

Pelham Bay Landfill Monthly Report August 2003

Prepared by: Severn Trent Environmental Services January 2004



Section I – General

This monthly report covers the period from August 1, 2003 to August 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 August 28, 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	0.1
GMW-5	0.0
GMW-6	0.0
GMW-7	19.3
GMW-8	0.0
GMW-9_	0.0
GMW-10	0.0
GMW-11	3.4
GMW-12	0.0
GMW-13	0.0
GMW-14	0.0
<i>G</i> MW-15	0.0
GMW-16	0.6
GMW-17	0.0
GMW-18	0.0
GMW-19	0.0
GMW-20	0.0
GMW-21	0.0
GMW-22	3.4



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.



Section III - Recommendations for Maintenance and Actions Taken

Deficiencies identified this month and recommended repair actions:

There were no new deficiencies identified in August 2003.

Repair actions performed this month on previous deficiencies:

- 1. Continuation of work on the leachate storage tank heat tracing system in accordance with Section 5.0 of the Contract.
- 2. Plumbing work for the float system for the seven pumping stations is completed. Electrical work in process.
- 3. New Flygt pumps for D-1 installed and completed.
- 4. Electrical work for LS-1 pump floats is completed.
- 5. Electrical work for decon sump floats is completed.
- 6. Repair of the existing rill in Zone 7 completed.
- 7. Burned car in Zone 8 was removed.
- 8. Repair of the water main break by Decon trailer was completed.
- 9. Clearing of 575 linear feet of swale was completed.
- 10. Mowing of 2.88 acres of landfill cover from the perimeter roadway to fence line was completed.

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

The grasses of the landfill cover system from the perimeter roadway to the fence line have grown to heights that are impairing the visibility of the fence line of the landfill.

Recommended Repair Action

The NYCDEP has directed STES to mow the landfill cover from the perimeter roadway to the fence line. This work commenced in July 2003 and was completed in August 2003.

Deficiency

A surface crack was evident in the form of a pre-existing rill in Zone 7 between Road C and Road B². During the summer of 2001, Brecco, a NYCDEP Contractor, repaired many pre-existing rills and re-planted the cover grasses. The large rill in Zone 7 is pre-existing prior to the previous STES contract at the Pelham Bay Landfill and was not included in the Brecco repair work. The depth of the rill penetrates the 6 inch top soil layer and the 24 inch loamy soil layer exposing the geocomposite filter fabric.

Recommended Repair Action

URS, the NYCDEP Consultant on this project, has recommended that the initial repair of this rill be performed in accordance with the site O&M Manual. This work was authorized by the NYCDEP on July 28, 2003 and was completed in August 2003.

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.

NYCDEP is aware of the remains of the car, which was driven onto the landfill and subsequently burned. This incident occurred on a weekend during the previous STES Contract and was under the jurisdiction of the onsite 24-hour security guards.

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.

According the NYCDEP the NYPD will remove abandoned vehicles which are streetside. STES was able to remove the remains of the burned car from the landfill area. The car was place street



side for removal by the NYPD. This was completed in August 2003.

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

STES was directed by the NYCDEP to clear 575 linear feet of drainage swale in the vicinity if Zone 7 and 8. This work was completed in August 2003.

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.



<u>Repair_Action</u>

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 Lift Station No. 1 (LS-1) 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.

Repair Action

The plumbing work for the new LS-1 float system was complete in June 2003. Electrical work was completed in August 2003. The pumps operate automatically.

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 area in the vicinity of the trailer was submerged. This is the result of a City water leak at the pipe connection at the decommissioned boot wash. STES has set up a portable sump pump and extension cord to pump flow out of the boot wash area. The sump pump in the area of the Decontamination Trailer was not operational, and was removed from the sump by STES. The pump requires a complete overhaul or should be replaced.

Repair Action

STES was directed by the NYCDEP to repair the water main break and to purchase and install a new sump pump in the Decon Trailer Sump. The water main break was repaired in August 2003. The new pump was ordered. Delivery is expected in October 2003. STES placed a portable sump pump in the sump, which captures the overflow from the boot wash leak. This pump was configured to discharge to the hard piped discharge piping leading to the Decontamination Sump.

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.



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.

Deficiency

The heat tracing system for the leachate piping is poorly wired and there is evidence of shorts in the system. Many pipes and valves were frozen (and possibly damaged) at the start of this Contract.

Recommended Repair Action

The work on the heat tracing system commenced in June 2003 in accordance with Section 5.0 of the Contract and continued in August 2003. Unforeseen repairs were required which were out-of-scope. These repairs were authorized by the NYCDEP in August 2003.

Operating System - Landfill Gas System

Deficiency

The operation of the gas flare blower system continues to be sporadic despite the completion of the Contract required installation of the auto transformer kits.

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.

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

STES is recommending that an Electrical Control Specialist troubleshoot the gas flare system to identify whatever problems are resulting in the continued sporadic operation. This is out-of-scope work and will require prior authorization from the NYCDEP.

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 August 2003 are located in Appendix B of this report.



Appendix A – Summary of Laboratory Analysis

ANALYTICAL REPORT

JOB NUMBER: 227722

Prepared For:

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

Attention: Joe Covati

Date: 10/01/2003

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: 10/01/2003

Job Number: 227722 Customer...: STES - Glen Cove Attn....: Joe Covati

Project Number....: 20000073 Customer Project ID...: PELHAM BAY 1317 Project Description...: Pelham Bay

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
227722-1	MW 104	Water	08/25/2003	09:30	08/26/2003	11:45
227722-2	MW 109	Water	08/25/2003	09:30	08/26/2003	11:45
227722-3	MW 119	Water	08/25/2003	09:30	08/26/2003	11:45
227722-4	MW 120B	Water	08/25/2003	09:30	08/26/2003	11:45
227722-5	MW 120	Water	08/25/2003	09:30	08/26/2003	11:45
227722-6	MW 121	Water	08/25/2003	09:30	08/26/2003	11:45
227722-7	MW 122	Water	08/25/2003	09:30	08/26/2003	11:45
227722-8	TRIP BLANK		08/26/2003	00:00	08/26/2003	11:45

Job Number: 227722 Date: 10/01/2003

CUSTOMER: STES - Glen Cove PROJECT: PELHAM BAY 1317 ATTN: Joe Covati

Customer Sample ID: MW 104
Date Sampled....: 08/25/2003
Time Sampled....: 09:30
Sample Matrix...: Water

Laboratory Sample ID: 227722-1 Date Received....: 08/26/2003 Time Received....: 11:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 200.7	Acid Digestion (ICP)	Complete				Text	08/28/03	rmc
EPA 270.2	Selenium (Se)	25.0	U	SN	25.0	ug/L	09/08/03	rmc
EPA 245.1	Mercury (Hg)	0.31			0.20	ug/L	08/28/03	lms
SM18 4500CNE	Cyanide, Total	0.0150		 	0.0100	mg/L	09/03/03	ne
SW846 8081A	Organochlorine Pesticide Analysis alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane) Heptachlor Aldrin Heptachlor epoxide Endosulfan I Dieldrin 4,4'-DDE Endrin Endosulfan II 4,4'-DDD Endosulfan sulfate 4,4'-DDT Methoxychlor Toxaphene Endrin aldehyde Technical Chlordane	0.051 0.051 0.051 0.051 0.051 0.051 0.051 0.10 0.10	00000000000000000000000000000000000000		0.051 0.051 0.051 0.051 0.051 0.051 0.051 0.10 0.10	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03	STICO
SW846 6010B	Metals Analysis (ICAP) Aluminum (Al) Antimony (Sb) Arsenic (As) Barium (Ba) Beryllium (Be) Cadmium (Cd) Calcium (Ca) Chromium (Cr) Cobalt (Co) Copper (Cu) Iron (Fe) Lead (Pb) Magnesium (Mg) Manganese (Mn) Nickel (Ni) Potassium (K) Sodium (Na) Silver (Ag)	1820 120 20.0 586 10.0 10.0 316000 20.0 100 50.0 6600 37.2 828000 63.9 80.0 386000 7360000 20.0	ם ט טטטט		400 120 20.0 400 10.0 10.0 10000 20.0 50.0 200 6.0 10000 20.0 80.0 250000 250000 20.0	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	09/09/03 09/09/03 09/09/03 09/09/03 09/09/03 09/09/03 09/09/03 09/09/03 09/09/03 09/09/03 09/09/03 09/09/03 09/09/03 09/09/03	mad mad mad mad mad mad mad mad mad mad

Job Number: 227722 Date: 10/01/2003

CUSTOMER: STES - Glen Cove PROJECT: PELHAM BAY 1317 ATTN: Joe Covati

Customer Sample ID: MW 104
Date Sampled. ...: 08/25/2003
Time Sampled. ...: 09:30
Sample Matrix. ...: Water

Laboratory Sample ID: 227722-1 Date Received.....: 08/26/2003 Time Received.....: 11:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TE
	Thallium (Tl)	40.0	U	N	40.0	ug/L	09/10/03	mad
	Vanadium (V)	100	U	l	100	ug/L	09/09/03	
	Zinc (Zn)	81.7			40.0	ug/L	09/09/03	mad
SW846 8270C	Semivolatile Organics							İ
	n-Nitrosodimethylamine	enviroform		l	10.	ug/L		mmk
	Phenol	enviroform		l L	10.	ug/L		mmk
	Bis(2-chloroethyl)ether	enviroform	١.	l	10.	ug/L		mm
	1,3-Dichlorobenzene	enviroform		 	10.	ug/L		mmi
	1,4-Dichlorobenzene	enviroform			10.	ug/L		mmi
	1,2-Dichlorobenzene	enviroform	!	l L	10.	ug/L		mm
	Benzyl alcohol	enviroform		l	10.	ug/L		mm
	2-Methylphenol (o-cresol)	enviroform			10.	ug/L		mm
	2,2-oxybis (1-chloropropane)	enviroform		l	10.	ug/L		mm
	n-Nitroso-di-n-propylamine	enviroform			10.	ug/L		mmi
	Hexachloroethane	enviroform			10.	ug/L	1	mmi
	4-Methylphenol (m/p-cresol)	enviroform			10.	ug/L		mmi
	2-Chlorophenol	enviroform			10.	ug/L		mm
	Nitrobenzene	enviroform			10.	ug/L		mml
	Bis(2-chloroethoxy)methane	enviroform			10.	ug/L		mmi
	1,2,4-Trichlorobenzene	enviroform			10.	ug/L		mmi
	Isophorone	enviroform	1		10.	ug/L	-	m
	2,4-Dimethylphenol	enviroform	1		10.	ug/L		mm
	Hexachlorobutadiene	enviroform	1		10.	ug/L		mm
	Naphthalene	enviroform			10.	ug/L		mmi
	2,4-Dichlorophenol	enviroform			10.	ug/L		mmi
	4-Chloroaniline	enviroform	1 1		10.	ug/L		mm
	2,4,6-Trichlorophenol	enviroform			10.	ug/L		mmi
	2,4,5-Trichlorophenol	enviroform	1		50.	ug/L		mm
	Hexachlorocyclopentadiene	enviroform			10.	ug/L	l	mm
	2-Methylnaphthalene	enviroform		İ	10.	ug/L		mm
	2-Nitroaniline	enviroform			25.	ug/L		mm
	2-Chloronaphthalene	enviroform			10.	ug/L		m
	4-Chloro-3-methylphenol	enviroform			10.	ug/L		mr
	2,6-Dinitrotoluene	enviroform			10.	ug/L		mm
	2-Nitrophenol	enviroform			10.	ug/L		mm
	3-Nitroaniline	enviroform	1		25	ug/L		mm
	Dimethyl phthalate	enviroform	İ		10.	ug/L		mm
	2,4-Dinitrophenol	enviroform			25	ug/L		m
	Acenaphthylene	enviroform	Ιi		10.	ug/L		mm
	2,4-Dinitrotoluene	enviroform	i i		10.	ug/L		mm
	Acenaphthene	enviroform	i i		10.	ug/L	i	mm
	Dibenzofuran	enviroform	Ιi		10.	ug/L	i	mm
	4-Nitrophenol Fluorene	enviroform			25.	ug/L		mm
	1 1001 100	enviroform			10.	ug/L		mm
	4-Nitroaniline	enviroform			25.	ug/L		mr
	4-Bromophenyl phenyl ether	enviroform	il		10.	ug/L		mm
	Hexachlorobenzene	enviroform	1 1		10.	ug/L		mmi
	Diethyl phthalate	enviroform	1 1		10.	uq/L		mml

Job Number: 227722 Date: 10/01/2003

CUSTOMER: STES - Glen Cove PROJECT: PELHAM BAY 1317 ATIN: Joe Covati

Customer Sample ID: MW 104
Date Sampled. ...: 08/25/2003
Time Sampled. ...: 09:30
Sample Matrix. ...: Water

Laboratory Sample ID: 227722-1
Date Received....: 08/26/2003
Time Received....: 11:45

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	l	mmb
	n-Nitrosodiphenylamine	enviroform		!	10.	ug/L		mmb
	4,6-Dinitro-2-methylphenol	enviroform	-		25.	ug/L		mmb
	Phenanthrene	enviroform		ļ	10.	ug/L		mmb
	Anthracene	enviroform	1		10.	ug/L	1	mmib
	Di-n-butyl phthalate	enviroform			10.	ug/L	l	mmb
ļ	Fluoranthene	enviroform			10.	ug/L		mmb
	Pyrene	enviroform		1	10.	ug/L	•	mmb
	Butvl benzyl phthalate	enviroform		l	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		ļ	10.	ug/L		mmb
	Benzo (b) fluoranthene	enviroform			10.	ug/L		mmb
	Benzo(k) fluoranthene	enviroform	1	!	10.	ug/L	ļ	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	ļ	mmb
	Benzo(ghi)perylene	enviroform	-		10.	ug/L		mmio
SW846 8260B	Volatile Organics		İ				İ	
	Chloromethane	enviro	-		10.0	ug/L	09/05/03	aml
	Vinyl chloride	enviro	1	!	10.0	ug/L	09/05/03	aml
	Bromomethane	enviro		!	10.0	ug/L	09/05/03	aml
	Chloroethane	enviro	1		10.0	ug/L	09/05/03	
	1,1-Dichloroethene	enviro		ļ	10.0	ug/L	09/05/03	
	Carbon disulfide	enviro			10.0	uq/L	09/05/03	
	Acetone	enviro			10.0	ug/L	09/05/03	
	Methylene chloride	enviro		ļ	10.0	uq/L	09/05/03	
	1,1-Dichloroethane	enviro	1		10.0	ug/L	09/05/03	
	Vinyl acetate	enviro		ļ	10.0	ug/L	09/05/03	aml
	2-Butanone (MEK)	enviro		ļ	10.0	ug/L	09/05/03	
	Chloroform	enviro	ļ		10.0	ug/L	09/05/03	
	1,1,1-Trichloroethane	enviro			10.0	uq/L	09/05/03	
	Carbon tetrachloride	enviro			10.0	ug/L	09/05/03	
	1,2-Dichloroethene (total)	enviro			10.0	ug/L	09/05/03	
	Benzene	enviro		[10.0	ug/L	09/05/03	
	1,2-Dichloroethane	enviro			10.0	ug/L	09/05/03	
	Trichloroethene	enviro			10.0	ug/L	09/05/03	
	1,2-Dichloropropane	enviro			10.0	uq/L	09/05/03	
	Bromodichloromethane	enviro			10.0	uq/L	09/05/03	
	2-Chloroethylvinylether	enviro			10.0	uq/L	09/05/03	
	cis-1,3-Dichloropropene	enviro			10.0	ug/L	09/05/03	
	4-Methyl-2-pentanone (MIBK)	enviro			10.0	ug/L	09/05/03	
	Toluene	enviro			10.0	uq/L	09/05/03	
	trans-1,3-Dichloropropene	enviro			10.0	ug/L	09/05/03	
	1,1,2-Trichloroethane	enviro		1	10.0	ug/L	09/05/03	
						-3/2	, , , , , , , ,	

Job Number: 227722

Date: 10/01/2003

CUSTOMER: STES - Glen Cove

PROJECT: PELHAM BAY 1317

ATTN: Joe Covati

Customer Sample ID: MW 104
Date Sampled. . . . 08/25/2003
Time Sampled. . . . 09:30
Sample Matrix. . . : Water

Laboratory Sample ID: 227722-1 Date Received....: 08/26/2003 Time Received....: 11:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
	Tetrachloroethene 2-Hexanone Dibromochloromethane Chlorobenzene Ethylbenzene Styrene Bromoform 1,1,2,2-Tetrachloroethane Xylenes (total) 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene	enviro enviro enviro enviro enviro enviro enviro enviro enviro enviro enviro enviro enviro enviro enviro enviro enviro enviro enviro			10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	09/05/03 09/05/03 09/05/03 09/05/03 09/05/03 09/05/03 09/05/03 09/05/03 09/05/03 09/05/03 09/05/03	aml aml aml aml aml aml aml aml aml aml

^{*} In Description = Dry Wgt.

Job Number: 227722 Date: 10/01/2003

CUSTOMER: STES - Glen Cove PROJECT: PELHAM BAY 1317 ATTN: Joe Covati

Customer Sample ID: MW 109
Date Sampled....: 08/25/2003
Time Sampled....: 09:30
Sample Matrix...: Water

Laboratory Sample ID: 227722-2
Date Received....: 08/26/2003
Time Received....: 11:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 200.7	Acid Digestion (ICP)	Complete				Text	08/28/03	rmc
EPA 270.2	Selenium (Se)	5.0	U	SN	5.0	ug/L	09/08/03	rmc
EPA 245.1	Mercury (Hg)	0.20	U		0.20	ug/L	08/28/03	lms
SM18 4500CNE	Cyanide, Total	0.0100	U		0.0100	mg/L	09/03/03	ne
SW846 8081A	Organochlorine Pesticide Analysis alpha-BHC beta-EHC delta-BHC gamma-BHC (Lindane) Heptachlor Aldrin Heptachlor epoxide Endosulfan I Dieldrin 4,4'-DDE Endrin Endosulfan II 4,4'-DDD Endosulfan sulfate 4,4'-DDT Methoxychlor Toxaphene Endrin aldehyde Technical Chlordane	0.052 0.052 0.052 0.052 0.052 0.052 0.052 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.1	ממממממממממממממ		0.052 0.052 0.052 0.052 0.052 0.052 0.052 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.1	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03	smo smo smo smo smo smo smo smo smo smo
SW846 6010B	Metals Analysis (ICAP) Aluminum (Al) Antimony (Sb) Arsenic (As) Barium (Ba) Beryllium (Be) Cadmium (Cd) Calcium (Ca) Chromium (Cr) Cobalt (Co) Copper (Cu) Iron (Fe) Lead (Pb) Magnesium (Mg) Manganese (Mn) Nickel (Ni) Potassium (K) Sodium (Na) Silver (Ag)	9170 60.0 10.0 200 5.0 5.0 156000 29.7 50.0 25.0 29800 13.7 33600 7030 72.9 10300 36500 10.0	ם טטטטט		200 60.0 10.0 200 5.0 5.0 50.0 25.0 100 3.0 5000 10.0 40.0 10000 5000 10.0	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	09/09/03 09/09/03 09/09/03 09/09/03 09/09/03 09/09/03 09/09/03 09/09/03 09/09/03 09/09/03 09/09/03 09/09/03 09/09/03	mad mad mad mad mad mad mad mad mad mad

Job Number: 227722

Date: 10/01/2003

CUSTOMER: STES - Glen Cove

PROJECT: PELHAM BAY 1317

ATTN: Joe Covati

Customer Sample ID: MW 109
Date Sampled.....: 08/25/2003 Time Sampled....: 09:30
Sample Matrix...: Water

Laboratory Sample ID: 227722-2
Date Received.....: 08/26/2003
Time Received....: 11:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
	Thallium (T1)	20.0	U		20.0	ug/L	09/10/03	mad
	Vanadium (V)	50.0	U	l	50.0	ug/L	09/09/03	mad
	Zinc (Zn)	70.1		! 	20.0	ug/L	09/09/03	mad
SW846 8270C	Semivolatile Organics							
	n-Nitrosodimethylamine	enviroform		!	10.	ug/L	1	mmb
	Phenol	enviroform		i	10.	ug/L		mmb
	Bis(2-chloroethyl)ether	enviroform	1	l	10.	ug/L	1	mmb
	1,3-Dichlorobenzene	enviroform			10.	ug/L		mmb
	1,4-Dichlorobenzene	enviroform			10.	ug/L	i	mmb
	1,2-Dichlorobenzene	enviroform	1	l L	10.	ug/L	1	mmb
	Benzyl alcohol	enviroform		i	10.	ug/L	1	mmb
	2-Methylphenol (o-cresol)	enviroform		1	10.	ug/L		mmb
	2,2-oxybis (1-chloropropane)	enviroform	-		10.	ug/L	l	mmb
	n-Nitroso-di-n-propylamine	enviroform	1		10.	ug/L	1	mmb
	Hexachloroethane	enviroform	1		10.	ug/L		mmb
	4-Methylphenol (m/p-cresol)	enviroform			10.	ug/L	i	mmb
	2-Chlorophenol	enviroform	1	 	10.	ug/L	1	mmb
	Nitrobenzene	enviroform	1	i	10.	ug/L	1	mmb
	Bis(2-chloroethoxy)methane	enviroform	1		10.	ug/L		mmb
	1,2,4-Trichlorobenzene	enviroform	1		10.	ug/L	i	mmb
	Isophorone	enviroform			10.	ug/L	1	mmb
	2,4-Dimethylphenol	enviroform	-		10.	ug/L		mmb
	Hexachlorobutadiene	enviroform		l	10.	ug/L		mmb
	Naphthalene	enviroform	1		10.	ug/L		mmb
	2,4-Dichlorophenol	enviroform	1	i	10.	ug/L	i	mmb
	4-Chloroaniline	enviroform		ŀ	10.	ug/L		mmb
	2,4,6-Trichlorophenol	enviroform	1		10.	ug/L	i	mmb
	2,4,5-Trichlorophenol	enviroform		l	50.	ug/L		mmb
	Hexachlorocyclopentadiene	enviroform	i	i	10.	ug/L	i	mmb
	2-Methylnaphthalene	enviroform			10.	ug/L		mmb
	2-Nitroaniline	enviroform			25.	ug/L	i	mmb
	2-Chloronaphthalene	enviroform	-		10.	ug/L		mmb
	4-Chloro-3-methylphenol	enviroform	i	i	10.	ug/L	i	mmb
	2,6-Dinitrotoluene	enviroform	i		10.	ug/L	1	mmb
	2-Nitrophenol	enviroform		İ	10.	ug/L	i	mmb
	3-Nitroaniline	enviroform	i		25	ug/L		mmb
	Dimethyl phthalate	enviroform	i	i	10.	ug/L	i	mmb
	2,4-Dinitrophenol	enviroform	i	i	25	ug/L		mmb
	Acenaphthylene	enviroform	i	İ	10.	ug/L	i	mmb
	2,4-Dinitrotoluene	enviroform	İ	i	10.	ug/L		mmb
	Acenaphthene	enviroform	İ	İ	10.	ug/L	İ	mmb
	Dibenzofuran	enviroform			10.	ug/L		mmb
	4-Nitrophenol	enviroform enviroform		i	25. 10.	ug/L	İ	mmb
	Fluorene 4-Nitroaniline	enviroform	İ		25.	ug/L	İ	mmb
		enviroform enviroform	İ		25. 10.	ug/L	İ	mmb
	4-Bromophenyl phenyl ether Hexachlorobenzene	enviroform	1			ug/L		mmb
		enviroform	İ		10. 10.	ug/L		mmb
	Diethyl phthalate	GIVITOLOTIII	i	İ	10.	ug/L	i	mmb

