms. Barbara Stanton
SEVERN TRENT SERVICES INC.
100 Morris Avenue
Glen Cove, NY 11542
FAX: 516-674-0151

RE: NYCDEP/PELHAM BAY LANDFILL, Project #PELHM-01
PARAGRAPH 5.3, GAS COLLECTION MANAGEMENT SYSTEM REPAIRS
Severn Trent Order #002645

Dear Barbara:

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One day field inspection, two men, plus expenses

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Prices are F.O.B. NJ, with delivery 5-10 working days A.R.O. & A. Order is subject to AXDSIC Standard Terms & Conditions, SIC893ST, previously sent. Net 30 days, subject to credit approval.

Please note that because of the length of time that the panel was inactive even with joint inspection by AXD Service Industries and Link Controls and Severn Trent's installation of the auto transformers and the parts that we are offering above there is still a small but real possibility the panel will exhibit one or more problems.

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AXD SERVICE INDUSTRIES

GFC:pf

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September 4, 2003

Ms. Barbara L. Stanton, P.E.
SEVERN TRENT SERVICES INC.
100 Morris Avenue
Glen Cove, NY 11542
FAX: 516-674-0151

RE: NYCDEP/PELHAM BAY LANDFILL, Project #PELHM-01
PARAGRAPH 5.3, GAS COLLECTION MANAGEMENT SYSTEM REPAIRS
Severn Trent Order #003304/Subject: Inspection Report

Dear Barbara:

Below please find the service report for the joint AXD SERVICE INDUSTRIES - Link Control Systems field visit on June 18, 2003 at Pelham Bay Landfill, Bronx, NY.

Present: Guy D. Cusumano, AXD Service Industries Corp.; Peter Turbek, Severn Trent; Kevin, Site Operator; George, Link Controls; Sonya Park and Walter Gross, DEP and others.

REPORT:

It is our understanding that the SOP for the gas flare has been and continues to be in the automatic mode. Due to difficulties in getting the system running a non-conventional method of operation was used only as a last resort to have the system running for the purpose of the site visit. Those present were reminded that operation in hand mode bypasses all safeties. Reviewed circuits/ path in panel and test fire from flare master panel. Blower did not start; however, CR3 & CR4 functioned correctly. Traced to O/L in starter. Heaters had tripped and auto safety feature functioned as designed. Panel running only in crossline start on right side of duplex panel. Left side not used, blower absent.

Suggest replace auto transformers, starter contact faces, clean relays as needed, repair wiring changes so as to implement the reduced volt start feature again. Note that this will reduce KW DMD MAX charge due to no longer having any full voltage locked rotor conditions.

Copy of as built circuit diagrams and start up certification were available.

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END OF REPORT.

We appreciate this opportunity to be of service to SEVERN TRENT.

Best regards,

Guy F. Cusumano

Guy F. Cusumano
AXD SERVICE INDUSTRIES

GFC:pf

Stanton, Barbara

From: Stanton, Barbara
Sent: Wednesday, August 13, 2003 9:41 AM
To: 'Walter_Gross (E-mail)'; 'Sonya_Park (E-mail)'
Cc: Gardner, Rich; Covati, Joe; Bay, Pelham
Subject: Pelham Bay blowers

Sonya,

STES is reporting that both gas flare blowers are off line due to automatic shutdown. A summary of the events is as follows:

- On July 31, 2003 AXD was at the site to supervise the installation of the new transformers for the gas flare system.
- STES personnel present, electrical work performed AAR/CO STES electrical subcontractor.
- Blower No. 1 was put online and electrically tested.
- The electrical tests were satisfactory, however the inlet and discharge valves were frozen and could not be opened during the tests.
- The following day the valves were opened and in working order, however, Blower No. 1 was now shutting down on surge and the cfm set point was not achieved.
- STES personnel and electrical subcontractor attempted to troubleshoot Blower No. 1 but were not able to locate the cause.
- Blower No. 2 put on line but would not start.
- STES personnel and electrical subcontractor attempted to troubleshoot Blower No. 2 but were not able to locate the cause.
- STES contacted AXD.
- AXD responded that they completed the oversite on July 31 , 2003 with the equipment electrically approved and have fulfilled the terms of the proposal.
- Any additional site visits by AXD will result in a service charge.

We would like to have AXD back to the site as soon as possible to troubleshoot and rectify the problem, however, there is no means in the contract to cover this work. Please advise as to how we should proceed.

