Pelham Bay Landfill Maintenance, Repair and Monitoring Program Monthly Report NYSDEC ID Number: 203001 Bronx County New York City Department of Environmental Protection

April 2007 - Revised

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Section I – General

This monthly report covers the period from April 1, 2007 to April 30, 2007. The report contains information in accordance with Contract No. 1140-PEL between Severn Trent Environmental Services (STES) and the NYCDEP.

The online performance of the landfill gas flare and the leachate pumping to the force main is provided below.

Landfill Gas Flare

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

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

On December 21st 2006 the gas flare flow totalizer was removed from service for repair and was returned to service on February 16th 2007. After the meter was installed the operator misread the new display and recorded elapsed time rather than instantaneous or totalized flow rate. The average daily flow readings were estimated by calculating the flare blower elapsed time over the reporting period and multiplying that by a historical average of 1,100 SCFM. Table-1, Gas Flare Totalizer Readings, included in Appendix A, provides a summary of the estimated flows.

The calculated percent run time for April 2007 was 56.21 % run time. This is based on the difference of the beginning and end of the minute time clock readings for the month divided by the total minutes between first and last days of readings for the month.

Total Flow (cuft)	45,967,863
Average Daily Flow (cuft)	1,532,262
Min Daily Flow (cuft)	555,720
Max Daily Flow (cuft)	2,302,300

Leachate Pumping to Force Main

The leachate collection and disposal system was designed for the removal of leachate from the landfill in order to protect the groundwater from contamination and limit discharges into the surrounding environment. Leachate is collected by a combination of a down gradient collector drain, collection manholes and collection sumps, curtain drain, lift stations, and storage tanks. Collected leachate stored in the holding tanks is drained to pump station D-1 which pumps through a force main to the Hunt's Point Water Pollution Control Plant. The pumps in station D-1 are controlled by level float switches. The drain line from the storage tanks to D-1 pump station is equipped with an automated valve and shut-offs to prevent the D-1 pumps from pumping to the forcemain during combined sewer overflow (CSO) events. A remote telemetry unit (RTU) receives a signal from an on-site rain gauge and the CSO event signal and is integrated with the DEP's central monitoring system.

On April 10th the flow meter appeared to be correctly totalizing the flow amounts. Total flow pumped is calculated based on recorded flow totalizer readings from the force main flow meter. The totalizer flow is calculated from the difference between the beginning of and end of April totalizer readings. This data is presented on Table-2, Pump Station D-1 Flow Totalizer Readings, which is included in Appendix A of this report.

The calculated percent run time for the pumps in D-1 is based on the minute time clock readings for the month divided by the total minutes between first and last days of readings for the month for each pump. The percent run time is calculated for D-1 pump number 1 is 35.02 % and pump number 2 is 11.98%.

Total Flow (Gallons)	977,810
Average Daily Flow (GPD)	32,594
Min Daily Flow (GPD)	0
Max Daily Flow (GPD)	100,000

Section II- Summary of the Testing Program Results

Landfill Gas Monthly Monitoring

The 22 landfill gas extraction wells and the gas influent into the flare are monitored in accordance with the procedures outlined in the Operation and Maintenance Manual, Section 5 Landfill Gas Management System. Monitoring is performed monthly, and was last performed on April 20th, 2007. The readings are recorded on form LFG-2 which can be found in Appendix A of this report. Monitoring frequency is scheduled in accordance with the contract documents.

The landfill gas flare is designed to run continuously and has automatic safety shutdowns. During this reporting period the flare continued to operate as designed with periodic shutdowns. Gas concentrations at the flare inlet are just above the minimum methane concentrations to sustain continuous combustion. The methane concentration of the landfill gas has been decreasing over time as expected based on the age of the landfill. STES has adjusted valve settings on the gas extraction well to minimize well overdraw. Several gas extraction wells EW-1, EW-7, EW-11 and EW-16 with high oxygen concentrations are closed and will be returned to service if/when methane gas readings improve

Gas Monitoring Well Sampling

The four Gas Monitoring Wells are sampled following the procedures outlined in the Operation and Maintenance Manual, Section 6 subsection 6.2.1 Item 5. Samples were last collected July 19th, 2006.