Job Number: 227722

Date: 10/01/2003

CUSTOMER: STES - Glen Cove

PROJECT: PELHAM BAY 1317

ATTN: Joe Covati

Customer Sample ID: MW 109
Date Sampled. 08/25/2003
Time Sampled. 09:30
Sample Matrix. . . . Water

Laboratory Sample ID: 227722-2
Date Received.....: 08/26/2003
Time Received.....: 11:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TEC
	4-Chlorophenyl phenyl ether	enviroform			10.	ug/L		mmb
	Pentachlorophenol	enviroform		ļ	25.	ug/L		mmb
	n-Nitrosodiphenylamine	enviroform	- !		10.	ug/L		mmb
	4,6-Dinitro-2-methylphenol	enviroform		!	25.	ug/L	ļ	mmb
	Phenanthrene	enviroform	ļ		10.	ug/L		mmb
	Anthracene	enviroform	1		10.	ug/L	!	mmb
	Di-n-butyl phthalate	enviroform	- !		10.	ug/L		mmb
	Fluoranthene	enviroform		!	10.	ug/L		mmb
	Pyrene	enviroform	- 1		10.	ug/L		mmb
	Butyl benzyl phthalate	enviroform			10.	ug/L		mmb
	Benzo (a) anthracene	enviroform	- !		10.	ug/L	1	mmb
	Chrysene	enviroform	- !		10.	ug/L	1	mmb
	3,3-Dichlorobenzidine	enviroform		ļ	10.	ug/L		mmb
	Bis(2-ethylhexyl)phthalate	enviroform	-		10.	ug/L	1	mmb
	Di-n-octyl phthalate	enviroform			10.	ug/L		mmb
	Benzo (b) fluoranthene	enviroform	ļ		10.	ug/L	ļ	mmb
	Benzo (k) fluoranthene	enviroform	1		10.	ug/L		mmb
	Benzo (a) pyrene	enviroform	ļ		10.	ug/L		mmb
	Indeno(1,2,3-cd)pyrene	enviroform	ļ		10.	ug/L	1	mmb
	Dibenzo (a, h) anthracene	enviroform			10.	ug/L		mmb
	Benzo (ghi) perylene	enviroform	- 1		10.	ug/L		mmb
	Belizo (gill) perytelle	CHVIIOIOIM			10.	49/1	İ	li til
SW846 8260B	Volatile Organics		-			-	i	١.
	Chloromethane	enviro	İ	ĺ	10.0	ug/L		aml
	Vinyl chloride	enviro	i	i	10.0	ug/L	İ	aml
	Bromomethane	enviro		i	10.0	ug/L		aml
	Chloroethane	enviro		i	10.0	ug/L		aml
	1,1-Dichloroethene	enviro	i	İ	10.0	ug/L	i	aml
	Carbon disulfide	enviro	i	i	10.0	ug/L	į	aml
	Acetone	enviro		i	10.0	ug/L	İ	aml
	Methylene chloride	enviro	İ	i	10.0	ug/L	İ	aml
	1,1-Dichloroethane	enviro	i	i	10.0	ug/L	i	aml
	Vinyl acetate	enviro	i	İ	10.0	ug/L		aml
	2-Butanone (MEK)	enviro	i	İ	10.0	ug/L		aml
	Chloroform	enviro	İ	ì	10.0	ug/L		aml
	1,1,1-Trichloroethane	enviro enviro	İ	İ	10.0	ug/L		aml
	Carbon tetrachloride	enviro		i	10.0	ug/L		aml
	1,2-Dichloroethene (total)		İ		10.0	ug/L		aml
	Benzene	enviro	i	İ	10.0	ug/L		aml
	1,2-Dichloroethane	enviro	i	i	10.0	ug/L	i	aml
	Trichloroethene	enviro	i		10.0	ug/L		aml
	1,2-Dichloropropane	enviro		İ	10.0	ug/L		aml
	Bromodichloromethane	enviro	i		10.0	ug/L	İ	aml
	2-Chloroethylvinylether	enviro	İ	i	10.0	ug/L		aml
	cis-1,3-Dichloropropene	enviro			10.0	ug/L		aml
	4-Methyl-2-pentanone (MIBK)	enviro	1		10.0	ug/L		aml
	Toluene	enviro	ĺ		10.0	ug/L		aml
	trans-1,3-Dichloropropene	enviro			10.0	ug/L		aml
	1,1,2-Trichloroethane	enviro	1	1	10.0	uq/L		aml

Job Number: 227722 Date: 10/01/2003

CUSTOMER: STES - Glen Cove PROJECT: PELHAM BAY 1317 ATIN: Joe Covati

Customer Sample ID: MW 109
Date Sampled....: 08/25/2003
Time Sampled....: 09:30
Sample Matrix...: Water

Laboratory Sample ID: 227722-2
Date Received.....: 08/26/2003
Time Received.....: 11:45

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

Job Number: 227722

Date: 10/01/2003

CUSTOMER: STES - Glen Cove

PROJECT: PELHAM BAY 1317

ATTN: Joe Covati

Customer Sample ID: MW 119
Date Sampled....: 08/25/2003
Time Sampled....: 09:30
Sample Matrix...: Water

Laboratory Sample ID: 227722-3
Date Received.....: 08/26/2003
Time Received.....: 11:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 200.7	Acid Digestion (ICP)	Complete	T			Text	08/28/03	rmc
EPA 270.2	Selenium (Se)	25.0	U	SIN	25.0	ug/L	09/08/03	rmc
EPA 245.1	Mercury (Hg)	0.20	ט		0.20	ug/L	08/28/03	lms
SM18 4500CNE	Cyanide, Total	0.0100	U		0.0100	mg/L	09/03/03	ne
SW846 8081A	Organochlorine Pesticide Analysis alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane) Heptachlor Aldrin Heptachlor epoxide Endosulfan I Dieldrin 4,4'-DDE Endrin Endosulfan II 4,4'-DDD Endosulfan sulfate 4,4'-DDT Methoxychlor Toxaphene Endrin aldehyde Technical Chlordane	0.052 0.052 0.052 0.052 0.052 0.052 0.052 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.1	חמם ממממם ממממם ממ		0.052 0.052 0.052 0.052 0.052 0.052 0.052 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.1	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03	smo smo smo smo smo smo smo smo smo smo
SW846 6010B	Metals Analysis (ICAP) Aluminum (Al) Antimony (Sb) Arsenic (As) Barium (Ba) Beryllium (Be) Cadmium (Cd) Calcium (Ca) Chromium (Cr) Cobalt (Co) Copper (Cu) Iron (Fe) Lead (Pb) Magnesium (Mg) Manganese (Mn) Nickel (Ni) Potassium (Na) Silver (Ag)	1130 120 20.0 400 10.0 366000 20.0 100 50.0 7430 16.7 831000 839 80.0 402000 7540000 20.0	ם ם ממממם	Е	400 120 20.0 400 10.0 10.0 10000 20.0 100 50.0 200 6.0 10000 20.0 80.0 250000 250000 20.0	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	09/09/03 09/09/03 09/09/03 09/09/03 09/09/03 09/09/03 09/09/03 09/09/03 09/09/03 09/09/03 09/09/03 09/09/03 09/09/03 09/09/03	mad mad mad mad mad mad mad mad mad mad

^{*} In Description = Dry Wgt.

Job Number: 227722

Date: 10/01/2003

CUSTOMER: STES - Glen Cove

PROJECT: PELHAM BAY 1317

ATTN: Joe Covati

Customer Sample ID: MW 119
Date Sampled....: 08/25/2003
Time Sampled....: 09:30
Sample Matrix...: Water

Laboratory Sample ID: 227722-3
Date Received.....: 08/26/2003
Time Received....: 11:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TE
_	Thallium (Tl)	40.0	U		40.0	ug/L	09/10/03	
	Vanadium (V)	100	U	l	100	ug/L	09/09/03	ma
	Zinc (Zn)	70.1			40.0	ug/L	09/09/03	ma
√846 8270C	Semivolatile Organics		į	İ				
	n-Nitrosodimethylamine	enviroform	1		10.	ug/L	1	mm
	Phenol	enviroform			10.	ug/L		mm
	Bis(2-chloroethyl)ether	enviroform			10.	ug/L		mm
	1,3-Dichlorobenzene	enviroform	-	1	10.	ug/L		mm
	1,4-Dichlorobenzene	enviroform			10.	ug/L]	lmn
	1,2-Dichlorobenzene	enviroform		1	10.	ug/L		m
	Benzyl alcohol	enviroform	ł		10.	ug/L	-	m
	2-Methylphenol (o-cresol)	enviroform	1		10.	ug/L		m
	2,2-oxybis (1-chloropropane)	enviroform	-		10.	ug/L		m
	n-Nitroso-di-n-propylamine	enviroform			10.	ug/L		m
	Hexachloroethane	enviroform			10.	ug/L		m
	4-Methylphenol (m/p-cresol)	enviroform		1	10.	ug/L	ļ	m
	2-Chlorophenol	enviroform	-		10.	ug/L		m
	Nitrobenzene	enviroform	-		10.	ug/L	1	m
	Bis(2-chloroethoxy)methane	enviroform	1		10.	ug/L	-	m
	1,2,4-Trichlorobenzene	enviroform			10.	uq/L		m
	Isophorone	enviroform	!		10.	ug/L		π
	2,4-Dimethylphenol	enviroform	1		10.	uq/L		π
	Hexachlorobutadiene	enviroform		ļ	10.	uq/L		π
	Naphthalene	enviroform	1		10.	ug/L		l _m
	2,4-Dichlorophenol	enviroform	ļ		10.	uq/L	ļ	m
	4-Chloroaniline	enviroform			10.	uq/L		m
	2,4,6-Trichlorophenol	enviroform			10.	ug/L	ļ	π
	2,4,5-Trichlorophenol	enviroform			50.	uq/L	ļ	π
	Hexachlorocyclopentadiene	enviroform	-		10.	uq/L		π
	2-Methylnaphthalene	enviroform		ļ	10.	ug/L		n
	2-Nitroaniline	enviroform			25.	ug/L	ļ	'n
	2-Chloronaphthalene	enviroform			10.	ug/L		'n
	4-Chloro-3-methylphenol	enviroform			10.	ug/L		1,,
	2.6-Dinitrotoluene	enviroform			10.	ug/L		l'n
	2-Nitrophenol	enviroform			10.	ug/L	ļ	"
	3-Nitroaniline	enviroform			25	uq/L	ļ	'n
	Dimethyl phthalate	enviroform			10.	ug/L	1	'n
	2,4-Dinitrophenol	enviroform			25	ug/L		וו
	Acenaphthylene	enviroform			10.	ug/L		1,0
	2.4-Dinitrotoluene	enviroform			10.	ug/L		Ι"
	Acenaphthene	enviroform	-		10.	ug/L		Ι"
	Dibenzofuran	enviroform			10.	ug/L		"
	4-Nitrophenol	enviroform			25.	ug/L		in
	Fluorene	enviroform			10.	ug/L		l"
	4-Nitroaniline	enviroform			25.	ug/L		l'ii
	4-Bromophenyl phenyl ether	enviroform			10.	ug/L ug/L		π
	Hexachlorobenzene	enviroform			10.			n
		enviroform				ug/L		1
	Diethyl phthalate	GIMITOTOTIII	i	ĺ	10.	ug/L	į	m

^{*} In Description = Dry Wgt.

Job Number: 227722

Date: 10/01/2003

REPORTING LIMIT

10.0

10.0

10.0

10.0

10.0

10.0

ug/L

ug/L

ug/L

ug/L

ug/L

ug/L

aml

aml

aml

aml

aml

aml

Q FLAGS

CUSTOMER: STES - Glen Cove

TEST METHOD

PROJECT: PELHAM BAY 1317

SAMPLE RESULT

ATIN: Joe Covati

Customer Sample ID: MW 119
Date Sampled....: 08/25/2003
Time Sampled....: 09:30
Sample Matrix....: Water

PARAMETER/TEST DESCRIPTION

Laboratory Sample ID: 227722-3
Date Received....: 08/26/2003
Time Received...: 11:45

UNITS

ANALYZED TECH

enviroform dmm 4-Chlorophenyl phenyl ether 10. ua/L enviroform 25. ug/L mmb Pentachlorophenol ug/L dmm enviroform 10. n-Nitrosodiphenylamine 4,6-Dinitro-2-methylphenol enviroform 25. ug/L dmm Phenanthrene enviroform 10. ug/L dmm Anthracene enviroform 10. ug/L dmm Di-n-butyl phthalate enviroform 10. ug/L dmm Fluoranthene enviroform 10. ug/L mmb ug/L enviroform 10. mmb Pyrene mmb enviroform 10. ug/L Butyl benzyl phthalate Benzo (a) anthracene enviroform 10. ug/L mmb enviroform 10. ug/L dmm Chrysene 3,3-Dichlorobenzidine enviroform 10. ug/L dmm Bis (2-ethylhexyl) phthalate enviroform 10. ug/L dmm Di-n-octyl phthalate enviroform 10. ug/L dmm Benzo (b) fluoranthene enviroform 10. ug/L mmb enviroform 10. ug/L dmm Benzo(k) fluoranthene enviroform Benzo(a) pyrene 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 Volatile Organics SW846 8260B Chloromethane enviro 10.0 ug/L aml enviro 10.0 ug/L aml Vinyl chloride Bromomethane envi m 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 ug/L enviro 10.0 aml 1,1-Dichloroethane enviro 10.0 ug/L aml enviro ug/L Vinyl acetate 10.0 aml 2-Butanone (MEK) envi ro 10.0 ug/L aml ug/L enviro 10.0 Chloroform aml 1,1,1-Trichloroethane enviro 10.0 ug/L aml Carbon tetrachloride envi ro 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 10.0 1,2-Dichloropropane enviro ug/L aml Bromodichloromethane enviro 10.0 ug/L aml

2-Chloroethylvinylether

cis-1,3-Dichloropropene

Toluene

4-Methyl-2-pentanone (MIBK)

trans-1,3-Dichloropropene

1,1,2-Trichloroethane

enviro enviro

enviro

enviro

enviro

enviro

Job Number: 227722

Date: 10/01/2003

CUSTOMER: STES - Glen Cove

PROJECT: PELHAM BAY 1317

ATTN: Joe Covati

Customer Sample ID: MW 119
Date Sampled....: 08/25/2003
Time Sampled....: 09:30
Sample Matrix...: Water

Laboratory Sample ID: 227722-3
Date Received.....: 08/26/2003
Time Received.....: 11:45

EST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FL	AGS	REPORTING LIMIT	UNITS	ANALYZED	TE
	Tetrachloroethene	enviro			10.0	ug/L		am
	2-Hexanone	enviro	1 1		10.0	ug/L	1	am
	Dibromochloromethane	enviro			10.0	ug/L		am
	Chlorobenzene	enviro			10.0	ug/L	-	am
	Ethylbenzene	enviro	11		10.0	ug/L		am
	Styrene	enviro	1		10.0	ug/L	!	am
	Bromoform	enviro			10.0	ug/L		arr
	1,1,2,2-Tetrachloroethane	enviro			10.0	ug/L		an
	Xylenes (total)	enviro			10.0	ug/L	!	ar
	1,3-Dichlorobenzene	enviro			10.0	ug/L	!	ar
	1,4-Dichlorobenzene	enviro			10.0	ug/L		ar
	1,2-Dichlorobenzene	enviro			10.0	ug/L		la
	1,2-Dicinolobenzene	enviro			10.0	ug/L		a
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SAMPLE RESULT

Complete

Q FLAGS

Job Number: 227722 Date: 10/01/2003

CUSTOMER: STES - Glen Cove PROJECT: PELHAM BAY 1317 ATTN: Joe Covati

PARAMETER/TEST DESCRIPTION

Customer Sample ID: MW 120B
Date Sampled....: 08/25/2003
Time Sampled....: 09:30
Sample Matrix...: Water

Acid Digestion (ICP)

TEST METHOD

EPA 200.7

Laboratory Sample ID: 227722-4 Date Received....: 08/26/2003 Time Received....: 11:45

UNITS

Text

ug/L

ug/L

ug/L

ug/L

ug/L

ug/L

ug/L

ug/L

ug/L

ug/L

ug/L

ug/L

ug/L

09/09/03 mad

09/09/03 mad

09/09/03 mad

09/09/03 mad

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09/09/03 mad

09/09/03 mad

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09/09/03 mad

09/09/03 mad

09/09/03 mad

09/09/03 mad

09/09/03 mad

10.0

20.0

50.0

6.0

20.0

80.0

20.0

100

200

10000

250000

250000

10000

ANALYZED TECH

08/28/03 rmc

REPORTING LIMIT

U 25.0 +N 25.0 ug/L 09/08/03 rmc EPA 270.2 Selenium (Se) U 0.20 08/28/03 lms 0.20 EPA 245.1 Mercury (Hg) ug/L U 0.0100 0.0100 mg/L 09/03/03 ne SM18 4500CNE Cyanide, Total Organochlorine Pesticide Analysis SW846 8081A 0.051 ug/L 09/11/03 smo 0.051 alpha-BHC 09/11/03 smo 0.051 IJ 0.051 beta-BHC ug/L delta-BHC 0.051 U 0.051 ug/L 09/11/03 smo gamma-BHC (Lindane) 0.051 U 0.051 ug/L 09/11/03 smo 0.051 ļυ 0.051 ug/L 09/11/03 smo Heptachlor 0.051 U 0.051 ug/L 09/11/03 smo Aldrin Heptachlor epoxide U 0.051 0.051 ug/L 09/11/03 smo 0.10 U 0.10 ug/L 09/11/03 smo Endosulfan I U 0.10 0.10 ug/L 09/11/03 smo Dieldrin 0.10 U ug/L 09/11/03 smo 0.10 4,4'-DDE U 09/11/03 smo Endrin 0.10 0.10 ug/L U Endosulfan II 0.10 0.10 ug/L 09/11/03 smo 4,4'-DDD 0.10 U 0.10 ug/L 09/11/03 smo Endosulfan sulfate 0.10 U 0.10 ug/L 09/11/03 smo 0.10 U 0.10 09/11/03 smo 4,4'-DDT ug/L 0.51 U Methoxychlor 0.51 ug/L 09/11/03 smo 1.0 U 1.0 09/11/03 smo ug/L Toxaphene Endrin aldehyde 0.10 U 0.10 09/11/03 smo ug/L Technical Chlordane 0.51 U 09/11/03 smo 0.51 ug/L SW846 6010B Metals Analysis (ICAP) Aluminum (Al) 400 U 400 ug/L 09/09/03 mad Antimony (Sb) Arsenic (As) 120 U 120 09/09/03 mad ug/L 20.0 20.0 09/09/03 mad U ug/L Barium (Ba) 523 400 ug/L 09/09/03 mad Beryllium (Be) 10.0 U 10.0 ug/L 09/09/03 mad

Cadmium (Cd)

Calcium (Ca)

Chromium (Cr)

Magnesium (Mg)

Manganese (Mn)

Potassium (K)

Nickel (Ni)

Sodium (Na)

Silver (Ag)

Cobalt (Co)

Copper (Cu)

Iron (Fe)

Lead (Pb)

10.0

30.5

50.0

10.2

80.0

20.0

100

1310

484

733000

440000

6790000

318000

U

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U

U

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^{*} In Description = Dry Wgt.