Also, will you have another swale cleaning directive?

regards,

Barbara

Tracking:

Recipient	Delivery
'Walter_Gross (E-mail)'	
'Sonya_Park (E-mail)'	
Gardner, Rich	Delivered: 8/13/03 9:41 AM
Covati, Joe	Delivered: 8/13/03 9:41 AM
Bay, Pelham	Delivered: 8/13/03 9:41 AM

New York State Department of Environmental Conservation
Hazardous Waste and Environmental Monitors Section
Division of Environmental Remediation, Region 2
47-40 21ST Street, Long Island City, NY 11101-5407
Phone: (718) 482-4995 **FAX:** (718) 482-6358
Website: www.dec.state.ny.us

Erin M. Crotty
Commissioner

Mr. John M. Wuthenow
Director
Environmental Compliance and Field Assessments
Office of Environmental Planning and Field Assessments
New York City
Department of Environmental Protection
59-17 Junction Boulevard, 11th Floor High-Rise
Flushing N.Y. 11373-5108

December 18.2003

Re: NYSDEC approval of the Pelham Bay Landfill OM&M plan

Dear Mr. Wuthenow:

This letter represents one of the final steps in a process that will end in an approvable Operations, Maintenance and Monitoring (O. M & M) Plan for the Pelham Bay landfill. In order that this process may proceed please provide the New York State Department of Environmental Conservation (NYSDEC) an entire set of Volumes II and III of the Pelham Bay landfill Operations, Maintenance & Monitoring (O, M & M) plan.

In addition, the following items need to be addressed in Volume I of the O, M & M plan for the Pelham Bay Landfill:

1. The NYSDEC requires a copy of the O&M Contract for the flare.

2. In Volume I, page 2-9, 3rd paragraph, please review the pump specs for lift stations 1 and 2.

3. In addition please add two Sections to Volume I of the Plan. A section on Reports which shows the format of the Monthly, Quarterly, Yearly and 5-year Reports and a Citizen Participation Section which details the O, M & M Citizen Participation Plan, a Contact List and A Freedom of Information Law (FOIL) Packet.

4. While Volume I contains elements of a Health and Safety Plan (HASP), please insert a formal site specific Health and Safety Plan in Volume I.

Upon receipt of the abovementioned documents and a determination that the above requested changes are made the NYSDEC will consider the entire O, M & M Plan for the Pelham Bay landfill for approval.

Also, this O, M & M plan must be signed and stamped by a Professional Engineer licensed in the State of New York.

Based on the meeting held at the Fountain Avenue Landfill trailer yesterday attended by staff of the New York State Department of Environmental Conservation (NYSDEC) and the New York City Department of Environmental Protection (NYCDEP) the following will take place:

1. The NYCDEP will notify the NYSDEC by letter of any changes made to the previously submitted O, M & M Plan.

2. The NYCDEP will talk to their lawyers regarding the institutional controls, as required by the Pelham Bay Landfill Record of Decision (ROD) for this site, and their implementation.

3.By the end of January, after the NYCDEP submits to the NYSDEC a summary of the post closure monitoring data, the two agencies will meet to discuss the data. The NYCDEP must include a statistical analysis of the data which analysis must be approved by the NYSDEC prior to it being done.

4. At that meeting the two agencies will discuss whether there is a need for continued sampling and/or the installation of extraction wells as promised in the Pelham Bay Landfill Record of Decision (ROD). It is our belief that the monitoring program may be modified as needed.

Henceforward, the NYSDEC is also requesting interim, i.e., quarterly reports and one annual O, M &M report and continues to stress the importance of keeping the plans updated. Please inform us of your plans for the purchase of two new blowers for the flare.

If you have any questions please call me at (718)277-4600 Ext.16.

Very Truly yours

Nigel N Crawford P.E.
Project Manager
NYSDEC Region 2

cc: G. Rider
M. Dunham
A. Nagi
D. Walsh
S. Miller
S. Bollers

FAX TRANSMISSION

NYC DEPARTMENT OF ENVIRONMENTAL PROTECTION
Office of Environmental Planning and Assessment
59-17 Junction Boulevard, 11th Floor
Corona, New York 11368
718-595-4426
Fax: 718-595-4422
Email: JWuthenow@dep.nyc.gov

To:	Rich Gardner	**Date:**	12/22/03
Fax #:		**Pages:**	4, including this cover sheet.
From:	John Wuthenow		
Subject:			

COMMENTS: As we discussed

New York State Department of Environmental Conservation
Hazardous Waste and Environmental Monitors Section
Division of Environmental Remediation, Region 2
47-40 21ST Street, Long Island City, NY 11101-5407
Phone: (718) 482-4995 **FAX:** (718) 482-6358
Website: www.dec.state.ny.us

Erin M. Crotty
Commissioner

Mr. John M. Wuthenow
Director
Environmental Compliance and Field Assessments
Office of Environmental Planning and Field Assessments
New York City
Department of Environmental Protection
59-17 Junction Boulevard, 11th Floor High-Rise
Flushing N.Y. 11373-5108

December 18.2003

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Upon receipt of the abovementioned documents and a determination that the above requested changes are made the NYSDEC will consider the entire O, M & M Plan for the Pelham Bay landfill for approval.