Landfill Surface Gas Monitoring

There are ten landfill surface gas points identified in the Operations and Maintenance Manual, section 6, subsection 6.2.1, item 6. Monitoring was last performed June 13, 2006.

Groundwater Sampling and Elevation Monitoring

Sampling of the eleven (11) landfill groundwater monitoring wells is performed in accordance with the procedures outlined and referred to in the Operation and Maintenance Manual, Section 6, Subsection 6.2.1 Item 1. Groundwater sampling was last performed in November 2006, and was scheduled to be performed during the April 2007 reporting period, however this sampling event was postponed at the request of the DEP. At this time, Delta Well, under contract with DEP, was onsite to redevelop the wells.

Elevation monitoring of the twenty one (21) groundwater elevation locations is performed in accordance with the procedures outlined in the above referenced section of the Operations and Maintenance Manual. The monitoring was last performed in December 2006 and is scheduled to be performed during the August 2007 reporting period. Monitoring frequency is scheduled in accordance with the contract documents.

Leachate Sampling

Leachate sampling is performed in accordance with the procedures outlined in the Operation and Maintenance Manual. Section 6, sub-section 6.2.1, Item 3. Samples were last collected in November 2006 and are next scheduled to be sampled during the June 2007 reporting period. Sampling frequency is scheduled in accordance with the contract documents.

Gas Condensate Sampling

Gas condensate sampling is not a requirement as stated in the Operations and Maintenance Manual, Section 5, Subsection 5.4.2. Samples were last collected during the November 2006 reporting period. Samples are collected at the request of the DEP.

Stormwater Sampling

Stormwater samples are collected in accordance with the procedures outlined in the Operations and Maintenance Manual, Section 6, subsection 6.2.1, Item 4. Sampling was last performed in November 2006 and is next scheduled to be performed during the June 2007 reporting period. Sampling frequency is scheduled in accordance with the contract documents.

Gas Flare Exhaust Sampling

The contract documents do not state a frequency for gas flare exhaust sampling. Sampling is performed only at the request of the NYCDEP and is to be performed by a qualified stack testing firm. According to the NYCDEP, stack testing was last performed prior to the award of this contract.

Section III - Recommendations for Maintenance and Actions Taken

This section contains a system-by-system description of routine maintenance and inspection procedures. All deficiencies and recommended repair actions are included.

Operating System - Landfill Cover System

The contract requires that a monthly inspection of the landfill cover system be performed. The inspection consists of visual observations of the following: side slopes, vegetation, underlying geosynthetic and soil components, and vandalism. Side slopes were observed for deficiencies such as surface cracks, settlement, erosion, sink holes, ponding or any other observation that could lead to unstable side slopes. The cover system was observed for any signs of sparse, stressed or undesirable vegetation and damage to the underlying geosynthetic layer.

The FCS-1 inspection was performed on April 3, 2007. No deficiencies were observed and recorded. A copy of this form is included in Appendix B.

Operating System - Stormwater Management System

The contract requires that a monthly inspection of the Stormwater Management Systems be performed. The O&M Manual identifies three integral systems; SMS-1, Stormwater Drainage Ditches, SMS-2, Manholes and Baffles Outlets, and SMS-3 Sedimentation Ponds.

Stormwater Drainage Ditches and Infiltration Drainage Trenches

The SMS-1 inspection consists of visual observations of the stormwater drainage ditches and infiltration drainage trenches. Any deficiencies such as excessive vegetation, accumulation of sediments or the presence of erosion rills or depressions discovered during the inspection were recorded on the SMS-1 form and associated DP-1 form.

The SMS-1 inspection was performed on April 10, 2007. A copy of this form and associated DP-1 form are included in Appendix B.

Deficiency

Varying degrees of 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 baffled outlets. There was no evidence of washout.

Repair Action

Plans to remove vegetation are being developed and plan to be implemented during the fall of this year, to coincide with planned pond cleanout activities.