Job Number: 227722 Date: 10/01/2003

PROJECT: PELHAM BAY 1317 CUSTOMER: STES - Glen Cove ATTN: Joe Covati

Customer Sample ID: MW 120B
Date Sampled. ...: 08/25/2003
Time Sampled. ...: 09:30
Sample Matrix. ...: Water

Laboratory Sample ID: 227722-4
Date Received....: 08/26/2003
Time Received....: 11:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TE
	Thallium (Tl)	40.0	U	N	40.0	ug/L	09/10/03	ma
	Vanadium (V)	100	υl		100	ug/L	09/09/03	ma
	Zinc (Zn)	40.6			40.0	ug/L	09/09/03	ma
W846 8270C	Semivolatile Organics							į
	n-Nitrosodimethylamine	enviroform			10.	uq/L		mmi
	Phenol	enviroform			10.	uq/L		mm
	Bis(2-chloroethyl)ether	enviroform			10.	ug/L	1	m
	1,3-Dichlorobenzene	enviroform			10.	ug/L		m
	1,4-Dichlorobenzene	enviroform			10.	ug/L		m
	1,2-Dichlorobenzene	enviroform			10.	uq/L		m
	Benzyl alcohol	enviroform			10.	uq/L	!	m
	2-Methylphenol (o-cresol)	enviroform			10.	uq/L		m
	2,2-oxybis (1-chloropropane)	enviroform			10.	ug/L		m
	n-Nitroso-di-n-propylamine	enviroform			10.	ug/L	ļ	m
	Hexachloroethane	enviroform			10.	ug/L		m
	4-Methylphenol (m/p-cresol)	enviroform			10.	ug/L		m
	2-Chlorophenol	enviroform			10.	ug/L	!	m
	Nitrobenzene	enviroform			10.	ug/L		m
	Bis (2-chloroethoxy) methane	enviroform			10.	ug/L		m
	1,2,4-Trichlorobenzene	enviroform			10.	ug/L ug/L		m
		enviroform			10.			1
	Isophorone	enviroform				ug/L	İ	m
	2,4-Dimethylphenol		i i		10.	ug/L	İ	m
	Hexachlorobutadiene	enviroform	- 1 1		10.	ug/L	İ	m
	Naphthalene	enviroform			10.	ug/L		π
	2,4-Dichlorophenol	enviroform	ii		10.	ug/L		m
	4-Chloroaniline	enviroform	11		10.	ug/L	i	m
	2,4,6-Trichlorophenol	enviroform			10.	ug/L		m
	2,4,5-Trichlorophenol	enviroform			50.	ug/L		m
	Hexachlorocyclopentadiene	enviroform			10.	ug/L		ļπ
	2-Methylnaphthalene	enviroform	-		10.	ug/L		ļπ
	2-Nitroaniline	enviroform	- 1 1		25.	ug/L	1	m
	2-Chloronaphthalene	enviroform	1 1		10.	ug/L		π
	4-Chloro-3-methylphenol	enviroform			10.	ug/L		n
	2,6-Dinitrotoluene	enviroform	-		10.	ug/L	1	ļπ
	2-Nitrophenol	enviroform	- 1 1		10.	ug/L		m
	3-Nitroaniline	enviroform	-		25	ug/L		m
	Dimethyl phthalate	enviroform			10.	ug/L	-	m
	2,4-Dinitrophenol	enviroform			25	ug/L		m
	Acenaphthylene	enviroform			10.	ug/L		m
	2,4-Dinitrotoluene	enviroform			10.	ug/L	1	ļ٣
	Acenaphthene	enviroform	-		10.	ug/L	1	m
	Dibenzofuran	enviroform			10.	ug/L		m
	4-Nitrophenol	enviroform			25.	ug/L	-	lm
	Fluorene	enviroform			10.	ug/L		m
	4-Nitroaniline	enviroform			25.	ug/L		m
	4-Bromophenyl phenyl ether	enviroform			10.	ug/L		m
	Hexachlorobenzene	enviroform			10.	ua/L		m
	Diethyl phthalate	enviroform			10.	ug/L		m
					1 -0.	~=/ L		1

Job Number: 227722

Date: 10/01/2003

CUSTOMER: STES - Glen Cove

PROJECT: PELHAM BAY 1317

ATTN: Joe Covati

Customer Sample ID: MW 120B
Date Sampled. ...: 08/25/2003
Time Sampled. ...: 09:30
Sample Matrix. ...: Water

Laboratory Sample ID: 227722-4
Date Received....: 08/26/2003
Time Received....: 11:45

EST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TE
	4-Chlorophenyl phenyl ether	enviroform			10.	ug/L		mmi
	Pentachlorophenol	enviroform	-		25.	ug/L		mm
	n-Nitrosodiphenylamine	enviroform		ļ	10.	uq/L		mmi
	4,6-Dinitro-2-methylphenol	enviroform			25.	uq/L		mm
	Phenanthrene	enviroform	1	!	10.	uq/L		mr
	Anthracene	enviroform		1	10.	ug/L	ļ	m
	Di-n-butyl phthalate	enviroform		ļ	10.	ug/L		m
	Fluoranthene	enviroform	1		10.	ug/L	ļ	m
	Pyrene	enviroform		1	10.	ug/L		m
	Butyl benzyl phthalate	enviroform			10.	ug/L	1	m
	Benzo (a) anthracene	enviroform	-	İ	10.	ug/L		m
		enviroform			10.	ug/L		m
	Chrysene	enviroform	j		10.		ĺ	1
	3,3-Dichlorobenzidine		Ì	ĺ		ug/L	i	m
	Bis(2-ethylhexyl)phthalate	enviroform	i.		10.	ug/L	i	m
	Di-n-octyl phthalate	enviroform	i	İ	10.	ug/L		m
	Benzo (b) fluoranthene	enviroform	i		10.	ug/L	i	m
	Benzo (k) fluoranthene	enviroform	1		10.	ug/L	i	m
	Benzo (a) pyrene	enviroform	ł		10.	ug/L		m
	Indeno(1,2,3-cd)pyrene	enviroform			10.	ug/L	l	m
	Dibenzo(a,h)anthracene	enviroform			10.	ug/L		m
	Benzo(ghi)perylene	enviroform	-		10.	ug/L		m
46 8260B	Volatile Organics							
	Chloromethane	enviro		i	10.0	ug/L	1	aı
	Vinyl chloride	enviro	- }	ļ	10.0	ug/L	1	a
	Bromomethane	enviro	-		10.0	ug/L	1	a
	Chloroethane	enviro		!	10.0	ug/L	ļ	la
	1.1-Dichloroethene	enviro			10.0	ug/L	ļ	a
	Carbon disulfide	enviro			10.0	ug/L		a
	Acetone	enviro	ļ		10.0	ug/L	!	la
	Methylene chloride	enviro	-		10.0	ug/L		a
	1.1-Dichloroethane	enviro			10.0	ug/L		a
	Vinvl acetate	enviro	1		10.0	ug/L	1	a
	2-Butanone (MEK)	enviro			10.0	ug/L		a
	Chloroform	enviro			10.0	ug/L		a
	1,1,1-Trichloroethane	enviro			10.0	ug/L	1	la a
	Carbon tetrachloride	enviro	l		10.0	ug/L		a
	1.2-Dichloroethene (total)	enviro	-		10.0	ug/L		a
		enviro	İ	ĺ	10.0			1
	Benzene 1.2-Dichloroethane	enviro		İ	10.0	ug/L	į	a
	Trichloroethene	enviro	ĺ	İ	10.0	ug/L	j	-
			İ	İ		ug/L		a
	1,2-Dichloropropane	enviro	İ	İ	10.0	ug/L		a
	Bromodichloromethane	enviro			10.0	ug/L		a
	2-Chloroethylvinylether	enviro			10.0	ug/L		a
	cis-1,3-Dichloropropene	enviro			10.0	ug/L		a
	4-Methyl-2-pentanone (MIBK)	enviro			10.0	ug/L		¦а
	Toluene	enviro			10.0	ug/L		a
	trans-1,3-Dichloropropene	enviro			10.0	ug/L	1	a
	1,1,2-Trichloroethane	enviro			10.0	uq/L		la

Job Number: 227722 Date: 10/01/2003

CUSTOMER: STES - Glen Cove PROJECT: PELHAM BAY 1317 ATTN: Joe Covati

Customer Sample ID: MW 120B
Date Sampled. 08/25/2003
Time Sampled. 09:30
Sample Matrix. . . . Water

Laboratory Sample ID: 227722-4
Date Received.....: 08/26/2003
Time Received.....: 11:45

ST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TE
	Tetrachloroethene	enviro			10.0	ug/L		ami
	2-Hexanone	enviro			10.0	ug/L		am
	Dibromochloromethane	enviro	1		10.0	ug/L	ļ	am
	Chlorobenzene	enviro	1		10.0	ug/L		am
	Ethylbenzene	enviro			10.0	ug/L		am
	Styrene	enviro			10.0	ug/L		an
	Bromoform	enviro			10.0			an
	1,1,2,2-Tetrachloroethane	enviro	İ			ug/L		
	1,1,2,2-Tetrachioroethane		İ	İ	10.0	ug/L	Ì	ar
	Xylenes (total)	enviro	İ	İ	10.0	ug/L	į	aı
	1,3-Dichlorobenzene	enviro	İ		10.0	ug/L		aı
	1,4-Dichlorobenzene	enviro	ł		10.0	ug/L		a
	1,2-Dichlorobenzene	enviro			10.0	ug/L		a
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								İ
								1

Job Number: 227722 Date: 10/01/2003

CUSTOMER: STES - Glen Cove PROJECT: PELHAM BAY 1317 ATTN: Joe Covati

Customer Sample ID: MW 120
Date Sampled....: 08/25/2003
Time Sampled....: 09:30
Sample Matrix...: Water

Laboratory Sample ID: 227722-5
Date Received....: 08/26/2003
Time Received....: 11:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 200.7	Acid Digestion (ICP)	Complete				Text	08/28/03	rmc
EPA 270.2	Selenium (Se)	25.0	U	SN	25.0	ug/L	09/08/03	rmc
EPA 245.1	Mercury (Hg)	0.20	ļυ		0.20	ug/L	08/28/03	lms
SM18 4500CNE	Cyanide, Total	0.0100	U		0.0100	mg/L	09/03/03	ne
SW846 8081A	Organochlorine Pesticide Analysis alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane) Heptachlor Aldrin Heptachlor epoxide Endosulfan I Dieldrin 4,4'-DDE Endrin Endosulfan II 4,4'-DDD Endosulfan sulfate 4,4'-DDT Methoxychlor Toxaphene Endrin aldehyde Technical Chlordane	0.052 0.052 0.052 0.052 0.052 0.052 0.052 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.1	444444444444444444444444444444444444444		0.052 0.052 0.052 0.052 0.052 0.052 0.052 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.1	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03	smo smo smo smo smo smo smo smo smo smo
SW846 6010B	Metals Analysis (ICAP) Aluminum (Al) Antimony (Sb) Arsenic (As) Barium (Ba) Beryllium (Be) Cadmium (Cd) Calcium (Ca) Chromium (Cr) Cobalt (Co) Copper (Cu) Iron (Fe) Lead (Pb) Magnesium (Mg) Manganese (Mn) Nickel (Ni) Potassium (K) Sodium (Na) Silver (Ag)	400 120 20.0 400 10.0 10.0 653000 20.0 100 50.0 3410 6.0 650000 1420 80.0 208000 6960000 20.0	ם מטט טטטטטטט	Е	400 120 20.0 400 10.0 10.0 10000 20.0 1000 50.0 200 6.0 10000 20.0 80.0 125000 20.0	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	09/09/03 09/09/03 09/09/03 09/09/03 09/09/03 09/09/03 09/09/03 09/09/03 09/09/03 09/09/03 09/09/03 09/09/03 09/09/03	mad mad mad mad mad mad mad mad mad mad

Job Number: 227722

CUSTOMER: STES - Glen Cove

PROJECT: PELHAM BAY 1317

ATTN: Joe Covati

Date: 10/01/2003

Customer Sample ID: MW 120
Date Sampled....: 08/25/2003
Time Sampled....: 09:30
Sample Matrix...: Water

Laboratory Sample ID: 227722-5
Date Received.....: 08/26/2003
Time Received.....: 11:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TE
	Thallium (T1)	40.0	Ū		40.0	ug/L	09/10/03	ma
	Vanadium (V)	100	U		100	ug/L	09/09/03	ma
	Zinc (Zn)	40.0	ט		40.0	ug/L	09/09/03	ma
W846 8270C	Semivolatile Organics							
	n-Nitrosodimethylamine	enviroform	1	1	10.	ug/L		mm
	Phenol	enviroform	-		10.	ug/L		mm
	Bis (2-chloroethyl) ether	enviroform	-	-	10.	ug/L		mm
	1,3-Dichlorobenzene	enviroform	-	1	10.	ug/L		m
	1.4-Dichlorobenzene	enviroform			10.	ug/L		m
	1,2-Dichlorobenzene	enviroform	-		10.	ug/L		m
	Benzyl alcohol	enviroform	-		10.	ug/L		m
	2-Methylphenol (o-cresol)	enviroform	-		10.	ug/L	İ	m
	2,2-oxybis (1-chloropropane)	enviroform			10.	ug/L		m
	n-Nitroso-di-n-propylamine	enviroform		1	10.	ug/L		m
	Hexachloroethane	enviroform			10.	uq/L		m
	4-Methylphenol (m/p-cresol)	enviroform			10.	ug/L		m
	2-Chlorophenol	enviroform			10.	ug/L		m
	Nitrobenzene	enviroform			10.	ug/L		π
	Bis (2-chloroethoxy) methane	enviroform		ļ	10.	ug/L		π
	1,2,4-Trichlorobenzene	enviroform	-		10.	ug/L)	π
	Isophorone	enviroform	1		10.	ug/L	ļ	ļ
	2.4-Dimethylphenol	enviroform	ļ		10.	ug/L	ļ	Ι,
	Hexachlorobutadiene	enviroform			10.	ug/L		π
	Naphthalene	enviroform			10.	ug/L	ļ	π
	2,4-Dichlorophenol	enviroform	-	1	10.	ug/L		m
	4-Chloroaniline	enviroform			10.	ug/L		m
	2,4,6-Trichlorophenol	enviroform			10.	ug/L		m
	2,4,5-Trichlorophenol	enviroform	-		50.	ug/L		Ι"
	Hexachlorocyclopentadiene	enviroform			10.	ug/L		Ι",
	2-Methylnaphthalene	enviroform			10.	ua/L		Ι",
	2-Methylhaphthalene	enviroform			25.	ug/L		ļ,,
		enviroform			10.	ug/L		l"
	2-Chloronaphthalene 4-Chloro-3-methylphenol	enviroform			10.	ug/L ug/L		1,0
	2.6-Dinitrotoluene	enviroform			10.	ug/L		1,
	2-Nitrophenol	enviroform		1	10.	ug/L	I	"
	3-Nitroaniline	enviroform			25	ug/L		ı,
		enviroform			10.	ug/L		1,
	Dimethyl phthalate	enviroform			25	ug/L ug/L	1	1,
	2,4-Dinitrophenol	enviroform			10.	ug/L		ľ
	Acenaphthylene	enviroform	j	İ	10.		İ	- 1 -
	2,4-Dinitrotoluene	enviroform	ĺ		10.	ug/L		T
	Acenaphthene	enviroionm	j		10.	ug/L		n
	Dibenzofuran	enviroform	ĺ		25.	ug/L	ĺ	- 1 -
	4-Nitrophenol	enviroform	j		10.	ug/L	İ	T
	Fluorene		Ì	İ		ug/L	İ	T
	4-Nitroaniline	enviroform	j		25.	ug/L	İ	T
	4-Bromophenyl phenyl ether	enviroform	ĺ	İ	10.	ug/L	i	T
	Hexachlorobenzene	enviroform			10.	ug/L	İ	π
	Diethyl phthalate	enviroform	1		10.	ug/L		π

Job Number: 227722

Date: 10/01/2003

CUSTOMER: STES - Glen Cove

PROJECT: PELHAM BAY 1317

SAMPLE RESULT

ATTN: Joe Covati

REPORTING LIMIT

10.0

10.0

10.0

10.0

10.0

ug/L

ug/L

ug/L

ug/L

ug/L

aml

aml

aml

aml

aml

Q FLAGS

Customer Sample ID: MW 120 Date Sampled....: 08/25/2003 Time Sampled.....: 09:30 Sample Matrix....: Water

PARAMETER/TEST DESCRIPTION

Laboratory Sample ID: 227722-5 Date Received....: 08/26/2003 Time Received.....: 11:45

UNITS

ANALYZED TECH

TEST METHOD mmb 4-Chlorophenyl phenyl ether enviroform 10. uq/L Pentachlorophenol enviroform 25. ug/L mmb n-Nitrosodiphenylamine enviroform 10. ug/L mmb enviroform 25. ug/L mmb 4,6-Dinitro-2-methylphenol enviroform ug/L Phenanthrene 10. mmbenviroform 10. ug/L dmm Anthracene Di-n-butyl phthalate enviroform 10. ug/L mmb 10. ug/L mmb envi roform Fluoranthene ug/L enviroform 10. dmm Pyrene Butyl benzyl phthalate enviroform 10. ug/L mmb Benzo (a) anthracene enviroform 10. ug/L mmb enviroform 10. ug/L mmb Chrysene 3,3-Dichlorobenzidine enviroform 10. ug/L mmbBis (2-ethylhexyl) phthalate enviroform 10. ug/L mmb Di-n-octyl phthalate enviroform 10. ug/L mmb Benzo (b) fluoranthene enviroform 10. uq/L mmb mmb enviroform 10. ug/L Benzo(k)fluoranthene Benzo(a)pyrene enviroform 10. ug/L mmb enviroform Indeno (1, 2, 3-cd) pyrene 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 envi ro 10.0 ug/L aml Chloromethane ug/L Vinyl chloride enviro 10.0 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 enviro 10.0 ug/L aml 1,1-Dichloroethane 10.0 aml Vinyl acetate enviro ug/L 2-Butanone (MEK) enviro 10.0 ug/L aml Chloroform enviro 10.0 ug/L aml 1,1,1-Trichloroethane envi ro 10.0 ug/L aml Carbon tetrachloride enviro 10.0 ug/L aml 1,2-Dichloroethene (total) enviro 10.0 ug/L aml enviro 10.0 ug/L aml Benzene 1,2-Dichloroethane enviro 10.0 aml ug/L enviro Trichloroethene 10.0 ug/L aml 1,2-Dichloropropane enviro 10.0 uq/L aml Bromodichloromethane enviro 10.0 ug/L aml 2-Chloroethylvinylether enviro 10.0 ug/L aml

cis-1,3-Dichloropropene

Toluene

4-Methyl-2-pentanone (MIBK)

trans-1,3-Dichloropropene

1,1,2-Trichloroethane

enviro

enviro

enviro

enviro

enviro

Job Number: 227722

Date: 10/01/2003

CUSTOMER: STES - Glen Cove PROJECT: PELHAM BAY 1317 ATTN: Joe Covati

Customer Sample ID: MW 120
Date Sampled....: 08/25/2003
Time Sampled....: 09:30
Sample Matrix...: Water

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

Job Number: 227722

Date: 10/01/2003

CUSTOMER: STES - Glen Cove

PROJECT: PELHAM BAY 1317

ATTN: Joe Covati

Customer Sample ID: MW 121
Date Sampled....: 08/25/2003
Time Sampled....: 09:30
Sample Matrix...: Water

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECI
EPA 200.7	Acid Digestion (ICP)	Complete				Text	08/28/03	rmc
EPA 270.2	Selenium (Se)	25.0	U	+N	25.0	ug/L	09/08/03	rmc
EPA 245.1	Mercury (Hg)	0.20	U		0.20	ug/L	08/28/03	lms
SM18 4500CNE	Cyanide, Total	0.0160			0.0100	mg/L	09/03/03	ne
SW846 8081A	Organochlorine Pesticide Analysis alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane) Heptachlor Aldrin Heptachlor epoxide Endosulfan I Dieldrin 4,4'-DDE Endrin Endosulfan II 4,4'-DDD Endosulfan sulfate 4,4'-DDT Methoxychlor Toxaphene Endrin aldehyde Technical Chlordane	0.052 0.052 0.052 0.052 0.052 0.052 0.052 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.1	מממממממממממממממ		0.052 0.052 0.052 0.052 0.052 0.052 0.052 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.1	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03	smo smo smo smo smo smo smo smo smo smo
SW846 6010B	Metals Analysis (ICAP) Aluminum (Al) Antimony (Sb) Arsenic (As) Barium (Ba) Beryllium (Be) Cadmium (Cd) Calcium (Ca) Chromium (Cr) Cobalt (Co) Copper (Cu) Iron (Fe) Lead (Pb) Magnesium (Mg) Manganese (Mn) Nickel (Ni) Potassium (Na) Silver (Ag)	3720 60.0 10.0 391 5.0 5.0 43800 83.4 50.0 25.0 5530 43.1 150000 305 191 304000 3120000 10.0	ם מם מם	E	200 60.0 10.0 200 5.0 5.0 5000 10.0 25.0 100 3.0 5000 10.0 40.0 250000 100000 10.0	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	09/09/03 09/09/03 09/09/03 09/09/03 09/09/03 09/09/03 09/09/03 09/09/03 09/09/03 09/09/03 09/09/03 09/09/03 09/09/03 09/09/03	mad mad mad mad mad mad mad mad mad mad

^{*} In Description = Dry Wgt.

