

Pelham Bay Landfill Monthly Report November 2003

Prepared by: Severn Trent Environmental Services January 2004



#### Section I – General

This monthly report covers the period from November 1, 2003 to November 30, 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 November 21, 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          | 0.1      |
| GMW-2          | 0.0      |
| GMW-3          | 0.1      |
| GMW-4          | 0.0      |
| GMW-5          | 0.0      |
| GMW-6          | 0.0      |
| GMW-7          | 0.6      |
| GMW-8          | 0.0      |
| GMW-9          | 0.0      |
| GMW-10         | 0.0      |
| GMW-11         | 0.0      |
| GMW-12         | 0.0      |
| <i>G</i> MW-13 | 0.0      |
| GMW-14         | 0.0      |
| GMW-15         | 0.0      |
| GMW-16         | 0.0      |
| ĠMW-17         | 0.0      |
| GMW-18         | 0.0      |
| GMW-19         | 0.0      |
| GMW-20         | 0.0      |
| GMW-21         | 0.1      |
| GMW-22         | 0.4      |



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.

Sampling for gas condensate, leachate and stormwater was performed on November 30, 2003. A copy of the results is included in Appendix A.



#### Section III - Recommendations for Maintenance and Actions Taken

#### Deficiencies identified this month and recommended repair actions:

There were no new deficiencies identified in November 2003.

#### Repair actions performed this month on previous deficiencies:

- 1. Plumbing work for the float system for the seven pumping stations is completed. Electrical work in process.
- 2. Installation of new Decon Trailer sump pump 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

#### <u>Deficiency</u>

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

#### Recommended Repair Actions

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



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

#### Operating System - Stormwater Management System

#### Stormwater Drainage Ditches

#### **Deficiency**

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

#### Repair Action

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

#### Baffled Outlets

#### Deficiency

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

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

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

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



#### Repair\_Action

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

#### Sedimentation Ponds

#### Deficiency

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

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

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

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

#### Repair Action

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

#### Operating System - Groundwater/Leachate Collection System

# Sumps and Lift Stations Deficiency

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



#### Repair Action

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

#### **Deficiency**

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

#### Repair Action

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

#### Deficiency

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

#### Repair Action

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

#### Deficiency

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

#### Repair Action

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

#### Deficiency

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

#### Repair Action

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



#### **Deficiency**

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

#### Repair Action

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

#### Deficiency

The 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

The new pump was delivered and installed in November 2003.

#### **Deficiency**

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

#### Recommended Repair Action \* .

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

#### **Deficiency**

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



#### Recommended Repair Action

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

#### Operating System - Landfill Gas System

#### Deficiency

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

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

#### Recommended Repair Action

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

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

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



#### Operating System - Ancillary System

#### Deficiency

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

#### Recommended Repair\_Action

A NYCDEP subcontractor independent of the STES contract provides the landfill security. Diligent efforts must be made by the security personnel to deter this type of activity.

#### Deficiency

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

#### Recommended Repair Action

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

#### Deficiency

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

#### Recommended Repair Action

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



## Section IV - Evaluation of Site Operations

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

STES personnel continued to manually pump out the sumps and lift stations while monitoring the leachate storage tanks and Sump D-1 levels.

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Appendix A – Summary of Laboratory Analysis



# Gas Monitoring

# A-12

lisprojects@1c4087in\_and\_micignscollsamcheck.dos

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

Inspector Anthony Vanatta Da

Date 11/21/0

|                   |            |                      |          |          | Vac. @ Well |         |       |                              |
|-------------------|------------|----------------------|----------|----------|-------------|---------|-------|------------------------------|
| Location          | Concen     | Concentration by % \ | Volume   | Temp.    | Head        | DO      | Š     | Remarks                      |
|                   | Methane    | CO                   | Охуден   | £)       | (In W.C.)   | <u></u> | 7     |                              |
| Fine Infet        | Low ld not | t samole             | - samole | Jalue is | Tanmed.     |         |       | Not Runger                   |
| Well Flend No. 1  | 65.7       | 32.8                 | 0        | 70       | 40.0        | +0.73   | 1314  |                              |
| Well Hend No. 2   | 0.09       | 37.6                 | 6:0      | 62       | 40.6        | 40.29   | 1700  |                              |
| Well Hoad No. 3   | 60.2       | 37.4                 | 0        | 00       | 0.0         | 40.59   | 1204  |                              |
| Well Head No. 4   | 65.4       | 34.6                 | 0.0      | 59       | 40.0        | 40.50   | 1308  |                              |
| Well Hend No. 5   | 8.1.8      | 1.54                 | 0.0      | 70       | 40.0        | +0.97   | 9601  |                              |
| Well Head No. 6   | 58.0       | 1.75                 | 0        | 76       | 5           | 40.76   | 2911  |                              |
| Well Hend No. 7   | 53.4       | 45.5                 | 0.6      | 69       | 5.0+        | +1,20   | 8101  |                              |
| Well Head No. 8   | 59.8       | 40.3                 | 0.0      | 102      | 40.0        | +0.80   | 196   |                              |
| Well Head No. 9   | 55.5       | 39.4                 | o.       | 50       | 40.0        | 08.04   | 1110  |                              |
| Well Hend No. 10  | 60.1       | 7.12                 | 0.0      | 65       | 40.0        | 40.70   | 1202  | ,                            |
| Well Hend No. 11  | 59.2       | 37.7                 | 0.0      | 77.      | 40.0        | PC.07   | 11.84 |                              |
| Well Head No. 12  | 58,4       | 38.1                 | ó        | 24       | 40.0        | to.68   | 8911  |                              |
| Well Head No. 13  | 54.6       | 736.4                | 0.0      | F        | 10.0        | †0.82   | 2501  |                              |
| Well Head No. 14  | 58.5       | 380                  | 0-0      | 79       | 40.0        | 40.78   | 0711  |                              |
| Well Flend No. 15 | 56.1       | 43.8                 | 0.0      | L21      | 40.0        | ナルウマ    | 122   |                              |
| Well Flead No. 16 | 58.1       | 3%.0                 | 0.0      | 7        | 10-3        | T0.0    | 29!!  | Value stock - Stockton piece |
| Well Hend No. 17  | 56.3       | 43.7                 | 0.0      | 123      | 6.01        | +0.96   | 37.6  |                              |
| Well Head No. 18  | 58.4       | 37.8                 | 0.0      | 20       | 4.0         | 52.07   | 1168  |                              |
| Well Head No. 19  | 58.3       | 40.5                 | 0.0      | b 9      | 0.07        | 10.58   | 99]]  |                              |
| Well Head No. 20  | 58.2       | 6117                 | 0.0      | 29       | 40.0        | 40.90   | 1911  |                              |
| Well Head No. 21  | 47.5       | 37.5                 | 0.1      | و د      | 10,8        | 40.54   | 950   |                              |
| Well Head No. 22  | 60.2       | 39.0                 | P. 0     | カム       | 40.6        | + 0.53  | 1204  |                              |
|                   |            |                      |          |          |             |         |       |                              |



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# PRELIMINARY REPORT

# ANALYTICAL REPORT

JOB NUMBER: 231352

Prepared For:

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

Attention: Joe Covati

Date: 01/06/2004

Signature

Name: Christine M. Shrader

Title: Project Manager

E-Mail: cshrader@stl-inc.com

Date

315 Fullerton Avenue Newburgh, NY 12550

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

# SAMPLE INFORMATION Date: 01/06/2004

Job Number:: 231352 Customer...: STES - Glen Cove Attn.....: Joe Covati

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

| Laboratory<br>Sample ID | Customer<br>Sample ID | Sample<br>Matrix | Date<br>Sampled | Time<br>Sampled | Date<br>Received | Time<br>Received |
|-------------------------|-----------------------|------------------|-----------------|-----------------|------------------|------------------|
| 231352-1                | Leachate Sch A        | Water            | 11/30/2003      | 15:00           | 12/09/2003       | 11:00            |
| 231352-2                | Leachate Sch B        | Water            | 11/30/2003      | 15:00           | 12/09/2003       | 11:00            |
| 231352-3                | Storm Water           | Water            | 11/30/2003      | 15:00           | 12/09/2003       | 11:00            |
| 231352-4                | Condensate            | Water            | 11/30/2003      | 15:00           | 12/09/2003       | 11:00            |
|                         |                       |                  |                 |                 |                  |                  |
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|                         |                       |                  |                 |                 |                  |                  |

Job Number: 231352

Date: 01/06/2004

CUSTOMER: STES - Glen Cove

PROJECT: PELHAM BAY

ATIN: Joe Covati

Customer Sample ID: Leachate Sch A
Date Sampled....: 11/30/2003
Time Sampled....: 15:00
Sample Matrix...: Water

| TEST METHOD  | PARAMETER/TEST DESCRIPTION  | SAMPLE RESULT   | Q               | FLAGS       | REPORTING LIMIT  | UNITS                                   | ANALYZED   | TEC   |
|--------------|---|---|-----------------|-------------|--|---|--|---|
| EPA 200.7    | Acid Digestion (ICP)  | Complete  |                 |             |  | Text                                    | 12/10/03   | cmp   |
| EPA 270.2    | Selenium (Se)   | 25.0  | ח               | N           | 25.0   | ug/L                                    | 12/22/03   | mwł   |
| EPA 245.1    | Mercury (Hg)  | 0.20  | ט               |             | 0.20   | ug/L                                    | 12/14/03   | lms   |
| SM18 4500CNE | Cyanide, Total  | 0.0100  | ט               |             | 0.0100   | mg/L                                    | 12/15/03   | ne  |
| SW846 8081A  | Organochlorine Pesticide Analysis alpha-BHC beta-BHC delta-BHC gamra-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<br>0.031<br>0.052<br>0.052<br>0.052<br>0.052<br>0.052<br>0.10<br>0.10<br>0.10<br>0.10<br>0.10<br>0.10<br>0.10<br>0.1                    | מממממממממממממממ |             | 0.052<br>0.052<br>0.052<br>0.052<br>0.052<br>0.052<br>0.052<br>0.10<br>0.10<br>0.10<br>0.10<br>0.10<br>0.10<br>0.10<br>0.1                 | ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L | 12/21/03<br>12/21/03<br>12/21/03<br>12/21/03<br>12/21/03<br>12/21/03<br>12/21/03<br>12/21/03<br>12/21/03<br>12/21/03<br>12/21/03<br>12/21/03<br>12/21/03<br>12/21/03<br>12/21/03<br>12/21/03<br>12/21/03<br>12/21/03<br>12/21/03<br>12/21/03<br>12/21/03 | STATE |
| 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)              | 1000<br>300<br>50.0<br>1000<br>25.0<br>25.0<br>125000<br>50.0<br>250<br>125<br>2300<br>15.0<br>56200<br>454<br>200<br>85600<br>639000<br>50.0 | ם ם ם םם םםםםם  | N<br>N<br>N | 1000<br>300<br>50.0<br>1000<br>25.0<br>25.0<br>2500<br>50.0<br>250<br>125<br>500<br>15.0<br>25000<br>50.0<br>200<br>50000<br>25000<br>50.0 | ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L | 12/19/03<br>12/19/03<br>12/19/03<br>12/19/03<br>12/19/03<br>12/19/03<br>12/19/03<br>12/19/03<br>12/19/03<br>12/19/03<br>12/19/03<br>12/19/03<br>12/19/03<br>12/19/03<br>12/19/03<br>12/19/03<br>12/19/03   | mac<br>mac<br>mac<br>mac<br>mac<br>mac<br>mac<br>mac<br>mac<br>mac  |

<sup>\*</sup> In Description = Dry Wgt.

Job Number: 231352

Date: 01/06/2004

CUSTOMER: STES - Glen Cove

PROJECT: PELHAM BAY

ATTN: Joe Covati

Customer Sample ID: Leachate Sch A
Date Sampled....: 11/30/2003
Time Sampled....: 15:00
Sample Matrix...: Water

| TEST METHOD | PARAMETER/TEST DESCRIPTION   | SAMPLE RESULT | Q                | FLAGS | REPORTING LIMIT | UNITS | ANALYZED | T     |
|-------------|------------------------------|---------------|------------------|-------|-----------------|-------|----------|-------|
| <u>-</u>    | Thallium (T1)                | 50.0          | บ                |       | 50.0            | ug/L  | 12/19/03 |       |
|             | Vanadium (V)                 | 250           | ן ט              |       | 250             | uq/L  | 12/19/03 | ma    |
|             | Zinc (Zn)                    | 100           | U                |       | 100             | ug/L  | 12/19/03 | ma    |
|             |                              |               | 11               |       |                 |       |          | 1     |
| W846 8270C  | Semivolatile Organics        | 11            | lu               | U     | 11              | ug/L  | 12/16/03 | j     |
|             | n-Nitrosodimethylamine       |               | 10               | U     | 10.             | ug/L  | 12/10/03 | ď     |
|             | Phenol                       | enviro.       | ii               |       | 10.             |       | 10/16/00 | 1     |
|             | Bis(2-chloroethyl)ether      | 11            | Ü                | Ü     |                 | ug/L  | 12/16/03 |       |
|             | 1,3-Dichlorobenzene          | 11            | U                | U     | 11              | ug/L  | 12/16/03 |       |
|             | 1,4-Dichlorobenzene          | 11            | υl               | U     | 11              | ug/L  | 12/16/03 |       |
|             | 1,2-Dichlorobenzene          | 11            | Ιυ               | U     | 11              | ug/L  | 12/16/03 |       |
|             | Benzyl alcohol               | 11            | U                | U     | 11              | ug/L  | 12/16/03 |       |
|             | 2-Methylphenol (o-cresol)    | 11            | ט                | U     | 11              | ug/L  | 12/16/03 |       |
|             | 2,2-oxybis (1-chloropropane) | 11            | U                | U     | 11              | ug/L  | 12/16/03 |       |
|             | n-Nitroso-di-n-propylamine   | 11            | υ¦               | U     | 11              | ug/L  | 12/16/03 |       |
|             | Hexachloroethane             | 11            | U                | U     | 11              | ug/L  | 12/16/03 | 3   t |
|             | 4-Methylphenol (m/p-cresol)  | 11            | U                | U     | 11              | ug/L  | 12/16/03 | β¦τ   |
|             | 2-Chlorophenol               | 11            | ן ט              | U     | 11              | uq/L  | 12/16/03 | 3 1   |
|             | Nitrobenzene                 | 11            | וטו              | U     | ! 11            | ug/L  | 12/16/03 | 3 1   |
|             | Bis (2-chloroethoxy) methane | 11            | U                | U     | 11              | ug/L  | 12/16/03 |       |
|             | 1,2,4-Trichlorobenzene       | 11            | ln               | Ū     | 11              | uq/L  | 12/16/03 |       |
|             |                              | 11            | υ                | Ū     | 11              | ug/L  | 12/16/03 |       |
|             | Isophorone                   | 11            | 10               | Ü     | 11              | ug/L  | 12/16/03 |       |
|             | 2,4-Dimethylphenol           | 11            | U                | Ü     | 111             | ug/L  | 12/16/03 | - 1   |
|             | Hexachlorobutadiene          |               | ا۲ا              | U     | 10.             | ug/L  | 12/10/03 | , [,  |
|             | Naphthalene                  | enviro.       | ĺυ               |       | 10.             |       | 12/16/03 | - 11  |
|             | 2,4-Dichlorophenol           | 11            |                  | U     |                 | ug/L  |          |       |
|             | 4-Chloroaniline              | 11            | U                | U     | 11              | ug/L  | 12/16/03 |       |
|             | 2,4,6-Trichlorophenol        | 11            | U                | U     | 11              | ug/L  | 12/16/03 |       |
|             | 2,4,5-Trichlorophenol        | 53            | U                | U     | 53              | ug/L  | 12/16/03 |       |
|             | Hexachlorocyclopentadiene    | 11            | U                | U     | 11              | ug/L  | 12/16/03 |       |
|             | 2-Methylnaphthalene          | 11            | U                | U     | 11              | ug/L  | 12/16/03 | - 1   |
|             | 2-Nitroaniline               | 26            | Įυ¦              | U     | 26              | ug/L  | 12/16/03 |       |
|             | 2-Chloronaphthalene          | 11            | Įυ               | U     | 11              | ug/L  | 12/16/03 |       |
|             | 4-Chloro-3-methylphenol      | 11            | U                | U     | 11              | ug/L  | 12/16/03 | i li  |
|             | 2,6-Dinitrotoluene           | 11            | ប                | U     | 11              | ug/L  | 12/16/03 | 3   t |
|             | 2-Nitrophenol                | 11            | U                | U     | 11              | ug/L  | 12/16/03 | 3   I |
|             | 3-Nitroaniline               | 26            | U                | U     | 26              | ug/L  | 12/16/03 | 3   1 |
|             | Dimethyl phthalate           | 11            | יטן              | U     | 11              | ug/L  | 12/16/03 | 3   1 |
|             | 2,4-Dinitrophenol            | 26            | lυ               | U     | 26              | ug/L  | 12/16/03 | 3 1   |
|             | Acenaphthylene               | 11            | U                | U     | 11              | uq/L  | 12/16/03 | 3   1 |
|             | 2,4-Dinitrotoluene           | 11            | u                | U     | 11              | ug/L  | 12/16/03 |       |
|             |                              | enviro.       |                  |       | 10.             | uq/L  | ,,       |       |
|             | Acenaphthene                 | 11            | ן ט              | U     | 11              | ug/L  | 12/16/03 | - 11. |
|             | Dibenzofuran                 | 26            | U                | Ü     | 26              | ug/L  | 12/16/03 |       |
|             | 4-Nitrophenol                | 11            | 10               | υ     | 11              | ug/L  | 12/16/03 |       |
|             | Fluorene                     | 26            | l <sup>n</sup> l | Ü     | 26              | ug/L  | 12/16/03 |       |
|             | 4-Nitroaniline               |               | l <sub>0</sub>   | Ū     | 11              |       | 12/16/03 |       |
|             | 4-Bromophenyl phenyl ether   | 11            | η                | -     | 11              | ug/L  |          |       |
|             | Hexachlorobenzene            | 11            |                  | U     |                 | ug/L  | 12/16/03 |       |
|             | Diethyl phthalate            | 7.0           | J                | J     | 11              | ug/L  | 12/16/03 | 1 1   |