□ Manholes, HDPE Pipes and Baffles Outlets

The SMS-2 inspection consists of visual observations of the stormwater manholes and connecting piping. Deficiencies such as blockages, silt accumulation, cracking or leaking at piping connections, alignment and condition of internal structures were recorded. The baffled outlets were inspected for blockages, silt accumulation, spalling of the concrete structure and condition of handrails. No deficiencies were recorded on the SMS-2 form.

The SMS-2 inspection was performed on April 10, 2007. A copy of this form is included in Appendix B.

Sedimentation Ponds

The SMS-3 inspection consists of visual observations for excessive vegetation or silt accumulation in the ponds and for any blockages in the flow path. All deficiencies were recorded on the SMS-3 form and associated DP-1 form.

The SMS-3 inspection was performed on April 10, 2007. A copy of this form and associated DP-1 form are included in Appendix B.

Deficiency

Pond A - Silt, dense phragmite and tree growth, as well as shallow standing water were present at the bottom of the pond.

Pond B - Several feet of standing water is 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.

Pond C - Pond C had amounts of silt accumulation, dense phragmite growth, and shallow standing water in the bottom of the pond.

Repair Action

Although the ponds have an accumulation of silt and phragmite growth, they are performing to design intent. Plans to clean out the ponds are being developed. It is estimated that the corrective action should begin in the late summer through early winter of 2007.

Operating System - Groundwater/Leachate Collection System

The contract requires that twice weekly, monthly and quarterly inspections of the Groundwater/Leachate System be performed. This information is summarized on three inspections forms: GWL-1, GWL-2 and GWL-3.

Data from the electrical control panels for each of the pump and lift stations as well as levels in the sumps and the presence of leaks are recorded on the twice weekly GWL-1 form. No deficiencies were observed and recorded. Copies of these forms are included in Appendix B.

The monthly GWL-2 form is a checklist for each of the pump and lift stations as well as the gravity line manholes. The information recorded includes condition of the manhole covers, silt accumulation in each sump, evidence of settlement along the buried pipelines; and flow into each sump. The GWL-2 inspection was performed on April 10th 2007. Any deficiencies were observed and recorded. A copy of this form and associated DP-1 form are included in Appendix B.

GWL-3 inspection is performed quarterly. This is a checklist for vandalism, settlement of the well head or piezometer and accessibility to each of the groundwater monitoring wells and piezometers.

Deficiency

On the GWL-2 form, there are two deficiencies marked as NS, the manhole cover in DS-1 and silt accumulation in D-5. There are several manholes and sumps with "slight" "moderate" and "heavy". These designations were included to approximate the amount of sediment accumulation in the manholes, and are subjective readings. To clarify these terms the following applies; "Slight" indicates trace amounts of silt and does not require a remedial action, "Moderate" indicates a small accumulation of silt and the remedial action is to continue monitoring, "Heavy" indicates that the sediment has progressed to the point that it restricts flow, the remedial action is to schedule a cleanout of the manhole.

Repair Action

STES to investigate and make repair replacement determination for the DS-1 manhole cover then implement corrective action.

STES to develop scope of work and gather quotes for manhole and sump cleanouts, then implement corrective action.

Continue to observe and monitor the "slight" settlement indicated at Manhole/Sump U-4.

Operating System - Landfill Gas System

The contract requires that twice weekly, monthly and quarterly inspections of the Landfill Gas Management System be performed. This information is recorded on three inspection forms LFG-1, LFG-2 and LFG-3.

Monthly readings for methane, carbon dioxide and oxygen from each of the 22 gas extraction wells are recorded on the LFG-2 form. This inspection was performed on April 20th, 2007.

The LFG-3 inspection is performed quarterly. This is a checklist of the buried gas piping, which collects and conveys the gas generated within the landfill.

The LFG-1 inspections were performed during April 2007. No deficiencies were observed and recorded. A copy of these forms are included in Appendix B.