Also, this O, M & M plan must be signed and stamped by a Professional Engineer licensed in the State of New York.

Based on the meeting held at the Fountain Avenue Landfill trailer yesterday attended by staff of the New York State Department of Environmental Conservation (NYSDEC) and the New York City Department of Environmental Protection (NYCDEP) the following will take place:

1. The NYCDEP will notify the NYSDEC by letter of any changes made to the previously submitted O, M & M Plan.

2. The NYCDEP will talk to their lawyers regarding the institutional controls, as required by the Pelham Bay Landfill Record of Decision (ROD) for this site, and their implementation.

3.By the end of January, after the NYCDEP submits to the NYSDEC a summary of the post closure monitoring data, the two agencies will meet to discuss the data. The NYCDEP must include a statistical analysis of the data which analysis must be approved by the NYSDEC prior to it being done.

4. At that meeting the two agencies will discuss whether there is a need for continued sampling and/or the installation of extraction wells as promised in the Pelham Bay Landfill Record of Decision (ROD). It is our belief that the monitoring program may be modified as needed.

Henceforward, the NYSDEC is also requesting interim, i.e., quarterly reports and one annual O, M &M report and continues to stress the importance of keeping the plans updated. Please inform us of your plans for the purchase of two new blowers for the flare.

If you have any questions please call me at (718)277-4600 Ext.16.

Very Truly yours

Nigel N Crawford P.E.
Project Manager
NYSDEC Region 2

cc: G. Rider
M. Dunham
A. Nagi
D. Walsh
S. Miller
S. Bollers

SEVERN TRENT SERVICES

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Utility Management and Administration

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December 17, 2003

Mr. John Wuthenow, Director
Site Assessment, Office of Environmental Planning and Assessment, 11th floor
New York City Department of Environmental Protection
59-17 Junction Blvd
Flushing, NY 11373

RE: Pelham Bay Landfill
Payment Request No. 4

Dear Mr. Wuthenow:

I am responding to an e-mail, which Severn Trent received on December 16, 2003 regarding an attached e-mail dated October 31, 2003 from John DeQuinzio to David Turney. In his e-mail Mr. DeQuinzio requested that in addition to the standard 214 B and 214E NYCDEP payment forms for Payment No. 4, Severn Trent should provide an itemized invoice of billed tasks, presented on letterhead and signed. At the time that the e-mail was communicated to David Turney, the PPB rules for interest eligibility were suspended.

I am concerned with the delay in communicating this request to us. Invoice No. 4 was sent to the NYCDEP on August 27, 2003. Since that time we have also submitted Invoice No.s 5, 6 and 7. I am assuming that these are also being held for processing due to the lack of the itemized line item invoice.

Attached are the requested itemized invoices for these payment requests. I will include such with all future invoice submittals. I would like to discuss with you the means for expediting the payment approval process for Invoice No.s 5, 6 and 7. There is already a several month delay in payment for Invoice No. 4.

WATER PARTNERSHIP COUNCIL MEMBER

A part of Severn Trent Plc

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Fax 516 674 0151 • www.severntrentservices.com

I am requesting the opportunity to respond to any such further requests from the NYCDEP in a timely manner in order to avoid future problems. Please call either Barbara Stanton or myself at 516-674-6032.

Very truly yours,

Richard G. Gardner. P.E.
Regional Manager

xc: file
D. Turney (NYCDEP)
B. McCullagh-Howell (NYCDEP)
A. Moss (NYCDEP)
J. DeQuinzio (NYCDEP)

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Line Item Invoice, Payment No. 4, June 2003
Pelham Bay Landfill
Contract Registration No. 20030015700

ITEM NO.	DESCRIPTION	UNIT PRICE	QUANTITY THIS PERIOD	APPROVED VALUE THIS PERIOD
1	WEEKLY JANITORIAL SERVICE	$51.81	4	$207.24
3	LANDFILL COVER SYSTEM INSPECTION	$180.89	1	$180.89
8	PLUMBER'S LABOR	$102.85	34	$3,496.90
9	GARDNER'S LABOR	$25.94	112	$2,905.28
12	STW LABOR	$83.76	227.5	$19,055.40
28	LEACHATE LOADING AND DISPOSAL	0.0331	540,853	$17,902.23
36	ALLOWANCE FOR SPARE PARTS	$30,000.00	n/a	$2,420.74
	total			**$46,168.68**

Submitted by:

Richard G. Gardner, P. E.
Regional Manager

date 12/17/3

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Line Item Invoice, Payment No. 5, July 2003
Pelham Bay Landfill
Contract Registration No. 20030015700

ITEM NO.	DESCRIPTION	UNIT PRICE	QUANTITY THIS PERIOD	APPROVED VALUE THIS PERIOD
1	WEEKLY JANITORIAL SERVICE	$51.81	4	$207.24
3	LANDFILL COVER SYSTEM INSPECTION	$180.89	1	$180.89
7	ELECTRICIAN'S LABOR	$102.85	16	$1,645.60
9	GARDNER'S LABOR	$25.94	176	$4,565.44
12	STW LABOR	$83.76	179	$14,993.04
31	PROVIDE AND INSTALL HEATED ENCLOSURE FOR RPZ	$8,268.83	1	$8,268.83
36	ALLOWANCE FOR SPARE PARTS	$30,000.00	n/a	$7,502.00
total				**$37,363.04**

Submitted by:

Richard G. Gardner

Richard G. Gardner, P. E.
Regional Manager

12/17/13
date

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Line Item Invoice, Payment No. 6
August 1, 2003 through September 30, 2003
Pelham Bay Landfill
Contract Registration No. 20030015700

ITEM NO.	DESCRIPTION	UNIT PRICE	QUANTITY THIS PERIOD	APPROVED VALUE THIS PERIOD
1	WEEKLY JANITORIAL SERVICE	$51.81	4	$207.24
3	LANDFILL COVER SYSTEM INSPECTION	$180.89	1	$180.89
4	MOW LANDFILL	$197.93	2.88	$570.04
7	ELECTRICIAN'S LABOR	$102.85	72	$7,405.20
8	PLUMBER'S LABOR	$102.85	3	$308.55
9	GARDNER'S LABOR	$25.94	168	$4,357.92
12	STW LABOR	$83.76	190	$15,914.40
20	SEMI-ANNUAL ANALYSIS OF GROUNDWATER WELLS	$9,569.40	1	$9,569.40
27	QUARTERLY GAS CONDENSATE TCLP	$1,429.96	1	$1,429.96
32	EMPLACE LCS PER O&M	$44.84	30	$1,345.20
34	REMOVE SEDIMENT FROM STORMWATER DITCHES	$14.01	575	$8,055.75
36	ALLOWANCE FOR SPARE PARTS	$30,000.00	n/a	$1,552.33
	total			**$50,896.88**

Submitted by:

Richard G. Gardner

Richard G. Gardner, P. E.
Regional Manager

12/17/3
date

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Line Item Invoice, Payment No. 7, October, 2003
Pelham Bay Landfill
Contract Registration No. 20030015700

ITEM NO.	DESCRIPTION	UNIT PRICE	TOTAL ESTIMATED COST	QUANTITY THIS PERIOD	APPROVED VALUE THIS PERIOD
1	WEEKLY JANITORIAL SERVICE	$51.81	$5,336.43	3	$155.43
3	LANDFILL COVER SYSTEM INSPECTION	$180.89	$5,426.70	1	$180.89
7	ELECTRICIAN'S LABOR	$102.85	$102,850.00	88	$9,050.80
8	PLUMBER'S LABOR	$102.85	$102,850.00	8	$822.80
9	GARDNER'S LABOR	$25.94	$64,850.00	556.5	$14,435.61
12	STW LABOR	$83.76	$278,753.28	361	$30,237.36
25	SEMI-ANNUAL ANALYSIS OF LANDFILL GAS SURFACE GAS	$516.82	$2,067.28	1	$516.82
36	ALLOWANCE FOR SPARE PARTS	$30,000.00	$30,000.00	n/a	$5,821.31
	total				**$61,221.02**

Submitted by:

Richard G. Gardner, P. E.
Regional Manager

12/17/3
date

Severn Trent Environmental Services, Inc.
100 Morris Avenue
Glen Cove, New York 11542
Tel: (516) 674-6032
Fax: (516) 674-0151

Facsimile
COVER SHEET

DATE:	**December 18, 2003**
TO:	**David Turney**
COPY:	**Sabrina Bhola**
FAX:	**718.595.4479**
COMPANY:	**NYCDEP OEPA**
FROM:	**Barbara Stanton**

NUMBER OF PAGES: 7

David,

As per your e-mail, here are faxed copies of the requested itemized invoices for the Pelham Bay Landfill contract no 20030015700. A hard copy will follow for Monday delivery.

These pertain to invoice No.s 4,5,6 and 7, which have been previously sent to your office Please contact the appropriate parties to distribute these documents in order that our invoice payments will be processed. Please call or e-mail me if you need any further information.

Regards,

Barbara Stanton