Job Number: 231352

Date: 01/06/2004

CUSTOMER: STES - Glen Cove

PROJECT: PELHAM BAY

ATIN: Joe Covati

Customer Sample ID: Leachate Sch A
Date Sampled.....: 11/30/2003
Time Sampled.....: 15:00
Sample Matrix....: Water

| TEST METHOD | PARAMETER/TEST DESCRIPTION   | SAMPLE RESULT | Q   | FLAGS | REPORTING LIMIT | UNITS        | ANALYZED | TECH |
|-------------|------------------------------|---------------|-----|-------|-----------------|--------------|----------|------|
|             | 4-Chlorophenyl phenyl ether  | 11            | U   | U     | 11              | ug/L         | 12/16/03 |      |
|             | Pentachlorophenol            | 26            | U   | U     | 26              | ug/L         | 12/16/03 |      |
|             | n-Nitrosodiphenylamine       | 11            | U   | U     | 11              | ug/L         | 12/16/03 | mmb  |
|             | 4,6-Dinitro-2-methylphenol   | 26            | U   | U     | 26              | ug/L         | 12/16/03 | mmb  |
|             | Phenanthrene                 | 11            | U   | Ū     | 11              | uq/L         | 12/16/03 |      |
|             | Anthracene                   | 11            | U   | Ū     | 11              | uq/L         | 12/16/03 |      |
|             |                              | 11            | U   | LI .  | 11              | uq/L         | 12/16/03 |      |
|             | Di-n-butyl phthalate         | 111           | U   | τı    | 1 11 1          | uq/L         | 12/16/03 |      |
|             | Fluoranthene                 | 111           | U   | τī    | 1 11 1          | ug/L         | 12/16/03 |      |
|             | Pyrene                       | 11            | U   | τī    | 11              | uq/L         | 12/16/03 |      |
|             | Butyl benzyl phthalate       | 111           | la  | TI TI | 11              | ug/L         | 12/16/03 |      |
|             | Benzo (a) anthracene         | 11            | U   | 11    | 11              | ug/L         | 12/16/03 |      |
|             | Chrysene                     | 11            | 0   | 1 11  | 11              | uq/L         | 12/16/03 |      |
|             | 3,3-Dichlorobenzidine        | 11            | 10  | Ü     | 11              | ug/L         | 12/16/03 |      |
|             | Bis (2-ethylhexyl) phthalate | 111           | U   |       | 11              | ug/L         | 12/16/03 |      |
|             | Di-n-octyl phthalate         | 111           | U   | Ü     | 11              | ug/L         | 12/16/03 |      |
|             | Benzo (b) fluoranthene       | 11            |     | 1 11  | 11              | ug/L         | 12/16/03 |      |
|             | Benzo (k) fluoranthene       | 11            |     | TI U  | 1 11            | ug/L         | 12/16/03 |      |
|             | Benzo (a) pyrene             | 11            |     | U     | 1 11 !          | ug/L         | 12/16/03 |      |
|             | Indeno(1,2,3-cd)pyrene       | 111           |     | l ü   | 11              | ug/L         | 12/16/03 |      |
|             | Dibenzo (a, h) anthracene    | 11            | 111 | Ü     | 11 11           | ug/L         | 12/16/03 |      |
|             | Benzo(ghi)perylene           | 11            |     |       | 11              | ug/n         | 12/10/03 |      |
| SW846 8260B | Volatile Organics            |               |     |       | 10.0            | ug/L         |          | drr  |
|             | Chloromethane                | enviro.       |     |       | 10.0            | ug/L<br>uq/L |          | drr  |
|             | Vinyl chloride               | 4-11          | i i |       |                 |              |          | drr  |
|             | Bromomethane                 | enviro.       |     |       | 10.0            | ug/L         |          | drr  |
|             | Chloroethane                 | enviro.       |     |       | 10.0            | ug/L         |          | drr  |
|             | 1,1-Dichloroethene           | enviro.       |     | İ     | 10.0            | ug/L         |          |      |
|             | Carbon disulfide             | enviro.       | j i | İ     | 10.0            | ug/L         | İ        | drr  |
|             | Acetone                      | enviro.       |     |       | 10.0            | ug/L         |          | drr  |
|             | Methylene chloride           | enviro.       | į i | İ     | 10.0            | ug/L         |          |      |
|             | 1,1-Dichloroethane           | enviro.       | 11  |       | 10.0            | ug/L         | Ì        | drr  |
|             | Vinyl acetate                | enviro.       |     |       | 10.0            | ug/L         |          | drr  |
|             | 2-Butanone (MEK)             | enviro.       |     |       | 10.0            | ug/L         |          | drr  |
|             | Chloroform                   | enviro.       | i i |       | 10.0            | ug/L         | İ        | drr  |
|             | 1,1,1-Trichlorcethane        | enviro.       | į į | į     | 10.0            | ug/L         |          | drr  |
|             | Carbon tetrachloride         | enviro.       |     | İ     | 10.0            | ug/L         |          | drr  |
|             | 1,2-Dichloroethene (total)   | enviro.       |     | j     | 10.0            | ug/L         |          | drr  |
|             | Benzene                      | enviro.       |     | İ     | 10.0            | ug/L         |          |      |
|             | 1,2-Dichloroethane           | enviro.       |     |       | 10.0            | ug/L         | İ        | drr  |
|             | Trichloroethene              | enviro.       | 1   | İ     | 10.0            | ug/L         | İ        | drr  |
|             | 1,2-Dichloropropane          | enviro.       | į i | İ     | 10.0            | ug/L         | İ        | drr  |
|             | Bromodichloromethane         | enviro.       |     |       | 10.0            | ug/L         | İ        | drr  |
|             | 2-Chloroethylvinylether      | enviro.       |     | i     | 10.0            | ug/L         |          | drr  |
|             | cis-1,3-Dichloropropene      | enviro.       | ίİ  |       | 10.0            | ug/L         |          | drr  |
|             | 4-Methyl-2-pentanone (MIBK)  | enviro.       |     |       | 10.0            | ug/L         |          | drr  |
|             | Toluene                      | enviro.       |     | i     | 10.0            | ug/L         | İ        | drr  |
|             | trans-1,3-Dichloropropene    | enviro.       |     |       | 10.0            | ug/L         | j        | drr  |
|             | 1,1,2-Trichloroethane        | enviro.       |     | į     | 10.0            | ug/L         |          | drr  |
|             |                              |               |     |       |                 |              |          |      |

<sup>\*</sup> In Description = Dry Wgt.

Job Number: 231352

Date: 01/06/2004

COSTOMER: STES - Glen Cove

PROJECT: PELHAM BAY

ATTN: Joe Covati

Customer Sample ID: Leachate Sch A
Date Sampled....: 11/30/2003
Time Sampled....: 15:00
Sample Matrix...: Water

| EST METHOD | PARAMETER/TEST DESCRIPTION             | SAMPLE RESULT | Q | FLAGS    | REPORTING LIMIT | UNITS        | ANALYZED | TEC |
|------------|--|---------------|---|----------|-----------------|--------------|----------|-----|
| _          | Tetrachloroethene                      | enviro.       |   |          | 10.0            | ug/L         |          | dr  |
|            | 2-Hexanone                             | enviro.       |   | <br>     | 10.0            | ug/L         | 1        | dr  |
|            | Dibromochloromethane                   | enviro.       | i | ĺ        | 10.0            | ug/L         | i        | drr |
|            | Chlorobenzene                          | enviro.       |   |          | 10.0            | ug/L         | i        | drr |
|            | Ethylbenzene                           | enviro.       |   | i        | 10.0            | ug/L         | İ        | drr |
|            | Styrene                                | enviro.       | Ì | İ        | 10.0            | ug/L         | İ        | dri |
|            | Bromoform                              | enviro.       | İ | į        | 10.0<br>10.0    | ug/L<br>ug/L | İ        | dri |
|            | 1,1,2,2-Tetrachloroethane              | enviro.       | İ | İ        | 10.0            | ug/L         | 1        | dri |
|            | Xylenes (total)<br>1,3-Dichlorobenzene | enviro.       |   |          | 10.0            | ug/L         |          | dn  |
|            | 1,4-Dichlorobenzene                    | enviro.       |   |          | 10.0            | ug/L         | !        | dri |
|            | 1,2-Dichlorobenzene                    | enviro.       |   |          | 10.0            | ug/L         | 1        | dr  |
|            | 1,2-bidilorobeizer                     |               |   |          |                 | <b>-5, -</b> |          |     |
|            |  |               |   |          |                 |              |          |     |
|            |  |               | Ì |          |                 |              |          | Ì   |
|            |  |               |   |          |                 |              |          |     |
|            |  |               |   |          | ļ               |              |          |     |
|            |  |               |   |          | <br>            |              |          |     |
|            |  |               |   |          |                 |              |          |     |
|            |  |               |   |          |                 |              |          |     |
|            |  |               |   |          |                 |              |          |     |
|            | ж.                                     |               |   | <u> </u> |                 |              |          |     |
|            |  |               |   |          |                 |              |          |     |
|            |  |               |   |          |                 |              |          |     |
|            |  |               |   |          |                 |              |          |     |
|            |  |               |   |          |                 |              |          | ļ   |
|            |  |               |   | <br>     |                 |              |          |     |
|            | ,                                      |               |   |          |                 |              |          |     |
|            |  |               |   |          |                 |              | 1 .      |     |
|            |  |               |   |          |                 |              |          |     |
|            |  |               | 1 | !<br>    |                 |              |          |     |
|            |  |               |   |          |                 |              |          | İ   |
|            |  |               |   |          |                 |              |          |     |
|            |  |               |   |          |                 |              | İ        | Ì   |
|            |  |               |   |          | İ               |              |          |     |
|            |  |               |   |          |                 |              |          |     |
|            |  |               |   |          |                 |              | 1        |     |

Job Number: 231352

Date: 01/06/2004

CUSTOMER: STES - Glen Cove

PROJECT: PELHAM BAY

ATTN: Joe Covati

Customer Sample ID: Leachate Sch B
Date Sampled....: 11/30/2003
Time Sampled....: 15:00
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   | 12/10/03   | стр                                    |
| EPA 270.2     | Selenium (Se)  | 25.0   | ט      | N     | 25.0   | ug/L   | 12/22/03   | mwh                                    |
| EPA 245.1     | Mercury (Hg)   | 0.20   | ם      |       | 0.20   | ug/L   | 12/14/03   | lms                                    |
| EPA 418.1     | TPH, Recoverable   | 0.42   | Ū      |       | 0.42   | mg/L   | 12/11/03   | ae                                     |
| EPA 160.2     | Solids, Total Suspended (TSS)  | 5.00   |        |       | 2.00   | mg/L   | 12/11/03   | rmc                                    |
| SM18 3500CrD  | Hexavalent Chromium  | 0.0100   | U      | N     | 0.0100   | mg/L   | 12/10/03   | ne                                     |
| SMI8 4500CNG  | Cyanide, Amenable to Chlor.(ATC)   | 0.0100   | U      |       | 0.0100   | mg/L   | 12/15/03   | ne                                     |
| SM18 4500Cl   | Chloride   | 670  |        |       | 25   | mg/L   | 12/15/03   | se                                     |
| SM18 4500H+B  | рH   | 7.97   |        |       | 0.20   | pH Units   | 12/09/03   | se                                     |
| SM18 4500NH3E | Ammonia (NH3), as N  | 59.4   |        |       | 5.00   | mg/L   | 12/22/03   | gąj                                    |
| SM18 5210B    | Biochemical Oxygen Demand (BOD5)   | 20.2   |        |       | 4.00   | mg/L   | 12/10/03   | cump                                   |
| HACH 8000     | Chemical Oxygen Demand (COD)   | 276  |        |       | 100  | mg/L   | 12/11/03   | bg                                     |
| LAC 11107041A | Nitrate + Nitrite as N   | 1.78   |        |       | 0.200  | mg/L   | 12/11/03   | gqt                                    |
| LAC 10107062D | Nitrogen, Total Kjeldahl as N (TKN)  | 64.5   |        |       | 10.0   | mg/L   | 12/14/03   | qqt                                    |
| SW846 6010B   | Metals Analysis (ICAP) Arsenic (As) Cadmium (Cd) Chromium (Cr) Copper (Cu) Lead (Pb) Molybdenum (Mo) Nickel (Ni) Zinc (Zn) | 50.0<br>25.0<br>50.0<br>125<br>15.0<br>250<br>200<br>148 | טטטטטט |       | 50.0<br>25.0<br>50.0<br>125<br>15.0<br>250<br>200<br>100 | ug/L<br>ug/L<br>ug/L<br>ug/L<br>ug/L<br>ug/L<br>ug/L | 12/19/03<br>12/19/03<br>12/19/03<br>12/19/03<br>12/19/03<br>12/19/03<br>12/19/03 | mad<br>mad<br>mad<br>mad<br>mad<br>mad |

<sup>\*</sup> In Description = Dry Wgt.

Job Number: 231352

Date: 01/06/2004

CUSTOMER: STES - Glen Cove

PROJECT: PELHAM BAY

ATTN: Joe Covati

Customer Sample ID: Storm Water Date Sampled. . . . : 11/30/2003 Time Sampled. . . : 15:00 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                                    | 12/10/03   | cmp  |
| EPA 270.2    | Selenium (Se)   | 25.0   | ם                                       | N      | 25.0   | ug/L                                    | 12/22/03   | mwh  |
| EPA 245.1    | Mercury (Hg)  | 0.20   | ט                                       |        | 0.20   | ug/L                                    | 12/14/03   | lms  |
| SM18 4500CNE | Cyanide, Total  | 0.0100   | ָּט                                     |        | 0.0100   | mg/L                                    | 12/15/03   | 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<br>0.051<br>0.051<br>0.051<br>0.051<br>0.051<br>0.10<br>0.10   | 9 |        | 0.051<br>0.051<br>0.051<br>0.051<br>0.051<br>0.051<br>0.051<br>0.10<br>0.10  | ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L | 12/21/03<br>12/21/03<br>12/21/03<br>12/21/03<br>12/21/03<br>12/21/03<br>12/21/03<br>12/21/03<br>12/21/03<br>12/21/03<br>12/21/03<br>12/21/03<br>12/21/03<br>12/21/03<br>12/21/03<br>12/21/03<br>12/21/03<br>12/21/03<br>12/21/03<br>12/21/03<br>12/21/03 | STO<br>STO<br>STO<br>STO<br>STO<br>STO<br>STO<br>STO<br>STO<br>STO |
| 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)              | 1000<br>300<br>50.0<br>1000<br>25.0<br>25.0<br>259000<br>50.0<br>250<br>125<br>2540<br>15.0<br>36900<br>981<br>200<br>25000<br>26700<br>50.0 | ם סטט טטט טטט                           | N<br>N | 1000<br>300<br>50.0<br>1000<br>25.0<br>25.0<br>25.0<br>25.0<br>2500<br>125<br>500<br>15.0<br>25000<br>50.0<br>200<br>25000<br>50.0 | ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L | 12/19/03<br>12/19/03<br>12/19/03<br>12/19/03<br>12/19/03<br>12/19/03<br>12/19/03<br>12/19/03<br>12/19/03<br>12/19/03<br>12/19/03<br>12/19/03<br>12/19/03<br>12/19/03<br>12/19/03<br>12/19/03<br>12/19/03   | mad<br>mad<br>mad<br>mad<br>mad<br>mad<br>mad<br>mad<br>mad<br>mad |

<sup>\*</sup> In Description = Dry Wgt.

Job Number: 231352 Date: 01/06/2004

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

Customer Sample ID: Storm Water Date Sampled. . . . : 11/30/2003 Time Sampled. . . : 15:00 Sample Matrix. . . : Water

| TEST METHOD | PARAMETER/TEST DESCRIPTION                   | SAMPLE RESULT | Q     | FLAGS | REPORTING LIMIT | UNITS                                 | ANALYZED | TE  |
|-------------|--|---------------|-------|-------|-----------------|---------------------------------------|----------|-----|
|             | Thallium (Tl)                                | 50.0          | Ū     |       | 50.0            | ug/L                                  | 12/19/03 |     |
|             | Vanadium (V)                                 | 250           | U     |       | 250             | ug/L                                  | 12/19/03 |     |
|             | Zinc (Zn)                                    | 100           | טן    |       | 100             | ug/L                                  | 12/19/03 | mad |
| W846 8270C  | Semivolatile Organics                        |               |       |       | 10              | · · · · · · · · · · · · · · · · · · · | 10/16/00 | l_, |
|             | n-Nitrosodimethylamine                       | . 10          | טן    | U     | 10              | ug/L                                  | 12/16/03 |     |
|             | Phenol                                       | enviro.       | 1_1   |       | 10.             | ug/L                                  | 10/16/00 | dr  |
|             | Bis(2-chloroethyl)ether                      | 10            | U     | U     | 10              | ug/L                                  | 12/16/03 |     |
|             | 1,3-Dichlorobenzene                          | 10            | Ιυ    | U     | 10              | ug/L                                  | 12/16/03 |     |
|             | 1,4-Dichlorobenzene                          | 10            | יטן   | U     | 10              | ug/L                                  | 12/16/03 |     |
|             | 1,2-Dichlorobenzene                          | 10            | Įυ    | Ū     | 10              | ug/L                                  | 12/16/03 |     |
|             | Benzyl alcohol                               | 10            | יטן   | U     | 10              | ug/L                                  | 12/16/03 |     |
|             | 2-Methylphenol (o-cresol)                    | 10            | ļυ¦   | Ū     | 10              | ug/L                                  | 12/16/03 |     |
|             | 2,2-oxybis (1-chloropropane)                 | 10            | U     | Ū     | 10              | ug/L                                  | 12/16/03 |     |
|             | n-Nitroso-di-n-propylamine                   | 10            | ΙU    | Ū     | 10              | ug/L                                  | 12/16/03 |     |
|             | Hexachloroethane                             | 10            | ט     | Ū     | 10              | ug/L                                  | 12/16/03 |     |
|             | 4-Methylphenol (m/p-cresol)                  | 10            | U     | U     | 10              | ug/L                                  | 12/16/03 |     |
|             | 2-Chlorophenol                               | 10            | U     | U     | 10              | ug/L                                  | 12/16/03 |     |
|             | Nitrobenzene                                 | 10            | U     | U     | 10              | ug/L                                  | 12/16/03 |     |
|             | Bis(2-chloroethoxy)methane                   | 10            | U     | U     | 10              | ug/L                                  | 12/16/03 |     |
|             | 1,2,4-Trichlorobenzene                       | 10            | U     | U     | 10              | ug/L                                  | 12/16/03 |     |
|             | Isophorone                                   | 10            | Įυ¦   | U     | 10              | ug/L                                  | 12/16/03 |     |
|             | 2,4-Dimethylphenol                           | 10            | ¦υ¦   | U     | 10              | ug/L                                  | 12/16/03 |     |
|             | Hexachlorobutadiene                          | 10            | U     | U     | 10              | ug/L                                  | 12/16/03 |     |
|             | Naphthalene                                  | enviro.       | 1 1   |       | 10.             | ug/L                                  |          | d   |
|             | 2,4-Dichlorophenol                           | 10            | ļυ¦   | U     | 10              | ug/L                                  | 12/16/03 |     |
|             | 4-Chloroaniline                              | 10            | U     | U     | 10              | ug/L                                  | 12/16/03 | lπ  |
|             | 2,4,6-Trichlorophenol                        | 10            | ט     | U     | 10              | ug/L                                  | 12/16/03 | π   |
|             | 2,4,5-Trichlorophenol                        | 52            | U     | U     | 52              | ug/L                                  | 12/16/03 | η   |
|             | Hexachlorocyclopentadiene                    | 10            | ט     | U     | 10              | ug/L                                  | 12/16/03 | ıπ  |
|             | 2-Methylnaphthalene                          | 10            | ļυļ   | U     | 10              | ug/L                                  | 12/16/03 | ļπ  |
|             | 2-Nitroaniline                               | 26            | U     | U     | 26              | ug/L                                  | 12/16/03 | 'n  |
|             | 2-Chloronaphthalene                          | 10            | וטן   | U     | 10              | ug/L                                  | 12/16/03 | π   |
|             | 4-Chloro-3-methylphenol                      | 10            | ט     | U     | 10              | ug/L                                  | 12/16/03 | 'n  |
|             | 2,6-Dinitrotoluene                           | 10            | ן ט   | U     | 10              | uq/L                                  | 12/16/03 | 'n  |
|             | 2-Nitrophenol                                | 10            | U     | U     | 10              | uq/L                                  | 12/16/03 | n   |
|             | 3-Nitroaniline                               | 26            | U.    | U     | 26              | ug/L                                  | 12/16/03 | n   |
|             | Dimothyl phthalate                           | 10            | U     | U     | 10              | ug/L                                  | 12/16/03 | n   |
|             | 2,4-Dinitrophenol                            | 26            | Įυ    | U     | 26              | ug/L                                  | 12/16/03 | ļπ  |
|             | Acenaphthylene                               | 10            | ļυļ   | U     | 10              | uq/L                                  | 12/16/03 |     |
|             | 2,4-Dinitrotoluene                           | 10            | וַטוּ | U     | 10              | uq/L                                  | 12/16/03 | lπ  |
|             | Acenaphthene                                 | enviro.       |       |       | 10.             | uq/L                                  |          | ď   |
|             | Dibenzofuran                                 | 10            | lυ    | U     | 10              | ug/L                                  | 12/16/03 | m   |
|             | 4-Nitrophenol                                | 26            | Ū,    | Ū     | 26              | ug/L                                  | 12/16/03 |     |
|             | Fluorene                                     | 10            | U     | Ū     | 10              | ug/L                                  | 12/16/03 |     |
|             | 4-Nitroaniline                               | 26            | U     | Ü     | 26              | ug/L                                  | 12/16/03 |     |
|             |  | 10            | U     | ŭ     | 10              | ug/L                                  | 12/16/03 |     |
|             | 4-Bromophenyl phenyl ether Hexachlorobenzene | 10            | 11    | TI U  | 10              | uq/L                                  | 12/16/03 |     |
|             |  | 5.7           | J     | J     | 10              | ug/L                                  | 12/16/03 |     |
|             | Diethyl phthalate                            | 3.7           | 151   |       |                 | ٠, ١                                  | 1,, 03   | 1   |