Operating System – Ancillary System

The contract requires monthly inspections of the Ancillary Systems be performed. This inspection includes visual observations of the access roadways within the landfill for potholes or

burrow holes, erosion, settlement, debris, loss of the crushed stone cover surface and condition of the roadside reflectors. The condition of the fence, gates and seawall are also noted. The information is recorded on the AS-1 form and any deficiencies are noted on the associated DP-1 form.

The AS-1 inspection was performed on April 3, 2007. A copy of the completed form and DP-1 form are included in Appendix B.

Deficiency

There are several problematic areas with the roads, rutting is prevalent throughout the sites roads, there are several reflectors missing, in some areas there are deep ruts that expose the weed barrier material.

There are several locations along Road A where unauthorized personnel have cut access holes through the fence or dug holes under the fence in order to gain access from adjacent Pelham Park to the western embankment outside the landfill along the Eastchester Bay. This is an ongoing issue.

Road B2 was designated "Not Satisfactory" pertaining to "Pavement Condition". The closest thing to pavement on this site is the concrete pad in the Decontamination area. The Operations and Maintenance Manual does not provide details regarding actual pavement. The site roads are of crushed rock construction and the deficiencies are clearly defined with respect to rutting, settlement and washouts. STES will regard "pavement" as the weed barrier cloth under the crushed stone and a "Not Satisfactory" rating will be assigned when the cloth has been exposed and is subjected to damage by passing vehicles.

Repair Action

Sixty tons of crushed stone was delivered to the site in March and roadway rut and hole repair was performed by STES personnel. In April, STES trimmed back the weed barrier cloth and raked the soil cover over the area near Road B2, however, these repairs are short term.

Determine the specification and quantity of missing reflectors, acquire and replace the missing reflectors once the determination is made.

Fence repairs are performed under a separate NYCDEP contract, STES will notify the NYCDEP of the problem.

Section IV – Evaluation of Site Operations

Site operations for this period consisted of completing the bi-weekly and monthly inspections, and maintaining parking lot and trailer areas. The inspections performed during this period did not uncover any new deficiencies.

The DEP's contractor, Delta Well, was onsite throughout the month to video, redevelop and repair the groundwater monitoring wells. DEP personnel were onsite on April 17th to perform a dye test at the D-1 manhole.

Please refer to Section III for a discussion of the existing deficiencies. Copies of the inspection checklists for the month of April 2007 are located in Appendix B of this report. A copy of the logbook for April 2007 is included in Appendix C.

Appendix A

- Table-1, Gas Flare Totalizer Readings
- Table-2, Pump Station D-1 Flow Totalizer Readings
- LFG-2, Monthly Landfill Gas Management System

TABLE-1 PELHAM BAY LANDFILL FLOW TOTALIZER READINGS - LANDFILL GAS FLARE

Date	Totalizer	difference	flow (cuft)*
3/31/2007		1700	1,869,523
4/1/2007	64431.1	1331	1,463,550
4/2/2007	65761.6	1472	1,618,980
4/3/2007	67233.4	1513	1,663,860
4/4/2007	68746	1184	1,301,850
4/5/2007	69929.5	1502	1,651,943
4/6/2007		1502	1,651,943
4/7/2007		1502	1,651,943
4/8/2007	74434.8	1602	1,762,090
4/9/2007	76036.7	1238	1,361,360
4/10/2007	77274.3	1727	1,899,480
4/11/2007	79001.1	1372	1,508,870
4/12/2007	80372.8	1280	1,408,477
4/13/2007		1280	1,408,477
4/14/2007		1280	1,408,477
4/15/2007	84214.1	1577	1,735,140
4/16/2007	85791.5	588	647,130
4/17/2007	86379.8	1065	1,171,280
4/18/2007	87444.6	1475	1,622,830
4/19/2007	88919.9	1472	1,619,273
4/20/2007		1472	1,619,273
4/21/2007		1472	1,619,273
4/22/2007	93336.1	1554	1,709,290
4/23/2007	94890.0	1134	1,247,510
4/24/2007	96024.1	1198	1,317,250
4/25/2007	97221.6	1597	1,757,030
4/26/2007	98818.9	505	555,720
4/27/2007		505	555,720
4/28/2007		505	555,720
4/29/2007	100334.5	2093	2,302,300
4/30/2007		2093	2,302,300