Job Number: 227722

Date: 10/01/2003

CUSTOMER: STES - Glen Cove

PROJECT: PELHAM BAY 1317

ATIN: Joe Covati

Customer Sample ID: MW 121
Date Sampled. ...: 08/25/2003
Time Sampled. ...: 09:30
Sample Matrix. ...: Water

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TE
	Thallium (T1)	20.0	U	N	20.0	ug/L	09/10/03	ma
	Vanadium (V)	60.6			50.0	ug/L	09/09/03	ma
	Zinc (Zn)	104		ĺ	20.0	ug/L	09/09/03	ma
√846 8270C	Semivolatile Organics							
	n-Nitrosodimethylamine	enviroform	-		10.	ug/L		m
	Phenol	enviroform	1		10.	uq/L		m
	Bis(2-chloroethyl)ether	enviroform			10.	ug/L		m
	1.3-Dichlorobenzene	enviroform		ļ	10.	ug/L		lm
	1,4-Dichlorobenzene	enviroform	1		10.	uq/L		m
	1.2-Dichlorobenzene	enviroform			10.	ug/L		m
	Benzyl alcohol	enviroform	ļ		10.	ug/L	ļ	m
	2-Methylphenol (o-cresol)	enviroform	ļ	ļ	10.	ug/L	ļ	m
	(2,2-oxybis (1-chloropropane)	enviroform			10.	ug/L		m
	n-Nitroso-di-n-propylamine	enviroform		į	10.	ug/L	1	π
	Hexachloroethane	enviroform	1		10.	ug/L		π
	4-Methylphenol (m/p-cresol)	enviroform			10.	ug/L		π
	2-Chlorophenol	enviroform	1		10.	ug/L		π
	Nitrobenzene	enviroform			10.	ug/L		"
	Bis (2-chloroethoxy) methane	enviroform			10.	ug/L		l'n
	1,2,4-Trichlorobenzene	enviroform	ļ		10.	٠.	1	ľ
		enviroform	1		10.	ug/L	İ	1.
	Isophorone		İ			ug/L	İ	T
	2,4-Dimethylphenol	enviroform	İ		10.	ug/L		T
	Hexachlorobutadiene	enviroform	i		10.	ug/L		Г
	Naphthalene	enviroform	i		10.	ug/L		r
	2,4-Dichlorophenol	enviroform			10.	ug/L		ļπ
	4-Chloroaniline	enviroform	i.	1	10.	ug/L		n
	2,4,6-Trichlorophenol	enviroform			10.	ug/L	1	ī
	2,4,5-Trichlorophenol	enviroform	1	l I	50.	ug/L		Įt
	Hexachlorocyclopentadiene	enviroform	-		10.	ug/L		ļτ
	2-Methylnaphthalene	enviroform	-		10.	ug/L		ļτ
	2-Nitroaniline	enviroform	-	1	25.	ug/L		ļτ
	2-Chloronaphthalene	enviroform	1		10.	ug/L		ļτ
	4-Chloro-3-methylphenol	enviroform		!	10.	uq/L		ī
	2,6-Dinitrotoluene	enviroform	ļ		10.	ug/L		Ι,
	2-Nitrophenol	enviroform	1	ļ	10.	ug/L	1	ı
	3-Nitroaniline	enviroform	!		25	ug/L	!	1
	Dimethyl phthalate	enviroform	ļ	ļ	10.	ug/L	!	Ţ
	2,4-Dinitrophenol	enviroform	1		25	ug/L	ļ	1
	Acenaphthylene	enviroform	1	1	10.	ug/L		1
	2,4-Dinitrotoluene	enviroform			10.	ug/L	!	Ļ
	Acenaphthene	enviroform			10.	ug/L		ľ
	Dibenzofuran	enviroform			10.	ug/L		1,
	4-Nitrophenol	enviroform			25.	ug/L		1
	Fluorene	enviroform			10.	ug/L ug/L		1,
	4-Nitroaniline	enviroform			25.			1.
						ug/L	1	r
	4-Bromophenyl phenyl ether	enviroform	İ		10.	ug/L		Ī
	Hexachlorobenzene	enviroform			10.	ug/L	i	r
	Diethyl phthalate	enviroform			10.	ug/L		ļπ

Job Number: 227722 Date: 10/01/2003

CUSTOMER: STES - Glen Cove PROJECT: PELHAM BAY 1317 ATTN: Joe Covati

Customer Sample ID: MW 121
Date Sampled. 08/25/2003
Time Sampled. 09:30
Sample Matrix. Water

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TEC
	4-Chlorophenyl phenyl ether	enviroform			10.	ug/L		mmb
	Pentachlorophenol	enviroform	1		25.	ug/L		mmb
	n-Nitrosodiphenylamine	enviroform		!	10.	uq/L		mmb
	4,6-Dinitro-2-methylphenol	enviroform		!	25.	ug/L		mmb
	Phenanthrene	enviroform	1	İ	10.	ug/L	[mmb
	Anthracene	enviroform			10.	ug/L	!	mmb
	Di-n-butyl phthalate	enviroform			10.	ug/L		mmb
	Fluoranthene	enviroform			10.	ug/L	1	mmb
		enviroform			10.	ug/L	1	mmb
	Pyrene	enviroform			10.			mmb
	Butyl benzyl phthalate		1			ug/L	1	
	Benzo (a) anthracene	enviroform	i		10.	ug/L	i	mmi
	Chrysene	enviroform	i		10.	ug/L	i	mmb
	3,3-Dichlorobenzidine	enviroform	i	i	10.	ug/L	i	mmk
	Bis(2-ethylhexyl)phthalate	enviroform			10.	ug/L	i	mmb
	Di-n-octyl phthalate	enviroform			10.	ug/L	1	mmit
	Benzo (b) fluoranthene	enviroform		!	10.	ug/L		mmk
	Benzo(k) fluoranthene	enviroform	-		10.	ug/L		mmit
	Benzo (a) pyrene	enviroform	-		10.	uq/L		mmi
	Indeno(1,2,3-cd)pyrene	enviroform			10.	ug/L		mmi
	Dibenzo (a, h) anthracene	enviroform			10.	uq/L	ļ	mmi
	Benzo (ghi) perylene	enviroform			10.	ug/L		mm
1846 8260B	Volatile Organics							
	Chloromethane	enviro	!		10.0	uq/L	1	am
	Vinyl chloride	enviro			10.0	uq/L		ami
	Bromomethane	enviro			10.0	uq/L		am
	Chloroethane	enviro	-		10.0	ug/L		am
	1,1-Dichloroethene	enviro			10.0	ug/L	1	am
	Carbon disulfide	enviro	ì	İ	10.0	uq/L		am
	Acetone	enviro			10.0	ug/L	1	am
			İ	į				1
	Methylene chloride	enviro	İ	İ	10.0	ug/L	i	am
	1,1-Dichloroethane	enviro	i		10.0	ug/L	İ	am
	Vinyl acetate	enviro	i		10.0	ug/L	i	am
	2-Butanone (MEK)	enviro			10.0	ug/L	i	am
	Chloroform	enviro		i	10.0	ug/L	i	am
	1,1,1-Trichloroethane	enviro	i		10.0	ug/L	ł	am
	Carbon tetrachloride	enviro	- 1		10.0	ug/L		am
	1,2-Dichloroethene (total)	enviro		1	10.0	ug/L		am
	Benzene	enviro	-		10.0	ug/L	1	am
	1,2-Dichloroethane	enviro			10.0	ug/L		am
	Trichloroethene	enviro	-		10.0	ug/L	1	am
	1,2-Dichloropropane	enviro			10.0	ug/L		am
	Bromodichloromethane	enviro			10.0	uq/L		am
	2-Chloroethylvinylether	enviro			10.0	uq/L	!	am
	cis-1,3-Dichloropropene	enviro			10.0	ug/L		am
	4-Methyl-2-pentanone (MIBK)	enviro			10.0	ug/L		am
	Toluene	enviro			10.0	ug/L		an
		enviro			10.0		1	am
	trans-1,3-Dichloropropene		ĺ	1		ug/L		
	1.1.2-Trichloroethane	enviro)		10.0	ug/L		am

Job Number: 227722

Date: 10/01/2003

CUSTOMER: STES - Glen Cove

PROJECT: PELHAM BAY 1317

ATTN: Joe Covati

Customer Sample ID: MW 121
Date Sampled....: 08/25/2003
Time Sampled....: 09:30
Sample Matrix...: Water

EST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TEX
	Tetrachloroethene	enviro			10.0	ug/L		aml
	2-Hexanone	enviro			10.0	ug/L		am]
	Dibromochloromethane	enviro		1	10.0	ug/L		aml
	Chlorobenzene	enviro	-		10.0	ug/L		aml
	Ethylbenzene	enviro	-		10.0	ug/L	!	ami
	Styrene	enviro		ļ	10.0	ug/L	1	am
	Bromoform	enviro			10.0	ug/L		am
	1,1,2,2-Tetrachloroethane	enviro			10.0	ug/L		am
	Xylenes (total)	enviro			10.0	ug/L		an
	Ayrenes (total)	enviro			10.0	ug/L		an
	1,3-Dichlorobenzene		İ	İ			İ	
	1,4-Dichlorobenzene	enviro	İ	İ	10.0	ug/L	i	an
	1,2-Dichlorobenzene	enviro		ļ	10.0	ug/L		an
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Job Number: 227722 Date: 10/01/2003

CUSTOMER: STES - Glen Cove PROJECT: PELHAM BAY 1317 ATIN: Joe Covati

Customer Sample ID: MW 122
Date Sampled....: 08/25/2003
Time Sampled....: 09:30
Sample Matrix...: Water

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 200.7	Acid Digestion (ICP)	Complete				Text	08/28/03	rmc
EPA 270.2	Selenium (Se)	25.0	U	SN	25.0	ug/L	09/08/03	rmc
EPA 245.1	Mercury (Hg)	0.20	U		0.20	ug/L	08/28/03	lms
SM18 4500CNE	Cyanide, Total	0.0100	U		0.0100	mg/L	09/03/03	ne
SW846 8081A	Organochlorine Pesticide Analysis alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane) Heptachlor Aldrin Heptachlor epoxide Endosulfan I Dieldrin 4,4'-DDE Endrin Endosulfan II 4,4'-DDD Endosulfan sulfate 4,4'-DDT Methoxychlor Toxaphene Endrin aldehyde Technical Chlordane	0.051 0.051 0.051 0.051 0.051 0.051 0.051 0.10 0.10	444444444444444444444444444444444444444		0.051 0.051 0.051 0.051 0.051 0.051 0.10 0.10	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03	smo smo smo smo smo smo smo smo smo smo
SW846 6010B	Metals Analysis (ICAP) Aluminum (Al) Antimony (Sb) Arsenic (As) Barium (Ba) Beryllium (Be) Cadmium (Cd) Calcium (Ca) Chromium (Cr) Cobalt (Co) Copper (Cu) Iron (Fe) Lead (Pb) Magnesium (Mg) Manganese (Mn) Nickel (Ni) Potassium (Na) Silver (Ag)	200 60.0 14.1 2120 5.0 5.0 75000 50.4 72.1 31.9 17800 5.3 280000 50.0 827 223000 2460000 10.0	U U U	Е	200 60.0 10.0 200 5.0 5.0 500 10.0 25.0 100 3.0 5000 10.0 40.0 200000 100000 10.0	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	09/09/03 09/09/03 09/09/03 09/09/03 09/09/03 09/09/03 09/09/03 09/09/03 09/09/03 09/09/03 09/09/03 09/09/03 09/09/03 09/09/03	mad mad mad mad mad mad mad mad mad mad

Job Number: 227722

Date: 10/01/2003

CUSTOMER: STES - Glen Cove

PROJECT: PELHAM BAY 1317

ATIN: Joe Covati

Customer Sample ID: MW 122
Date Sampled....: 08/25/2003
Time Sampled....: 09:30
Sample Matrix...: Water

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
	Thallium (T1)	20.0	U	N	20.0	ug/L	09/10/03	mad
	Vanadium (V)	50.0	ľŪ		50.0	ug/L	09/09/03	mad
	Zinc (Zn)	73.2	1		20.0	ug/L	09/09/03	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	1		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	1		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	1	mmb
	1,2,4-Trichlorobenzene	enviroform			10.	uq/L		mmb
	Isophorone	enviroform	-		10.	ug/L	!	mmb
	2,4-Dimethylphenol	enviroform			10.	ug/L	!	mmb
	Hexachlorobutadiene	enviroform	1		10.	ug/L	!	mmb
	Naphthalene	enviroform			10.	ug/L	I	mmb
	2,4-Dichlorophenol	enviroform		!	10.	ug/L		mmb
	4-Chloroaniline	enviroform			10.	ug/L	1	mmb
	2,4,6-Trichlorophenol	enviroform			10.	uq/L		mmb
	2,4,5-Trichlorophenol	enviroform			50.	uq/L		mmb
	Hexachlorocyclopentadiene	enviroform			10.	ug/L		mmb
	2-Methylnaphthalene	enviroform		İ	10.	ug/L		mmb
	2-Nitroaniline	enviroform			25.	uq/L		mmb
	2-Chloronaphthalene	enviroform			10.	ug/L		mmb
	4-Chloro-3-methylphenol	enviroform			10.	ug/L	1	mmb
	2,6-Dinitrotoluene	enviroform			10.	ug/L		mmb
	2-Nitrophenol	enviroform			10.	ug/L		mmb
	3-Nitroaniline	enviroform			25	uq/L		mmb
	Dimethyl phthalate	enviroform	1		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	1	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

Job Number: 227722

Date: 10/01/2003

CUSTOMER: STES - Glen Cove

PROJECT: PELHAM BAY 1317

ATTN: Joe Covati

Customer Sample ID: MW 122
Date Sampled....: 08/25/2003
Time Sampled....: 09:30
Sample Matrix...: Water

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	ļ		10.	uq/L		mmb
-	Anthracene	enviroform			10.	ug/L	!	dinm
	Di-n-butyl phthalate	enviroform			10.	ug/L		mmb
	Fluoranthene	enviroform		[10.	ug/L	ļ	mmb
	Pyrene	enviroform			10.	ug/L	ļ	mmb
	Butyl benzyl phthalate	enviroform			10.	ug/L		mmb
	Benzo (a) anthracene	enviroform			10.	ug/L		mmb
		enviroform			10.	ug/L		mmb
İ	Chrysene	enviroform			10.	ug/L ug/L		mmb
	3,3-Dichlorobenzidine	enviroform			10.	ug/L ug/L		mmb
	Bis(2-ethylhexyl)phthalate	enviroform		ĺ	10.	٠,		mmb
İ	Di-n-octyl phthalate		Ĺ	İ		ug/L		
	Benzo (b) fluoranthene	enviroform	Ĺ	İ	10.	ug/L		mmb
	Benzo(k) fluoranthene	enviroform	İ	İ	10.	ug/L	i	mmb
	Benzo (a) pyrene	enviroform	İ	İ	10.	ug/L	İ	mmb
	Indeno(1,2,3-cd)pyrene	enviroform			10.	ug/L		mmb
	Dibenzo (a, h) anthracene	enviroform	i	ĺ	10.	ug/L		mmb
	Benzo(ghi)perylene	enviroform			10.	ug/L		dmm
SW846 8260B	Volatile Organics			 				
	Chloromethane	enviro	1	i	10.0	ug/L	i	aml
	Vinyl chloride	enviro	1	l	10.0	ug/L		aml
	Bromomethane	enviro			10.0	ug/L		aml
	Chloroethane	enviro	1		10.0	ug/L		aml
	1,1-Dichloroethene	enviro			10.0	ug/L		aml
	Carbon disulfide	enviro	ì		10.0	ug/L		aml
	Acetone	enviro	-		10.0	ug/L		aml
	Methylene chloride	enviro	ł		10.0	ug/L		aml
	1,1-Dichloroethane	enviro	1		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	1		10.0	ug/L	1	aml
	1,2-Dichloroethene (total)	enviro	1		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	1	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
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Job Number: 227722 Date: 10/01/2003

PROJECT: PELHAM BAY 1317 ATTN: Joe Covati CUSTOMER: STES - Glen Cove

Customer Sample ID: MW 122
Date Sampled. 08/25/2003
Time Sampled. 09:30
Sample Matrix. . . . Water

ST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	T
	Tetrachloroethene	enviro			10.0	ug/L		ar
	2-Hexanone	enviro			10.0	ug/L		ar
	Dibromochloromethane	enviro	1		10.0	ug/L	!	ar
	Chlorobenzene	enviro			10.0	ug/L	1	laı
	Ethylbenzene	enviro			10.0	ug/L		la
	Styrene	enviro			10.0	ug/L		a
	Bromoform	enviro	!		10.0	ug/L	!	a
	1,1,2,2-Tetrachloroethane	enviro			10.0	ug/L	İ	1
	Xylenes (total)	enviro			10.0	ug/L		1
	1,3-Dichlorobenzene	enviro			10.0	ug/L		[
	1,4-Dichlorobenzene	enviro			10.0	ug/L	1	1
		enviro			10.0	ug/L		1
	1,2-Dichlorobenzene	envito			10.0	ug/L		ľ
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^{*} In Description = Dry Wgt.

Job Number: 227722

Date: 10/01/2003

CUSTOMER: STES - Glen Cove

PROJECT: PELHAM BAY 1317

ATTN: Joe Covati

Customer Sample ID: TRIP BLANK
Date Sampled....: 08/26/2003
Time Sampled....: 00:00
Sample Matrix...:

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TE
W846 8260B	Volatile Organics		7					
	Chloromethane	enviro			10.0	ug/L		am
	Vinyl chloride	enviro	-		10.0	ug/L		ar
	Bromomethane	enviro	-		10.0	ug/L		ar
	Chloroethane	enviro			10.0	ug/L		ar
	1,1-Dichloroethene	enviro	-	1	10.0	ug/L		a
	Carbon disulfide	enviro			10.0	ug/L		la
	Acetone	enviro	1		10.0	ug/L		a
	Methylene chloride	enviro	-	1	10.0	ug/L		a
	1,1-Dichloroethane	enviro			10.0	uq/L	!	a
	Vinvl acetate	enviro	- !		10.0	ug/L		la
	2-Butanone (MEK)	enviro		!	10.0	uq/L		a
	Chloroform	enviro	ļ		10.0	ug/L		a
	1,1,1-Trichloroethane	enviro			10.0	ug/L	!	la
	Carbon tetrachloride	enviro			10.0	ug/L		a
	1,2-Dichloroethene (total)	enviro	ļ	!	10.0	ug/L		la
	Benzene	enviro			10.0	ug/L	ļ	ļa
	1,2-Dichloroethane	enviro			10.0	ug/L		ļa
	Trichloroethene	enviro			10.0	ug/L		a
	1,2-Dichloropropane	enviro	-		10.0	ug/L	1	la
	Bromodichloromethane	enviro			10.0	ug/L	ļ	a
	2-Chloroethylvinylether	enviro	-		10.0	ug/L		a
	cis-1,3-Dichloropropene	enviro			10.0	ug/L		la
	4-Methyl-2-pentanone (MIBK)	enviro			10.0	ug/L		a
	Toluene	enviro			10.0	ug/L		la
	trans-1,3-Dichloropropene	enviro			10.0	ug/L		ľ
	1,1,2-Trichloroethane	enviro			10.0	ug/L		a
	Tetrachloroethene	enviro			10.0	ug/L		la
	2-Hexanone	enviro			10.0	ug/L		la
	Dibromochloromethane	enviro			10.0	ug/L ug/L		la
	Chlorobenzene	enviro			10.0			
	Ethylbenzene	enviro	İ	İ	10.0	ug/L	İ	اَّة
	4	enviro	İ	İ		ug/L	ŀ	1 -
	Styrene Bromoform	enviro	İ		10.0	ug/L	İ	a
	1,1,2,2-Tetrachloroethane	enviro	j	İ	10.0	ug/L	İ	ā
	Xylenes (total)	enviro	İ	İ	10.0	ug/L	İ	ā
	1,3-Dichlorobenzene	enviro			10.0	ug/L ug/L		ā
	1,4-Dichlorobenzene	enviro			10.0			10
	1,4-Dichlorobenzene	enviro	ĺ	İ	10.0	ug/L	İ	اً وَ
	1,2-bichtorocenzene	eliviio			10.0	ug/L		
								1

LABORATORY CHRONICLE

Job Number: 227722 Date: 10/01/2003

USTOMER: STES -	Glen Cove	PROJECT: PELHAN	BAY 131	.7 	A	TIN: Joe Covat	ti	
ab ID: 227722-1	Client ID: MW 104	Date Re	cvd: 08/	26/2003	Sample I	Date: 08/25/2	003	
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE, TIME A	VALYZED	DILUTIO
SW846 5030 (5mL	5030 5 mL Purge Prep	1	51787			09/05/2003	1200	
EPA 200.7	Acid Digestion, Total Recoverable (ICAP)) 1	51185			08/28/2003	1000	
SM18 4500CNE	Cyanide, Total	1	51836			09/03/2003	1200	
SW846 3510C	Extraction Sep. Funnel (Chlor.Pest)	1	51530			08/29/2003	1300	
SW846 3510C	Extraction Sep. Funnel (PCBs)	1	51531			08/29/2003	1300	
SW846 3510C	Extraction Sep. Funnel (SVOC)	1	51406			08/28/2003	1500	
EPA 245.1	Mercury (CVAA)	1	51583			08/28/2003	2100	
SW846 6010B	Metals Analysis (ICAP)	1	52377	51185		09/09/2003	1444	2.000
SW846 6010B	Metals Analysis (ICAP)	1	52377	51185		09/09/2003	1621	50
SW846 6010B	Metals Analysis (ICAP)	ī	52323	51185		09/10/2003	1850	2.000
SW846 8081A	Organochlorine Pesticide Analysis	1	53089	31100		09/11/2003	0000	2.000
	Quality Assurance Services	1	53118			05/11/2005	0000	
QA Services						00/05/2003	0000	
QA Services	Quality Assurance Services	1	51796			09/05/2003	0000	
QA Services	Quality Assurance Services	1	52455			09/16/2003	0000	
QA Services	Quality Assurance Services	1	53088			09/24/2003	0000	_
EPA 270.2	Selenium (GFAA)	1	52081			09/08/2003	1124	5
SW846 8270C	Semivolatile Organics	1	53117					
SW846 8260B	Volatile Organics	1	51798			09/05/2003	0000	
ib ID: 227722-2	Client ID: MW 109	Date Re	cvd: 08/	26/2003	Sample I	Date: 08/25/20	003	
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME A	VALYZED	DILUT:
SW846 5030(5mL	5030 5 mL Purge Prep	1	51787			09/05/2003	1200	
EPA 200.7	Acid Digestion, Total Recoverable (ICAP)) 1	51185			08/28/2003	1000	
SM18 4500CNE	Cvanide, Total	1	51836			09/03/2003	1200	
SW846 3510C	Extraction Sep. Funnel (Chlor.Pest)	1	51530			08/29/2003	1300	
SW846 3510C	Extraction Sep. Funnel (PCBs)	1	51531			08/29/2003	1300	
SW846 3510C	Extraction Sep. Funnel (SVOC)	1	51406			08/28/2003	1500	
EPA 245.1	Mercury (CVAA)	1	51583			08/28/2003	2102	
SW846 6010B	Metals Analysis (ICAP)	1	52377	51185		09/09/2003	1448	
	Metals Analysis (ICAP)	1	52377	51185				2
SW846 6010B		1				09/09/2003	1625	2
SW846 6010B	Metals Analysis (ICAP)		52323	51185		09/10/2003	1854	
SW846 8081A	Organochlorine Pesticide Analysis		53089			09/11/2003	0000	
QA Services	Quality Assurance Services	1	51796					
QA Services	Quality Assurance Services	1	52455					
QA Services	Quality Assurance Services	1	53088					
QA Services	Quality Assurance Services	1	53118					
EPA 270.2	Selenium (GFAA)	1	52081			09/08/2003	1137	
SW846 8270C	Semivolatile Organics	1	53117					
SW846 8260B	Volatile Organics	1	51798					
b ID: 227722-3	Client ID: MW 119	Date Re RUN#	cvd: 08/	26/2003	Sample I	Date: 08/25/20	003	
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME A		DILUT
SW846 5030(5mL	5030 5 ML Purge Prep	1	51/8/			09/05/2003	1200	
EPA 200.7	Acid Digestion, Total Recoverable (ICAP)		51185			08/28/2003	1000	
SM18 4500CNE	Cyanide, Total	1	51836			09/03/2003	1200	
SW846 3510C	Extraction Sep. Funnel (Chlor.Pest)	1	51530			08/29/2003	1300	
SW846 3510C	Extraction Sep. Funnel (PCBs)	1	51531			08/29/2003	1300	
SW846 3510C	Extraction Sep. Funnel (SVOC)	1	51406			08/28/2003	1500	
EPA 245.1	Mercury (CVAA)	ı	51583			08/28/2003	2104	
SW846 6010B	Metals Analysis (ICAP)	ī	52377	51185		09/09/2003	1513	2.000
SW846 6010B	Metals Analysis (ICAP)	1	52377	51185		09/09/2003	1629	50
SW846 6010B	Metals Analysis (ICAP)	1	52323	51185		09/10/2003	1918	2.000
SW846 8081A	Organochlorine Pesticide Analysis	1	53089	31103			0000	2.000
QA Services	Quality Assurance Services	1	51796			09/11/2003	0000	
-	Quality Assurance Services Quality Assurance Services	1	51 /96 52455					
QA Services								