Job Number: 231352

Date: 01/06/2004

CUSTOMER: STES - Glen Cove

PROJECT: PELHAM BAY

ATTN: Joe Covati

Customer Sample ID: Storm Water Date Sampled.....: 11/30/2003 Time Sampled.....: 15:00 Sample Matrix....: Water

| TEST METHOD | PARAMETER/TEST DESCRIPTION  | SAMPLE RESULT | Q                 | FLAGS | REPORTING LIMIT | UNITS | ANALYZED | TEX |
|-------------|-----------------------------|---------------|-------------------|-------|-----------------|-------|----------|-----|
|             | 4-Chlorophenyl phenyl ether | 10            | U                 | U     | 10              | ug/L  | 12/16/03 |     |
|             | Pentachlorophenol           | 26            | U                 | U     | 26              | ug/L  | 12/16/03 |     |
|             | n-Nitrosodiphenylamine      | 10            | υ                 | Ü     | 10              | ug/L  | 12/16/03 |     |
|             | 4,6-Dinitro-2-methylphenol  | 26            | Ū                 | Ū     | 26              | ug/L  | 12/16/03 |     |
|             | Phenanthrene                | 10            | υ                 | Ū     | 10              | uq/L  | 12/16/03 |     |
|             | Anthracene                  | 10            | Ū                 | Ū     | 10              | uq/L  | 12/16/03 |     |
|             | Di-n-butyl phthalate        | 10            | Ū                 | ŭ     | 10              | uq/L  | 12/16/03 |     |
|             | Fluoranthene                | 10            | $ _{\mathbf{U}} $ | Ū     | 10              | uq/L  | 12/16/03 |     |
|             |                             | 10            | U                 | Ū     | 10              | ug/L  | 12/16/03 |     |
|             | Pyrene                      | 10            |                   | Ü     | 10              | ug/L  | 12/16/03 |     |
|             | Butyl benzyl phthalate      | 10            | [0]               | Ü     | 10              | ug/L  | 12/16/03 |     |
|             | Benzo (a) anthracene        |               | [0]               | Ü     | 10              |       | 1        |     |
|             | Chrysene                    | 10            | U                 | TI U  | 1 1             | ug/L  | 12/16/03 |     |
|             | 3,3-Dichlorobenzidine       | 10            |                   | _     | 10              | ug/L  | 12/16/03 |     |
|             | Bis(2-ethylhexyl)phthalate  | 10            | ט                 | Ü     | 10              | ug/L  | 12/16/03 |     |
|             | Di-n-octyl phthalate        | 10            | ט                 | υ     | 10              | ug/L  | 12/16/03 |     |
|             | Benzo (b) fluoranthene      | 10            | ט                 | υ     | 10              | ug/L  | 12/16/03 |     |
|             | Benzo(k) fluoranthene       | 10            | U                 | Ū     | 10              | ug/L  | 12/16/03 |     |
|             | Benzo (a) pyrene            | 10            | Įυ                | U     | 10              | ug/L  | 12/16/03 | m   |
|             | Indeno(1,2,3-cd)pyrene      | 10            | U                 | U     | 10              | ug/L  | 12/16/03 | m   |
|             | Dibenzo (a, h) anthracene   | 10            | U                 | U     | 10              | ug/L  | 12/16/03 | m   |
|             | Benzo (ghi) perylene        | 10            | ט                 | Ü     | 10              | ug/L  | 12/16/03 | m   |
| 46 8260B    | Volatile Organics           |               |                   |       | ļ               |       |          |     |
|             | Chloromethane               | enviro.       |                   |       | 10.0            | ug/L  |          | ď   |
|             | Vinvl chloride              | enviro.       |                   |       | 10.0            | ug/L  |          | d   |
|             | Bromomethane                | enviro.       |                   |       | 10.0            | ug/L  |          | d   |
|             | Chloroethane                | enviro.       |                   |       | 10.0            | uq/L  |          | d   |
|             | 1.1-Dichloroethene          | enviro.       |                   |       | 10.0            | uq/L  |          | a   |
|             | Carbon disulfide            | enviro.       |                   |       | 10.0            | uq/L  |          | la  |
|             | Acetone                     | enviro.       |                   |       | 10.0            | uq/L  |          | ď   |
|             |                             | enviro.       |                   |       | 10.0            | ug/L  |          | d   |
|             | Methylene chloride          | enviro.       |                   |       | 10.0            | uq/L  |          | la  |
|             | 1,1-Dichloroethane          | enviro.       |                   |       | 10.0            | ug/L  |          | la  |
|             | Vinyl acetate               | 444.4-4.      | Ţ                 |       | 10.0            | ٥,    |          | d   |
|             | 2-Butanone (MEK)            | enviro.       | j i               |       |                 | ug/L  |          | 1 - |
|             | Chloroform                  | enviro.       |                   |       | 10.0            | ug/L  | İ        | d   |
|             | 1,1,1-Trichloroethane       | enviro.       |                   |       | 10.0            | ug/L  |          | d   |
|             | Carbon tetrachloride        | enviro.       |                   |       | 10.0            | ug/L  |          | d   |
|             | 1,2-Dichloroethene (total)  | enviro.       |                   |       | 10.0            | ug/L  |          | d   |
|             | Benzene                     | enviro.       |                   |       | 10.0            | ug/L  | 1        | d   |
|             | 1,2-Dichloroethane          | enviro.       | 11                |       | 10.0            | ug/L  |          | d   |
|             | Trichloroethene             | enviro.       |                   |       | 10.0            | ug/L  |          | d   |
|             | 1,2-Dichloropropane         | enviro.       |                   |       | 10.0            | ug/L  |          | d   |
|             | Bromodichloromethane        | enviro.       |                   |       | 10.0            | ug/L  |          | d   |
|             | 2-Chloroethylvinylether     | enviro.       |                   |       | 10.0            | ug/L  |          | d   |
|             | cis-1,3-Dichloropropene     | enviro.       |                   |       | 10.0            | ug/L  |          | d   |
|             | 4-Methyl-2-pentanone (MIBK) | enviro.       |                   |       | 10.0            | ug/L  |          | d   |
|             | Toluene                     | enviro.       |                   |       | 10.0            | ug/L  |          | la  |
|             | trans-1,3-Dichloropropene   | enviro.       |                   |       | 10.0            | uq/L  |          | d   |
|             |                             | 4             |                   |       |                 |       | 1        |     |
|             | 1.1.2-Trichloroethane       | enviro.       | 1 1               |       | 10.0            | uq/L  | !        | d   |

<sup>\*</sup> In Description = Dry Wgt.

#### RESULTS LABORATORY TEST

Job Number: 231352

Date: 01/06/2004

CUSTOMER: STES - Glen Cove

PROJECT: PELHAM BAY

ATIN: Joe Covati

Customer Sample ID: Storm Water Date Sampled. . . . : 11/30/2003 Time Sampled. . . : 15:00 Sample Matrix. . . : Water

| TEST METHOD | PARAMETER/TEST DESCRIPTION   | SAMPLE RESULT   | Q FLAGS | REPORTING LIMIT  | UNITS                                   | ANALYZED | TEC  |
|-------------|--|---|---------|--|---|----------|--|
|             | Tetrachloroethene 2-Hexanone Dibromochloromethane Chlorobenzene Ethylbenzene Styrene Bromoform 1,1,2,2-Tetrachloroethane Xylenes (total) 1,3-Dichlorobenzene 1,4-Dichlorobenzene 1,2-Dichlorobenzene 1,2-Dichlorobenzene | enviro. enviro. enviro. enviro. enviro. enviro. enviro. enviro. enviro. enviro. enviro. enviro. enviro. enviro. enviro. enviro. enviro. |         | 10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0<br>10.0 | ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L |          | drr<br>drr<br>drr<br>drr<br>drr<br>drr<br>drr<br>drr<br>drr<br>drr |
|             | 1,2-Dichlorobenzene  |   |         |  |   |          |  |
|             | а.,  |   |         |  |   |          |  |
|             | •  |   |         |  |   |          |  |
|             |  |   |         |  |   |          |  |

Job Number: 231352

Date: 01/06/2004

CUSTOMER: STES - Glen Cove

PROJECT: PELHAM BAY

ATTN: Joe Covati

Customer Sample ID: Condensate
Date Sampled....: 11/30/2003
Time Sampled....: 15:00
Sample Matrix...: Water

| TEST METHOD | PARAMETER/TEST DESCRIPTION  | SAMPLE RESULT   | Q                | FLAGS                                   | REPORTING LIMIT  | UNITS  | ANALYZED   | TEC  |
|-------------|---|---|------------------|---|--|--|--|--|
| EPA 270.2   | Selenium (Se), TCLP   | 25.0  | ū                | N                                       | 25.0   | ug/L   | 12/22/03   | mwh  |
| SW846 7470A | Mercury (Hg), TCLP  | 1.5   |                  | N                                       | 0.50   | ug/L   | 12/22/03   | lms  |
| SW846 1311  | TCLP Extraction, TCLP   | Complete  |                  |   |  |  | 12/10/03   | smo  |
| SW846 1311  | TCLP Extraction   | Complete  |                  |   |  |  |  | ljc  |
| SW846 1311  | TCLP Extraction, TCLP   | Complete  |                  |   |  |  | 12/10/03   | smo  |
| SW846 1311  | TCLP Zero Head Space (ZHE) Extraction, TCLP   | Complete  |                  |   |  |  | 12/17/03   | pcp  |
| SW846 8081A | Organochlorine Pesticide Analysis<br>gamma-BHC (Lindane), TCLP<br>Heptachlor, TCLP<br>Heptachlor epoxide, TCLP<br>Endrin, TCLP<br>Methoxychlor, TCLP<br>Toxaphene, TCLP<br>Technical Chlordane, TCLP  | 21<br>1.0<br>1.0<br>1.0<br>210<br>21<br>21                                  | ממממממ           |   | 21<br>1.0<br>1.0<br>1.0<br>210<br>21<br>21                                 | ug/L<br>ug/L<br>ug/L<br>ug/L<br>ug/L<br>ug/L | 12/21/03<br>12/21/03<br>12/21/03<br>12/21/03<br>12/21/03<br>12/21/03<br>12/21/03   | smo<br>smo<br>smo<br>smo                                     |
| SW846 6010B | Metals Analysis (ICAP) Arsenic (As), TCLP Barium (Ba), TCLP Cadmium (Cd), TCLP Chromium (Cr), TCLP Lead (Pb), TCLP Silver (Ag), TCLP  | 699<br>1000<br>50.0<br>50.0<br>500<br>50.0                                  | ם<br>ם<br>ם<br>ם | N                                       | 500<br>1000<br>50.0<br>50.0<br>500<br>50.0                                 | ug/L<br>ug/L<br>ug/L<br>ug/L<br>ug/L         | 12/19/03<br>12/19/03<br>12/19/03<br>12/19/03<br>12/19/03<br>12/19/03   | mad<br>mad<br>mad<br>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 | 26<br>21<br>49<br>21<br>690<br>21<br>21<br>21<br>21<br>20<br>21<br>21<br>21 | ממממממ מ         | ם טפטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטטט | 21<br>21<br>21<br>21<br>21<br>21<br>21<br>21<br>21<br>21<br>21<br>21<br>52 | ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L      | 12/17/03<br>12/17/03<br>12/17/03<br>12/17/03<br>12/17/03<br>12/17/03<br>12/17/03<br>12/17/03<br>12/17/03<br>12/17/03<br>12/17/03<br>12/17/03 | dimm<br>dimm<br>dimm<br>dimm<br>dimm<br>dimm<br>dimm<br>dimm |
| SW846 8260B | Volatile Organics Vinyl chloride, TCLP 1,1-Dichloroethene, TCLP 2-Butanone (MEK), TCLP Chloroform, TCLP   | 200<br>200<br>390<br>200  | u<br>U           |   | 200<br>200<br>200<br>200   | ug/L<br>ug/L<br>ug/L<br>ug/L                 | 12/11/03<br>12/11/03<br>12/11/03<br>12/11/03   | pcp  |

<sup>\*</sup> In Description = Dry Wgt.

Job Number: 231352 Date: 01/06/2004

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

Customer Sample ID: Condensate
Date Sampled....: 11/30/2003
Time Sampled....: 15:00
Sample Matrix...: Water

| TEST METHOD | PARAMETER/TEST DESCRIPTION  | SAMPLE RESULT                                 | Q    | FLAGS | REPORTING LIMIT                               | UNITS                                | ANALYZED   | TEX        |
|-------------|---|---|------|-------|---|--------------------------------------|--|------------|
|             | Carbon tetrachloride, TCLP Benzene, TCLP 1,2-Dichloroethane, TCLP Trichloroethene, TCLP Tetrachloroethene, TCLP Chlorobenzene, TCLP | 200<br>200<br>200<br>200<br>200<br>200<br>200 | ממממ |       | 200<br>200<br>200<br>200<br>200<br>200<br>200 | ug/L<br>ug/L<br>ug/L<br>ug/L<br>ug/L | 12/11/03<br>12/11/03<br>12/11/03<br>12/11/03<br>12/11/03<br>12/11/03 | bct<br>bct |
|             |   |   |      |       |   |                                      |  |            |
|             |   |   |      |       |   |                                      |  |            |
|             |   |   |      |       |   |                                      |  |            |
|             | * · · ·   |   |      |       |   |                                      |  |            |
|             | ,   |   |      |       |   |                                      |  |            |
|             |   |   |      |       |   |                                      |  |            |
|             |   |   |      |       |   |                                      |  |            |

Job Number: 231352

Date: 01/06/2004

CUSTOMER: STES - Glen Cove

PROJECT: PELHAM BAY

ATTN: Joe Covati

Customer Sample ID: Condensate
Date Sampled....: 11/30/2003
Time Sampled....: 15:00
Sample Matrix...: Water

| TEST METHOD | PARAMETER/TEST DESCRIPTION  | SAMPLE RESULT  | Q           | FLAGS                                     | REPORTING LIMIT   | UNITS  | ANALYZED   | TEX   |
|-------------|---|--|-------------|---|---|--|--|---|
| W846 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<br>1000<br>1000<br>1000<br>4600<br>1000<br>1000<br>5200<br>1000<br>1000<br>2600 | מממממם ממממ | מ<br>מ<br>מ<br>מ<br>מ<br>מ<br>מ<br>מ<br>מ | 1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>1000<br>100 | ug/L<br>ug/L<br>ug/L<br>ug/L<br>ug/L<br>ug/L<br>ug/L<br>ug/L | 12/17/03<br>12/17/03<br>12/17/03<br>12/17/03<br>12/17/03<br>12/17/03<br>12/17/03<br>12/17/03<br>12/17/03<br>12/17/03<br>12/17/03 | mmi<br>mmi<br>mmi<br>mmi<br>mmi<br>mmi<br>mmi |
|             |   |  |             |   |   |  |  |   |
|             | * .   |  |             |   |   |  |  |   |
|             | ,   |  |             |   |   |  |  |   |
|             |   |  |             |   |   |  |  |   |

#### LABORATORY CHRONICLE

Job Number: 231352 Date: 01/06/2004

| CUSTOMER: STES -         | OJECT: PE   | I HAM | BAY   |                | ATTN: Joe Covati |        |                |          |         |  |
|--------------------------|---|-------|-------|----------------|------------------|--------|----------------|----------|---------|--|
| Lab ID: 231352-1         | Client ID: Leachate Sch A   | Dat   | e Re  | cvd: 12/       | 09/2003          | Sample | Date: 11/30/2  | 2003     |         |  |
| METHOD                   | DESCRIPTION   |       |       |                | PREP BT          |        | DATE/TIME A    |          | DILUTIO |  |
|                          | 5030 5 mL Purge Prep  |       | 1     | 58915          |                  | II (D) |                |          | DILOTI  |  |
| EPA 200.7                | Acid Digestion, Total Recoverable (ICAP)                          |       | ī     | 58532          |                  |        | 12/10/2003     | 1000     |         |  |
| SMI 8 4500CNE            | Cvanide, Total  |       | ī     | 59133          |                  |        | 12/15/2003     | 0000     |         |  |
| SW846 3510C              | Extraction Sep. Funnel (Chlor.Pest)                               |       | 1     | 58889          |                  |        |                | 1200     |         |  |
|                          | Extraction Sep. Funnel (PCBs)                                     |       | 1     | 58890          |                  |        | 12/10/2003     |          |         |  |
| SW846 3510C              |   |       | _     |                |                  |        | 12/10/2003     | 1200     |         |  |
| SW846 3510C              | Extraction Sep. Funnel (SVOC)                                     |       | 1     | 58880          |                  |        | 12/10/2003     | 1200     |         |  |
| EPA 245.1                | Mercury (CVAA)  |       | 1     | 59072          |                  |        | 12/14/2003     | 1230     |         |  |
| SW846 6010B              | Metals Analysis (ICAP)  |       | 1     | 59406          | 58532            |        | 12/19/2003     | 1930     | 5.000   |  |
| SW846 6010B              | Metals Analysis (ICAP)  |       | 1     | 59517          | 58532            |        | 12/23/2003     | 1319     | 10      |  |
| SW846 8081A              | Organochlorine Pesticide Analysis                                 |       | 1     | 59532          |                  |        | 12/21/2003     | 0000     |         |  |
| QA Services              | Quality Assurance Services  |       | 1     | 58869          |                  |        |                |          |         |  |
| OA Services              | Quality Assurance Services  |       | 1     | 59470          |                  |        |                |          |         |  |
| QA Services              | Quality Assurance Services  |       | 1     | 59417          |                  |        | 12/22/2003     | 0000     |         |  |
| OA Services              | Quality Assurance Services  |       | 1     | 59533          |                  |        | 12/23/2003     | 0000     |         |  |
| EPA 270.2                | Selenium (GFAA)   |       | 1     | 59514          | 58532            |        | 12/22/2003     | 1500     | 5       |  |
| SW846 8270C              | Semivolatile Organics   |       | 1     | 59737          | 30332            |        | 12/22/2003     | 1500     | 5       |  |
| SW846 8270C              | Semivolatile Organics   |       | 1     | 59430          |                  |        | 12/16/2002     | 2.425    |         |  |
|                          |   |       |       |                |                  |        | 12/16/2003     | 1437     | 1       |  |
| SW846 8260B              | Volatile Organics   |       | 1     | 58870          |                  |        |                |          |         |  |
| ab ID: 231352-2          | Client ID: Leachate Sch B   | Dat   | e Re  | cvd: 12/       | 09/2003          | Sample | Date: 11/30/2  |          |         |  |
| METHOD                   | DESCRIPTION   | R     | WILL! | BATCH#         | PREP BT          | # (S)  | DATE/TIME A    | NALYZED  | DILUTI  |  |
| EPA 200.7                | Acid Digestion, Total Recoverable (ICAP)                          |       | 1     | 58532          |                  |        | 12/10/2003     | 1000     |         |  |
| SM18 5210B               | Biochemical Oxygen Demand (BOD/CBOD)                              |       | 1     | 59138          |                  |        | 12/10/2003     | 0000     |         |  |
| HACH 8000                | Chemical Oxygen Demand (HACH)                                     |       | 1     | 58847          |                  |        | 12/11/2003     | 0830     |         |  |
| SM18 4500Cl              | Chloride  |       | 1     | 59121          |                  |        | 12/15/2003     | 1055     |         |  |
| SM18 4500CNG             | Cyanide, Amenable to Chlorination (ATC)                           |       | 1     | 59134          |                  |        | 12/15/2003     | 0000     |         |  |
| SM18 3500CrD             | Hexavalent Chromium   |       | ī     | 58697          |                  |        | 12/10/2003     | 1145     |         |  |
|                          |   |       | 1     | 59072          |                  |        |                |          |         |  |
| EPA 245.1                | Mercury (CVAA)  |       |       |                | 50530            |        | 12/14/2003     | 1232     |         |  |
| SW846 6010B              | Metals Analysis (ICAP)  |       | 1     | 59406          | 58532            |        | 12/19/2003     | 1934     | 5.000   |  |
| LAC 11107041A            |   |       | 1     | 59702          |                  |        | 12/11/2003     | 0000     |         |  |
| SM18 4500NH3E            | Nitrogen, Ammonia (Distillation)                                  |       | 1     | 59696          |                  |        | 12/22/2003     | 1930     |         |  |
| LAC 10107062D            | Microgar, rocar njeramir  |       | 1     | 59704          |                  |        | 12/14/2003     | 0000     |         |  |
| EPA 270.2                | Selenium (GFAA)   |       | 1     | 59514          | 58532            |        | 12/22/2003     | 1510     | 5       |  |
| EPA 160.2                | Solids, Total Suspended (TSS)                                     |       | 1     | 59700          |                  |        | 12/11/2003     | 1220     |         |  |
| EPA 418.1                | Total Recoverable Petroleum Hydrocarbons                          | 3     | 1     | 58980          |                  |        | 12/11/2003     | 0000     |         |  |
| SM18 4500H+B             | pH (Water)  |       | 1     | 58619          |                  |        | 12/09/2003     | 1724     |         |  |
| ab ID: 231352-3          | Client ID: Storm Water  | Dat   | o Po  | and. 12/       | 00/2002          | Cample | Date: 11/30/20 | 202      |         |  |
| METHOD                   | DESCRIPTION   |       |       |                | PREP BT          |        | DATE/TIME A    |          | DILUTIO |  |
|                          | 5030 5 mL Purge Prep  |       | 1     | 58915          | 5.               | " (5)  | MUD/III N      | em remai | DILOTIC |  |
|                          | Acid Digestion, Total Recoverable (ICAP)                          |       | 1     | 58532          |                  |        | 12/10/2002     | 1000     |         |  |
| EPA 200.7                |   |       |       |                |                  |        | 12/10/2003     | 1000     |         |  |
| SM18 4500CNE             | Cyanide, Total  |       | 1     | 59133          |                  |        | 12/15/2003     | 0000     |         |  |
| SW846 3510C              | Extraction Sep. Funnel (Chlor.Pest)                               | -     |       | 58889          |                  |        | 12/10/2003     | 1200     |         |  |
| SW846 3510C              | Extraction Sep. Funnel (PCBs)                                     |       | 1     | 58890          |                  |        | 12/10/2003     | 1200     |         |  |
| SW846 3510C              | Extraction Sep. Funnel (SVOC)                                     | -     | 1     | 58880          |                  |        | 12/10/2003     | 1200     |         |  |
| EPA 245.1                | Mercury (CVAA)  | 1     |       | 59072          |                  |        | 12/14/2003     | 1234     |         |  |
| SW846 6010B              | Metals Analysis (ICAP)  | 7     | 1     | 59406          | 58532            |        | 12/19/2003     | 1959     | 5.000   |  |
| SW846 8081A              | Organochlorine Pesticide Analysis                                 |       | 1     | 59532          |                  |        | 12/21/2003     | 0000     |         |  |
| QA Services              | Quality Assurance Services  |       | 1     | 58869          |                  |        |                |          |         |  |
| OA Services              | Quality Assurance Services  | _     | 1     | 59417          |                  |        |                |          |         |  |
| <del>-</del>             | Quality Assurance Services  |       | i     | 59470          |                  |        |                |          |         |  |
|                          | Quality Assurance Services  | _     | 1     | 59533          |                  |        |                |          |         |  |
| QA Services              |   | _     | 1     | 59514          | E0E22            |        | 12/22/2222     | 1500     | _       |  |
| QA Services              | Colonium (CEAA)   |       |       | 27214          | 58532            |        | 12/22/2003     | 1520     | 5       |  |
| QA Services<br>EPA 270.2 | Selenium (GFAA)   |       |       |                |                  |        |                |          | -       |  |
| QA Services              | Selenium (GFAA)<br>Semivolatile Organics<br>Semivolatile Organics |       | 1     | 59737<br>59430 |                  |        | 12/16/2003     | 1513     | 1       |  |