 Total Flow (cuft)
 45,967,863

 Average Daily Flow (cuft)
 1,532,262

 Min Daily Flow (cuft)
 555,720

 Max Daily Flow (cuft)
 2,302,300

^{*}due to error in logging flow meter recordings, flows are estimated

Table -2
PELHAM BAY LANDFILL
FLOW TOTALIZER READINGS - PUMP STATION D1 TO STP FORCE MAIN

Date	Totalizer	difference	Flow (GPD)
4/1/2007		134	13,400
4/2/2007	104,301	0	0
4/3/2007	104,301	0	31,974
4/4/2007	104,301	0	31,974
4/5/2007	104,301	0	21,199
4/6/2007	104,301	0	21,199
4/7/2007		0	21,199
4/8/2007		0	21,199
4/9/2007	104,301	0	21,199
4/10/2007	104,301	145	14,500
4/11/2007	104,446	134	13,400
4/12/2007	104,580	60	6,000
4/13/2007	104,640	708	70,767
4/14/2007		708	70,800
4/15/2007		708	70,800
4/16/2007	106,763	418	41,800
4/17/2007	107,181	718	71,800
4/18/2007	107,899	752	75,200
4/19/2007	108,651	450	45,000
4/20/2007	109,101	267	26,667
4/21/2007		267	26,700
4/22/2007		267	26,700
4/23/2007	109,901	0	0
4/24/2007	109,901	6	600
4/25/2007	109,907	8	800
4/26/2007	109,915	1000	100,000
4/27/2007	110,915	443	44,333
4/28/2007		443	44,300
4/29/2007		443	44,300
4/30/2007	112,245	0	0

Total Flow (Gallons)

Average Daily Flow (GPD)

Min Daily Flow (GPD)

Max Daily Flow (GPD)

977,810 32,594 0

LFG-2 MONTHLY MONITORING LANDFILLL GAS MANAGEMENT SYSTEM PELHAM BAY LANFDFILL REFERENCE VOLUME III SECTION 5

Inspector: Kevin Bruce

Date: 4/20/07

٦.		AND THE PLANE				Date	Date: 4/20/0/
Location	Concent	Concentration by % Volume	o Volume	Temp	Static	Pressure	Remarks
	Methane	CO_2	Oxygen	(F)	Pressure	Differential	
Flare Inlet	37.1	27.3	0.5	86	-1.7	+1.82	
Well Head No. 1	19.5	14.2	6.3	89	-0.4	+0.48	Wells off
Well Head No. 2	17.9	15.7	0.0	80	-0.9	+0.60	
Well Head No. 3	13.6	19.1	0.0	78	-1.1	+0.96	
Well Head No. 4	68.1	31.8	0.0	89	9.0-	+0.55	
Well Head No. 5	63.3	39.5	9.0	112	-1.3	+0.93	
Well Head No. 6	28.2	18.4	0.8	79	-1.1	+0.91	
Well Head No. 7	27.7	17.5	6.7	62	-0.6	+0.52	Wells off
Well Head No. 8	56.3	30.8	1.1	91	-1.7	+1.84	
Well Head No. 9	43.7	26.1	1.0	101	-2.2	+1.98	
Well Head No. 10	20.4	19.6	1.4	9/	-2.3	+2.88	
Well Head No. 11	12.3	9.1	9.6	71	-0.4	+0.82	Wells off
Well Head No. 12	33.8	22.8	1.0	68	-1.4	+1.36	
Well Head No. 13	27.9	23.6	0.4	98	-2.1	+2.22	
Well Head No. 14	21.1	17.5	1.5	78	-1.4	+1.29	
Well Head No. 15	65.2	39.1	6.0	121	-1.1	+1.10	
Well Head No. 16	0.5	0.0	20.5	70	-0.0	+0.25	Wells off
Well Head No. 17	56.1	35.5	0.5	119	-1.3	+1.45	
Well Head No. 18	31.2	21.0	0.3	72	-0.9	+0.85	
Well Head No. 19	22.6	17.3	6.0	72	-0.4	+0.44	
Well Head No. 20	39.4	22.6	0.0	66	8.0-	+0.89	
Well Head No. 21	38.2	25.7	0.7	77	-1.3	+1.32	
Well Head No. 22	26.4	18.1	2.7	70	-0.2	+0.20	