LABORATORY CHRONICLE

Date: 10/01/2003

Job Number: 227722

CUSTOMER: STES - Glen Cove PROJECT: PELHAM BAY 1317 ATIN: Joe Covati Date Recvd: 08/26/2003 Sample Date: 08/25/2003 Lab ID: 227722-3 Client ID: MW 119 RUN# BATCH# PREP BT #(S) DATE/TIME ANALYZED DILUTION METHOD DESCRIPTION Quality Assurance Services 53088 QA Services 1 53118 QA Services Quality Assurance Services 52081 09/08/2003 1221 Selenium (GFAA) EPA 270.2 SW846 8270C Semivolatile Organics 1 53117 51798 SW846 8260B Volatile Organics 1 Date Recvd: 08/26/2003 Sample Date: 08/25/2003 Lab ID: 227722-4 Client ID: MW 120B DESCRIPTION RUN# BATCH# PREP BT #(S) DATE/TIME ANALYZED DILUTION METHOD 09/05/2003 1200 51787 SW846 5030 (5mL 5030 5 mL Purge Prep 51185 08/28/2003 EPA 200.7 Acid Digestion, Total Recoverable (ICAP) SM18 4500CNE Cyanide, Total 51836 09/03/2003 1 SW846 3510C SW846 3510C 08/29/2003 Extraction Sep. Funnel (Chlor.Pest) 51530 1300 1 08/29/2003 Extraction Sep. Funnel (PCBs) 1 51531 1300 08/29/2003 SW846 3510C Extraction Sep. Funnel (SVOC) 1 51406 1500 Mercury (CVAA) 1 51583 08/28/2003 2106 EPA 245.1 Metals Analysis (ICAP) 52377 51185 09/09/2003 SW846 6010B 09/09/2003 SW846 6010B Metals Analysis (ICAP) 52377 51185 1608 50 SW846 6010B Metals Analysis (ICAP) 52323 51185 09/10/2003 1828 2.000 Organochlorine Pesticide Analysis 53089 09/11/2003 0000 SW846 8081A 51796 Quality Assurance Services 1 QA Services 52455 QA Services Quality Assurance Services 53088 QA Services Quality Assurance Services 1 QA Services Quality Assurance Services 1 53118 Selenium (GFAA) 1 52081 09/08/2003 1234 EPA 270.2 SW846 8270C Semivolatile Organics 53117 SW846 8260B Volatile Organics 51798 Date Recvd: 08/26/2003 Sample Date: 08/25/2003 Client ID: MW 120 Lab ID: 227722-5 RUN# BATCH# PREP BT #(S) DATE/TIME ANALYZED METHOD DESCRIPTION DILUTTON SW846 5030 (5mL 5030 5 mL Purge Prep 1 51787 09/05/2003 1200 EPA 200.7 Acid Digestion, Total Recoverable (ICAP) 51185 08/28/2003 1000 SM18 4500CNE Cyanide, Total 51836 09/03/2003 1200 Extraction Sep. Funnel (Chlor.Pest) 51530 08/29/2003 SW846 3510C 1300 08/29/2003 SW846 3510C Extraction Sep. Funnel (PCBs) 51531 1300 SW846 3510C Extraction Sep. Funnel (SVOC) 51406 08/28/2003 1500 EPA 245.1 Mercury (CVAA) 51583 08/28/2003 2112 SW846 6010B Metals Analysis (ICAP) 52377 09/09/2003 51185 2,000 1 1518 09/09/2003 SW846 6010B Metals Analysis (ICAP) 52377 51185 1 1633 50 52377 09/09/2003 SW846 6010B Metals Analysis (ICAP) 1 51185 1710 25 SW846 6010B Metals Analysis (ICAP) 1 52323 51185 09/10/2003 1922 2.000 SW846 8081A Organochlorine Pesticide Analysis 53089 09/11/2003 0000 Quality Assurance Services 51796 QA Services QA Services Quality Assurance Services 52455 QA Services Quality Assurance Services 53088 Quality Assurance Services 53118 OA Services Selenium (GFAA) 09/08/2003 1436 EPA 270.2 1 52081 SW846 8270C 53117 Semivolatile Organics 1 SW846 8260B 51798 Volatile Organics Date Recvd: 08/26/2003 Sample Date: 08/25/2003 Lab ID: 227722-6 Client ID: MW 121 RUN# BATCH# PREP BT #(S) METHOD DESCRIPTION DATE/TIME ANALYZED DILUTION SW846 5030 (5mL 5030 5 mL Purge Prep 1 51787 09/05/2003 1200 EPA 200.7 Acid Digestion, Total Recoverable (ICAP) 1 51185 08/28/2003 1000 SM18 4500CNE Cyanide, Total 51836 09/03/2003 1200 Extraction Sep. Funnel (Chlor.Pest) SW846 3510C 51530 08/29/2003 1300

$\verb|LABORATORY| CHRONICLE \\$

Job Number: 227722 Date: 10/01/2003

202	, Number: 22//22						10/01/2003		
CUSTOMER: STES -	Glen Cove	PROJECT: P	EI.HAM	BAY 131	.7		ATTN: Joe Cova	ati	
Lab ID: 227722-6 METHOD	Client ID: MW 121 DESCRIPTION		RUN#	BATCH#	26/2003 PREP BT		Date: 08/25/2 DATE/TIME A		DILUTIO
SW846 3510C	Extraction Sep. Funnel (PCBs)			51531			08/29/2003	1300	
SW846 3510C	Extraction Sep. Funnel (SVOC)			51406			08/28/2003	1500	
EPA 245.1	Mercury (CVAA)			51583			08/28/2003		
SW846 6010B	Metals Analysis (ICAP)				51185		09/09/2003	1522	
SW846 6010B	Metals Analysis (ICAP)			52377	51185		09/09/2003	1637	20
SW846 6010B	Metals Analysis (ICAP)			52377	51185		09/09/2003	1715	50
SW846 6010B	Metals Analysis (ICAP)			52323	51185		09/10/2003	1927	
SW846 8081A	Organochlorine Pesticide Analysis		1	53089			09/11/2003	0000	
QA Services	Quality Assurance Services		1	51796					
QA Services	Quality Assurance Services		1	52455					
QA Services	Quality Assurance Services		1	53088					
QA Services	Quality Assurance Services		1	53118					
EPA 270.2	Selenium (GFAA)		1	52081			09/08/2003	1450	5
SW846 8270C	Semivolatile Organics		1	53117			,		
SW846 8260B	Volatile Organics		1	51798					
ab ID: 227722-7	Client ID: MW 122	Dai	te Rec	vd: 08/	26/2003	Sample	Date: 08/25/2	2003	
METHOD	DESCRIPTION	1	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME A	NALYZED	DILUTI
SW846 5030 (5mL	5030 5 mL Purge Prep		1	51787			09/05/2003	1200	
EPA 200.7	Acid Digestion, Total Recoverable (ICA)	P)	1	51185			08/28/2003	1000	
SM18 4500CNE	Cyanide, Total		1	51836			09/03/2003	1200	
SW846 3510C	Extraction Sep. Funnel (Chlor.Pest)		1	51530			08/29/2003	1300	
SW846 3510C	Extraction Sep. Funnel (PCBs)		1	51531			08/29/2003	1300	
SW846 3510C	Extraction Sep. Funnel (SVOC)		1	51406			08/28/2003	1500	
EPA 245.1	Mercury (CVAA)			51583			08/28/2003	2116	
SW846 6010B	Metals Analysis (ICAP)			52377	51185		09/09/2003	1526	
SW846 6010B	Metals Analysis (ICAP)			52377	51185		09/09/2003	1642	20
SW846 6010B	Metals Analysis (ICAP)			52377	51185		09/09/2003	1727	40
SW846 6010B	Metals Analysis (ICAP)			52323	51185		09/10/2003	1931	40
SW846 8081A	Organochlorine Pesticide Analysis			53089	31103		09/11/2003	0000	
OA Services	Quality Assurance Services			51796			05/11/2005	0000	
OA Services	Quality Assurance Services			52455					
QA Services	Quality Assurance Services			53088					
QA Services	Quality Assurance Services		_	53118					
EPA 270.2	Selenium (GFAA)			52081			09/08/2003	1504	5
SW846 8270C	Semivolatile Organics		_	53117			09/06/2003	1504	5
SW846 8260B	Volatile Organics			51798					
ab ID: 227722-8	Client ID: TRIP BLANK	Dat	te Rec	vd: 08/	26/2003	Sample	Date: 08/26/2	2003	
METHOD	DESCRIPTION				PREP BT		DATE/TIME A		DILUTIO
	5030 5 mL Purge Prep			51787		,-,	09/05/2003		
							05, 05, 2003	1200	
OA Services	Quality Assurance Services		1	51796					

OUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 10/01/2003

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

- 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

ANALYTICAL REPORT

JOB NUMBER: 227723

Prepared For:

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

Attention: Joe Covati

Date: 10/01/2003

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: 10/01/2003

Job Number.: 227723 Customer...: STES - Glen Cove Attn.....: Joe Covati

Project Number.....: 20000073 Customer Project ID...: PELHAM BAY 1317 Project Description...: Pelham Bay

aboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
227723-1	Gas Condensate	Water	08/26/2003	09:00	08/26/2003	11:45
		1				
		}				

Job Number: 227723

Date: 10/01/2003

CUSTOMER: STES - Glen Cove

PROJECT: PELHAM BAY 1317

ATTN: Joe Covati

Customer Sample ID: Gas Condensate
Date Sampled.....: 08/26/2003
Time Sampled.....: 09:00
Sample Matrix....: Water

								_
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 7740	Selenium (Se), TCLP	10.0	υ	WIN	10.0	ug/L	09/07/03	rmc
SW846 7470A	Mercury (Hg), TCLP	6.3			1.0	ug/L	09/02/03	lms
SW846 1311	TCLP Extraction, TCLP	Complete					08/29/03	mwh
SW846 1311	TCLP Extraction	Complete					08/29/03	mwh
SW846 1311	TCLP Extraction, TCLP	Complete					08/29/03	mwh
SW846 1311	TCLP Zero Head Space (ZHE) Extraction, TCLP	Complete					09/05/03	pcp
SW846 8081A	Organochlorine Pesticide Analysis gamma-BHC (Lindane), TCLP Heptachlor, TCLP Heptachlor epoxide, TCLP Endrin, TCLP Methoxychlor, TCLP Toxaphene, TCLP Technical Chlordane, TCLP	40 2.0 2.0 2.0 2.0 400 40	0 0 0 0		40 2.0 2.0 2.0 2.0 400 40	ug/L ug/L ug/L ug/L ug/L ug/L	09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03	smo smo smo smo smo
SW846 6010B	Metals Analysis (ICAP) Arsenic (As), TCLP Barium (Ba), TCLP Cadmium (Cd), TCLP Chromium (Cr), TCLP Lead (Pb), TCLP Silver (Ag), TCLP	2200 400 20.0 20.0 200 200	U U U		200 400 20.0 20.0 200 200	ug/L ug/L ug/L ug/L ug/L	09/09/03 09/09/03 09/09/03 09/09/03 09/09/03	mad mad mad mad
SW846 8270C	Semivolatile Organics Pyridine, TCLP 1,4-Dichlorobenzene, TCLP 2-Methylphenol (o-cresol), TCLP Hexachloroethane, TCLP 4-Methylphenol (m/p-cresol), TCLP Nitrobenzene, TCLP Hexachlorobutadiene, TCLP 2,4,6-Trichlorophenol, TCLP 2,4,5-Trichlorophenol, TCLP 2,4-Dinitrotoluene, TCLP Hexachlorobenzene, TCLP Pentachlorophenol, TCLP Pentachlorophenol, TCLP	110 100 230 100 3000 100 100 100 520 100 100 260	0 0 0 0 0	U E U U U U U U U U U U	100 100 100 100 100 100 100 520 100 100	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	09/16/03 09/16/03 09/16/03 09/16/03 09/16/03 09/16/03 09/16/03 09/16/03 09/16/03 09/16/03	caw caw caw caw caw caw caw caw caw caw
SW846 8260B	Volatile Organics Vinyl chloride, TCLP 1,1-Dichloroethene, TCLP 2-Butanone (MEK), TCLP Chloroform, TCLP	200 200 140 200	U U U		200 200 200 200 200	ug/L ug/L ug/L ug/L	08/29/03 08/29/03 08/29/03 08/29/03	bcb bcb

Job Number: 227723

Date: 10/01/2003

CUSTOMER: STES - Glen Cove

PROJECT: PELHAM BAY 1317

ATTN: Joe Covati

Customer Sample ID: Gas Condensate
Date Sampled. 08/26/2003
Time Sampled. 09:00
Sample Matrix Water

ST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	T
	Carbon tetrachloride, TCLP	200	U		200	ug/L	08/29/03	p
	Benzene, TCLP	200	U		200	ug/L	08/29/03	l lpa
	1,2-Dichloroethane, TCLP	200	U		200	ug/L	08/29/03	g
	Trichloroethene, TCLP	200	U		200	ug/L	08/29/03	p
	Tetrachloroethene, TCLP	200	บ		200	ug/L	08/29/03	ĺр
	Chlorobenzene, TCLP	26	J		200	ug/L	08/29/03	F
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Job Number: 227723

Date: 10/01/2003

CUSTOMER: STES - Glen Cove

PROJECT: PELHAM BAY 1317

ATTN: Joe Covati

Customer Sample ID: Gas Condensate Date Sampled. 08/26/2003
Time Sampled. 09:00
Sample Matrix Water

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TEC
SW846 8270C	Semivolatile Organics Pyridine, TCLP 1,4-Dichlorobenzene, TCLP 2-Methylphenol (o-cresol), TCLP Hexachloroethane, TCLP 4-Methylphenol (m/p-cresol), TCLP Nitrobenzene, TCLP Hexachlorobutadiene, TCLP 2,4,6-Trichlorophenol, TCLP 2,4,5-Trichlorophenol, TCLP 2,4-Dinitrotoluene, TCLP Hexachlorobenzene, TCLP Pentachlorophenol, TCLP	1000 1000 1000 1000 4700 1000 1000 1000	מממממם ממממ	U U U D	1000 1000 1000 1000 1000 1000 1000 100	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	09/16/03 09/16/03 09/16/03 09/16/03 09/16/03 09/16/03 09/16/03 09/16/03 09/16/03 09/16/03	caw caw caw caw caw caw caw caw

LABORATORY CHRONICLE

Job Number: 227723 Date: 10/01/2003

CUSTOMER: STES -	Glen Cove P	ROJECT:	PELHAM	BAY 131	7 	ATT	N: Joe Covat	:i	_
Lab ID: 227723-1	Client ID: Gas Condensate	1	Date Re	cvd: 08/	26/2003	Sample Da	te: 08/26/20	003	
METHOD	DESCRIPTION		RUN#	BATCH#	PREP BT	#(S)	DATE/TIME AN	IALYZED	DILUTIO
EPA 200.7	Acid Digestion, Total Recoverable (ICAP)		1	51185			08/28/2003	1000	
SW846 8151A	Herbicides		1						
SW846 7470A	Mercury (CVAA) Liquid Waste		1	51677			09/02/2003	2058	
SW846 6010B	Metals Analysis (ICAP)		1	52400	51185		09/09/2003	1530	
SW846 8081A	Organochlorine Pesticide Analysis		1	53089			09/11/2003	0000	
QA Services	Quality Assurance Services		1	53088					
QA Services	Quality Assurance Services		1	52632					
QA Services	Quality Assurance Services		1	51799			09/05/2003	0000	
QA Services	Quality Assurance Services		1	52456			09/16/2003	0000	
SW846 7740	Selenium (GFAA)		1	52224	51185		09/07/2003	1318	
SW846 8270C	Semivolatile Organics		1	52868			09/16/2003	1222	1
SW846 8270C	Semivolatile Organics		1	52868			09/16/2003	1408	1
SW846 8270C	Semivolatile Organics		2	52868			09/16/2003	1222	1
SW846 8270C	Semivolatile Organics		2	52868			09/16/2003	1408	1
SW846 1311	TCLP Extraction		1	51684			08/29/2003	1500	
SW846 1311	TCLP Extraction BN/Acids		1	51532			08/29/2003	1300	
SW846 1311	TCLP Extraction Metals		1	51322			08/27/2003	0900	
SW846 1311	TCLP Extraction Pesticides		1	51533			08/29/2003	1300	
SW846 1311	TCLP Zero Headspace Extraction		1	51786			09/05/2003	1200	
SW846 8260B	Volatile Organics		1	52501			08/29/2003	0000	20

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 10/01/2003

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- N Spiked sample recovery not within control limits.
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PRELIMINARY REPORT

ANALYTICAL REPORT

JOB NUMBER: 227723

Prepared For:

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

Attention: Joe Covati

Date: 10/01/2003

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: 10/01/2003

Job Number.: 227723 Customer...: STES - Glen Cove Attn.....: Joe Covati

Project Number.....: 20000073 Customer Project ID...: PELHAM BAY 1317 Project Description...: Pelham Bay

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
227723-1	Gas Condensate	Water	08/26/2003	09:00	08/26/2003	11:45

Job Number: 227723

Date: 10/01/2003

CUSTOMER: STES - Glen Cove

PROJECT: PELHAM BAY 1317

ATTN: Joe Covati

Customer Sample ID: Gas Condensate
Date Sampled..... 08/26/2003
Time Sampled..... 09:00
Sample Matrix.... Water

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAG S	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 7740	Selenium (Se), TCLP	10.0	U	MN	10.0	ug/L	09/07/03	rmc
SW846 7470A	Mercury (Hg), TCLP	6.3			1.0	ug/L	09/02/03	lms
SW846 1311	TCLP Extraction, TCLP	Complete					08/29/03	mwh
SW846 1311	TCLP Extraction	Complete					08/29/03	mwh
SW846 1311	TCLP Extraction, TCLP	Complete					08/29/03	mwh
SW846 1311	TCLP Zero Head Space (ZHE) Extraction, TCLP	Complete					09/05/03	pcp
SW846 8081A	Organochlorine Pesticide Analysis gamma-BHC (Lindane), TCLP Heptachlor, TCLP Heptachlor epoxide, TCLP Endrin, TCLP Methoxychlor, TCLP Toxaphene, TCLP Technical Chlordane, TCLP	40 2.0 2.0 2.0 400 40 40	ם ם ם ם ם		40 2.0 2.0 2.0 400 40 40	ug/L ug/L ug/L ug/L ug/L ug/L	09/11/03 09/11/03 09/11/03 09/11/03 09/11/03 09/11/03	smo smo smo smo
SW846 6010B	Metals Analysis (ICAP) Arsenic (As), TCLP Barium (Ba), TCLP Cadmium (Cd), TCLP Chromium (Cr), TCLP Lead (Pb), TCLP Silver (Ag), TCLP	2200 400 20.0 20.0 200 200	U U U		200 400 20.0 20.0 20.0 200	ug/L ug/L ug/L ug/L ug/L	09/09/03 09/09/03 09/09/03 09/09/03 09/09/03	mad mad mad mad
SW846 8270C	Semivolatile Organics Pyridine, TCLP 1,4-Dichlorobenzene, TCLP 2-Methylphenol (o-cresol), TCLP Hexachloroethane, TCLP 4-Methylphenol (m/p-cresol), TCLP Nitrobenzene, TCLP Hexachlorobutadiene, TCLP 2,4,6-Trichlorophenol, TCLP 2,4,5-Trichlorophenol, TCLP 2,4-Dinitrotoluene, TCLP Hexachlorobenzene, TCLP Pentachlorophenol, TCLP	110 100 230 100 3000 100 100 100 520 100 100 260	מ מ מ מ מ מ מ	U U E U U U U U U U U U U U U U U U U U	100 100 100 100 100 100 100 100 520 100 100 260	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	09/16/03 09/16/03 09/16/03 09/16/03 09/16/03 09/16/03 09/16/03 09/16/03 09/16/03 09/16/03	caw caw caw caw caw caw caw caw caw caw
SW846 8260B	Volatile Organics Vinyl chloride, TCLP 1,1-Dichloroethene, TCLP 2-Butanone (MEK), TCLP Chloroform, TCLP	200 200 140 200	U J U		200 200 200 200 200	ug/L ug/L ug/L ug/L	08/29/03 08/29/03 08/29/03 08/29/03	bcb bcb

^{*} In Description = Dry Wgt.