#### LABORATORY CHRONICLE

Job Number: 231352

Date: 01/06/2004

| CUSTOMER: STES -   | Glen Cove  | PROJECT: PELHA      | M BAY                   |                                 | ATTN: Joe Covat  | i.i                  |             |
|--|--|---------------------|-------------------------|---------------------------------|--|----------------------|-------------|
| Lab ID: 231352-3<br>METHOD<br>SW846 8260B                | Client ID: Storm Water<br>DESCRIPTION<br>Volatile Organics   | Date F<br>RUN¶<br>1 |                         | '09/2003 Sample<br>PREP BT #(S) | Pate: 11/30/20<br>DATE/TIME A                              |                      | DILUTION    |
| Lab ID: 231352-4<br>METHOD<br>EPA 200.7                  | Client ID: Condensate DESCRIPTION Acid Digestion, Total Recoverable (ICA   | RUN                 |                         | 09/2003 Sample<br>PREP BT #(S)  | Date: 11/30/20<br>DATE/TIME AN<br>12/10/2003<br>12/22/2003 |                      | DILUTION    |
| SW846 7470A<br>SW846 6010B<br>SW846 8081A<br>OA Services | Mercury (CVAA) Liquid Waste<br>Metals Analysis (ICAP)<br>Organochlorine Pesticide Analysis<br>Quality Assurance Services | 1<br>1<br>1         | 59406<br>59532<br>58869 | 58532                           | 12/19/2003<br>12/21/2003                                   | 2019<br>0000         | 5.000       |
| QA Services<br>QA Services<br>QA Services                | Quality Assurance Services<br>Quality Assurance Services<br>Quality Assurance Services                                   | 1<br>1<br>1         | 59417<br>59470<br>59533 |                                 |  |                      | _           |
| EPA 270.2<br>SW846 8270C<br>SW846 8270C                  | Selenium (GFAA)<br>Semivolatile Organics<br>Semivolatile Organics  | 1<br>1              | 59514<br>59430<br>59430 | 58532                           | 12/22/2003<br>12/17/2003<br>12/17/2003                     | 1559<br>1546<br>1733 | 5<br>1<br>1 |
| SW846 8270C<br>SW846 8270C<br>SW846 1311                 | Semivolatile Organics<br>Semivolatile Organics<br>TCLP Extraction  | 2<br>2<br>1         | 59430<br>59430<br>59444 |                                 | 12/17/2003<br>12/17/2003                                   | 1546<br>1733         | 1           |
| SW846 1311<br>  SW846 1311<br>  SW846 1311               | TCLP Extraction EN/Acids TCLP Extraction Metals TCLP Extraction Pesticides   | 1 1                 | 58881<br>58630<br>58891 |                                 | 12/10/2003<br>12/10/2003<br>12/10/2003                     | 1200<br>0830<br>1200 |             |
| SW846 1311<br>SW846 8260B                                | TCLP Zero Headspace Extraction<br>Volatile Organics  | 1                   | 59046<br>59678          |                                 | 12/17/2003<br>12/11/2003                                   | 1200<br>0000         | 20          |

## QUALITY ASSURANCE METHODS

#### REFERENCES AND NOTES

Report Date: 01/06/2004

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

- 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.
- 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

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Appendix B – Inspection Forms for November 2003

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

(Reference Volume III, Figure 2-1)

| Item | Item               | Zone Number |    |    |    |    |    |     |     |    |    |    |    |    |    |
|------|--------------------|-------------|----|----|----|----|----|-----|-----|----|----|----|----|----|----|
| No.  | Title              | 1           | 2  | 3  | 4  | 5  | 6  | 7   | 8   | 9  | 10 | 11 | 12 | 13 | 14 |
| 1    | Surface Cracks     | ОК          | OK | ОК | ОК | ОК | OK | N/S | ОК  | ОК | ОК | ОК | OK | ОК | ОК |
| 2    | Vegetative Growth  | OK          | OK | OK | ОК | OK | OK | OK  | N/S | ОК | OK | OK | OK | ОК | OK |
| 3    | Vector Penetration | ОК          | OK | OK | OK | OK | OK | OK  | OK  | OK | OK | OK | OK | OK | OK |
| 4    | Settlement         | ОК          | OK | ОК | OK | OK | OK | OK  | OK  | OK | OK | OK | OK | OK | OK |
| 5    | Erosion            | OK          | OK | OK | OK | OK | OK | N/S | N/S | OK | OK | OK | OK | OK | OK |
| 6    | Slope Stability    | OK          | OK | OK | OK | OK | OK | OK  | OK  | OK | OK | OK | OK | OK | OK |
| 7    | Seepage            | ОК          | OK | ОК | OK | OK | OK | OK  | OK  | OK | OK | OK | OK | OK | OK |
| 8    | Vandalism          | ОК          | OK | ОК | OK | ОК | OK | OK  | N/S | OK | OK | OK | OK | ОК | ОК |

#### 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: November 13, 2003 Initials: KMB

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

| LOCATION | DESCRIPTION OF PROBLEM           | CORRECTIVE ACTION   |
|----------|----------------------------------|---|
|          |                                  |   |
|          |                                  |   |
|          |                                  |   |
|          |                                  |   |
|          |                                  |   |
| 7        | Rill by pond c inlet             | Need to fill and re-  |
|          |                                  | seed  |
|          |                                  |   |
|          |                                  |   |
| 8        | 10'x8' area of sparse vegetative |   |
|          | growth                           |   |
|          |                                  |   |
|          |                                  |   |
| _        |                                  |   |
| _        |                                  |   |
|          |                                  |   |
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| -        |                                  |   |
|          |                                  |   |
|          |                                  |   |
|          |                                  |   |
|          | 7                                | 7 Rill by pond c inlet  8 10'x8' area of sparse vegetative growth |

DATE: November 13, 2003 INSPECTED BY: KMB

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

DATE: 11/10/03

INITIALS: KMB

| Item         Inspection         D-1         D-2         D-3         D-4         D-5         D-6         D-7           No.         Item         D-1         D-1         D-3         D-4         D-5         D-6         D-7           1         Manhole Cover         OK         OK         OK         N/S         N/S         OK         OK           2         Silt Accumulation         Slight         OK  |      |                   |        |     |      |        |          |          |       |        |     |      |
|---|------|-------------------|--------|-----|------|--------|----------|----------|-------|--------|-----|------|
| Item         D-1         D-2         D-3         D-4         D-5         D-6         D-7           Manhole Cover         OK         OK         OK         OK         OK         OK         OK         OK           Silt Accumulation         Slight         OK         OK         OK         OK         OK         OK         OK           Pipe Connections         OK         OK         OK         OK         OK         OK         OK         OK           Settlement Along         OK         OK         OK         OK         OK         OK         OK         OK           Curtain Drain         OK         OK         OK         OK         OK         OK         OK         OK           Flow into manhole         High         Low         High         Low         Dry         Empty         High   | Item | Inspection        |        |     |      | Man    | nole and | I Sump N | umber |        |     |      |
| over         OK         OK         N/S         N/S         N/S         OK         OK           ulation         Slight         OK         OK         OK         OK         OK         OK           ctions         OK         OK         OK         OK         OK         OK         OK           Along         OK         OK         OK         OK         OK         OK         OK           nanhole         High         Low         High         Low         High  | No.  | Item              | D-1    | D-2 | D-3  | D-4    | D-5      | D-6      |       | D-8    | D-9 | D-10 |
| ulation         Slight         OK   | 1    | Manhole Cover     | OK :   | OK  | N/S  | S/N    | N/S      | S/N      |       | OK     | OK  | OK   |
| ctions         OK <th< td=""><td>2</td><td>Silt Accumulation</td><td>Slight</td><td>OK</td><td>OK</td><td>Slight</td><td>S/N</td><td>OK</td><td>OK</td><td>Slight</td><td>OK</td><td>OK</td></th<> | 2    | Silt Accumulation | Slight | OK  | OK   | Slight | S/N      | OK       | OK    | Slight | OK  | OK   |
| nnections         OK   | 3    | Settlement        | OK     | OK  | OK   | OK     | OK       | OK       | OK    | OK     | OK  | OK   |
| Drain OK OK OK OK OK OK OK OK OK OK OK OK OK  | 4    | Pipe Connections  | OK     | OK  | OK   | OK     | S/N      | OK       | OK    | OK     | OK  | OK   |
| DrainOKOKOKOKOKOKo manholeHighLowHighLowDryEmptyHigh  | ς,   | Settlement Along  |        |     |      |        |          |          |       |        |     |      |
| o manhole High Low High Low Dry Empty High  |      | Curtain Drain     | OK     | OK  | OK   | OK     | OK       | OK       | OK    | OK     | OK  | OK   |
| High Low High Low Dry Empty High  | 9    | Flow into manhole |        |     |      |        |          |          |       |        |     |      |
|   |      | or sump           | High   | Low | High |        | Dry      | Empty    | High  | High   | Dry | Low  |

| Item | Inspection        |        |       |      | <u></u> | Manhole and Sump Number | and Sum | Number |        |        |            |     |
|------|-------------------|--------|-------|------|---------|-------------------------|---------|--------|--------|--------|------------|-----|
|      | IIeII             | LS-1   | LS-2  | DS-1 | DS-2    | TS-1                    | U-1     | U-2    | U-3    | U-4    | <b>C-S</b> | 9-N |
|      | Manhole Cover     | OK     | OK    | S/N  | OK      | S/N                     | OK      | OK     | OK     | OK     | OK         |     |
| 2    | Silt Accumulation | Slight | Heavy | Mod. | Slight  | OK                      | OK      | OK     | Slight | OK     | ,          | '   |
| 3    | Settlement        | OK     | OK    | OK   | OK      | OK                      | OK      | OK     | OK     | Slight | OK         | •   |
| 4    | Pipe Connections  | OK     | OK    | OK   | МО      | S/N                     | OK      | OK     | OK     | OK     |            |     |
| 2    | Settlement Along  |        |       |      |         |                         |         |        |        |        |            | ,   |
|      | Curtain Drain     | OK     | OK    | OK   | OK      | OK                      | OK      | OK     | OK     | OK     | OK         |     |
| 9    | Flow into manhole |        |       |      |         |                         |         |        |        |        |            |     |
|      | or sump           | High   | Low   | Low  | High    | Low                     | High    | Dry    | Low    | High   | Full       | •   |
|      |                   |        |       |      |         |                         |         |        |        |        |            |     |

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

| FORM NO. | LOCATION | DESCRIPTION OF PROBLEM              | CORRECTIVE ACTION |
|----------|----------|-------------------------------------|-------------------|
| GWL-2    | D-3      | crack in manhole cover              |                   |
|          | D-4      | crack in manhole cover              |                   |
|          | D-5      | crack in manhole cover & settlement |                   |
|          | D-1      | slight silt accumulation            |                   |
|          | D-6      | crack in manhole cover, not a H20   |                   |
|          |          | cover                               |                   |
|          | D-6      | Empty 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       |                   |
|          |          |                                     |                   |
|          |          |                                     |                   |
|          |          |                                     |                   |
|          |          | :                                   |                   |
|          |          |                                     |                   |
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|          |          |                                     |                   |
|          |          |                                     |                   |

DATE: 11/10/03 INSPECTED BY: KMB

# FORM SMS-1 MONTHLY INSPECTION CHECKLIST STORMWATER DRAINAGE DITCHES STORMWATER MANAGEMENT SYSTEM PELHAM BAY LANDFILL, BRONX, NEW YORK

(Reference Volume I, Figures 2-2 and 2-3

| Item | Item                                |           | _      |              |      |      |     | one N | lumb | er    |  |      |      |         |       |
|------|-------------------------------------|-----------|--------|--------------|------|------|-----|-------|------|-------|--|------|------|---------|-------|
|      | Title                               | 1         | 2      | 3            | 4    | 5    | 6   | 7     | 8    | 9     | 10   | 11   | 12   | 13      | 14    |
| No.  | Drainage Ditch Road A               | unit tarr |        | Significant  | 100  |      | 4.9 | . 6   |      | .,    | 44.4   |      | 1    | is decr | 100   |
| 1    | Overgrown Vegetation                | NS        | NS     | NS           | NS   | NS   | NS  | NS    | NS   | NS    | NS   | NS   | NS   |         |       |
| 2    | Standing Water                      | OK        | OK     | OK           | OK   | OK   | OK  | OK    | OK   | OK    | OK   | OK   | OK   |         |       |
| 3    | Sediments and Debris                | OK        | OK     | OK           | OK   | OK   | OK  | OK    | OK   | OK    | OK   | OK   | OK   |         |       |
| 4    | Erosion/Washouts                    | OK        | OK     | OK           | OK   | OK   | OK  | OK    | OK   | OK    | OK   | OK   | OK   | 111     |       |
| 5    | Sinkholes                           | OK        | OK     | OK           | OK   | OK   | OK  | OK    | OK   | OK    | OK   | OK   | OK   |         |       |
| 6    | Culvert Road A to Road B            |           |        |              | 116  | 1000 |     |       | OK   |       |  |      | 42 A | 44      |       |
| 7    | Flapgate at 6" pipe Outlet          |           |        | 1            |      |      |     |       | OK   |       |  |      |      |         |       |
|      | Drainage Ditch, Road B              |           | 1      |              | 20   |      |     |       | 14   |       | 100  |      |      |         | 4,627 |
| 1    | Overgrown Vegetation                | NS        | NS     | NS           | NS   | NS   | NS  | OK    | OK   | NS    | NS   | NS   | NS   |         | 4.3   |
| 2    | Standing Water                      | OK        | OK     | OK           | OK   | OK   | OK  | OK    | OK   | OK    | OK   | OK   | OK   |         |       |
| 3    | Sediments and Debris                | OK        | OK     | OK           | OK   | OK   | OK  | OK    | OK   | OK    | OK   | OK   | OK   |         |       |
| 4    | Erosion/Washouts                    | OK        | OK     | OK           | OK   | OK   | OK  | OK    | OK   | OK    | OK   | OK   | OK   |         |       |
| 5    | Sinkholes                           | OK        | OK     | OK           | OK   | OK   | OK  | OK    | OK   | OK    | OK   | OK   | OK   | 141     |       |
| 6    | Culvert Road B to Road C            |           | granis |              | + 19 |      |     |       | OK   |       | a de la compansión de l | 7 14 |      |         |       |
|      | Drainage Ditch, Road B <sup>2</sup> |           | 100    |              |      |      |     |       |      | 100   |  |      |      |         | - 100 |
| 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   | ОК      | 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   | ОК      | OK    |
| 6    | Culvert Road B to Road C            |           |        |              |      |      |     | 4.18  |      | e ( 1 |  |      |      | 翻       |       |
|      | Drainage Ditch, Road C              |           | 4. 54  | Sign Control |      | 4.1  |     |       | 14   |       |  | 1    |      |         |       |
| 1    | Overgrown Vegetation                | NS        | NS     | NS           | NS   | NS   | NS  | NS    | NS   | NS    | NS   | NS   | NS   | NS      | NS    |
| 2    | Standing Water                      | ОК        | OK     | OK           | OK   | OK   | OK  | OK    | OK   | ОК    | ОК   | OK   | OK   | ОК      | OK    |
| 3    | Sediments and Debris                | ОК        | ОК     | OK           | OK   | ОК   | OK  | OK    | OK   | ОК    | ОК   | OK   | OK   | OK      | OK    |
| 4    | Erosion/Washouts                    | ОК        | OK     | OK           | OK   | ОК   | OK  | OK    | OK   | ОК    | ОК   | ОК   | ОК   | ОК      | OK    |
| 5    | Sinkholes                           | ОК        | OK     | OK           | OK   | ОК   | ОК  | 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.
- For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary

Date: 11-12-03 Initials: KMB

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

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

DATE: 11/12/03 INSPECTED BY: KB

# FORM SMS-2 MONTHLY INSPECTION CHECKLIST STORMWATER DRAINAGE DITCHES STORMWATER MANAGEMENT SYSTEM PELHAM BAY LANDFILL, BRONX, NEW YORK

(Reference Volume I, Figures 2-2 and 2-3

|      | Stormy                           | vater ( | Collecti | on Ma | nholes | (SP Se | ries)  |       |     |         | orive in<br>Value di |      |
|------|----------------------------------|---------|----------|-------|--------|--------|--------|-------|-----|---------|----------------------|------|
| Item | Item                             |         |          |       |        | Man    | hole N | umber |     | valle I |                      |      |
| 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 | Serie | 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                     | I       | Manhol | 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.
- 3. For boxes checked NS, on Form DP-1, a description of deficiency/problem. Attach additional sheets if necessary

Date: 11-18-03

Initials: KMB

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

| LOCATION | DESCRIPTION OF PROBLEM         | CORRECTIVE ACTION   |
|----------|--------------------------------|---|
|          |                                |   |
|          | silt, silt rocks in weep holes |   |
|          | silt, silt rocks in weep holes |   |
| BO4      | silt, silt rocks in weep holes |   |
|          |                                |   |
|          |                                |   |
|          |                                | _   |
|          |                                |   |
|          |                                |   |
|          |                                |   |
|          | -                              |   |
|          |                                |   |
|          |                                |   |
|          |                                |   |
|          |                                |   |
|          |                                | -   |
|          |                                |   |
| -        |                                |   |
|          |                                | _   |
|          |                                |   |
|          |                                |   |
| -        |                                |   |
|          |                                | _   |
|          |                                |   |
| -        |                                |   |
|          |                                | -   |
|          |                                | -   |
|          |                                | -   |
| _        |                                |   |
|          | BO2<br>BO3<br>BO4              | BO3 silt, silt rocks in weep holes BO4 silt, silt rocks in weep holes |