Appendix B

Inspection Forms for April 2007

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

(Reference Volume III, Figure 2-1)

Item	Item						Z	one N	lumb	er					
No.	Title	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Surface Cracks	OK	OK	OK	OK	ОК	ОК	OK	OK	OK	OK	OK	ОК	OK	OK
2	Vegetative Growth	OK	OK	OK	OK	OK	OK	OK	OK						
3	Vector Penetration	OK	OK	OK	OK	OK	OK	ОК	OK						
4	Settlement	OK	OK	OK	OK	ОК	OK	OK	OK	OK	OK	ОК	OK	ОК	OK
5	Erosion	OK	OK	OK	OK	OK	ОК	OK	ОК	OK	OK	OK	OK	OK	OK
6	Slope Stability	OK	OK	ОК	OK	OK	OK	OK	OK	ОК	OK	OK	OK	OK	OK
7	Seepage	OK	OK	ОК	ОК	OK	OK	OK	OK						
8	Vandalism	OK	OK	OK	OK	ОК	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 April 3,2007

KMB

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

DATE: 4/10/07

INITIALS: KMB

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

Item No	Inspection					Manhole	Manhole and Sump Number	Number	L .			
	III	LS-1	LS-2	DS-1	DS-2*	TS-1	U-1	U-2	U-3	U-4	U-5	9-11
_	Manhole Cover	OK	OK	S/N	•	OK	OK	OK	OK	OK	OK	1
2	Silt Accumulation	Slight	Heavy	Mod.	1	OK	OK	OK	Slight	OK	•	
3	Settlement	OK	OK	OK	ı	OK	OK	OK	OK	Slight	OK	
4	Pipe Connections	OK	OK	OK	•	OK	OK	OK	OK	OK		,
2	Settlement Along				1							
	Curtain Drain	OK	OK	OK		OK	OK	OK	OK	OK	OK	_
9	Flow into manhole				•							
	or sump	Low	Low	Low		Low	Low	Dry	Low	Low	Low	1

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
 - *DS-2 was provided for the Decon Trailer which is no longer on the site. DS-2 is no longer in use.

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

FORM NO.	LOCATION	DESCRIPTION OF PROBLEM	CORRECTIVE ACTION
GWL-2	DS-1	Hinge on Hatch cover broken	Repair or replace
*****			hinge
	LS-2	Heavy Accumulated Silt	Schedule Clean out
			with Vacuum truck.
	D-5	Heavy Accumulated Silt	Schedule Clean out
			with Vacuum truck.
	DS-1	Moderate Silt accumulation	Continue to monitor
			and have cleaned out
			when Vacuum truck is
			onsite.

DATE: 4/10/07

INSPECTED BY: KMB

FORM AS-1 MONTHLY INSPECTION CHECKLIST ACILLARY SYSTEMS

PELHAM BAY LANDFILL, BRONX, NEW YORK

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

	Description	Check Box	If N/S or NI, description and location
IRM Ro	adway		
1	Rutting	NS	
2	Depressions/Settlement	OK	
3	Washout	ОК	
4	Pavement Condition	ОК	
5	Reflectors	N/S	
Road A			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	OK	
5	Reflectors	N/S	
Road B			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	OK	
5	Reflectors	N/S	
Road B ²			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	NS	
5	Reflectors	N/S	
Road C			
1	Rutting	OK	
2	Depressions/Settlement	OK	
3	Washout	OK	
4	Pavement Condition	OK	
5	Reflectors	N/S	
Perimeter	Fence, Gates, Locks	NS	
Seawall C	Condition	OK	

Notes:

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

Date: 4/3/07 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	rutting starting along the road way	Ruts are repaired on a continual basis as they develop.
	Road B2	Rutting in several areas of the road, pavement condition	Ruts are repaired on a continual basis as they develop. Pavement condition identified on AS-1 form related to general condition of roadway (i.e Rutting)
	All roads	All reflectors on the roadway turns have previously been straightened out. Site personnel to determine if additional reflectors are required	Replace missing reflectors after determining specification and quantity.
	Perimeter Fence	Holes in perimeter fence near LS-2	Repairs have in the past been performed by others under a separate NYCDEP contract

DATE:

4-3-07

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					· · · · · · · · · · · · · · · · · · ·	7	Zone N	Jumb	er					
	Title	1	2	3	4	5	6	7	8	9	10	11	12	13	14
No.	Drainage Ditch Road A							-			10	4.4	12	13	17
1	Overgrown Vegetation	NS	NS	NS	NS	NS	NS	NS	NS						
2	Standing Water	OK	OK	OK	OK	OK	OK	ОК	OK						
3	Sediments and Debris	OK	OK	OK	OK	OK	OK	OK	OK						
4	Erosion/Washouts	OK	OK	OK	OK	OK	OK	OK	OK						
5	Sinkholes	OK	OK	OK	OK	OK	OK	OK	OK						
6	Culvert Road A to Road B								OK						
7	Flapgate at 6" pipe Outlet								OK						
	Drainage Ditch, Road B														
1	Overgrown Vegetation	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
2	Standing Water	OK	OK	OK	OK	OK	ОК	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	ОК	OK	OK	OK	ОК	OK		
5	Sinkholes	OK	OK	OK	OK	ОК	OK	OK	OK	OK	OK	ОК	OK	111	
6	Culvert Road B - Road B ²								OK						
	Drainage Ditch, Road B ²														
1	Overgrown Vegetation	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
2	Standing Water	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
3	Sediments and Debris	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
4	Erosion/Washouts	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
5	Sinkholes	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		
6	Culvert Road B ² - Road C								OK						
	Drainage Ditch, Road C														
1	Overgrown Vegetation	NS								NS	NS	NS	NS	NS	NS
2	Standing Water	OK								OK	OK	OK	OK	ОК	OK
3	Sediments and Debris	OK								OK	OK	OK	ОК	OK	OK
4	Erosion/Washouts	OK								OK	OK	OK	OK	OK	OK
5	Sinkholes	OK								OK	OK	OK	OK	OK	OK

Notes:

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

Date: 4-10-07 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	1-5 9-12	Over grown vegetation in swales	Vegetation will be mowed during the landfill cover mowing
road B	1-6	Over grown vegetation in all swales	Vegetation will be mowed during the landfill cover mowing
	9-12	Over grown vegetation in all swales	Vegetation will be mowed during the landfill cover mowing
road B2	1-14	Over grown vegetation in all swales	Vegetation will be mowed during the landfill cover mowing
road C	1 & 9-14	Over grown vegetation in all swales	Vegetation will be mowed during the landfill cover mowing

DATE:4/10/07

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 (Collect	ion Ma	nholes	(SP Se	eries)			·		·
Item	Item	Manhole Number										
No.	Title	SP1	SP2	SP3	SP4	SP5	SP6	SP7	SP8	SP9	SP10	SP11
1	Trashracks	OK	OK	OK	OK	ОК	OK	OK	OK	OK	ОК	OK
2	Silt Accumulation	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
3	Pipe Connections to Manhole	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
4	Flow From 8" HDPE Inlets	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
5	Debris/Silt Blockage in 24" Pipe	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
6	Settlement Along 24" Pipe	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
7	Settlement Around Manhole	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
8	Baffles Inside Manhole	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK

	Pond Collection Manholes (CP Series)										
Item	Item Manhole Number										
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											
No.	Title	BO1	BO2	BO3	BO4						
1	Silt Accumulation	OK	Ok	OK	OK						
2	Connection to 24" Pipe	OK	OK	OK	OK						
3	Erosion Around Structure	OK	OK	OK	OK						
4	Spalling, Cracking, etc.	OK	OK	OK	OK						
5	Weep Holes	OK	OK	OK	OK						
6	Guard Rails	OK	OK	OK	OK						