Job Number: 227723

Date: 10/01/2003

CUSTOMER: STES - Glen Cove

PROJECT: PELHAM BAY 1317

ATIN: Joe Covati

Customer Sample ID: Gas Condensate
Date Sampled. 08/26/2003
Time Sampled. 09:00
Sample Matrix. . . . Water

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TEC
	Carbon tetrachloride, TCLP Benzene, TCLP 1,2-Dichloroethane, TCLP Trichloroethene, TCLP Tetrachloroethene, TCLP Chlorobenzene, TCLP	200 200 200 200 200 200 26	נחמחח		200 200 200 200 200 200	ug/L ug/L ug/L ug/L ug/L ug/L	08/29/03 08/29/03 08/29/03 08/29/03 08/29/03 08/29/03	bcb bcb bcb
	Chloropenzene, TCLP	26			200	ug/L	08/29/03	pci

Job Number: 227723

Date: 10/01/2003

PROJECT: PELHAM BAY 1317 CUSTOMER: STES - Glen Cove

ATIN: Joe Covati

Customer Sample ID: Gas Condensate
Date Sampled. 08/26/2003
Time Sampled. 09:00
Sample Matrix. . . . Water

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECI
SW846 8270C	Semivolatile Organics Pyridine, TCLP 1,4-Dichlorobenzene, TCLP 2-Methylphenol (o-cresol), TCLP Hexachloroethane, TCLP 4-Methylphenol (m/p-cresol), TCLP Nitrobenzene, TCLP Hexachlorobutadiene, TCLP 2,4,6-Trichlorophenol, TCLP 2,4,5-Trichlorophenol, TCLP 2,4-Dinitrotoluene, TCLP Hexachlorobenzene, TCLP Pentachlorophenol, TCLP	1000 1000 1000 1000 4700 1000 1000 1000	ממממממ ממממ	U U U U U U U U U U U U U U U U U U U	1000 1000 1000 1000 1000 1000 1000 5200 1000 2600	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	09/16/03 09/16/03 09/16/03 09/16/03 09/16/03 09/16/03 09/16/03 09/16/03 09/16/03 09/16/03	Caw Caw Caw Caw Caw Caw Caw Caw Caw

LABORATORY CHRONICLE

Job Number: 227723

Date: 10/01/2003

CUSTOMER: STES -	Glen Cove	PROJECT: P	EIHAM	BAY 131	7	AT	IN: Joe Covat	i	
Lab ID: 227723-1	Client ID: Gas Condensate	Da	te Re	cvd: 08/	26/2003	Sample Da	ate: 08/26/20	003	
METHOD	DESCRIPTION		RUN#	BATCH#	PREP BT	#(S)	DATE/TIME AN	IALYZED	DILUTIO
EPA 200.7	Acid Digestion, Total Recoverable (ICAP)	1	51185			08/28/2003	1000	
SW846 8151A	Herbicides		1						
SW846 7470A	Mercury (CVAA) Liquid Waste		1	51677			09/02/2003	2058	
SW846 6010B	Metals Analysis (ICAP)		1	52400	51185		09/09/2003	1530	
SW846 8081A	Organochlorine Pesticide Analysis		1	53089			09/11/2003	0000	
QA Services	Quality Assurance Services		1	53088					
QA Services	Quality Assurance Services		1	52632					
QA Services	Quality Assurance Services		1	51799			09/05/2003	0000	
QA Services	Quality Assurance Services		1	52456			09/16/2003	0000	
SW846 7740	Selenium (GFAA)		1	52224	51185		09/07/2003	1318	
SW846 8270C	Semivolatile Organics		1	52868			09/16/2003	1222	1
SW846 8270C	Semivolatile Organics		1	52868			09/16/2003	1408	1
SW846 8270C	Semivolatile Organics		2	52868			09/16/2003	1222	1
SW846 8270C	Semivolatile Organics		2	52868			09/16/2003	1408	1
SW846 1311	TCLP Extraction		1	51684			08/29/2003	1500	
SW846 1311	TCLP Extraction BN/Acids		1	51532			08/29/2003	1300	
SW846 1311	TCLP Extraction Metals		1	51322			08/27/2003	0900	
SW846 1311	TCLP Extraction Pesticides		1	51533			08/29/2003	1300	
SW846 1311	TCLP Zero Headspace Extraction		1	51786			09/05/2003	1200	
SW846 8260B	Volatile Organics		1	52501			08/29/2003	0000	20

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 10/01/2003

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

- 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/Arcchlors, 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

Severn Trent Environmental Services



Gas Monitoring

LANDFILL GAS MANAGEMENT SYSTEM PELHAM BAY LANDFILL REFERENCE VOLUME III SECTION S

Brian Docton

Inspector

CO, Oaygen ('10) (In W.C.) CO, Oaygen ('10) (In W.C.) CO, Oaygen ('10) (In W.C.) CO, Oaygen ('10) (In W.C.) CO, Oaygen ('10) (In W.C.) CO, Oaygen ('10) CO, Oayg					-				
Concentration by & Voltante Temp. Mend D.	;					Vac. @ Well			
Methane CO, Orygen ('P) (in W.C) J.I Methane CO, Orygen ('P) (in W.C) J.I Methane CO, Orygen ('P) (in W.C) J.I Methane CO, Orygen ('P) (in W.C) J.I Methane CO, Orygen ('P) (in W.C) J.I Methane CO, Orygen ('P) (in W.C) J.I Methane CO, Orygen ('P) (in W.C) J.I Methane CO, Orygen ('P) (in W.C) J.I Methane CO, Orygen ('P) (in W.C) J.I Methane CO, Orygen ('P) ('P) ('P) ('P) ('P) ('P) ('P) ('P)	Location	Concen	itration by %	Volume	Tempe	Head	04	\ \frac{1}{2}	Remarks
53,4 36,4 0.0 96° -1,4 +1,15 1,14 1,115 1,15 1,115 1		Methane	CO	Oxygen	- E	(Jn W.C.)	<u> </u>	7	
1	lare inlet		/	\	Ì	\	\		Flare valve stock
1	Well Head No. 1	53.4	36.7	00	28,	8.1.	7-1-4	8994	
34.2 34.8 0.3 45.9 -1.4 +1.2 41.3	Well Head No. 2	h189	54.9	0.0	850	111-	+15	1116	
1	Well Hoad No. 3	34.2	24.8	0.3	35.	·	7.1+	7,89	
100 100	Well Head No. 4	64.3	一天	0,1	\$58		1,34	12.86	
100 100	Well Hend No. 5	53.1	44,5	0'0	72	812 -	+ 2.02	2961	
28.1 28.2 - 0.0 8.2 - 0.0 2.8 2.8 2.8 2.8 2.8 2.8 2.8 2.8 2.8 2.8	Well Hend No. 6	40,1	12.1	0.0	,28	8-1-	11,38	101	
28.1 - 20.2 - 2.2 - 2.3 - 2.4 - 2.5 - 2.3 - 2.4 - 2.5 - 2.3 - 2.4 - 2.5 - 2.3 - 2.4 - 2.5 - 2.3 - 2.4 - 2.5 - 2.3 - 2.4 - 2.5 - 2.3 - 2.4 - 2.5 - 2.3 - 2.4 - 2.5 - 2.3 - 2.4 - 2.5 - 2.3 - 2.4 - 2.5 - 2.3 - 2.4 - 2.5 - 2.3 - 2.4 - 2.5 - 2.3 - 2.4 - 2.5 - 2.3 - 2.4 - 2.5 - 2.3 - 2.4 - 2.5 - 2.5 - 2.4 - 2.5 - 2.5 - 2.4 - 2.5	Well Hend No. 7	0'0	1.0	19.5	830	2:0-	21.5	0	Valve Choaded
28.1 29.2 0.0 82° -2.2 -2.3 4.4 8.4 2.5 -2.3 -4.18 1.85 1.85 1.85 1.85 1.85 1.85 1.85 1	Well Head No. 8	5.95	:8a.\	0,0	\$20	t7-	+2+	1130	1
58.1	Well Head No. 9	58.1	21.2	0.0	-28	27-	7-1-	182	
123.1 32.2 0.0 44° -3.3 +2.94 87	Well Hend No. 10	58.2	26.6	0.0	128	745	81.4+	1965	
53.1 + 5.2 - 0.0 +4.0 - 2.2 + 5.12 5.12	Well Hond No. 11	877	- 2H.1	3,4	35.	-3.2	+ 2,94	856	
23.7 + 2.7 - 39.4 0.0 + 38.1 - 5.7 + 3.1 - 3.5 0.9 0.0 + 3.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1	Well Head No. 12	53.1	322	0.0	F40 :	-3.4	+ 255	1062	
13:1 + 13:1 - 0.0	Well Hend No. 13	279	30'n	0'0	186	-5.2	+5,15	10.01	
53.1 + 15.6	Well Hend No. 14	h'8h	13,7	010	110	21.9	4 1.79	966	
53.5 + 43.7 - 34.8 0.0 4.84 - 2.52 - 4.62 53.1 + 0.5 - 34.4 0.0 8.45 - 2.5 + 1.85 52.3 31.4 0.0 4.5 - 2.6 - 2.7 + 1.85 52.3 31.4 0.0 8.2 - 2.6 + 1.53 52.3 31.4 0.0 8.2 - 2.6 + 1.53 52.1 + 0.5 - 3.5 - 2.6 + 1.53 52.1 + 0.5 - 3.5 - 3.5 + 1.53 52.1 + 0.5 - 3.5 - 3.5 + 1.53 52.1 + 0.5 - 3.5 + 1.53 52.1 + 0.5 - 3.5 + 1.53 52.1 + 0.5 - 3.5 + 1.53 52.1 + 0.5 - 3.5 + 1.53 52.1 + 0.5 - 3.5 + 1.53 52.1 + 0.5 - 3.5 + 1.53 52.1 + 0.5 - 3.5 + 1.53 52.1 + 0.5 - 3.5 + 1.53 52.1 + 0.5 - 3.5 + 1.53 52.1 + 0.5 - 3.5 + 1.53 52.1 + 0.5 - 3.5 + 1.53 52.1 + 0.5 - 3.5 + 1.53 52.1 + 0.5 - 3.5 + 1.53 52.1 + 0.5 - 3.5 + 1.53 52.1 + 0.5	Well Head No. 15	53.1	48.6	0'0	830	22-	8417	7090	
53.6 43.4 6.0 84° -2.4 +1.96 54.3 34.4 0.0 72° -2.5 + 1.85 52.3 31.4 0.0 45° -2.7 +1.85 52.3 31.4 0.0 82° -2.0 6.0 6.0 82° -2.0 -2.0 7.5 55.4 40.0 0.0 82° -2.0 7.5 55.4 50.0 8.0 82° -2.0 7.5 55.4 50.0 8.0 82° -2.0 7.5 55.4 50.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0	Well Head No. 16	P116	\$5.3	9.0	s 4.	1	79'0 +	820	
54.5 34.4 0.0 77° -2.2 +1.83 1.5.1 + 0.2 - 38 0.0 4.5 55.3 + 0.0 6.0 4.5 55.3 + 0.0 0.0 4.5 55.3 + 0.0 0.0 4.5 55.3 + 0.0 0.0 4.5 55.3 + 0.5 56.3 + 0.5 57	Well Head No. 17	53.6	43,4	0.0	840	12 -	41,96	1042	
52.3 314 0.0 45° -7.8 12.10 1 55.4 40.0 0.0 82° -7.9 +1.38 1 55.9 31.5 8.0 78° -1.9 +1.58 1	Well Hend No, 18	54.3	34,4	0.0	ott	2.2-	11.83	9801	
1 35.4 40.0 87° -7.0 +1.38 1.1 1.38 1.1 1.38 1.1 1.38 1.1 1.38 1.1 1.38 1.1 1.38 1.1 1.38 1.1 1.38 1.1 1.38 1.1 1.38 1.1 1.38 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.	Well Hend No. 19	52.3	31'H	0.0	42.	87	42.10	1046	
549 39.3 8.0 78° -1.8 +1.11	Well Hend No. 20	P.22,4	0.00	0.0	128	072-		8011	
1 250 + 1 81 - 1 ott 1/2 5/2 t/2h	Well Hend No. 21	57.9	39.3	0.0	188	B'\-	1114	1158	
	Well Hend No. 22	12,7	71,5	3.4	ott	81 -	£5'0+	H98	

A-12

throjects/92c4087to_and_anictgescoll/sancheck.dos

Severn Trent Environmental Services



Appendix B – Inspection Forms for August 2003

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

(Reference Volume III, Figure 2-1)

Item	Item						<u>7</u>	Zone N	lumb	er					
No.	Title	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Surface Cracks	OK	ОК	ОК	ОК	ОК	OK	N/S	OK	OK	OK	ОК	OK	ОК	OK
2	Vegetative Growth	OK	ОК	OK	ОК	ОК	OK	ОК	ОК	ОК	ок	ок	ОК	ОК	OK
3	Vector Penetration	OK	ОК	OK	OK	OK	OK	OK	ОК	OK	ОК	OK	ОК	OK	OK
4	Settlement	OK	ОК	OK	OK	OK	OK	OK	OK	OK	ОК	OK	OK	ОК	OK
5	Erosion	OK	OK	ОК	OK	ОК	OK	N/S	OK	ОК	ОК	ОК	OK	ОК	OK
6	Slope Stability	OK	OK	OK	OK	OK	OK	OK	ОК	OK	OK	ОК	OK	OK	OK
7	Seepage	OK	OK	OK	OK	OK	OK	OK	OK	ОК	ОК	OK	ОК	ОК	ОК
8	Vandalism	OK	OK	ОК	OK	OK	OK	OK	OK	OK	ОК	ОК	ОК	ОК	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.
- For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary

Date: 8-26-03 Initials: JMC Jr. /KB

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

FORM NO.	LOCATION	DESCRIPTION OF PROBLEM	CORRECTIVE ACTION
	7	Rill by pond c inlet	Need to fill and re-
			seed
_			

DATE: 8-26-03 INSPECTED BY: JMC JR. /KB

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

DATE: 8-13-03

INITIALS: JMC

Item	Inspection				Man	hole and	Manhole and Sump Number	umber			
No.	Item	D-1	D-2	D-3	D-4	D-5	9-Q	D-7	D-8	D-9	D-10
_	Manhole Cover	OK	OK	N/S	S/N	N/S	S/N	OK	OK	OK	OK
2	Silt Accumulation	Slight	OK	OK	Slight	S/N	OK	OK	Slight	OK	OK
3	Settlement	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
4	Pipe Connections	OK	OK	OK	OK	S/N	OK	OK	OK	OK	OK
5	Settlement Along										
	Curtain Drain	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
9	Flow into manhole			_							
	or sump	High	Low	High	Low	Dry	Empty	High	High	Dry	Low

1 Manhole Cover 2 Silt Accumulation 3 Settlement 4 Pipe Connections 5 Settlement Along	OK OK OK OK	LS-2 OK Heavy	1			•	•				
1 Manhole Cover 2 Silt Accumulatic 3 Settlement 4 Pipe Connection 5 Settlement Alon	OK OK OK OK	OK Heavy	DS-1	DS-2	TS-1	U-1	U-2	U-3	U-4	U-5	9-N
2 Silt Accumulation 3 Settlement 4 Pipe Connection 5 Settlement Alon		Heavy	S/N	OK	S/N	OK	OK	OK	OK	OK	
3 Settlement 4 Pipe Connection 5 Settlement Alon	OK	700	Mod.	Slight	OK	OK	OK	Slight	OK		
4 Pipe Connection 5 Settlement Alon		5	OK	OK	OK	OK	OK	OK	Slight	OK	
Settlement Alon	ns OK	OK_	OK	OK	S/N	OK	OK	OK	OK		
	gı										
Curtain Drain	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	
6 Flow into manhole	ole										
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 but D-7 has a high flow	
	LS-1	slight silt accumulation	
	U-4	slight silt accumulation	
	TS-1	Temporary sump pump in sump	
		Connected to the discharge line to	
		the Containment sump. Leak in	
		area due to break in charged City	
		water line to abandoned boot wash	
	DS-1	Hatch cover broken	
	U-4	Manhole full due to high tide	
_			

DATE: 8-13-03 INSPECTED BY: JMC Jr.

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					_	Z	Zone N	lumbo	er					
	Title	1	2	3	4	5	6	7	8	9	10	11	12	13	14
No.	Drainage Ditch Road A	a 1		700		1.4		护		. 7	44.12.2		RdW.		7
1	Overgrown Vegetation	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	100	
2	Standing Water	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		- Page 1
3	Sediments and Debris	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	**	and the second
4	Erosion/Washouts	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		Av.
5	Sinkholes	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		7800
6	Culvert Road A to Road B			ii.	* V.Y.J.	78		S. Visit	OK	h.			100		
7	Flap gate at 6" pipe Outlet	he i		-vet	lis:		Tall.		OK	1.0		A.			
	Drainage Ditch, Road B			5.0						dis.					100
1	Overgrown Vegetation	NS	NS	NS	NS	NS	NS	OK	OK	NS	NS	NS	NS	ng (Pr	
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	MALL	
4	Erosion/Washouts	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	- 12	Part I
5	Sinkholes	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	222	100
6	Culvert Road B to Road C	Just'i	e. er		ha.e.		11		OK	*	101		JAN.	100	-94
	Drainage Ditch, Road B ²	arr 2 Daniel	pil ta	. 2.918°	i ky							il i			W.
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		11	A Special Control						a literatura	1140	100			
	Drainage Ditch, Road C	. 23.	10	1 300					, wall		1.	Carlo		1,2004.0	SHOPE .
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: 8-14-03 Initials: JMC Jr.

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	
1000	9-12	With the exception of zones 7 and part	
	7.12	Of 8 which were cleared by STES	
road B2	1-14	Over grown vegetation in all swales	

DATE: 8/14/03 INSPECTED BY: JMC, Jr.

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

	Stormy	vater (Collecti	on Ma	nholes	(SP Se	ries)					
Item	Item					Manl	hole Nu	ımber				
No.	Title	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 Manho	les (CF	Series	s)		
Item	Item		Man	hole N	umber	
No.	Title	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	Item	N	Aanhol	e Numb	er
No.	Title	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.
- For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary

Date: 8-13-03 Initials: JMC JR.

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: 8/13/03 INSPECTED BY: JMC, Jr.

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
$\overline{2}$	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: 8-15-03 Initials: JMC JR.

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	
	Dou d D		
	Pond B	City and district	
	outlet	Silt and debris	
	pond	Silt and debris accummulation	
	D 10	C'1. 1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	
	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: 8/15/03 INITIALS: JMC, Jr.

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 R	oadway		
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	ОК	
5	Reflectors	N/S	
Road B	32		
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	
4	Pavement Condition	NS	
5	Reflectors	N/S	
Perimet	ter Fence, Gates, Locks	N/S	
	Condition	OK	

Notes

- Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems were noted.
- 2. Use "NS" (Not Satisfactory) where problems are noted.
- 3. For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary

Date: 8/1/03 Initials: JMC Jr.

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	
	D2 0 C	1 4 1 45	
	B2 & C	washout and rutting at	
		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	D-10, MW-118, MW-106, MW-119,	
	hole	MW-120, 2 holes between MW-120 &	
	locations	MW-104, MW-104, SW-1, a car in	
		MW-104	

DATE: 8/1/03 INSPECTED BY: JMC JR.

WEEKLY(TWICE WEEKLY) INSPECTION CHECKLIST LANDFILL GAS MANAGEMENT SYSTEM

PELHAMBAY LANDFILL (REFERENCE VOLUME III, SECTION 5)

(NEI ENEM	CE VOLONE III,		_	
Date	8/5/2			8/2003
Time	7:0	00		7:00
Technician	n KM	1 B		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. Disconnect Blower 1 and 2 Switch				
B. Flow Meter-CFM, Min & Max	_	0/0		
C. Hour Meter Blower 1 (Zero=)		O/S		O/S
Blower 2 (Zero=)		12453.9		12453.9
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
	Off			
J. Purge Complete, Amber Indicating Light	<u> </u>	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 On
N. Waste Inlet Valve	C		C	O Auto
O. Waste Gas On, Green Indicator Light	Off	On On	Off	On
P. Flare Reset	<u> </u>			
Q. Waste Gas Blower Failure, Red Indicator Light	Off	On	Off	On On
R. High Flare Temperature, Red Indicator Light	Off	On	Off	<u>On</u>
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		ОК	
B. Propane Tank Pressure/Level-PSIG	22	130	22	130
C. Inlet Valve Position	25	% Open	25	% Open
D. LFG Flowrate-CFM				
E. Gauges Operational?	Yes	No	Yes	No
F. Nitrogen Pressure-PSIG	100	2100	100	2100
6. SITE CONDITION		2.100	130	
Vandalism, Cleanliness	Good	Bad	Good	Bad
Reviewed B	G000	Dau	300a	Bau
II POVIDUAL R				
Date	'———			8/2003

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

8/8/03 Flare is down, waiting for AXD to come up and check the blower control unit

WEEKLY(TWICE WEEKLY) INSPECTION CHECKLIST LANDFILL GAS MANAGEMENT SYSTEM

PELHAMBAY LANDFILL (REFERENCE VOLUME III, SECTION 5)

	`		111, SECTION 5)		5/2003
	Date Time		7:00		7:00
	Technician		KMB		KMB
1.OPERATING BLOWER 1 OR 2	recimician	1	2	1	2
A. Noise or Vibration	ŀ	Ok	N/A	Ok	N/A
B. Measureable or Oderiferous G	as Leaks	No	Yes	No	Yes
C. Upstream Vacuum-Inches WC		0		0	
D. Downstream Pressure -Inches					
E. Inlet Temperature-Degree F					
F. Discharge Temperature-Degre	e F				
2. BLOWER CONTROL PANEL	İ				
A. Disconnnect Blower 1 and 2 S	witch				
B. Flow Meter-CFM, Min & Max					
C. Hour Meter Blower 1 (Zero	=)		O/S		O/S
Blower 2 (Zero	=) [12453.9		12453.9
D. Blower 1 or Blower 2 Running	Light	1	2	1	2
E. The Blower Hand-Off_Auto Sw		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 On
G. Purge Start					
H. Low Purge Air Flow, Red India	ator Light	Off	On	Off	On On
I. Purging, Blue Indicator Light		Off	On	Off	On
J. Purge Complete, Amber Indica	iting Light	Off	On On	Off	On
K. Ignition Start	1 : h. 4	0#	0-	0#	
L. Pilot Gas On, Green Indicator		Off	On	Off Off	On On
M. Flame Proved, Green Indicato N. Waste Inlet Valve	or Light	C	On Auto	C	On On On
O. Waste Gas On, Green Indicat	or Light	Off	On	Off	On
P. Flare Reset	or Light	<u> </u>	011		
Q. Waste Gas Blower Failure, Re	ed Indicator Light	Off	On	Off	On
R. High Flare Temperature, Red	-	Off	On	Off	On
S. Flare Failure, Red Indicator Lig	•	Off	On	Off	On
4. FLARE	j	<u> </u>	011	<u> </u>	
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	22	130	22	130
C. Inlet Valve Position		25	% Open	25	% Open
D. LFG Flowrate-CFM					
E. Gauges Operational?		Yes	No	Yes	No
F. Nitrogen Pressure-PSIG		100	2100	100	2100
6. SITE CONDITION					
Vandalism, Cleanliness		Good	Bad	Good	Bad
	Reviewed By				
	Date	8/	11/2003	8/	15/2003

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

8/8/03 Flare is down, waiting for AXD to come up and check the blower control unit

WEEKLY(TWICE WEEKLY) INSPECTION CHECKLIST LANDFILL GAS MANAGEMENT SYSTEM

PELHAMBAY LANDFILL (REFERENCE VOLUME III, SECTION 5)