INSPECTED BY: KB

DATE: 11/18/03

# 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<br>Box |   |                          | Check<br>Box |
|---|--------------------------|--------------|---|--------------------------|--------------|
|   | Sedimentation Pond A     |              |   | Sedimentation Pond C     |              |
|   | Pond                     |              |   | Pond                     |              |
| 1 | Minimum 2 ft. Freeboard  | OK           | 1 | Minimum 2 ft. Freeboard  | OK           |
| 2 | Silt Accumulation        | N/S          | 2 | Silt Accumulation        | N/S          |
| 3 | Slope Erosion/Stability  | OK           | 3 | Slope Erosion/Stability  | N/S          |
| 4 | Debris                   | N/S          | 4 | Debris                   | N/S          |
|   | Outlet Structure         |              | 5 | Riprap                   | OK           |
| 1 | Debris/Silt Blockage     | OK           |   | Inlet Structure          |              |
| 2 | Connections to Pipe      | OK           | 1 | Debris/Silt Blockage     | N/S          |
| 3 | Erosion Around Structure | OK           | 2 | Connections to Pipe      | OK           |
| 4 | Spalling, Cracking, etc. | OK           | 3 | Erosion Around Structure | OK           |
|   |                          |              | 4 | Spalling, Cracking, etc. | OK           |
|   | Sedimentation Pond B     |              | 5 | Riprap                   | OK           |
|   | Pond                     |              |   | RCP Inlet Section        |              |
| 1 | Minimum 2 ft. Freeboard  | OK           | 1 | Debris/Silt Blockage     | N/S          |
| 2 | Silt Accumulation        | N/S          | 2 | Connections to Pipe      | OK           |
| 3 | Slope Erosion/Stability  | OK           | 3 | Erosion Around Structure | OK           |
| 4 | Debris                   | N/S          | 4 | Spalling, Cracking, etc. | OK           |
|   | Inlet Structure          |              | 5 | Weepholes                | N/S          |
| 1 | Debris/Silt Blockage     | OK           | 6 | Trashrack                | OK           |
| 2 | Connections to Pipe      | OK           | 7 | RC Pipe                  |              |
| 3 | Erosion Around Structure | OK           |   | RCP Outlet Section       |              |
| 4 | Spalling, Cracking, etc. | OK           | 1 | Debris/Silt Blockage     | OK           |
| - | Outlet Structure         |              | 2 | Connections to Pipe      | OK           |
| 1 | Debris/Silt Blockage     | N/S          | 3 | Erosion Around Structure | OK           |
| 2 | Connections to Pipe      | OK           | 4 | Spalling, Cracking, etc. | OK           |
| 3 | Erosion Around Structure | OK           | 5 | Trashrack                | OK           |
| 4 | Spalling, Cracking, etc. | OK           | 6 | Flapgate                 | OK           |
|   |                          |              | 7 | Spillway Riprap          | OK           |

#### Notes

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

Date: 11-17-03

Initials: KMB

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

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

DATE: 11/17/03 INITIALS: KB

#### FORM AS-1 MONTHLY INSPECTION CHECKLIST **ACILLARY SYSTEMS**

#### PELHAM BAY LANDFILL, BRONX, NEW YORK

(Reference Volume I, Section 2.2 and Volume III, Section 6)

|                     | Description            | Check<br>Box | If N/S or NI, description and location |
|---------------------|------------------------|--------------|--|
| IRM Ro              | adway                  |              |  |
| 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                | ОК           | Small washout in zone 5-6              |
| 4                   | Pavement Condition     | OK           |  |
| 5                   | Reflectors             | N/S          |  |
| Road B              |                        |              |  |
| 1                   | Rutting                | OK           |  |
| 2                   | Depressions/Settlement | OK           |  |
| 3                   | Washout                | OK           |  |
| 4                   | Pavement Condition     | OK           |  |
| 5                   | Reflectors             | N/S          |  |
| Road B <sup>2</sup> |                        |              |  |
| 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          |  |
| Perimete            | r Fence, Gates, Locks  | ,N/S         |  |
| Seawall             | Condition              | OK           |  |

- Use a check in the checkbox to indicate that the specific item number in the zone has been inspected and no problems
- 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: 11/13/03

Initials: KMB

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

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

DATE:

11-13-03

INSPECTED BY:

**KMB** 

#### FORM LFG-1

#### WEEKLY(TWICE WEEKLY) INSPECTION CHECKLIST LANDFILL GAS MANAGEMENT SYSTEM PELHAMBAY LANDFILL

(REFERENCE VOLUME III, SECTION 5)

| (  |         |            | III, JECTION 3/ |             |          |
|--|---------|------------|-----------------|-------------|----------|
| Date   | e L     | _11        | /3/2003         | 11          | 1/7/2003 |
| Time   | e       |            | 7:00            |             | 7:00     |
| Tecl   | hnician |            | KMB             |             | KMB      |
| 1.OPERATING BLOWER 1 OR 2                                |         | 1          | 2               | 1           | 2        |
| A. Noise or Vibration                                    | ŀ       | Ok         | N/A             | Ok          | N/A      |
| B. Measureable or Oderiferous Gas Leaks                  |         | No         | Yes             | No          | Yes      |
| C. Upstream Vacuum-Inches WC                             | ⊢       | 0          | 100             | 0           |          |
| 1  | ⊢       |            |                 | ,           | _        |
| D. Downstream Pressure -Inches WC                        | ⊢       |            |                 |             | _        |
| E. Inlet Temperature-Degree F                            | ŀ       |            |                 |             |          |
| F. Discharge Temperature-Degree F                        | - 1     |            |                 | <del></del> | _        |
| 2. BLOWER CONTROL PANEL                                  | - 1     |            |                 |             |          |
| A. Disconnnect Blower 1 and 2 Switch                     | L       |            |                 |             |          |
| B. Flow Meter-CFM, Min & Max                             | - 1     |            |                 |             |          |
| C. Hour Meter Blower 1 (Zero= )                          | L       |            | O/S             |             | O/S      |
| Blower 2 (Zero= )  | L       |            | 13111.1         |             | 13111.1  |
| D. Blower 1 or Blower 2 Running Light                    | L       | 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                              | Г       | 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                              | F       | Auto       |                 | - 0.:       |          |
| D. Local Unit Control Switch                             |         | Start/Run  | Stop            | Start/Run   | Stop     |
| E. Unit Stop   | F       | Otarbitani |                 | Clarvituii  |          |
| F. Security Light  | - 1     | Off        | Ōn              | Off         | On       |
|  | ⊢       | <u> </u>   | <u> </u>        | Oil         |          |
| G. Purge Start   | ⊢       |            |                 | 0"          | -        |
| H. Low Purge Air Flow, Red Indicator Light               |         | Off        | On              | Off         | On On    |
| I. Purging, Blue Indicator Light                         | ⊢       | Off        | On On           | Off         | On       |
| J. Purge Complete, Amber Indicating Light                | L       | Off        | On              | Off         | On       |
| K. Ignition Start  | L       |            |                 |             |          |
| L. Pilot Gas On, Green Indicator Light                   | L       | Off        | On              | Off         | On       |
| M. Flame Proved, Green Indicator Light                   | L       | Off        | On              | Off         | On       |
| N. Waste inlet Valve                                     |         | С _        | O Auto          | С           | O Auto   |
| O. Waste Gas On, Green Indicator Light                   |         | Off        | On              | Off         | On       |
| P. Flare Reset   | Г       |            | _               |             |          |
| Q. Waste Gas Blower Failure, Red Indicator Lig           | ght [   | Off        | On              | Off         | On       |
| R. High Flare Temperature, Red Indicator Light           |         | Off        | On              | Off         | On       |
| S. Flare Failure, Red Indicator Light                    | Г       | 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                               | F       | Yes        | No              | Yes         | No       |
| D. Damper Motor Running                                  |         | Yes        | No              | Yes         | No       |
| Manual Damper Postion                                    | ⊢       | 163        |                 | 103         |          |
| 5. PIPING  | ⊢       |            |                 |             |          |
|  | ⊢       | ÓK         |                 | OK          |          |
| A. General Condition B. Propane Tank Pressure/Level-PSIG | ⊢       | OK         | 80              | OK<br>20    | 80       |
|  | ⊢       | 25         |                 |             |          |
| C. Inlet Valve Position                                  | H       | 25         | % Open          | 25          | % Open   |
| D. LFG Flowrate-CFM                                      |         | Vac        |                 | Va-         |          |
| E. Gauges Operational?                                   | H       | Yes        | No              | Yes         | No       |
| F. Nitrogen Pressure-PSIG                                | ⊢       | 100        | 1100            | 100         | 1100     |
| 6. SITE CONDITION  | L       | O          |                 | 01          |          |
| Vandalism, Cleanliness                                   |         | Good       | Bad             | Good        | Bad      |
| Review   | · / L   |            |                 |             |          |
|  | Date    | 11/        | /3/2003         | 11          | /7/2003  |
|  |         |            |                 |             |          |

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

#### FORM LFG-1

#### WEEKLY(TWICE WEEKLY) INSPECTION CHECKLIST LANDFILL GAS MANAGEMENT SYSTEM

PELHAMBAY LANDFILL (REFERENCE VOLUME III, SECTION 5)

| •  | NCE VOLUME II |         | T 44/4    | 42000   |
|--|---------------|---------|-----------|---------|
| Date   |               | 0/2003  |           | 4/2003  |
| Time   |               | :00     |           | 7:00    |
| Technic  |               | МВ      |           | СМВ     |
| 1.OPERATING BLOWER 1 OR 2                        | 1             | 2       | 1         | 2       |
| A. Noise or Vibration                            | Ok            | N/A     | Ok        | N/A     |
| B. Measureable or Oderiferous Gas Leaks          | No            | Yes     | No        | Yes     |
| C. Upstream Vacuum-Inches WC                     | 0             |         | 0         |         |
| D. Downstream Pressure -Inches WC                |               |         |           |         |
| E. Inlet Temperature-Degree F                    |               |         |           |         |
| F. Discharge Temperature-Degree F                |               |         |           |         |
| 2. BLOWER CONTROL PANEL                          |               |         |           |         |
| A. Disconnnect Blower 1 and 2 Switch             |               |         |           |         |
| B. Flow Meter-CFM, Min & Max                     |               |         |           |         |
| C. Hour Meter Blower 1 (Zero= )                  |               | O/S     |           | O/S     |
| Blower 2 (Zero= )                                |               | 13111.1 |           | 13111.1 |
| D. Blower 1 or Blower 2 Running Light            | 11            | 2       | 1         | 2       |
| E. The Blower Hand-Off_Auto Switch               | Off           | Auto    | Off       | Auto    |
| F. Blower 1 or 2 Current Alarm                   | Off           | On      | Off       | On      |
| G. High Motor Current Alarm                      | Off           |         | Off       |         |
| H. Reset Alarm                                   |               |         |           |         |
| 3. FLARE CONTROL PANEL                           |               |         |           |         |
| A. Panel Power Switch                            | Off           | On      | Off       | On      |
| B. Panel Power Light                             | Off           | On      | Off       | On      |
| C. Start-Up Sequence Switch                      | Auto          |         |           |         |
| D. Local Unit Control Switch                     | Start/Run     | Stop    | Start/Run | Stop    |
| E. Unit Stop                                     |               |         |           | _       |
| F. Security Light                                | Off           | On      | Off       | On      |
| G. Purge Start                                   |               |         |           |         |
| H. Low Purge Air Flow, Red Indicator Light       | Off           | On      | Off       | On      |
| I. Purging, Blue Indicator Light                 | Off           | On      | Off       | On      |
| J. Purge Complete, Amber Indicating Light        | Off           | On      | Off       | On      |
| K. Ignition Start                                |               |         |           |         |
| L. Pilot Gas On, Green Indicator Light           | Off           | On      | Off       | On      |
| M. Flame Proved, Green Indicator Light           | Off           | On      | Off       | On      |
| N. Waste Inlet Valve                             | С             | O Auto  | С         | O Auto  |
| O. Waste Gas On, Green Indicator Light           | Off           | On      | Off       | On      |
| P. Flare Reset                                   |               |         |           |         |
| Q. Waste Gas Blower Failure, Red Indicator Light | Off           | On      | Off       | On      |
| R. High Flare Temperature, Red Indicator Light   | · . Off       | On      | Off       | On      |
| S. Flare Failure, Red Indicator Light            | Off           | On      | Off       | On      |
| 4. FLARE   |               |         |           |         |
| A. Flame Condition                               | Good          | N/A     | Good      | N/A     |
| B. Abnormal Burner Hotspots                      | Yes           | No      | Yes       | No      |
| C. Unusual Sounds or Odors                       | Yes           | No      | Yes       | No      |
| D. Damper Motor Running                          | Yes           | No      | Yes       | No      |
| Manual Damper Postion                            |               |         |           |         |
| 5. PIPING  |               |         |           |         |
| A. General Condition                             | ďК            |         | OK        |         |
| B. Propane Tank Pressure/Level-PSIG              | 20            | 80      | 20        | 80      |
| C. Inlet Valve Position                          | 25            | % Open  | 25        | % Open  |
| D. LFG Flowrate-CFM                              |               |         |           |         |
| E. Gauges Operational?                           | Yes           | No      | Yes       | No      |
| F. Nitrogen Pressure-PSIG                        | 100           | 1100    | 100       | 1100    |
| 6. SITE CONDITION                                |               |         |           |         |
| Vandalism, Cleanliness                           | Good          | Bad     | Good      | Bad     |
| Reviewed   | Ву            |         |           |         |
| ll l   |               | 0/2003  | 11/1      | 4/2003  |
|  |               |         |           |         |

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

#### FORM LFG-1 WEEKLY(TWICE WEEKLY) INSPECTION CHECKLIST LANDFILL GAS MANAGEMENT SYSTEM PELHAMBAY LANDFILL

(REFERENCE VOLUME III, SECTION 5)

| (REFERENC  |            | III, SECTION 5) |              |          |
|--|------------|-----------------|--------------|----------|
| Date   | 11/        | /17/2003        | 11           | /21/2003 |
| Time   |            | 7:00            |              | 7:00     |
| Technician                                       |            | KMB             |              | KMB      |
| 1.OPERATING BLOWER 1 OR 2                        | 1          | 2               | 1            | 2        |
| A. Noise or Vibration                            | Ok         | N/A             | Ok           | N/A      |
| B. Measureable or Oderiferous Gas Leaks          | No         | Yes             | No           | Yes      |
| C. Upstream Vacuum-Inches WC                     | 0          |                 | 0            |          |
| D. Downstream Pressure -Inches WC                | <u> </u>   |                 |              |          |
| 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                     |            | _               | <del></del>  |          |
|  |            | O/S             | <del> </del> | O/S      |
|  |            | 13111.1         | <del></del>  | 13111.1  |
|  | 1          | 2               | 1            | 2        |
| D. Blower 1 or Blower 2 Running Light            |            |                 | Off          | Auto     |
| E. The Blower Hand-Off_Auto Switch               | Off<br>Off | Auto<br>On      | Off          | On       |
| F. Blower 1 or 2 Current Alarm                   |            | On              |              |          |
| G. High Motor Current Alarm                      | Off        |                 | Off          |          |
| H. Reset Alarm                                   |            |                 |              |          |
| 3. FLARE CONTROL PANEL                           |            |                 | 0,11         | •        |
| A. Panel Power Switch                            | Off        | On              | Off          | On 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       |
| Purging, Blue Indicator Light                    | Off        | On              | Off          | On       |
| J. Purge Complete, Amber Indicating Light        | Off        | On              | Off          | On       |
| K. Ignition Start                                |            |                 |              |          |
| L. Pilot Gas On, Green Indicator Light           | Off        | On              | Off          | On       |
| M. Flame Proved, Green Indicator Light           | Off        | <u>On</u>       | Off          | On       |
| N. Waste inlet Valve                             | C          | O Auto          | C            | O Auto   |
| O. Waste Gas On, Green Indicator Light           | Off        | _On             | Off          | On       |
| P. Flare Reset                                   |            |                 |              | -        |
| Q. Waste Gas Blower Failure, Red Indicator Light | Off        | On              | Off          | On       |
| R. High Flare Temperature, Red Indicator Light   | Off        | On              | Off          | On       |
| S. Flare Failure, Red Indicator Light            | Off        | On              | Off          | On       |
| 4. FLARE   |            |                 |              |          |
| A. Flame Condition                               | Good       | N/A             | Good         | N/A      |
| B. Abnormal Burner Hotspots                      | Yes        | No              | Yes          | No       |
| C. Unusual Sounds or Odors                       | Yes        | No No           | Yes          | No       |
| D. Damper Motor Running                          | Yes        | No              | Yes          | _No      |
| Manual Damper Postion                            |            |                 |              |          |
| 5. PIPING  |            |                 |              |          |
| A. General Condition                             | OK         |                 | OK           |          |
| B. Propane Tank Pressure/Level-PSIG              | 20         | 80              | 20           | 80       |
| C. Inlet Valve Position                          | 25         | % Open          | 25           | % Open   |
| D. LFG Flowrate-CFM                              |            |                 |              |          |
| E. Gauges Operational?                           | Yes        | No              | Yes          | No       |
| F. Nitrogen Pressure-PSIG                        | 100        | _1100           | 100_         | 1100     |
| 6. SITE CONDITION                                |            |                 |              |          |
| Vandalism, Cleanliness                           | Good       | Bad             | Good         | Bad      |
| Reviewed By                                      |            |                 |              |          |
| Date   | 11/        | 17/2003         | 11/          | 21/2003  |
|  |            |                 |              |          |

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

#### FORM LFG-1 WEEKLY(TWICE WEEKLY) INSPECTION CHECKLIST LANDFILL GAS MANAGEMENT SYSTEM PELHAMBAY LANDFILL

(REFERENCE VOLUME III, SECTION 5)

|   | ` I                 |            | III, SECTION 5) | 11/26/2003 |          |  |  |
|---|---------------------|------------|-----------------|------------|----------|--|--|
|   | Date                | 11/        | <u>/24/2003</u> | 11         |          |  |  |
|   | Time                |            | 7:00<br>KMB     |            | 7:00     |  |  |
|   | Technician          |            |                 |            | KMB      |  |  |
| 1.OPERATING BLOWER 1 O                    | R 2                 | 1          | 2               | 1          | 2        |  |  |
| A. Noise or Vibration                     | - 0 - 1 - 1         | Ok         | N/A             | Ok         | N/A      |  |  |
| B. Measureable or Oderiferou              |                     | No No      | Yes             | No_        | Yes      |  |  |
| C. Upstream Vacuum-Inches                 |                     |            |                 | 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               |                     |            | - 0.10          |            | 0.10     |  |  |
| C. Hour Meter Blower 1 (Z                 | ,                   |            | O/S             |            | 0/S      |  |  |
| Blower 2 (Z                               |                     |            | 13111.1         | <u> </u>   | 13111.1  |  |  |
| 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 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 On    |  |  |
| B. Panel Power Light                      |                     | Off        | On              | Off        | On       |  |  |
| C. Start-Up Sequence Switch               |                     | Auto       |                 | a          |          |  |  |
| 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 On    |  |  |
| I. Purging, Blue Indicator Light          |                     | Off        | On              | Off        | On On    |  |  |
| J. Purge Complete, Amber Inc              | licating Light      | Off        | On              | Off        | On       |  |  |
| K. Ignition Start                         |                     |            |                 | 0"         | 0-       |  |  |
| L. Pilot Gas On, Green Indicat            |                     | Off_       | On On           | Off        | On On    |  |  |
| M. Flame Proved, Green India              | ator Light          | Off_       | On              | Off        | On       |  |  |
| N. Waste Inlet Valve                      |                     | C          | O Auto          | C          | O Auto   |  |  |
| O. Waste Gas On, Green Indi               | cator Light         | Off _      | On              | Off        | On       |  |  |
| P. Flare Reset                            | Ded Indicator Liabt |            |                 | O#         |          |  |  |
| Q. Waste Gas Blower Failure,              | Red Indicator Light | Off        | On<br>On        | Off        | On<br>On |  |  |
| R. High Flare Temperature, R              |                     | Off<br>Off | On On           | Off        | On       |  |  |
| S. Flare Failure, Red Indicator  4. FLARE | Light ;             | UIT        | On              | Off        | On       |  |  |
| H   |                     | Good       | N/A             | Good       | N/A      |  |  |
| A. Flame Condition                        |                     | Good       | N/A<br>No       | Good       | N/A      |  |  |
| B. Abnormal Burner Hotspots               |                     | Yes        |                 | Yes        | No       |  |  |
| C. Unusual Sounds or Odors                |                     | Yes        | No<br>No        | Yes<br>Yes | No       |  |  |
| D. Damper Motor Running                   |                     | 162        | NO              | 162        | No       |  |  |
| Manual Damper Postion 5. PIPING           |                     |            |                 |            |          |  |  |
| A. General Condition                      |                     | ðк         |                 | ОК         |          |  |  |
| B. Propane Tank Pressure/Le               | VALPSIG             | 20         | 80              | 20         | 80       |  |  |
| C. Inlet Valve Position                   | 1011 010            | 25         | % Open          | 25         | % Open   |  |  |
| D. LFG Flowrate-CFM                       |                     | 20         | 70 Open         |            | 70 Open  |  |  |
| E. Gauges Operational?                    | ŀ                   | Yes        | No              | Yes        | No       |  |  |
| F. Nitrogen Pressure-PSIG                 | ŀ                   | 100        | 1100            | 100        | 1100     |  |  |
| 6. SITE CONDITION                         | 100                 |            |                 | 1100       |          |  |  |
| Vandalism, Cleanliness                    | ŀ                   | Good       | Bad             | Good       | Bad      |  |  |
| Taridanorii, Ordanii 1033                 | Reviewed By         | 3000       |                 | 3000       |          |  |  |
|   | Date                | 11/        | 24/2003         | 11/        | 26/2003  |  |  |
| <u>L</u>                                  | Date                |            | L-1/2000        |            | 20/2000  |  |  |

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:   | 11/4/200 | 3       |       |     |       |   |         |     |   | Init | ials |     | KN | ИB   |     |     |   |     |
|---|----------|---------|-------|-----|-------|---|---------|-----|---|------|------|-----|----|------|-----|-----|---|-----|
| Downgradient     Collection Sumps                         |          | D-1     |       |     | I     |   | D-8     |     |   |      | I    |     |    | D-   | 10  |     |   |     |
| ·   | Pump 1   | F       | ump 2 |     |       |   |         |     |   |      |      |     |    |      |     |     |   |     |
| A. Circuit Breakers                                       | X On     | Off X   | On    | Off | X On  |   | Off X   | On  |   | Off  | Х    | On  |    | Off  | X   | On  |   | Off |
| B. Running Light On                                       | Yes X    | No      | Yes X | No  | Yes   | Χ | No      | Yes | X | No   |      | Yes | X  | No   |     | Yes | Х | No  |
| C. Selector Switch<br>Position Han-Off<br>Automatic (HOA) | H O A    |         | но    | Α   | но    | Α |         | Н   | 0 | Α    | Н    | 0   | A  |      |     | Н   | 0 | A   |
| D. Liquid Level in<br>Sump pump                           | H L O    | ]       |       |     | H L   | 0 | ]       |     |   |      | Н    | L   | 0  | ]    |     |     |   |     |
| E. Leak in Manifold<br>Piping                             | Yes X    | No      |       |     | Yes   | X | No      |     |   |      |      | Yes | X  | No   |     |     |   |     |
|   | Pumps    | ETM     |       |     | Pumps |   | ETM     |     |   |      | Pum  | ps  |    | ETM  |     |     |   |     |
|   | P-1      | 13038.8 |       |     | P-1   |   | 16384.8 |     |   |      | P-1  |     |    | 4230 | 8.7 |     |   |     |
|   | P-2      | 17040.2 |       |     | P-2   |   | 14637.6 |     |   |      | P-2  |     |    | 4085 | 7.6 |     |   |     |
| Downgradient and     Curtain Drain                        |          |         |       |     |       |   |         |     |   |      |      |     |    |      |     |     |   |     |
| A. Is there settlement along alignment of downgradient    |          |         |       |     |       |   |         |     |   |      |      |     |    |      |     |     |   |     |
| 3. D-1 Forcemain Flow Totalizer x 100 =                   |          |         |       |     |       |   |         |     |   |      |      |     |    |      |     |     |   |     |
| \$. D-1 Forcemain Pres                                    | ssure    |         |       |     |       |   |         |     |   |      |      |     |    |      |     |     |   |     |

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

| 3. | LIFT STATION NO. 1  |                     |                      |                        |
|----|---|---------------------|----------------------|------------------------|
| В. | Flow from Curtain Drain<br>Are Sump Pumps Operating<br>Alarm indicator Lights                   | Low                 | Normal<br>Yes<br>Yes | X High<br>X No<br>X No |
|    | Pumps ETM<br>P-1 2891.1<br>P-2 2812.7   | High Temp           | Seal Fail            | Fault                  |
|    | Check liquid level in sump<br>Check for leak in manifold lead                                   | Low<br>chate piping | X High<br>Yes        | Other No               |
| 4. | LIFT STATION NO. 2  |                     |                      |                        |
| B. | Settlement along buried section<br>Are sump pumps operating<br>Are the alarms or indicator ligh |                     | High<br>High<br>Yes  | X No<br>X No<br>X No   |
|    | Pumps ETM<br>P-1 870.7<br>P-2 1294.6  | High Temp           | Seal Fail            | Fault                  |
| D. | Check liquid level around stop Is the level,  | planks<br>Low       | X High               | Other                  |
|    | Any leaks in the manifold disch<br>Check surface water in the Bay                               | • •                 | Yes                  | X No                   |
|    | Are there any signs of leachate Check if a pump is out of servi                                 |                     | Yes Pump 1           | X No<br>Pump 2         |
| 5. | DECONTAMINATION TRAILE  | R                   |                      |                        |
|    | Is the trailer clean/sanitary Is sump pump operating  | Yes<br>Yes          | X No<br>X No         |                        |

| 6. DECONTAMINATION PAD/TRUCK FILL AREA AND SUMP   |            |                        |                       |      |  |  |  |  |  |  |
|---|------------|------------------------|-----------------------|------|--|--|--|--|--|--|
| <ul><li>A. Flow through sump weep holes</li><li>B. Are Sump Pumps Operating</li><li>C. Alarm indicator Lights</li></ul>           | Low        | X Normal<br>Yes<br>Yes | High<br>X<br>No<br>No |      |  |  |  |  |  |  |
| Pumps ETM P-1 21032.1 P-2 22061.2   | High Temp  | Seal Fail              | Fault                 |      |  |  |  |  |  |  |
| D. Check Decon-Area for leachate E. Check for leak in manifold dischar. Check if pump is out of service                           |            | vel perimeter Ye       |                       |      |  |  |  |  |  |  |
| F. Truck Fill Totalizer 853743  |            |                        |                       |      |  |  |  |  |  |  |
| 7. LEACHATE STORAGE CONTAI  | NMENT AREA | AND SUMP               |                       |      |  |  |  |  |  |  |
| <ul><li>A. Flow through sump weep holes</li><li>B. Are sump pumps operating</li><li>C. Alarm indicator Lights</li></ul>           | Low        | X Normal<br>Yes<br>Yes | High<br>X No<br>No    |      |  |  |  |  |  |  |
| Pumps ETM<br>P-1 1970.2<br>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 to manifold discharge piping  | anks and   | XYes                   | No                    |      |  |  |  |  |  |  |
| G. Check if a pump is out of service  |            | X Pump 1               | Pump 2                |      |  |  |  |  |  |  |
| 8. CARBON ADSROPTION SYSTE  | М          |                        |                       |      |  |  |  |  |  |  |
| A. Air Compressors on B. Activated carbon canisters opera (On Line)  ETM  Blower 1 30806.5  Blower 2  9. CONTRACT HP-877 FORCE MA | ,          | Yes Yes                | X No                  |      |  |  |  |  |  |  |
|   |            |                        |                       |      |  |  |  |  |  |  |
| <ul><li>A. Leakage from pipwork in valve be</li><li>B. Settlement along alignment of for</li></ul>                                |            |                        | e X Yes               | X No |  |  |  |  |  |  |

| 10. <b>M</b> OT | OR CONTROL CENTE  | R (MCC)            |   |                        |
|-----------------|---|--------------------|---|------------------------|
| A. Are al       | I breakers, for the follow<br>Lift Station No. 1<br>Lift Station No. 2<br>Decontamination Sum<br>Storage Containment<br>Site Lighting | np                 | x Yes X Yes X Yes X Yes X Yes X Yes X Yes X Yes | No No No No No No No   |
| 11. SEC         | URITY TRAILER AND F   | ENCING             |   |                        |
| A. Sign-I       | n-Review Visitors log ar  | nd Check-In with G | aurds   | X Yes                  |
|                 | c cleanliness of trailer<br>er clean  |                    | X Yes   | No                     |
|                 | Collection System Alar<br>Tank Levels:  | m Panel<br>N/A     | 1/4   | ] 1/2 3/4Full          |
| Alarm           | Indicators:<br>Lift Stations<br>Sumps<br>Storage Tanks  |                    | Yes No  |                        |
|                 | security fencing surroun condition  | ding the equipmen  | t in<br>Yes                                     | XNo                    |
| Notes:          | For noted deficiencies additional sheets if ne  |                    | vide descriptior                                | on form DP-1. Attached |

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

(REFERENCE VOLUME III SECTION 4)

| Date:   | 11/7/2003   | 3                    |        |     |            |     |   |                    |     |     |   | Initi | als        |           | KN | ИB                |    |     |   |     |
|---|-------------|----------------------|--------|-----|------------|-----|---|--------------------|-----|-----|---|-------|------------|-----------|----|-------------------|----|-----|---|-----|
| Downgradient     Collection Sumps                         |             | D-1                  |        |     |            |     |   | D-                 | 8   |     |   |       |            |           |    | D-                | 10 |     |   | ı   |
| •   | Pump 1      | F                    | oump 2 |     |            |     |   |                    |     |     |   |       |            |           |    |                   |    |     |   |     |
| A. Circuit Breakers                                       | X On        | Off X                | On     | Off | X          | On  |   | Off                | X   | On  |   | Off   | Х          | On        |    | Off               | X  | On  |   | Off |
| B. Running Light On                                       | Yes X       | No                   | Yes X  | No  |            | Yes | X | No                 |     | Yes | X | No    |            | Yes       | Х  | No                | -  | Yes | Х | No  |
| C. Selector Switch<br>Position Han-Off<br>Automatic (HOA) | H O A       |                      | НО     | Α   | Н          | 0   | Α |                    |     | Н   | 0 | A     | Н          | 0         | A  |                   |    | Ĥ   | 0 | Α   |
| D. Liquid Level in<br>Sump pump                           | H L O       | ]                    |        |     | Н          | L   | 0 | ]                  |     |     |   |       | Н          | L         | 0  | ]                 |    |     |   |     |
| E. Leak in Manifold<br>Piping                             | Yes X Pumps | No<br>ETM<br>13050.6 |        |     | Pum<br>P-1 | Yes | X | No<br>ETM<br>16384 | 4.0 |     |   |       | Pum<br>P-1 | Yes<br>ps |    | No<br>ETM<br>4232 |    |     |   |     |
|   | P-1<br>P-2  | 17051.7              |        |     | P-2        |     |   | 14694              | _   |     |   |       | P-2        |           |    | 4088              |    |     |   |     |
| 2. Downgradient and Curtain Drain                         |             |                      |        |     |            |     |   |                    |     |     |   |       |            |           |    |                   |    |     |   |     |
| A. Is there settlement along alignment of downgradient    |             |                      |        |     |            |     |   |                    |     |     |   |       |            |           |    |                   |    |     |   |     |
| 3. D-1 Forcemain Flow Totalizer x 100 =                   |             |                      |        |     |            |     |   |                    |     |     |   |       |            |           |    |                   |    |     |   |     |
| \$. D-1 Forcemain Pres                                    | ssure       |                      |        |     |            |     |   |                    |     |     |   |       |            |           |    |                   |    |     |   |     |

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

| 3. | LIFT STA  | ATION NO                                 | . 1                          |                            |                      |                        |
|----|-----------|--|------------------------------|----------------------------|----------------------|------------------------|
| B. | Are Sum   | n Curtain [<br>p Pumps (<br>dicator Ligh | perating                     | Low                        | Normal<br>Yes<br>Yes | X High<br>X No<br>X No |
|    | F         |  | ETM<br>2897.0<br>2812.7      | High Temp                  | Seal Fail            | Fault                  |
|    |           | quid level ir<br>r leak in m             | n sump<br>anifold leach      | Low<br>nate piping         | X High<br>Yes        | Other No               |
| 4. | LIFT STA  | ATION NO.                                | 2                            |                            |                      |                        |
| B. | Are sump  | pumps of                                 |                              | of forcemain               | High<br>High<br>Yes  | X No<br>X No<br>X No   |
|    | P         |  | ETM<br>873.1<br>1297.2       | High Temp                  | Seal Fail            | Fault                  |
| D. | Check liq | •  | round stop p                 | olanks<br>Low              | X High               | Other                  |
|    |           |  | nifold discha                | arge piping<br>and Rip-Rap | Yes                  | X No                   |
|    | Are there | any signs                                | of leachate<br>out of servic |                            | Yes Pump 1           | X No<br>Pump 2         |
| 5. | DECONT    | AMINATIC                                 | N TRAILER                    | ₹                          |                      |                        |
|    |           | ler clean/sa<br>oump opera               |                              | Yes<br>Yes                 | X No<br>X No         |                        |

| 6. | DECONTAMINATION PAD/TRU  | JCK FILL AREA | A AND SUMP             |                |
|----|--|---------------|------------------------|----------------|
| B. | Flow through sump weep holes<br>Are Sump Pumps Operating<br>Alarm indicator Lights                   | Low           | X Normal<br>Yes<br>Yes | High X No No   |
|    | Pumps ETM<br>P-1 21032.1<br>P-2 22061.2  | High Temp     | Seal Fail              | Fault          |
| E. | Check Decon-Area for leachate<br>Check for leak in manifold disch<br>Check if pump is out of service | •             | vel perimeter Ye.      |                |
| F. | Truck Fill Totalizer 853743  |               |                        |                |
| 7. | LEACHATE STORAGE CONTA   | INMENT AREA   | AND SUMP               |                |
| B. | Flow through sump weep holes<br>Are sump pumps operating<br>Alarm indicator Lights                   | Low           | X Normal<br>Yes<br>Yes | High X No X No |
|    | Pumps ETM<br>P-1 1970.2<br>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 to manifold discharge piping  | tanks and     | X Yes                  | No             |
| G. | Check if a pump is out of service  | e `           | X Pump 1               | Pump 2         |
| 8. | CARBON ADSROPTION SYST   | EM            |                        |                |
|    | Air Compressors on Activated carbon canisters oper (On Line) ETM                                     | ating ,       | Yes Yes                | X No           |
| 9. | Blower 1 30806.5<br>Blower 2<br>CONTRACT HP-877 FORCE MA   | AIN DISCHARG  | Е ТО РОТЖ              |                |
|    | Leakage from pipwork in valve b<br>Settlement along alignment of fo                                  |               |                        | Yes No         |

| 10. MOT    | OR CONTROL CENTI  | ER (MCC)           |  |                          |
|------------|---|--------------------|--|--------------------------|
| A. Are all | breakers, for the follow<br>Lift Station No. 1<br>Lift Station No. 2<br>Decontamination Sur<br>Storage Containment<br>Site Lighting | mp                 | the ON position  X Yes  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 a   | nd Check-In with G | aurds  | X Yes                    |
|            | cleanliness of trailer<br>er clean  |                    | X Yes  | No                       |
|            | Collection System Ala<br>e Tank Levels:   | rm Panel<br>N/A    | 1/4  | ] 1/2 3/4Full            |
| Alarm I    | Indicators:<br>Lift Stations<br>Sumps<br>Storage Tanks  |                    | Yes No   |                          |
|            | security fencing surrou ondition  | nding the equipmer | nt in<br>Yes   | X No                     |
| Notes:     | For noted deficiencie additional sheets if ne   |                    | vide description   | n on form DP-1. Attached |

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

#### (REFERENCE VOLUME III SECTION 4)

| Date:   | 11/10/200    | )3             |       |            |            |     |   |           |     |     |   | Init | ials       |     | K | MB        |   |     |   |     |
|---|--------------|----------------|-------|------------|------------|-----|---|-----------|-----|-----|---|------|------------|-----|---|-----------|---|-----|---|-----|
| Downgradient     Collection Sumps   |              | D-8            |       |            |            |     |   | D-10      |     |     |   |      |            |     |   |           |   |     |   |     |
|   | Pump 1       | F              | ump 2 |            |            |     |   |           |     |     |   |      |            |     |   |           |   |     |   |     |
| A. Circuit Breakers   | X On         | Off X          | On    | Off        | X          | On  |   | Off       | X   | On  |   | Off  | X          | Ön  |   | Off       | X | On  |   | Off |
| B. Running Light On   | Yes X        | No             | Yes   | X No       |            | Yes | X | No        |     | Yes | X | No   |            | Yes | X | No        |   | Yes | X | No  |
| C. Selector Switch<br>Position Han-Off<br>Automatic (HOA)                     | H O A        |                | _н (  | 0 <b>A</b> | Н          | 0   | Α |           |     | Н   | 0 | Α    | Н          | 0   | Α |           |   | н   | 0 | Α   |
| D. Liquid Level in<br>Sump pump   | H L O        | ]              |       |            | Н          | L   | 0 | ]         |     |     |   |      | Н          | L   | Ó | ]         |   |     |   |     |
| E. Leak in Manifold<br>Piping   | Yes X        |                |       |            | Dum.       | Yes | X | No<br>ETM |     |     |   |      | Dum        | Yes |   | No<br>ETM |   |     |   |     |
|   | Pumps<br>P-1 | ETM<br>13059.4 |       |            | Pum<br>P-1 | ps  |   | 16384     | 4 0 |     |   |      | Pum<br>P-1 | ps  |   | 4234      |   |     |   |     |
|   | P-1<br>P-2   | 17060.2        |       |            | P-2        |     |   | 14694     |     |     |   |      | P-2        |     |   | 4090      |   |     |   |     |
| Downgradient and<br>Curtain Drain   |              |                |       |            |            |     |   |           |     |     |   |      | -          |     |   |           |   |     |   |     |
| A. Is there settlement along alignment of downgradient Yes X No curtain drain |              |                |       |            |            |     |   |           |     |     |   |      |            |     |   |           |   |     |   |     |
| 3. D-1 Forcemain Flor   | w Totalizer  | 581            | ,647  | x 100      | =          |     |   |           |     |     |   |      |            |     |   |           |   |     |   |     |
| \$. D-1 Forcemain Pressure  |              |                |       |            |            |     |   |           |     |     |   |      |            |     |   |           |   |     |   |     |

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

A-1

| 3. | LIFT STATION NO. 1   |            |                      |                        |
|----|--|------------|----------------------|------------------------|
| B. | Flow from Curtain Drain Are Sump Pumps Operating Alarm indicator Lights                                    | Low        | Normal<br>Yes<br>Yes | X High<br>X No<br>X No |
|    | Pumps ETM High<br>P-1 2908.5<br>P-2 2812.7   | Temp       | Seal Fail            | Fault                  |
|    | Check liquid level in sump  Check for leak in manifold leachate p  | Low        | X High<br>Yes        | Other No               |
| 4. | LIFT STATION NO. 2   |            |                      |                        |
| B. | Settlement along buried section of fo<br>Are sump pumps operating<br>Are the alarms or indicator lights on | rcemain    | High<br>High<br>Yes  | X No<br>X No<br>X No   |
|    | Pumps ET <b>M</b> High<br>P-1 877.3<br>P-2 1301.3  | Temp       | Seal Fail            | Fault                  |
| D. | Check liquid level around stop planks Is the level,  | Low        | X High               | Other                  |
| F. | Any leaks in the manifold discharge p<br>Check surface water in the Bay and F                              |            | Yes                  | X No                   |
|    | Are there any signs of leachate<br>Check if a pump is out of service                                       |            | Yes Pump 1           | X No<br>Pump 2         |
| 5. | DECONTAMINATION TRAILER  | ,          |                      |                        |
|    | Is the trailer clean/sanitary Is sump pump operating   | Yes<br>Yes | X No<br>X No         |                        |

| 6. DECONTAMINATION PAD/TRUCK FILL AREA AND SUMP |   |             |                        |                       |      |  |  |  |  |  |
|---|---|-------------|------------------------|-----------------------|------|--|--|--|--|--|
| B.  | Flow through sump weep holes<br>Are Sump Pumps Operating<br>Alarm indicator Lights                                      | Low         | X Normal<br>Yes<br>Yes | High<br>X<br>No<br>No |      |  |  |  |  |  |
|   | Pumps ETM<br>P-1 21033.9<br>P-2 22065.0   | High Temp   | Seal Fail              | Fault                 |      |  |  |  |  |  |
| E.  | Check Decon-Area for leachate<br>Check for leak in manifold disch<br>Check if pump is out of service                    |             | vel perimeter Ye       |                       |      |  |  |  |  |  |
| F.  | Truck Fill Totalizer 853743   |             |                        |                       |      |  |  |  |  |  |
| 7.  | LEACHATE STORAGE CONTA  | INMENT AREA | AND SUMP               |                       |      |  |  |  |  |  |
| B.  | Flow through sump weep holes<br>Are sump pumps operating<br>Alarm indicator Lights                                      | Low         | X Normal<br>Yes<br>Yes | High<br>X<br>No<br>No |      |  |  |  |  |  |
|   | Pumps ETM<br>P-1 1970.2<br>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 manifold discharge piping  | tanks and   | X Yes                  | No                    |      |  |  |  |  |  |
| G.  | Check if a pump is out of service   | e           | X Pump 1               | Pump 2                |      |  |  |  |  |  |
| 8.  | CARBON ADSROPTION SYST  | EM          |                        |                       |      |  |  |  |  |  |
| B.  | Air Compressors on Activated carbon canisters oper (On Line)  ETM  Blower 1 30806.5  Blower 2  CONTRACT HP-877 FORCE M. | ,           | Yes Yes                | X No                  |      |  |  |  |  |  |
|   | Leakage from pipwork in valve b<br>Settlement along alignment of fo   |             |                        | X Yes Yes             | X No |  |  |  |  |  |

| 10. MOT  | FOR CONTROL CENTER (  | MCC)             |   |                          |
|----------|---|------------------|---|--------------------------|
| A. Are a | Il breakers, for the following<br>Lift Station No. 1<br>Lift Station No. 2<br>Decontamination Sump<br>Storage Containment Su<br>Site Lighting |                  | X Yes X Yes X Yes X Yes X Yes X Yes X Yes X Yes | No No No No No No No     |
| 11. SEC  | URITY TRAILER AND FEN   | ICING            |   |                          |
| A. Sign- | In-Review Visitors log and 0  | Check-In with Ga | urds  | X Yes                    |
|          | k cleanliness of trailer<br>ler clean   |                  | X Yes   | No                       |
|          | k Collection System Alarm l<br>ge Tank Levels: N  |                  | 1/4   | ] 1/2 3/4 Full           |
| Alarm    | Indicators:<br>Lift Stations<br>Sumps<br>Storage Tanks  |                  | Yes No  |                          |
|          | security fencing surroundir condition   | g the equipment  | in<br>Yes                                       | X No                     |
| Notes:   | For noted deficiencies an   | •                | ride description                                | n on form DP-1. Attached |