	(REFERENC	E VOLUME	III, SECTION 5)					
	Date	8/	18/2003	8/2	22/2003			
	Time		7:00	7:00				
	Technician		KMB		KMB			
1.OPERATING BLOWER 1 O	R 2	1	2	1	2			
A. Noise or Vibration		Ok	N/A	Ok	N/A			
B. Measureable or Oderiferou	is Gas Leaks	No	Yes	No	Yes			
C. Upstream Vacuum-Inches		0	100	0	103			
D. Downstream Pressure -Inc								
E. Inlet Temperature-Degree					-			
F. Discharge Temperature-De								
2. BLOWER CONTROL PAN	-							
A. Disconnect Blower 1 and								
B. Flow Meter-CFM, Min & Ma								
C. Hour Meter Blower 1 (Z			O/S		O/S			
	'		12455.6					
Blower 2 (Z D. Blower 1 or Blower 2 Runn		1	2	1	12460.1 2			
II .		Off	·	Off				
E. The Blower Hand-Off_Auto			Auto		Auto			
F. Blower 1 or 2 Current Alarm	n	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 Ir	•	Off	On	Off	On			
I. Purging, Blue Indicator Ligh	it	Off	On	Off	On			
J. Purge Complete, Amber Inc	dicating Light	Off	On	Off	On			
K. Ignition Start								
L. Pilot Gas On, Green Indica	tor Light	Off	On	Off	On			
M. Flame Proved, Green Indic	cator Light	Off	On	Off	On			
N. Waste Inlet Valve		С	O Auto	C	O Auto			
O. Waste Gas On, Green Indi	icator Light	Off	On	Off	On			
P. Flare Reset				_				
Q. Waste Gas Blower Failure,	, Red Indicator Light	Off	On	Off	On			
R. High Flare Temperature, R	ted Indicator Light	Off	On	Off	On			
S. Flare Failure, Red Indicator	r 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/Le	vel-PSIG	22	110	20	160			
C. Inlet Valve Position		25	% Open	25	% Open			
D. LFG Flowrate-CFM			,					
E. Gauges Operational?		Yes	No	Yeş	No			
F. Nitrogen Pressure-PSIG		100	1700	100	1800			
6. SITE CONDITION								
Vandalism, Cleanliness		Good	Bad	Good	Bad			
,	Reviewed By							
	Date	8/	18/2003	9.1	22/2003			
L	Date	U 0/		0//				

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

FORM LFG-1 WEEKLY(TWICE WEEKLY) INSPECTION CHECKLIST LANDFILL GAS MANAGEMENT SYSTEM PELHAMBAY LANDFILL PERFORM OF THE PROPERTY

	(REFERENC	E VOLUME	III, SECTION 5)					
	Date	8/2	25/2003	8/29/2003				
	Time		7:00		7:00			
	Technician		KMB					
1.0PERATING BLOWER 1 0	R 2	1	2	1		2		
A. Noise or Vibration		Ok	N/A	Ok		N/A		
B. Measureable or Oderiferou	ıs Gas Leaks	No	Yes	No		Yes		
C. Upstream Vacuum-Inches		0		0				
D. Downstream Pressure -Inc		-						
E. Inlet Temperature-Degree								
F. Discharge Temperature-De								
2. BLOWER CONTROL PAN	•		_					
A. Disconnect Blower 1 and								
B. Flow Meter-CFM, Min & Ma								
C. Hour Meter Blower 1 (Z			O/S			O/S		
Blower 2 (Z	,		12460.1	_		12468.5		
D. Blower 1 or Blower 2 Runn	,	1	2	1		2		
E. The Blower Hand-Off_Auto		Off	Auto	Off		Auto		
F. Blower 1 or 2 Current Alarr		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		<u> </u>				
D. Local Unit Control Switch		Start/Run	Stop	Start/Run		Stop		
E. Unit Stop		Otarortan	отор	Ottorertain		Otop		
F. Security Light		Off	On	Off		On		
G. Purge Start		<u> </u>	011					
H. Low Purge Air Flow, Red In	ndicator Light	Off	On	Off		On		
I. Purging, Blue Indicator Light	*	Off	On	Off		On		
J. Purge Complete, Amber Inc		Off	On	Off		On		
K. Ignition Start	alouting Light	<u> </u>	0.1					
L. Pilot Gas On, Green Indica	tor Light	Off	On	Off		On		
M. Flame Proved, Green India		Off	On	Off		On		
N. Waste Inlet Valve		C	O Auto	C	0	Auto		
O. Waste Gas On, Green Ind	icator Light	Off	On	Off		On		
P. Flare Reset								
Q. Waste Gas Blower Failure	Red Indicator Light	Off	On	Off		On		
R. High Flare Temperature, R		Off	On	Off		On		
S. Flare Failure, Red Indicato	•	Off	On	Off		On		
4. FLARE	· Ligit	<u> </u>	011					
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				. 30				
5. PIPING								
A. General Condition		OK		OK				
B. Propane Tank Pressure/Le	evel-PSIG	22	115	20		120		
C. Inlet Valve Position		25	% Open	25	_	% Open		
D. LFG Flowrate-CFM								
E. Gauges Operational?		Yes	No	Yes		No		
F. Nitrogen Pressure-PSIG		100	1800	100		1800		
6. SITE CONDITION								
Vandalism, Cleanliness		Good	Bad	Good		Bad		
	Reviewed By							
	· 'I	Date 8/25/2003 8/29/2003						
	Date				_5,2000			

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

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

Date:		8/3/2	003													init	ais		K	NB_				
Downgradient Collection Surross				D	-1				ı			D-	8				I			D-	10			
Collection Sumps		Pum	n 1		F	ump	2																	
A. Circuit Breakers	Х	On	γ.	Off		On		Off	X	On		Ōff	Х	On		Off	X	On		Off	Χ	On		Off
D. Dunning Light On		Vaal	~	No		IV.	Х	No		Vaal	~	No.		Ivaal	X	Nia		Tv.		l NIa I		V1	v	Al-
B. Running Light On		Yes	^_	No		Yes		No		Yes		No		Yes		No		Yes	X	No		Yes	Χ	No
C. Selector Switch Position Han-Off	Н	0]	Α			Н	0	Α	Н	0	Α			Н	0	Α	Н	0	Α			Н	0	Α
Automatic (HOA)																								
D. Liquid Level in Sump pump	Н	L	0						Н	L	0						Н	L	0]				
E. Leak in Manifold Piping		Yes	Х	No						Yes	X	No						Yes	X	No				
	Pum	ps		ETM					Pum	ps		ETM					Pum	ps		ETM				
	P-1 P-2			1264 1671					P-1 P-2			1638 1437					P-1 P-2			1720 1841				
P-2 16710.2 P-2 14375.1 P-2 18415.8 2. Downgradient and Curtain Drain																								
A. Is there settlement along alignment of downgradient																								
3. D-1 Forcemain Flor	w Tota	alizer			580	,320	x	100	=	58,	,032,	000												
\$. D-1 Forcemain Pressure																								

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

3.	LIFT STATION NO. 1		
В.	Flow from Curtain Drain Are Sump Pumps Operating Alarm indicator Lights	Normal Yes Yes	X High X No X No
	Pumps ETM High Temp P-1 2702.5	Seal Fail	Fault
	Check liquid level in sump Low Check for leak in manifold leachate piping	X High Yes	Other No
4.	LIFT STATION NO. 2		
В.	Settlement along buried section of forcemain Are sump pumps operating Are the alarms or indicator lights on	High High Yes	X No X No No
	Pumps ETM High Temp P-1 806.3 P-2 1230.4	Seal Fail	Fault
D.	Check liquid level around stop planks Is the level,	X High	Other
	Any leaks in the manifold discharge piping Check surface water in the Bay and Rip-Rap	Yes	XNo
	Are there any signs of leachate Check if a pump is out of service	Yes Pump 1	X No Pump 2
5.	DECONTAMINATION TRAILER		
	Is the trailer clean/sanitary Is sump pump operating Yes Yes	 1*	

LS-1 Pumps do not work in Auto mode, pumping manually into tank farm High level alarm for D-1 Sump

LS-2 Pumps do not work in Auto mode, pumping manually into tank farm
Decontaimination pump requires total overhaul, temporary sump pump place in sump

6.	DECONTAMINATION PAD/TRUCK FILL AREA	A AND SUMP								
B.	Flow through sump weep holes Are Sump Pumps Operating Alarm indicator Lights	Normal High Yes X Yes X No								
	Pumps ETM High Temp P-1 21032.1	Seal Fail Fault								
E.	Check Decon-Area for leachate flow out of gra Check for leak in manifold discharge piping Check if pump is out of service	vel perimeter Yes P-1 No P-2								
F.	Truck Fill Totalizer 853743									
7.	LEACHATE STORAGE CONTAINMENT AREA	A AND SUMP								
В.	Flow through sump weep holes Are sump pumps operating Alarm indicator Lights	X Normal High Yes X No Yes X No								
	Pumps ETM High Temp P-1 1970.2 P-2 3353.1	Seal Fail Fault								
D.	Check liquid level in sump	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									
	Air Compressors on Activated carbon canisters operating (On Line)	Yes X No								
	Blower 1 30806.5 Blower 2									
9.	CONTRACT HP-877 FORCE MAIN DISCHAR	GE TO POTW								
	A. Leakage from pipwork in valve box beside Lift Station No. 1 B. Settlement along alignment of forcemain to Burr Avenue manhole X Yes X No.									
St	There is groundwater inflow into all valve boxes on the site. Storage tank No. 2 has slight leak at site gauge connection PD blower motors for carbon had bad bearing and was taken O/S for repair									

10. MOTOR CONTROL CENTER (MCC)

Α.	Are all	breakers, for the following equipment, i Lift Station No. 1 Lift Station No. 2 Decontamination Sump Storage Containment Sump Site Lighting	x Yes X Yes X Yes X Yes X Yes X Yes X Yes X Yes	n: No No No No No No No
11.	SECL	IRITY TRAILER AND FENCING		_
Α.	Sign-In	n-Review Visitors log and Check-In with	Gaurds	X Yes
		cleanliness of trailer or clean	XYes	No
		Collection System Alarm Panel e Tank Levels: N/A	1/4	1/2 3/4Full
,	Alarm I	ndicators: Lift Stations Sumps Storage Tanks	Yes N	0
		security fencing surrounding the equipmendition	nent in Yes	X No
Not	es:	For noted deficiencies and problems padditional sheets if necessary.	provide description	on on form DP-1. Attached
		Due to rain, gravity flow into D-1 is his overflow if D-1 RGM is hauling leachate this week. Tank site gauges are working on tank Trailer alarm panel level indicators are MCC Gate has a hole in the bottom	s 1 and 4 read 1/	

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

Date:	8/	8/200)3_													Initi	als		KI	ИВ				
Downgradient Collection Sumps				D	-1							D-	8							D-	10			ı
		ump	1		<u>F</u>	ump	2																	
 A. Circuit Breakers 	X C	<u>n </u>	┙	Off	Х	On		Off	X	On		Off	<u>X</u>	On		Off	Х	On		Off	_X	On		Off
				–		157	_	1	_	<u> </u>								1						
B. Running Light On	I Y	es 🕽	(No	X	Yes		No	├-	Yes	X_	No		Yes	X	No		Yes	Х	No		Yes	X	No
	H			_		1			L.		_												_	
C. Selector Switch Position Han-Off	HLC) [١.			Н	0	Α	Н	0	_A			_H [0	Α	Н	0	Α_			Н	0	_ A _
Automatic (HOA)																								
D. Liquid Level in	ΗЦ	. [)						Н	L	0]					Н	L	0]				- 1
Sump pump																								
E. Leak in Manifold Piping	Ye	es)	(No						Yes	Χ	No						Yes	X	No				
	Pumps		- 1	ETM					'Pum	ıps		ETM				1	Pum	ps		ETM]
	P-1			1264	4.6				P-1			1638	4.8				P-1			1730	7.4			
	P-2			1673	1.2				P-2			1437	5.1				P-2			1871	9.6			ľ

2. Downgradient and Curtain Drain

A.	Is there settlement along alignment of downgradient
	curtain drain

Yes X No

3. D-1 Forcemain Flow Totalizer

 $580,369 \times 100 =$

\$. D-1 Forcemain Pressure

10.00

58,036,900

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

3.	LIFT STATION	NO. 1			
B.	Flow from Curt Are Sump Pum Alarm indicator	ps Operating	Low	Normal Yes Yes	X High X No X No
	Pumps P-1 P-2	ETM 2702.5 2803.6	High Temp	Seal Fail	Fault
	Check liquid le Check for leak		Low hate piping	X High Yes	Other No
4.	LIFT STATION	NO. 2			
В.	Settlement alor Are sump pum Are the alarms	ps operating		High High Yes	X No X No No
	Pumps P-1 P-2	ETM 806.8 1230.9	High Temp	Seal Fail	Fault
D.	Check liquid le	vel around stop	planks Low	X High	Other
F.	Any leaks in the Check surface Are there any s Check if a pur	water in the Bayigns of leachate	and Rip-Rap	Yes Yes Pump 1	X No Pump 2
5.	DECONTAMIN	ATION TRAILE	R		
	Is the trailer cle Is sump pump	•	Yes Yes	X No X No	
	High le 6-2 Pumps	evel alarm for E s do not work i)-1 Sump n Auto mode, p	umping manual	ly into tank farm ly into tank farm np pump place in sump
LS	i-1 Is be	eing switched ov	ver to automatic	, so it is out of se	rvice right now

6.	S. DECONTAMINATION PAD/TRUCK FILL AREA AND SUMP										
B.	Flow through sump weep holes Are Sump Pumps Operating Alarm indicator Lights	Low	X Normal Yes Yes	High No No							
	Pumps ETM P-1 21032.1 P-2 22061.2	High Temp	Seal Fail	Fault							
E.	Check Decon-Area for leachate flow out of gravel perimeter Check for leak in manifold discharge piping Check if pump is out of service Yes P-1 No P-2										
F.	Truck Fill Totalizer 853743										
7.	LEACHATE STORAGE CONTA	INMENT AREA	AND SUMP								
B.	Flow through sump weep holes Are sump pumps operating Alarm indicator Lights	Low	X Normal Yes Yes	High X No No							
	Pumps ETM P-1 1970.2 P-2 3353.1	High Temp	Seal Fail	Fault							
D.	Check liquid level in sump	Low	High	X Other							
E.	Is there any leak in the storage t manifold discharge piping	anks and	X Yes	No							
G.	Check if a pump is out of service	е	X Pump 1	Pump 2							
8.	CARBON ADSROPTION SYSTE	EM									
	Air Compressors on Activated carbon canisters opera (On Line) ETM	ating	Yes Yes	X No							
	Blower 1 30806.5 Blower 2										
9.	CONTRACT HP-877 FORCE MA	AIN DISCHAR	GE TO POTW								
A. Leakage from pipwork in valve box beside Lift Station No. 1 B. Settlement along alignment of forcemain to Burr Avenue manhole X Yes X No.											
Sto	There is groundwater inflow into all valve boxes on the site. Storage tank No. 2 has slight leak at site gauge connection PD blower motors for carbon had had bearing and was taken Q/S for repair.										

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 Yes No Νo **Decontamination Sump** Yes No Storage Containment Sump Yes Site Lighting 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 Full Storage Tank Levels: N/A 1/2 3/4 Alarm Indicators: Lift Stations Sumps Storage Tanks D. Is the security fencing surrounding the equipment in X No good condition Yes Notes: For noted deficiencies and problems provide description on form DP-1. Attached additional sheets if necessary. Due to rain, gravity flow into D-1 is high, Tank discharge valve is closed to prevent overflow if D-1

RGM is hauling leachate this week.

MCC Gate has a hole in the bottom

Tank site gauges are working on tanks 1 and 4 read 1/2 full.

Trailer alarm panel level indicators are not working.

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

(REFERENCE VOLUME III SECTION 4)

Date:	8/11/2003	3							In	itials		KMB	_		
Downgradient Collection Sumps	I	D-1		ı			D-8			I		D-10			ı
·	Pump 1		mp 2												
A. Circuit Breakers	X On	Off X	On (Off)	On		Off X	On	0	f X	On	Off X	On		Off
B. Running Light On	Yes X	No X Y	es I	No	Yes	X	No	Yes	X N)	Yes	X No	Yes	Х	No
C. Selector Switch Position Han-Off Automatic (HOA)	H 0 A		НО	A I	0	Α	T	Н	0 A	Н	0	A	Н	0	A
D. Liquid Level in Sump pump	H L O]		F	l L	0				Н	L	Ō			
E. Leak in Manifold Piping	Yes X			Ė	Yes		No					X No			
	Pumps P-1	ETM 12644.6		Pı P-	ımps		ETM 16384.8	•		Pun P-1	nps	ETM 17307.			
	P-2	16731.2		P-			14375.1			P-2		18719.			
Downgradient and Curtain Drain															
A. Is there settlement along alignment of downgradient															
3. D-1 Forcemain Flo	3. D-1 Forcemain Flow Totalizer 580,403 x 100 = 58,040,300														
\$. D-1 Forcemain Pres	\$. D-1 Forcemain Pressure 10.00														

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

3.	LIFT STA	ATION NO	. 1							
В.	Are Sum	n Curtain [p Pumps (dicator Ligl	Operating	Low	Normal Yes Yes	X High X No X No				
	F	-	ETM 2702.5 2803.6	High Temp	Seal Fail	Fault				
		quid level ir r leak in m	n sump ianifold leach	Low nate piping	X High Yes	Other No				
4.	LIFT STA	ATION NO	. 2							
B.	Are sump	pumps o		of forcemain s on	High High Yes	X No X No No				
	F	oumps o-1 o-2	ETM 806.8 1230.9	High Temp	Seal Fail	Fault				
D.	Check liq		around stop p	olanks Low	X High	Other				
F.	Check su Are there	ırface wate any signs	anifold discha er in the Bay of leachate out of servic	and Rip-Rap	Yes Pump 1	X No Pump 2				
5.	DECONT	AMINATIO	ON TRAILER	₹						
		iler clean/s pump oper	-	Yes Yes	X No X No					
LS	LS-1 Pumps do not work in Auto mode, pumping manually into tank farm									
	High level alarm for D-1 Sump LS-2 Pumps do not work in Auto mode, pumping manually into tank farm Decontaimination pump requires total overhaul, temporary sump pump place in sump									
LS	:_1	ls heina	switched ove	er to automatic	so it is out of se	rvice right now				

6. DECONTAMINATION PAD/TRUCK FILL AREA AND SUMP									
A. Flow through sump weep holes B. Are Sump Pumps Operating C. Alarm indicator Lights	Normal High Yes X Yes X No								
Pumps ETM High Tem P-1 21032.1 P-2 22061.2	np Seal Fail Fault								
D. Check Decon-Area for leachate flow out oE. Check for leak in manifold discharge pipinF. Check if pump is out of service									
F. Truck Fill Totalizer 853743									
7. LEACHATE STORAGE CONTAINMENT	AREA AND SUMP								
A. Flow through sump weep holes B. Are sump pumps operating C. Alarm indicator Lights	Normal High Yes X Yes X No								
Pumps ETM High Tem P-1 1970.2 P-2 3353.1	np Seal Fail Fault								
D. Check liquid level in sump	ow 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 B. Activated carbon canisters operating (On Line) ETM	Yes X No								
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 B. Settlement along alignment of forcemain to Burr Avenue manhole X Yes Yes No									
There is groundwater inflow into all valve boxes on the site. Storage tank No. 2 has slight leak at site gauge connection PD blower motors for carbon had bad bearing and was taken O/S for repair									

10. M OTO	OR CONTROL CENTER (MCC)								
A. Are all	breakers, for the following equipment, in Lift Station No. 1 Lift Station No. 2 Decontamination Sump Storage Containment Sump Site Lighting	the ON position X Yes Yes Yes Yes X Yes Yes Yes	No No No No No No No						
11. SECU	IRITY TRAILER AND FENCING								
A. Sign-In	n-Review Visitors log and Check-In with 0	Gaurds	X Yes						
B. Check Is traile	cleanliness of trailer er clean	X Yes	No						
C. Check Collection System Alarm Panel Storage Tank Levels: N/A 1/4 1/2 3/4 Full									
Alarm I	Indicators: Lift Stations Sumps Storage Tanks	Yes No							
	security fencing surrounding the equipme ondition	ent in Yes	XNo						
Notes:	For noted deficiencies and problems pro additional sheets if necessary.	ovide description	n on form DP-1. Attached						
Due to rain, gravity flow into D-1 is high, Tank discharge valve is closed to preven overflow if D-1 RGM is hauling leachate this week. Tank site gauges are working on tanks 1 and 4 read 1/2 full. Trailer alarm panel level indicators are not working. MCC Gate has a hole in the bottom									

WEEKLY(TWICE WEEKLY) INSPECTION CHECKLIST LANDFILL GAS MANAGEMENT SYSTEM

PELHAMBAY LANDFILL (REFERENCE VOLUME III, SECTION 5)

	(REFERENC		III, SECTION 5)		_	
	Date	8/	18/2003	8/	22/200	3
	Time		7:00		7:00	
	Technician		KMB		KMB	
1.0PERATING BLOWER 1 0	R 2	1	2	1		2
A. Noise or Vibration		Ok	N/A	Ok		N/A
B. Measureable or Oderiferou	is Cas I paks	No	Yes	No		Yes
C. Upstream Vacuum-Inches		0	103	0		163
II						
D. Downstream Pressure -Inc		_				
E. Inlet Temperature-Degree						
F. Discharge Temperature-De						
2. BLOWER CONTROL PAN						
A. Disconnect Blower 1 and						
B. Flow Meter-CFM, Min & Ma						
C. Hour Meter Blower 1 (2	·		O/S			O/S
Blower 2 (Z			12455.6			12460.1
D. Blower 1 or Blower 2 Runn	-	1	2	1		2
E. The Blower Hand-Off_Auto		Off	Auto	Off		Auto
F. Blower 1 or 2 Current Alarr	m	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		Otarortan	0.00	Ottarartair		Огор
F. Security Light		Off	On	Off		On
G. Purge Start		<u> </u>	011	011		<u> </u>
11	ndicator Light	Off	On	Off		On
H. Low Purge Air Flow, Red In		Off	On	Off		
I. Purging, Blue Indicator Ligh						On
J. Purge Complete, Amber In	dicating Light	Off	On	Off		On
K. Ignition Start				0"		
L. Pilot Gas On, Green Indica		Off	On	Off		On
M. Flame Proved, Green Indi	cator Light	Off	On	Off		On
N. Waste Inlet Valve		С	O Auto	С	0	Auto
O. Waste Gas On, Green Ind	licator Light	Off	On	Off		On
P. Flare Reset						
Q. Waste Gas Blower Failure		Off	On	Off		O <u>n</u>
R. High Flare Temperature, R	Red Indicator Light	Off _	On	Off		On
S. Flare Failure, Red Indicato	r 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		ОК		
B. Propane Tank Pressure/Le	evel-PSIG	22	110	20		160
C. Inlet Valve Position		25	% Open	25		% Open
D. LFG Flowrate-CFM						
E. Gauges Operational?		Yes	No	Yes		No
F. Nitrogen Pressure-PSIG		100	1700	100	_	1800
6. SITE CONDITION						
Vandalism, Cleanliness		Good	Bad	Good		Bad
	Reviewed By					
	Date	- 0/	18/2003	0/	22/200	3
	Date	0/	10/2003	0/	221200	J