#### FORM GWL-1

#### WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST GROUNDWATER/LEACHATE MANAGEMENT SYSTEM PELHAM BAY LANDFILL

(REFERENCE VOLUME III SECTION 4)

| Date:   |                                   | 11/14/ | 200 | 3            |   |     |   |     |            |     |   |              |          |          |   | Init | ials       |     | K  | <b>/</b> B   |   | -   |   |     |
|---|-----------------------------------|--------|-----|--------------|---|-----|---|-----|------------|-----|---|--------------|----------|----------|---|------|------------|-----|----|--------------|---|-----|---|-----|
| Downgradient     Collection Sumps   | Downgradient D-1 Collection Sumps |        |     |              |   |     |   |     | <b>D-8</b> |     |   |              |          |          | l |      |            | D-  | 10 |              |   |     |   |     |
|   |                                   | Pum    | p 1 |              |   | ump | 2 |     |            |     |   | 07/1         |          | <u> </u> |   | 077  |            |     |    | 0.00         | • |     |   |     |
| A. Circuit Breakers   | X                                 | On     |     | Off          | X | On  | - | Off | X          | On  | _ | Off          | <u>X</u> | On       |   | Off  | X          | On  |    | Off          | X | On  |   | Off |
| B. Running Light On   | _                                 | Yes    | X   | No           |   | Yes | X | No  |            | Yes | X | No           |          | Yes      | X | No   |            | Yes | Х  | No           |   | Yes | X | No  |
| C. Selector Switch  | Н                                 | 0      | Α   |              |   | Н   | 0 | Α   | Н          | 0   | Α |              |          | Н        | 0 | Α    | Н          | 0   | Α  |              |   | Н   | 0 | Α   |
| Position Han-Off<br>Automatic (HOA)                                       |                                   |        |     |              |   |     |   |     |            |     |   |              |          |          |   |      |            |     |    |              |   |     |   |     |
| D. Liquid Level in<br>Sump pump   | Н                                 | L      | 0   | ]            |   |     |   |     | Н          | L.  | 0 | ]            |          |          |   |      | Н          | L   | 0  |              |   |     |   |     |
| E. Leak in Manifold<br>Piping   |                                   | Yes    | X   | No           |   |     |   |     |            | Yes | X | No           |          |          |   |      |            | Yes | X  | No           |   |     |   |     |
|   | Pum                               | ps     |     | ETM          |   |     |   |     | Pum        | ps  |   | ETM          |          |          |   |      | Pum        | ıps |    | ETM          |   |     |   |     |
|   | P-1<br>P-2                        |        |     | 1306<br>1706 |   |     |   |     | P-1<br>P-2 |     |   | 1638<br>1469 |          |          |   |      | P-1<br>P-2 |     |    | 4235<br>4093 |   |     |   |     |
| P-2 17069.6 P-2 14694.3  P-2 40935.9    2. Downgradient and Curtain Drain |                                   |        |     |              |   |     |   |     |            |     |   |              |          |          |   |      |            |     |    |              |   |     |   |     |
| A. Is there settlement along alignment of downgradient Curtain drain      |                                   |        |     |              |   |     |   |     |            |     |   |              |          |          |   |      |            |     |    |              |   |     |   |     |
| 3. D-1 Forcemain Flow Totalizer 581,647 x 100 =                           |                                   |        |     |              |   |     |   |     |            |     |   |              |          |          |   |      |            |     |    |              |   |     |   |     |

4. D-1 Forcemain Pressure

| 3. | LIFT STATION NO. 1  |                      |                        |
|----|---|----------------------|------------------------|
| В. | Flow from Curtain Drain  Are Sump Pumps Operating  Alarm indicator Lights   | Normal<br>Yes<br>Yes | X High<br>X No<br>X No |
|    | Pumps ETM High Temp P-1 2908.5 P-2 2812.7   | Seal Fail            | Fault                  |
|    | Check liquid level in sump Low Check for leak in manifold leachate piping   | X High<br>Yes        | Other X No             |
| 4. | LIFT STATION NO. 2  |                      |                        |
| В. | Settlement along buried section of forcemain<br>Are sump pumps operating<br>Are the alarms or indicator lights on                                       | High<br>High<br>Yes  | X No<br>X No<br>No     |
|    | Pumps ETM High Temp P-1 877.3 P-2 1301.3  | Seal Fail            | Fault                  |
| D. | Check liquid level around stop planks Is the level,   | <b>X</b> High        | Other                  |
| F. | Any leaks in the manifold discharge piping Check surface water in the Bay and Rip-Rap Are there any signs of leachate Check if a pump is out of service | Yes Yes Pump 1       | X No<br>Pump 2         |
|    | DECONTAMINATION TRAILER   |                      |                        |
|    | Is the trailer clean/sanitary Is sump pump operating  Yes Yes   | X No                 |                        |

| 6. | DECONTAMINATION PAD/TRU   | CK FILL AREA | AND SUMP               |                                       |
|----|---|--------------|------------------------|---------------------------------------|
| В. | Flow through sump weep holes<br>Are Sump Pumps Operating<br>Alarm indicator Lights                    | Low          | X Normal<br>Yes<br>Yes | High X No No                          |
|    | Pumps ETM<br>P-1 21033.9<br>P-2 22065.0   | High Temp    | Seal Fail              | Fault                                 |
| E. | Check Decon-Area for leachate<br>Check for leak in manifold discha<br>Check if pump is out of service |              | rel perimeter Ye       | · · · · · · · · · · · · · · · · · · · |
| F. | Truck Fill Totalizer 853743   |              |                        |                                       |
| 7. | LEACHATE STORAGE CONTAI   | NMENT AREA   | AND SUMP               |                                       |
| В. | Flow through sump weep holes<br>Are sump pumps operating<br>Alarm indicator Lights                    | Low          | X Normal<br>Yes<br>Yes | High X No X No                        |
|    | Pumps ET <b>M</b><br>P-1 1970.2<br>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 to manifold discharge piping   | anks and     | X Yes                  | No                                    |
| G. | Check if a pump is out of service   | :            | X Pump 1               | Pump 2                                |
| 8. | CARBON ADSROPTION SYSTE   | М            |                        |                                       |
|    | Air Compressors on Activated carbon canisters opera (On Line)  ETM Blower 1 30806.5                   | ting ,       | Yes Yes                | X No                                  |
| 9. | Blower 2 CONTRACT HP-877 FORCE MA   | IN DISCHARG  | E TO POTW              |                                       |
|    |   |              |                        | V Vac                                 |
|    | Leakage from pipwork in valve be<br>Settlement along alignment of for                                 |              |                        | e X Yes No                            |

| 10. MOT   | OR CONTROL CEN   | TER (MCC)           |  |                          |
|-----------|--|---------------------|--|--------------------------|
| A. Are al | ll breakers, for the following Lift Station No. 1 Lift Station No. 2 Decontamination S Storage Containme Site Lighting | ump                 | the ON position  X Yes  X Yes  X Yes  X Yes  X Yes  X Yes  X Yes | n: No No No No No No     |
| 11. SEC   | URITY TRAILER AND  | FENCING             |  |                          |
| A. Sign-l | n-Review Visitors log  | and Check-In with ( | Saurds   | X Yes                    |
|           | ccleanliness of trailer<br>er clean  |                     | X Yes  | No                       |
|           | Collection System A<br>e Tank Levels:  | larm Panel<br>N/A   | 1/4  | 1/2 3/4 Full             |
| Alarm     | Indicators:<br>Lift Stations<br>Sumps<br>Storage Tanks   |                     | Yes No   |                          |
|           | security fencing surro<br>condition  | unding the equipme  | nt in<br>Yes   | XNo                      |
| Notes:    | For noted deficienci   |                     | ovide descriptio   | n on form DP-1. Attached |

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

| Date:   | 1   | 11/17/ | <u>/2003</u> | 3    |     |       |   |     |     |          |   |      |     |     |    | Init | ials |     | K | //B  |     |     |   |     |
|---|-----|--------|--------------|------|-----|-------|---|-----|-----|----------|---|------|-----|-----|----|------|------|-----|---|------|-----|-----|---|-----|
| 1. Downgradient D-1 Collection Sumps                      |     |        |              |      |     |       |   |     | I   | D-8 D-10 |   |      |     |     | 10 |      |      |     |   |      |     |     |   |     |
|   |     | Pum    | 1p 1         |      | Р   | ump : | 2 |     |     |          |   |      |     |     |    |      |      |     |   |      |     |     |   |     |
| A. Circuit Breakers                                       | X   | On     |              | Off  | X   | On    |   | Off | Х   | On       |   | Off  | X   | On  |    | Off  | Х    | On  |   | Off  | X   | On  |   | Off |
| B. Running Light On                                       |     | Yes    | X            | No   |     | Yes   | X | No  |     | Yes      | X | No   |     | Yes | X  | No   |      | Yes | Χ | No   |     | Yes | X | No  |
| C. Selector Switch<br>Position Han-Off<br>Automatic (HOA) | Н   | 0      | Α            |      |     | Н     | 0 | Α   | Н   | 0        | Α |      |     | Н   | 0  | Α    | Н    | 0   | Α |      |     | н   | 0 | Α   |
| D. Liquid Level in<br>Sump pump                           | Н   | L      | 0            |      |     |       |   |     | Н   | L        | 0 | ]    |     |     |    |      | н    | L   | 0 | ]    |     |     |   |     |
| E. Leak in Manifold<br>Piping                             |     | Yes    | X            | No   |     |       |   |     |     | Yes      | X | No   |     |     |    |      |      | Yes | X | No   |     |     |   |     |
| . 0   | Pum | ps     |              | ETM  |     |       |   |     | Pum | ps       |   | ETM  |     |     |    |      | Pum  | ps  |   | ETM  |     |     |   |     |
|   | P-1 |        |              | 1307 |     |       |   |     | P-1 |          |   | 1638 |     |     |    |      | P-1  |     |   | 4237 | 0.5 |     |   |     |
|   | P-2 |        |              | 1706 | 9.6 |       |   |     | P-2 |          |   | 1469 | 4.3 |     |    |      | P-2  |     |   | 4094 | 7.7 |     |   |     |
| Downgradient and<br>Curtain Drain                         |     |        |              |      |     |       |   |     |     |          |   |      |     |     |    |      |      |     |   |      |     |     |   |     |
| A. Is there settlement along alignment of downgradient    |     |        |              |      |     |       |   |     |     |          |   |      |     |     |    |      |      |     |   |      |     |     |   |     |
| 3. D-1 Forcemain Flow Totalizer 581,647 x 100 =           |     |        |              |      |     |       |   |     |     |          |   |      |     |     |    |      |      |     |   |      |     |     |   |     |

\$. D-1 Forcemain Pressure

| 3. | LIFT STATION NO. 1   |                    |                      |                        |
|----|--|--------------------|----------------------|------------------------|
| В. | Flow from Curtain Drain<br>Are Sump Pumps Operating<br>Alarm indicator Lights  | Low                | Normal<br>Yes<br>Yes | X High<br>X No<br>X No |
|    | Pumps ETM<br>P-1 2912.2<br>P-2 2812.7  | High Temp          | Seal Fail            | Fault                  |
|    | Check liquid level in sump<br>Check for leak in manifold lead  | Low<br>hate piping | X High<br>Yes        | Other No               |
| 4. | LIFT STATION NO. 2   |                    |                      |                        |
| B. | Settlement along buried section<br>Are sump pumps operating<br>Are the alarms or indicator light   |                    | High<br>High<br>Yes  | X No<br>X No<br>X No   |
|    | Pumps ET <b>M</b><br>P-1 877.3<br>P-2 1301.3   | High Temp          | Seal Fail            | Fault                  |
| D. | Check liquid level around stop page 18 the level,  | olanks<br>Low      | X High               | Other                  |
| F. | Any leaks in the manifold discha<br>Check surface water in the Bay<br>Are there any signs of leachate<br>Check if a pump is out of service | and Rip-Rap        | Yes Yes Pump 1       | X No<br>X No<br>Pump 2 |
| 5. | DECONTAMINATION TRAILER  | ₹ ,                |                      |                        |
|    | Is the trailer clean/sanitary Is sump pump operating   | Yes<br>Yes         | X No                 |                        |

| 6. DECONTAMINATION PAD/TRUCK FILL AREA AND SUMP |   |                                   |  |  |  |  |  |  |  |  |  |  |  |
|---|---|-----------------------------------|--|--|--|--|--|--|--|--|--|--|--|
| В.  | Flow through sump weep holes  Are Sump Pumps Operating  Alarm indicator Lights  | W X Normal High Yes X No Yes X No |  |  |  |  |  |  |  |  |  |  |  |
|   | Pumps ETM High Temp P-1 21033.9 P-2 22065.0   | Seal Fail Fault                   |  |  |  |  |  |  |  |  |  |  |  |
| E.  | Check Decon-Area for leachate flow out of check for leak in manifold discharge piping Check if pump is out of service | gravel perimeter Yes X No P-1 P-2 |  |  |  |  |  |  |  |  |  |  |  |
| F.  | Truck Fill Totalizer 853743   |                                   |  |  |  |  |  |  |  |  |  |  |  |
| 7.  | LEACHATE STORAGE CONTAINMENT AR   | REA AND SUMP                      |  |  |  |  |  |  |  |  |  |  |  |
| B.  | Flow through sump weep holes  Are sump pumps operating  Alarm indicator Lights  | W X Normal High Yes X No Yes X No |  |  |  |  |  |  |  |  |  |  |  |
|   | Pumps ETM High Temp<br>P-1 1970.2<br>P-2 3353.1   | Seal Fail Fault                   |  |  |  |  |  |  |  |  |  |  |  |
| D.  | Check liquid level in sump  | W 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)  ETM  Blower 1 30806.5                              | Yes X No                          |  |  |  |  |  |  |  |  |  |  |  |
| 9.  | Blower 2 CONTRACT HP-877 FORCE MAIN DISCHA  | RGE TO POTW                       |  |  |  |  |  |  |  |  |  |  |  |
|   | Leakage from pipwork in valve box beside Li<br>Settlement along alignment of forcemain to E                           |                                   |  |  |  |  |  |  |  |  |  |  |  |

A-3

| 10. MOT   | OR CONTROL CEN   | TER (MCC)           |   |                           |
|-----------|--|---------------------|---|---------------------------|
| A. Are al | Il breakers, for the foll<br>Lift Station No. 1<br>Lift Station No. 2<br>Decontamination S<br>Storage Containme<br>Site Lighting | ump                 | the ON positio  X Yes  X Yes  X Yes  X Yes  X Yes  X Yes  X Yes | n: No No No No No No      |
| 11. SEC   | URITY TRAILER AND  | FENCING             |   |                           |
| A. Sign-I | n-Review Visitors log  | and Check-In with 0 | Saurds  | X Yes                     |
|           | c cleanliness of trailer<br>er clean   |                     | X Yes   | No                        |
|           | k Collection System A<br>ge Tank Levels:   | larm Panel<br>N/A   | 1/4   | 1/2 3/4Full               |
| Alarm     | Indicators:<br>Lift Stations<br>Sumps<br>Storage Tanks   |                     | Yes N   | 0                         |
|           | security fencing surro<br>condition  | ounding the equipme | ent inYes   | XNo                       |
| Notes:    | For noted deficienc  |                     | ovide description   | on on form DP-1. Attached |

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

| Date:  | 11/21/2003 |          |     |        |   |     | Initials |     |   |       |     |     |   |     | ials |     | KI | ИΒ   |     |     |   |      |
|--|------------|----------|-----|--------|---|-----|----------|-----|---|-------|-----|-----|---|-----|------|-----|----|------|-----|-----|---|------|
| Downgradient     Collection Sumps                                    | I          | D        | -1  |        |   |     | l        |     |   | D-    | 8   |     |   |     | ı    |     |    | D-   | 10  |     |   | ı    |
| •  | Pump 1     |          |     | Pump 2 |   |     |          |     |   |       |     |     |   |     |      |     |    |      |     |     |   |      |
| A. Circuit Breakers  | X On       | Off      | X   | On     |   | Off | X        | On  |   | Off   | X   | On  |   | Off | Х    | On  |    | Off  | Χ   | On  |   | Off  |
| B. Running Light On  | Yes        | X No     |     | Yes    | Х | No  |          | Yes | X | No    |     | Yes | X | No  | ļ    | Yes | Х  | No   |     | Yes | Х | No   |
| 2  |            | 71   110 |     |        |   |     |          |     |   |       | _   |     |   | 110 |      |     |    | 1110 |     | 103 | ^ | -140 |
| C. Selector Switch   | H O        | Α        |     | Н      | 0 | Α   | Н        | 0   | Α |       |     | Н   | 0 | Α   | Н    | 0   | Α  |      |     | Н   | 0 | Α    |
| Position Han-Off<br>Automatic (HOA)                                  |            |          |     |        |   |     |          |     |   |       |     |     |   |     |      |     |    |      |     |     |   |      |
| D. Liquid Level in<br>Sump pump                                      | H L        | 0        |     |        |   |     | Н        | Ĺ   | 0 | ]     |     |     |   |     | Н    | L   | 0  | ]    |     |     |   |      |
| E. Leak in Manifold<br>Piping  | Yes        | X No     |     |        |   |     |          | Yes | X | No    |     |     |   |     |      | Yes | X  | No   |     |     |   |      |
| . •  | Pumps      | ETM      |     |        |   |     | Pum      | ps  |   | ETM   |     |     |   |     | Pum  | ps  |    | ЕТМ  |     |     |   |      |
|  | P-1        | 1308     | 3.0 |        |   |     | P-1      |     |   | 16386 | 6.5 |     |   |     | P-1  | •   |    | 4237 | 2.7 |     |   |      |
|  | P-2        | 1708     | 3.7 |        |   |     | P-2      |     |   | 14713 | 3.2 |     |   |     | P-2  |     |    | 4095 | 1.0 |     |   | - 1  |
| Downgradient and     Curtain Drain                                   |            |          |     |        |   |     |          |     |   |       |     |     |   |     |      |     |    |      |     |     |   |      |
| A. Is there settlement along alignment of downgradient curtain drain |            |          |     |        |   |     | ·        | Yes | X | No    |     |     |   |     |      |     |    |      |     |     |   |      |

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

3. D-1 Forcemain Flow Totalizer

\$. D-1 Forcemain Pressure

A-1

582,054 x 100 =

| 3. | LIFT STATION NO. 1  |                    |                      |                        |
|----|---|--------------------|----------------------|------------------------|
| В. | Flow from Curtain Drain<br>Are Sump Pumps Operating<br>Alarm indicator Lights   | Low                | Normal<br>Yes<br>Yes | X High<br>X No<br>X No |
|    | Pumps ETM<br>P-1 2925.1<br>P-2 2816.3   | High Temp          | Seal Fail            | Fault                  |
|    | Check liquid level in sump<br>Check for leak in manifold leac   | Low<br>hate piping | X High<br>Yes        | Other No               |
| 4. | LIFT STATION NO. 2  |                    |                      |                        |
| В. | Settlement along buried section<br>Are sump pumps operating<br>Are the alarms or indicator light                                      |                    | High<br>High<br>Yes  | X No<br>X No<br>X No   |
|    | Pumps ETM<br>P-1 877.3<br>P-2 1301.3  | High Temp          | Seal Fail            | Fault                  |
| D. | Check liquid level around stop plus the level,  | planks<br>Low      | X High               | Other                  |
| F. | Any leaks in the manifold discharge Check surface water in the Bay Are there any signs of leachate Check if a pump is out of service. | and Rip-Rap        | Yes Yes Pump 1       | X No<br>X No<br>Pump 2 |
| 5. | DECONTAMINATION TRAILER   | ,<br>R             |                      |                        |
| Α. | Is the trailer clean/sanitary Is sump pump operating  | Yes Yes            | X No<br>X No         |                        |

| 6. | DECONTAMINATION PAD/TRU  | CK FILL AREA | AND SUMP               |                |
|----|--|--------------|------------------------|----------------|
| В. | Flow through sump weep holes<br>Are Sump Pumps Operating<br>Alarm indicator Lights                         | Low          | X Normal<br>Yes<br>Yes | High X No X No |
|    | Pumps ETM<br>P-1 34974.8<br>P-2 22065.0  | High Temp    | Seal Fail              | Fault          |
| E. | Check Decon-Area for leachate to<br>Check for leak in manifold dischate<br>Check if pump is out of service |              | el perimeter Ye        |                |
| F. | Truck Fill Totalizer 853743  |              |                        |                |
| 7. | LEACHATE STORAGE CONTAIN   | NMENT AREA   | AND SUMP               |                |
| В. | Flow through sump weep holes<br>Are sump pumps operating<br>Alarm indicator Lights                         | Low          | X Normal<br>Yes<br>Yes | High X No X No |
|    | Pumps ETM<br>P-1 1970.2<br>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 ta<br>manifold discharge piping   | nks and      | X Yes                  | No             |
| G. | Check if a pump is out of service  | •            | X Pump 1               | Pump 2         |
| 8. | CARBON ADSROPTION SYSTE  | M            |                        |                |
| В. | Air Compressors on Activated carbon canisters operat (On Line)  ETM Blower 1 30806.5 Blower 2              | ,            | Yes Yes                | X No           |
| 9. | CONTRACT HP-877 FORCE MA   | IN DISCHARG  | E TO POTW              |                |
|    | Leakage from pipwork in valve bo<br>Settlement along alignment of fore                                     |              |                        | Yes No         |

A-3

| 10. MOT   | OR CONTROL CENT   | ER (MCC)            |   |                          |
|-----------|---|---------------------|---|--------------------------|
| A. Are a  | Il breakers, for the follow<br>Lift Station No. 1<br>Lift Station No. 2<br>Decontamination Sur<br>Storage Containmen<br>Site Lighting | mp                  | the ON position  X Yes  Yes  Yes  X Yes  Yes  X Yes  Yes  Yes | No No No No              |
| 11. SEC   | URITY TRAILER AND   | FENCING             |   |                          |
| A. Sign-l | n-Review Visitors log a   | and Check-In with G | aurds   | X Yes                    |
|           | c cleanliness of trailer<br>er clean  |                     | X Yes   | No                       |
|           | k Collection System Ala<br>ge Tank Levels:  | arm Panel<br>N/A    | 1/4   | ] 1/2 3/4Full            |
| Alarm     | Indicators:<br>Lift Stations<br>Sumps<br>Storage Tanks  |                     | Yes No  |                          |
|           | security fencing surrou<br>condition  | nding the equipmer  | nt in<br>Yes  | X No                     |
| Notes:    | For noted deficiencie additional sheets if ne   |                     | vide description  | n on form DP-1. Attached |

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

(REFERENCE VOLUME III SECTION 4)

| Date:   | 1        | 1/24/ | 2003 | 3    |     |     |   |     |     |     |   |       |     |     |   | Init | ials |     | KI | MB   |     |     |   |     |
|---|----------|-------|------|------|-----|-----|---|-----|-----|-----|---|-------|-----|-----|---|------|------|-----|----|------|-----|-----|---|-----|
| Downgradient     Collection Sumps   | I        |       |      | D    | -1  |     |   |     | l   |     |   | D-8   | 8   |     |   |      |      |     |    | D-   | 10  |     |   | ı   |
| •   |          | Pum   | р 1  |      |     | ump | 2 |     |     |     |   |       |     |     |   |      |      |     |    |      |     |     |   |     |
| <ul> <li>A. Circuit Breakers</li> </ul>   | <u> </u> | On    |      | Off  | X   | On  |   | Off | X   | On  |   | Off   | X   | On  |   | Off  | X    | On  |    | Off  | X   | On  |   | Off |
| B. Running Light On   |          | Yes   | X    | No   |     | Yes | Х | No  |     | Yes | X | No    |     | Yes | X | No   |      | Yes | X  | No   |     | Yes | X | No  |
| C. Selector Switch  | н        | 0     | Α    |      |     | Н   | 0 | Α   | Н   | 0   | Α |       |     | н   | 0 | Α    | Н    | 0   | Α  |      |     | Н   | 0 | Α   |
| Position Han-Off<br>Automatic (HOA)   |          |       |      |      |     |     |   |     |     |     |   |       |     |     |   |      |      |     |    |      |     |     |   |     |
| D. Liquid Level in<br>Sump pump   | Н        | L     | 0    |      |     |     |   |     | Н   | L   | 0 | ]     |     |     |   |      | Н    | L   | 0  | ]    |     |     |   |     |
| E. Leak in Manifold<br>Piping   |          | Yes   | X    | No   |     |     |   |     |     | Yes | X | No    |     |     |   |      |      | Yes | X  | No   |     |     |   |     |
|   | Pum      | ps    |      | ETM  |     |     |   |     | Pun | nps |   | ETM   |     |     |   |      | Pum  | ps  |    | ETM  |     |     |   |     |
|   | P-1      |       |      | 1310 |     |     |   |     | P-1 |     |   | 16386 |     |     |   |      | P-1  |     |    | 4241 |     |     |   |     |
|   | P-2      |       |      | 1710 | 9.5 |     |   |     | P-2 |     |   | 14713 | 3.2 |     |   |      | P-2  |     |    | 4096 | 0.5 |     |   | ı   |
| Downgradient and<br>Curtain Drain   |          |       |      |      |     |     |   |     |     |     |   |       |     |     |   |      |      |     |    |      |     |     |   |     |
| A. Is there settlement along alignment of downgradient  Yes X No  curtain drain |          |       |      |      |     |     |   |     |     |     |   |       |     |     |   |      |      |     |    |      |     |     |   |     |

3. D-1 Forcemain Flow Totalizer

583,464 x 100 =

\$. D-1 Forcemain Pressure

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

A-1

| 3. | LIFT STATION NO. 1   |                      |                        |
|----|--|----------------------|------------------------|
| В. | Flow from Curtain Drain  Are Sump Pumps Operating  Alarm indicator Lights  | Normal<br>Yes<br>Yes | X High<br>X No<br>X No |
|    | Pumps ETM High Temp P-1 2942.3 P-2 2816.7  | Seal Fail            | Fault                  |
|    | Check liquid level in sump Low Check for leak in manifold leachate piping  | X High<br>Yes        | Other No               |
| 4. | LIFT STATION NO. 2   |                      |                        |
| B. | Settlement along buried section of forcemain<br>Are sump pumps operating<br>Are the alarms or indicator lights on  | High<br>High<br>Yes  | X No<br>X No<br>X No   |
|    | Pumps ETM High Temp P-1 878.7 P-2 1302.7   | Seal Fail            | Fault                  |
| D. | Check liquid level around stop planks Is the level, Low  | <b>X</b> High        | Other                  |
| F. | Any leaks in the manifold discharge piping<br>Check surface water in the Bay and Rip-Rap<br>Are there any signs of leachate<br>Check if a pump is out of service | Yes Yes Pump 1       | X No X No Pump 2       |
| 5. | DECONTAMINATION TRAILER  |                      |                        |
|    | Is the trailer clean/sanitary Is sump pump operating  Yes Yes  | X No<br>X No         |                        |

| 6. | DECONTAMINATION PAD/TRU  | JCK FILL AREA | A AND SUMP             |                      |            |
|----|--|---------------|------------------------|----------------------|------------|
| B. | Flow through sump weep holes<br>Are Sump Pumps Operating<br>Alarm indicator Lights                                   | Low           | X Normal<br>Yes<br>Yes | High<br>X No<br>X No |            |
|    | Pumps ETM<br>P-1 34991.6<br>P-2 22065.0  | High Temp     | Seal Fail              | Fault                |            |
| E. | Check Decon-Area for leachate<br>Check for leak in manifold disch<br>Check if pump is out of service                 | •             | vel perimeter Ye       |                      |            |
| F. | Truck Fill Totalizer 853743  |               |                        |                      |            |
| 7. | LEACHATE STORAGE CONTA   | INMENT AREA   | AND SUMP               |                      |            |
| В. | Flow through sump weep holes<br>Are sump pumps operating<br>Alarm indicator Lights                                   | Low           | X Normal<br>Yes<br>Yes | High<br>X No<br>X No |            |
|    | Pumps ET <b>M</b> P-1 1970.2 P-2 3353.1  | High Temp     | Seal Fail              | Fault                |            |
| D. | Check liquid level in sump   | Low           | High                   | X Other              |            |
|    | Is there any leak in the storage t<br>manifold discharge piping  | anks and      | X Yes                  | No                   |            |
| G. | Check if a pump is out of service  | <b>e</b> :    | X Pump 1               | Pump 2               |            |
| 8. | CARBON ADSROPTION SYSTI  | EM            |                        |                      |            |
| B. | Air Compressors on Activated carbon canisters opera (On Line) ETM Blower 1 30806.5 Blower 2 CONTRACT HP-877 FORCE MA | ,             | Yes Yes E TO POTW      | X No                 |            |
|    | Leakage from pipwork in valve b<br>Settlement along alignment of fo  |               |                        | e X Yes              | No<br>X No |

A-3

| 10. MOT  | FOR CONTROL CENT  | ER (MCC)                              |   |                          |
|----------|---|---------------------------------------|---|--------------------------|
| A. Are a | Il breakers, for the follo<br>Lift Station No. 1<br>Lift Station No. 2<br>Decontamination Su<br>Storage Containmer<br>Site Lighting | ımp                                   | the ON positio  X Yes X Yes X Yes X Yes X Yes X Yes X Yes | n: No No No No No No     |
| 11. SEC  | URITY TRAILER AND   | FENCING                               |   |                          |
| A. Sign- | In-Review Visitors log  | and Check-In with G                   | aurds   | X Yes                    |
|          | k cleanliness of trailer<br>ler clean   |                                       | X Yes   | No                       |
|          | k Collection System Al<br>ge Tank Levels:   | arm Panel<br>N/A                      | 1/4   | 1/2 3/4Full              |
| Alarm    | Indicators:<br>Lift Stations<br>Sumps<br>Storage Tanks  |                                       | Yes No  |                          |
|          | security fencing surrous condition  | unding the equipmer                   | nt in<br>Yes  | X No                     |
| Notes:   | For noted deficiencie additional sheets if r  | · · · · · · · · · · · · · · · · · · · | vide descriptio   | n on form DP-1. Attached |

#### FORM GWL-1

#### WEEKLY (TWICE WEEKLY) O & M INSPECTION CHECKLIST GROUNDWATER/LEACHATE MANAGEMENT SYSTEM PELHAM BAY LANDFILL

### (REFERENCE VOLUME III SECTION 4)

| Date:  | 1    | 1/26/2 | 2003           | 3      |     |     |   |      |          |     |     |         |     |      |   | Init    | ials     |     | K        | МВ   |     |     |   |     |
|--|------|--------|----------------|--------|-----|-----|---|------|----------|-----|-----|---------|-----|------|---|---------|----------|-----|----------|------|-----|-----|---|-----|
| Downgradient     Collection Sumps                                | l    |        |                | D      | -1  |     |   |      | I        |     |     | D       | -8  |      |   |         |          |     |          | D-   | 10  |     |   | ı   |
| •  |      | Pump   | o 1            |        | F   | ump | 2 |      |          |     |     |         |     |      |   |         |          |     |          |      |     |     |   |     |
| A. Circuit Breakers  |      | On     |                | Off    | Χ   | On  |   | Off  | X        | On  |     | Off     | X   | On   |   | Off     | X        | On  |          | Off  | Χ   | On  |   | Off |
| D. Domester Hight On   |      | 7      | <del>U</del> T | NI.    |     | [V] |   | LAIR | _        | IV  | v   | l Nia I |     | Iv I |   | - N. I. |          | I   |          | T. T |     |     |   |     |
| B. Running Light On  |      | Yes    | <u> </u>       | No     |     | Yes | X | No   | $\vdash$ | Yes | _ X | No      |     | Yes  | X | No      | <u> </u> | Yes | <u> </u> | No   |     | Yes | X | No  |
| C. Selector Switch   | нТ   | οТ     | A              | $\neg$ |     | Н   | 0 | Α    | Н        | О   | Α   |         |     | ТНТ  | 0 | Α       | Н        | О   | A        | ГТ   | _   | НТ  | 0 | Α   |
| Position Han-Off<br>Automatic (HOA)                              |      | -      |                |        |     |     |   |      |          |     |     |         |     |      |   |         |          |     |          |      |     |     |   |     |
| D. Liquid Level in<br>Sump pump                                  | н    | LΤ     | Ō              |        |     |     |   |      | Н        | L   | 0   | ]       |     |      |   |         | Н        | L   | 0        | ]    |     |     |   |     |
| E. Leak in Manifold<br>Piping                                    |      | Yes    | Х              | Ño     |     |     |   |      |          | Yes | X   | No      |     |      |   |         |          | Yes | X        | No   |     |     |   |     |
|  | Pump | s      | - 1            | ETM    |     |     |   |      | Pum      | nps |     | ETM     |     |      |   |         | Pum      | ps  |          | ЕТМ  |     |     |   |     |
|  | P-1  |        |                | 13116  | 6.5 |     |   |      | P-1      |     |     | 1638    | 6.5 |      |   |         | P-1      | -   |          | 4241 | 3.4 |     |   |     |
|  | P-2  |        |                | 1711   | 7.8 |     |   |      | P-2      |     |     | 1471    | 3.2 |      |   |         | P-2      |     |          | 4096 | 0.5 |     |   |     |
| Downgradient and     Curtain Drain                               |      |        |                |        |     |     |   |      |          |     |     |         |     |      |   |         |          |     |          |      |     |     |   |     |
| A. Is there settlement along alignment of downgradient  Yes X No |      |        |                |        |     |     |   |      |          |     |     |         |     |      |   |         |          |     |          |      |     |     |   |     |

3. D-1 Forcemain Flow Totalizer

583,839 x 100 =

\$. 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 Operating Alarm indicator Lights  | Low Norma Yes Yes        | X High<br>X No<br>X No |
|    | Pumps ETM High <b>T</b> e<br>P-1 2943.9<br>P-2 2816.7  | mp Seal Fail             | Fault                  |
|    | Check liquid level in sump Check for leak in manifold leachate pipin   | Low X High Yes           | Other No               |
| 4. | LIFT STATION NO. 2   |                          |                        |
| В. | Settlement along buried section of forcer<br>Are sump pumps operating<br>Are the alarms or indicator lights on | nain High<br>High<br>Yes | X No<br>X No<br>No     |
|    | Pumps ETM High Ter<br>P-1 878.7<br>P-2 1302.7  | mp Seal Fail             | Fault                  |
| D. | Check liquid level around stop planks Is the level,  | Low X High               | Other                  |
|    | Any leaks in the manifold discharge pipin<br>Check surface water in the Bay and Rip-F                          |                          | X No                   |
|    | Are there any signs of leachate Check if a pump is out of service  | Yes Pump                 | X No<br>Pump 2         |
| 5. | DECONTAMINATION TRAILER  |                          |                        |
|    | , <u> </u>   | Yes X No                 |                        |

| 6. DEC  | CONTAMINATIO   | ON PAD/TRI                | JCK FILL AREA                         | A AND SUMP                   |                    |      |
|---------|--|---------------------------|---------------------------------------|------------------------------|--------------------|------|
| B. Are  | w through sump<br>Sump Pumps (<br>rm indicator Ligl      | Operating                 | Low                                   | X Normal<br>Yes<br>Yes       | High X No No       |      |
|         | Pumps<br>P-1<br>P-2                                      | ETM<br>34991.6<br>22065.0 | High Temp                             | Seal Fail                    | Fault              |      |
| E. Che  | eck Decon-Area<br>eck for leak in m<br>eck if pump is ou | anifold disch             | e flow out of grav<br>narge piping    | vel perimeter Ye             |                    |      |
| F. Truc | k Fill Totalizer   | 853743                    |                                       |                              |                    |      |
| 7. LEA  | CHATE STOR   | AGE CONTA                 | INMENT AREA                           | AND SUMP                     |                    |      |
| B. Are  | w through sump<br>sump pumps op<br>rm indicator Ligh     | perating                  | Low                                   | X Normal<br>Yes<br>Yes       | High<br>X No<br>No |      |
|         | Pumps<br>P-1<br>P-2                                      | ETM<br>1970.2<br>3353.1   | High Temp                             | Seal Fail                    | Fault              |      |
| D. Che  | eck liquid level ir                                      | n sump                    | Low                                   | High                         | X Other            |      |
|         | nere any leak in<br>nifold discharge                     |                           | tanks and                             | X Yes                        | No                 |      |
| G. Che  | eck if a pump is   | out of servic             | e ·                                   | X Pump 1                     | Pump 2             |      |
| 8. CAF  | RBON ADSROP  | TION SYST                 | EM                                    |                              |                    |      |
| B. Acti | Compressors or<br>vated carbon ca<br>Line)               | nisters oper<br>ETM       | ating ,                               | Yes Yes                      | X No               |      |
| 9. CON  | Blower 1<br>Blower 2<br>NTRACT HP-87                     | 30806.5<br>7 FORCE M      | AIN DISCHARG                          | E TO POTW                    |                    |      |
|         |  |                           | oox beside Lift S<br>orcemain to Burr | tation No. 1<br>Avenue manho | Yes Yes            | X No |

#### 10. MOTOR CONTROL CENTER (MCC) A. Are all breakers, for the following equipment, in the ON position: Lift Station No. 1 X Yes No Lift Station No. 2 Yes Nο **Decontamination Sump** Yes No Storage Containment Sump Yes No Site Lighting Yes Νo 11. SECURITY TRAILER AND FENCING X Yes A. Sign-In-Review Visitors log and Check-In with Gaurds

| Is trailer clean  | X Yes No        |
|---|-----------------|
| C. Check Collection System Alarm Panel Storage Tank Levels: N/A | 1/4 1/2 3/4Full |
| Alarm Indicators:<br>Lift Stations<br>Sumps<br>Storage Tanks    | Yes No          |

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

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

additional sheets if necessary.

B. Check cleanliness of trailer

Severn Trent Environmental Services



Appendix C – Copy of Log Book November 2003

MALE Rounds

Pumper D-8

Pumper LS-2

flare still not starting

sprayer more areas on the IRM road

Mode rounds

pamped D-8

pamped LS-2

flare still N/6

put values on bottom of tank

form

Made rounds

Pumped D-8

pumped LS-2

flore N/6

Rainel may much of the day

11/6/03

made rounds

pumped D-8

pumped LS-2

fained on Eoff

flare N/6

mode rounds

del inspection

pumped 0-t

pumped LS-2

Ray, Pete Demeter on site

flore NKG

made rounds

pump A-t wit in service

pampel-25-2

got mice out of 25-2

flare N/6

moler Rounds did inspection

-

-

-

4

-

-

electricans of on site to look at blower left at 8:30 puroped LS-2

11/12
made rounds
pumped LS-2
rained most of the day

11/13

made rounds

pumped LS-2

very strong winds

Ray & Demetri' on site

11/14
made rounds
did inspection
pumped 25-2
Pete, Denetri, & Ray onside

made rounde 2.1 - no pechoon LS-2 breakers tripped , reset and pumped down made rounds
rained All day
Fince still down

11/19
made rounds
bought chain saw from Boston Road
took ride-on lawn mower back

flore still down

male rounds

tanks are all most full, open value

to D-1 to drain tanks faster

did inspection -

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

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TO THE PROPERTY OF

Mali made rounds pumped LS-2 Peter demetri, & ray on site Eli on site