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

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

Date:	Date: 8/18/2003							1			Initial			KMB						
Downgradient Collection Sumps		D-1						D-	8							D-′	10			
A. Circuit Breakers	Pump 1	Off X	Pump 2	Off	Х	On		Off	Х	On		Off	Х	On		Off	Х	On		Off
B. Running Light On	X Yes	No	Yes X	No		Yes	Х	No		Yes	Х	No		Yes	Х	No		Yes	Х	No
C. Selector Switch Position Han-Off Automatic (HOA)	H O A		H O	Α	Н	0	Á			Н	0	Α	Н	0	Α			Н	0	Α
D. Liquid Level in Sump pump	H L 0]			н	L	0]					Н	L	0]				
E. Leak in Manifold Piping	Yes X	No				Yes	X	No						Yes	X	No				
i iping	Pumps P-1 P-2	ETM 12725.0 16791.9			Pum P-1 P-2	nps		ETM 16384 14375					Pum P-1 P-2	ps		ETM 2058 2104				
Downgradient and Curtain Drain																				

A. Is there settlement along alignment of downgradient curtain drain

Yes X No

3. D-1 Forcemain Flow Totalizer

580,515 x 100 =

58,051,500

\$. D-1 Forcemain Pressure

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

3.	LIFT STATION NO. 1							
В.	Flow from Curtain Drain Are Sump Pumps Operating Alarm indicator Lights	Low	Normal Yes Yes	X High X No No				
	Pumps ETM P-1 2737.7 P-2 2812.7	High Temp	Seal Fail	Fault				
	Check liquid level in sump Check for leak in manifold lea	Low chate piping	X High Yes	Other X No				
4.	LIFT STATION NO. 2							
В.	Settlement along buried section Are sump pumps operating Are the alarms or indicator lig		High High Yes	X No X No No				
	Pumps ETM P-1 813.8 P-2 1237.8	High Temp	Seal Fail	Fault				
D.	Check liquid level around stop Is the level,	planks Low	X High	Other				
F.	Any leaks in the manifold disc Check surface water in the Ba Are there any signs of leachat Check if a pump is out of serv	y and Rip-Rap e	Yes Yes Pump 1	X No X No Pump 2				
5.	DECONTAMINATION TRAIL	ER						
	Is the trailer clean/sanitary Is sump pump operating	Yes Yes	X No X No					
LS LS De	High level alarm for	D-1 Sump in Auto mode, p	umping manual	ly into tank farm				
LS	S-1 Is being switched over to automatic , so it is out of service right now							

6. DECONTAMINATION PAD/TRUCK FILL AREA AND SUMP										
B. Are Su	hrough sum ump Pumps indicator Lig		Low	X Normal Yes Yes	High X No X No					
	Pumps P-1 P-2	ETM 21032.1 22061.2	High Temp	Seal Fail	Fault					
D. Check Decon-Area for leachate flow out of gravel perimeter E. Check for leak in manifold discharge piping F. Check if pump is out of service Yes P-1 No P-2										
F. Truck F	Fill Totalizer	853743								
7. LEAC	HATE STOR	AGE CONTA	INMENT AREA	AND SUMP						
B. Are su	hrough sum imp pumps o indicator Lig		Low	X Normal Yes Yes	High X No X No					
	Pumps P-1 P-2	ETM 1970.2 3353.1	High Temp	Seal Fail	Fault					
D. Check	liquid level	in sump	Low	High	X Other					
	e any leak ir old discharge	n the storage	tanks and	XYes	No					
G. Check	c if a pump is	out of servic	e	X Pump 1	Pump 2					
8. CARB	ON ADSRO	PTION SYST	EM							
		canisters oper ETM	rating	Yes Yes	X No					
	Blower 2	30806.5	AIN DIO 01 / A D							
9. CONTRACT HP-877 FORCE MAIN DISCHARGE TO POTW										
A. Leakage from pipwork in valve box beside Lift Station No. 1 B. Settlement along alignment of forcemain to Burr Avenue manhole X Yes Yes X No.										
There is groundwater inflow into all valve boxes on the site. Storage tank No. 2 has slight leak at site gauge connection PD blower motors for carbon had bad bearing and was taken O/S for repair										

10. MOTOR CONTROL CENTER (MCC) A. Are all breakers, for the following equipment, in the ON position: X Yes No Lift Station No. 1 Lift Station No. 2 Yes No X Yes No Decontamination Sump Storage Containment Sump Yes No No Site Lighting Yes 11. SECURITY TRAILER AND FENCING X Yes A. Sign-In-Review Visitors log and Check-In with Gaurds B. Check cleanliness of trailer X Yes Is trailer clean No C. Check Collection System Alarm Panel Storage Tank Levels: 1/4 1/2 3/4 Full N/A Alarm Indicators: Lift Stations Sumps Storage Tanks D. Is the security fencing surrounding the equipment in X No good condition Yes For noted deficiencies and problems provide description on form DP-1. Attached Notes: additional sheets if necessary. Due to rain, gravity flow into D-1 is high, Tank discharge valve is closed to prevent overflow if D-1 RGM is hauling leachate this week. Tank site gauges are working on tanks 1 and 4 read 1/2 full. Trailer alarm panel level indicators are not working.

MCC Gate has a hole in the bottom

FORM GWL-1 WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST GROUNDWATER/LEACHATE MANAGEMENT SYSTEM

PELHAM BAY LANDFILL (REFERENCE VOLUME III SECTION 4)

Date:	Date: 8/25/2003										Initials KMB									
Downgradient Collection Sumps		D-1			ı			D-	-8							D-	10			ı
A. Circuit Breakers	Pump 1	Off 2	Pump X On		Off 2	X Or	, 1	Off	х	On		Off	Х	On		Off	Х	On		Off
A. Circuit breakers	X OII	1011 /	K OII		711	X Oi	'	1011		<u> </u>		Oli	<u> </u>	Cirl		<u> Oii </u>		Oii		<u> </u>
B. Running Light On	X Yes	No	Yes	1 X	No.	Ye	s X	No		Yes	Х	No		Yes	Х	No	Х	Yes		No
C. Selector Switch	H 0 A		Н	0	A I	- O	Α			Н	0	Α	Н	0	Α			Н	0	Α
Position Han-Off Automatic (HOA)																				
D. Liquid Level in Sump pump	H L O					⊣	0						Н	L	0]				
E. Leak in Manifold Piping	Yes X	No				Ye	s X	No						Yes	Х	No				
, 3	Pumps	ETM			'_			ETM					Pum	ıps		ETM				
	P-1 P-2	12766.4 16818.5			P. P.			1638 1437					P-1 P-2			2352 2338				
P-2 16818.9 P-2 14375.1 P-2 23380.0 2. Downgradient and Curtain Drain A. Is there settlement along alignment of downgradient curtain drain																				

3. D-1 Forcemain Flow Totalizer

 $580,580 \times 100 = 58,058,000$

\$. D-1 Forcemain Pressure

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

3.	LIFT STATION NO. 1										
B.	Flow from Curtain Drain Are Sump Pumps Operation Alarm indicator Lights	Low	Normal Yes Yes	X High X No X No							
	Pumps ETM P-1 2744.9 P-2 2812.7		Seal Fail	Fault							
	Check liquid level in sump Check for leak in manifold	Low leachate piping	X High Yes	Other No							
4.	4. LIFT STATION NO. 2										
B.	Settlement along buried set Are sump pumps operating Are the alarms or indicator	3	High High Yes	X No X No No							
	Pumps ETM P-1 817.7 P-2 1241.7		Seal Fail	Fault							
D.	Check liquid level around so the level,	stop planks	X High	Other							
F.	Any leaks in the manifold of Check surface water in the Are there any signs of lead Check if a pump is out of state of the check if a pump is out of state of the check if a pump is out of state of the check if a pump is out of state of the check if a pump is out of state of the check if a pump is out of state of the check if a pump is out of state of the check if a pump is out of state of the check if a pump is out of state of the check if a pump is out of state of the check is a p	Bay and Rip-Rap hate	Yes Yes Pump 1	X No Pump 2							
5.	DECONTAMINATION TRA	AILER									
	A. Is the trailer clean/sanitary B. Is sump pump operating Yes X No No										
LS	LS-1 Pumps do not work in Auto mode, pumping manually into tank farm High level alarm for D-1 Sump LS-2 Pumps do not work in Auto mode, pumping manually into tank farm Decontaimination pump requires total overhaul, temporary sump pump place in sump										
LS	S-1 Is being switched over to automatic, so it is out of service right now										

6. DECONTAMINATION PAD/TRUCK FILL AREA AND SUMP									
A. Flow through sumpB. Are Sump Pumps CC. Alarm indicator Ligh	perating	ow X Normal Yes Yes	High X No X No						
Pumps P-1 P-2	ETM High Tem 21032.1 22061.2	p Seal Fail	Fault						
D. Check Decon-Area for leachate flow out of gravel perimeter E. Check for leak in manifold discharge piping F. Check if pump is out of service Yes X No P-2									
F. Truck Fill Totalizer	853743								
7. LEACHATE STORA	AGE CONTAINMENT A	REA AND SUMP							
A. Flow through sump B. Are sump pumps of C. Alarm indicator Ligh	perating	ow X Normal Yes Yes	High X No X No						
Pumps P-1 P-2	ETM High Tem 1970.2 3353.1	p Seal Fail	Fault						
D. Check liquid level in	n sumpL	ow High	X Other						
E. Is there any leak in manifold discharge		X Yes	No						
G. Check if a pump is	out of service	X Pump 1	Pump 2						
8. CARBON ADSROP	PTION SYSTEM								
A. Air Compressors or B. Activated carbon ca (On Line)		Yes Yes	X No						
Blower 1 Blower 2	30806.5								
9. CONTRACT HP-877 FORCE MAIN DISCHARGE TO POTW									
A. Leakage from pipwork in valve box beside Lift Station No. 1 B. Settlement along alignment of forcemain to Burr Avenue manhole X Yes X No									
There is groundwater inflow into all valve boxes on the site. Storage tank No. 2 has slight leak at site gauge connection PD blower motors for carbon had bad bearing and was taken O/S for repair									

10. MOTOR CONTROL CENTER (MCC)

A. Are all	breakers, for the following equipment, in Lift Station No. 1 Lift Station No. 2 Decontamination Sump Storage Containment Sump Site Lighting	the ON position X Yes X Yes X Yes X Yes X Yes X Yes	No No No No No No No
11. SECU	JRITY TRAILER AND FENCING		
A. Sign-Ir	n-Review Visitors log and Check-In with G	aurds	X Yes
	cleanliness of trailer er clean	X Yes	No
	Collection System Alarm Panel e Tank Levels: N/A	1/4] 1/2 3/4Full
Alarm I	Indicators: Lift Stations Sumps Storage Tanks	Yes No	
D. Is the security fencing surrounding the equipment in good condition Yes X No			
Notes:	For noted deficiencies and problems pro additional sheets if necessary.	ovide description	n on form DP-1. Attached
	Due to rain, gravity flow into D-1 is high, Tank discharge valve is closed to p overflow if D-1 RGM is hauling leachate this week. Tank site gauges are working on tanks 1 and 4 read 1/2 full. Trailer alarm panel level indicators are not working. MCC Gate has a hole in the bottom		

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

Date:	8/29/2003				Initia				ials	s <u>KMB</u>													
Downgradient Collection Sumps	I		D	-1				J			D-	-8				l			D-	10			ı
A. Circuit Breakers	Y On	np 1	Off	X	ump :	2	Off	X	On		Off	x	On		Off	X	On	_	Off	x	On	_	Off
B. Running Light On	X Yes		No		Yes	X	No		Yes	X	No		Yes	X	No	_	Yes	X	No	X	Yes		No
C. Selector Switch	но	Ā			H	0	A	Н	0	Ā		_	Н	0	A	Н	0	A			Н	Ó	A
Position Han-Off Automatic (HOA)																					.,,		
D. Liquid Level in Sump pump	H L	0						H	L	0						Н	L	0]				
E. Leak in Manifold Piping	Yes	X	No						Yes	X	No						Yes	Х	No				
	Pumps		ETM					•			ЕТМ					Pum	ps		ETM				
	P-1		1276					P-1			1638					P-1			2352				
	P-2		1681	8.9				P-2			1437	5.1				P-2			2338	0.0			
Downgradient and Curtain Drain																							
A. Is there settlement along alignment of downgradient curtain drain						Yes	Х	No															

58,060,100

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

3. D-1 Forcemain Flow Totalizer

\$. D-1 Forcemain Pressure

580,601 x 100 =

FORM GWL-1 (continued)

3.	LIFT ST	TATION NO	D. 1						
B.	Are Sur	om Curtain np Pumps ndicator Lig	Operating	Low	Normal Yes Yes	X High X No X No			
		Pumps P-1 P-2	ETM 2762.5 2821.7	High Temp	Seal Fail	Fault			
		iquid level for leak in r	in sump nanifold leac	Low hate piping	X High Yes	Other No			
4.	LIFT ST	TATION NO	D. 2						
B.	Are sun	np pumps o		n of forcemain ts on	High High Yes	X No X No No			
		Pumps P-1 P-2	ETM 817.7 1241.7	High Temp	Seal Fail	Fault			
D.	Check I	•	around stop	planks Low	X High	Other			
F.	Check s Are ther	surface wat e any sign:	anifold disch ter in the Bay s of leachate s out of servi	and Rip-Rap	Yes Pump 1	X No Pump 2			
5.	DECON	ITAMINAT	ION TRAILE	R					
		ailer clean/ pump ope	•	Yes Yes	X No X No				
LS	LS-1 Pumps do not work in Auto mode, pumping manually into tank farm High level alarm for D-1 Sump LS-2 Pumps do not work in Auto mode, pumping manually into tank farm Decontaimination pump requires total overhaul, temporary sump pump place in sump								
LS	S-1	Is being	switched ov	er to automatic ,	, so it is out of se	rvice right now			

FORM GWL-1 (continued)

6.	DECONTAMINATION PAD/TRUCK FILL AREA AND SUMP											
B.	Flow through sump weep holes Are Sump Pumps Operating Alarm indicator Lights	Low	X Normal Yes Yes	High X No X No								
	Pumps ETM P-1 21032.1 P-2 22061.2	High Temp	Seal Fail	Fault								
E.	D. Check Decon-Area for leachate flow out of gravel perimeter E. Check for leak in manifold discharge piping F. Check if pump is out of service P-1 No P-2											
F.	Truck Fill Totalizer 853743											
7.	LEACHATE STORAGE CONTA	INMENT AREA	AND SUMP									
B.	Flow through sump weep holes Are sump pumps operating Alarm indicator Lights	Low	X Normal Yes Yes	High X No X No								
	Pumps ETM P-1 1970.2 P-2 3353.1	High Temp	Seal Fail	Fault								
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.	8. CARBON ADSROPTION SYSTEM											
	Air Compressors on Activated carbon canisters oper (On Line) ETM Blower 1 30806.5	rating	Yes Yes	X No								
_	Blower 2											
9.	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 X Yes No											
St	There is groundwater inflow into all valve boxes on the site. Storage tank No. 2 has slight leak at site gauge connection PD blower motors for carbon had bad bearing and was taken O/S for repair											

A-3

FORM GWL-1 (continued)

10. MOTO	OR CONTROL CENTER (MCC)		
A. Are all	breakers, for the following equipment, in Lift Station No. 1 Lift Station No. 2 Decontamination Sump Storage Containment Sump Site Lighting	X Yes X Yes X Yes X Yes X Yes X Yes X Yes X Yes	No No No No No No
11. SECU	JRITY TRAILER AND FENCING		
A. Sign-Ir	n-Review Visitors log and Check-In with	Gaurds	X Yes
	cleanliness of trailer er clean	XYes	No
	Collection System Alarm Panel e Tank Levels: N/A	1/4	1/2 3/4 Full
Alarm	Indicators: Lift Stations Sumps Storage Tanks	Yes N	lo
	security fencing surrounding the equipm ondition	ent in Yes	X No
Notes:	For noted deficiencies and problems padditional sheets if necessary.	provide descripti	on on form DP-1. Attached
	Due to rain, gravity flow into D-1 is higoverflow if D-1 RGM is hauling leachate this week. Tank site gauges are working on tanks Trailer alarm panel level indicators are MCC Gate has a hole in the bottom	s 1 and 4 read 1	

Severn Trent Environmental Services



Appendix C – Copy of Log Book August 2003

7/3/ Male Rounds del some monthly inspections Bob D on tractor all day. Peter was here for AXD (Guy) Gregworking on Ew Worked on Ew on road B. Made paths+ Cut weeds around E.W.'s + inside. Test weeds on four manholes in back + made a path to Monetary well in the back.

4

4

8

分

T

前

6

Coff weeds outside of tank form Made Clearing around baffled Outlets moved garbage barrels into Shed. Cut weeks garbage next to Pond A 8/1

Levin

made Rounds
worked with Jos Covation
monthly inspections
worked with Bob Dinkins on
the tracker,
pumped 13-2 & D-10

MA de Roun 25

pompet down LS2, P-10

triget to start flore but it

keeps stalling out
Bob D & Steve showed up and pround

12

worked with them for a little while

chearing out the grand canyon

Cut weeks around the buffelled outlets, trailer + grand canyon.

Moved oreg

Moved oreg

A cut weeds around battlet

Outlets + trailers,

8/8 Kern

mode Rounds

2.2 inspections

should Bob & & Stem up 1

And Kounds

2.2 inspections

should Bob D & Steve what

to le with the Grand Conyon

Elie changed the heaters from blown /

to 2

Flore Still notworking right

8/c Kevin

pumped station US-1 complete and works in automotic Bob Od Steve Anished refilling the among Canyon helped Steve set the burnt down truck out. From the back of the

O

0

P

O

moved and trailers, Flare + tack farm. Worked on Ewis on road -Grea Cut around 1. E.W.S. on road C. Made paths w/ laumower + Cut down I week on Ew fences with trimming Culter. 8/2 Kevin LS-1 not working in Auto flace is still down

LS-1 NOT WORKING IN ANTO

Flore is Still dolows

Bob D & Steve working on swhale

m. 2002 7 on Rond B

Steve & Chris Riced water pipe

Near Dean trailer

to pete to deliver of boxes.

call here guy her flat on back hoe

Moved delivery boxels into demoster of Sheet Mowell grass past fond A

4

9

Kovin

made Round, Starter flore twice, both times it ran for about 10 min. pumpel D-10, LS-2 LS-1 still down whon with D-s Steve & & bab on site

8/12 Kerin

shot flow to A-I for Eile to work on punps
stop pumping from LS-2
LS-1 back in service
flow flows site
reopen Plow to A-I, Albats are now
functional

8/12 Greg Eut Weeds in 15-2 t En on rad C.

315 5931

8/13 Cot weeks in Green to South Took of wednesday 4 Tide for mower. pulled trees out of LS-2. change Alark on pickup

Sharket Plane twice

Joe Couph' on site

Cray, Steve, low, Brian, & Bob D

working on suchales

stortel flow a couple of homes
orlivel to be Mongs from grainer
bought 5 gal, poils from Home depot
short MW Inspections on water
depths
Comy, Steve, low, Bring, & Bob D on
site
Counting the MW inspections sample
bottles in cooler

8/14 Greg Moved arall He Frailer, tank farm flare + roads with ride-on mower + push mower. 8/15 Kevin No power do to the black out Shut flow from tonk form to D-1 to avoid over flow 8/15 - Greg Cut weeds of arend tark farm with push weed washer. Keuin 8/18 made Rounds did first part of weekly inspection & Criag, lou, Blion on site pumper out LS-2

opened value from tank form to 0-1

Moved aren't trackers.
Wheat up gabage. Morrelo
the deen trailent - Oregal EW'S c. pided up Kevin mode Rounds Pumped LS-2 true to short flore. 8/20 Greg What the moved to What weednesdest to Mower. 8/20 Kerm male Rounds nstalled pump in D-1 with Some from Pleck pumps pumper out LS-2

Up gorbourg pideo Cut Will madete. 8/21 Kevin made Rounds Bob M came op, helpel start Flace helpel Greg out press in back along perimeter fence pumper LS-2 8/22 Keuin made Roun 22 Starte 2 Place pumpie ¿ LS-2 finished weelely inspection charges putter for Well Wizard with I lawn momen of picked up

picked up garbage, Mowel to tark farm. Cut in deen trailer. weeds 8/25 - Kevin D. 2 Mw Sampling with Joe C. É Mike O. Pete, RAY, & Demetri working in tank form 8/26 Kevin MW Sampling finished. cleanel two of the Storge trollers t front w/ push-nomer. Moved of Mower. Paths w/ Witeron

5P545 X30 .86 8/27 103 Kevin MALL Rounds put and now flect pump in got flace up & running D. & first port of weekly injection 8/27 - Grég Moned along roads A+B
with ride-a mower + nade palls
on road-B E. W.'S. Moved - Greg trailer + form Parm w/ Push - mower Cut weeds rest to task farm trash. around Have picked up

8/29 Greg de mond mads A+B
W/ Nide - on mower

9/2 Keun
mater Lounds

starte & Aham

Craig loud Brism were on site enthing

trees

12 - Cray

(rained), Cleaned up 52ed

9/3 Kevin Rom

MAL Rounds

Started flam

Cray & Brian on site

pumped LS-2

did parter of weekly inspection

I picked up garbage t weed wacked I amand Have, t tank farm w/ hardheld Weedwacher 9/9 Kevin (Rain) made Rounds shorted flore pumpil LS-2 9/5 Kivin mode Rounds Blan still ronning pumpel LS-2 help Cray, Lou, Brim mour cutt trees to fenced in area by trailers Pete & Demetri on site Moved at Jour trees from ronds B+C u) hevin into other Side of Fence. Used ride - on nower Cut grass behind took farm.

9/8 Kevin Male Rounds det inspection flare still running pumped Down 25-2 grapair pump in hola between C3-1 - D-1 cutt the grass around Place, bottled outlet in pond B and poth to mw by pond B Out grass with ride on money and tank farm t next to fence to L_5-2 . Mowed in Sunt of traiter wy fish money. trailer weedfacked y behind trailer + around 9/9 Kevin male Rounds rumpel Dovo LS-2 cleaned in work tradess