Notes:

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

Date: 4-10-07 Initials: KMB

FORM SMS-3 MONTHLY INSPECTION CHECKLIST SEDIMENTATION PONDS STORMWATER MANAGEMENT SYSTEM PELHAM BAY LANDFILL, BRONX, NEW YORK

(Reference Volume I, Figure 2-3)

Inspection Item		Check Box			Check Box
S	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	OK
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	OK
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	OK
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	OK
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	OK	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: 4-10-07 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 vegetation in Pond	Pond cleanouts
			projected for fall 2007.
	Pond B	Silt and vegetation in Pond	
	Pond C	Silt and vegetation in Pond	_
W			

DATE: 4/10/07

INITIALS: KB

(1,77, 51,77)	TOL VOLUME III, SECTION	9	
	Date	4/3/2007	4/5/2007
	Time	7:00am	7:00am
	Techncian	KMB	KMB
1.OPERATING BLOWER 1 OR 2	Blower 1or 2	2	2
A. Noise or Vibration	No / Yes	no	no
B. Measureable or Oderiferous Gas Leaks	No / Yes	no	no
C. Upstream Vacuum-Inches WC	Inches WC		
D. Downstream Pressure -Inches WC	Inches WC		
E. Inlet Temperature-Degree F	Degree F		
F. Discharge Temperature-Degree F	Degree F		
2. BLOWER CONTROL PANEL			
A. Disconnnect Blower 1 and 2 Switch	Off / On		
B. Flow Meter-CFM, Min & Max	CFM		
C. Hour Meter Blower 1 (Zero=)	Blower 1 Min Reading		
Blower 2 (Zero=)	Blower 2 Min Reading	74617.1	77176.1
D. Blower 1 or Blower 2 Running Light	Off / On	2 on	2 on
E. The Blower Hand-Off_Auto Switch	Hand / Off / Auto	auto	auto
F. Blower 1 or 2 Current Alarm	Off / On	off	auto
G. High Motor Current Alarm	Off / On	off	off
H. Reset Alarm	No / Yes	no	
3. FLARE CONTROL PANEL	1107 100	110	no
A. Panel Power Switch	Off / On	on	
B. Panel Power Light	Off / On	on	on
C. Start-Up Sequence Switch	Man / Auto	auto	on
D. Local Unit Control Switch	Start / Run /Stop	run	auto
E. Unit Stop	No / Yes	no	run
F. Security Light	Off / On	off	no
G. Purge Start	Off / On	off	off
H. Low Purge Air Flow, Red Indicator Light	Off / On	off	off
I. Purging, Blue Indicator Light	Off / On	off	off
J. Purge Complete, Amber Indicating Light	Off / On	off	off
K. Ignition Start	Off / On		off
L. Pilot Gas On, Green Indicator Light	Off / On	off off	off
M. Flame Proved, Green Indicator Light	Off / On	off off	off
N. Waste Inlet Valve			off
O. Waste Gas On, Green Indicator Light	Closed / Open / Auto	auto	auto
P. Flare Reset	Off / On	on	on
Q. Waste Gas Blower Failure, Red Indicator Light	No / Yes	no	no
R. High Flare Temperature, Red Indicator Light	Off / On	no	no
S. Flare Failure, Red Indicator Light	Off / On	no	no
4. FLARE	Off / On	no	no
A. Flame Condition			
H .	Good / N/S	good	good
B. Abnormal Burner Hotspots	No / Yes	no	no
C. Unusual Sounds or Odors	No / Yes	no	no
D. Damper Motor Running	No / Yes	yes	yes
Manual Damper Postion	% Open / closed	1% open	1% open
5. PIPING			
A. General Condition	OK / N/S	ok	ok
B. Propane Tank Pressure/Level-PSIG	PSI / tank PSI	30/100	30/100
C. Inlet Valve Position	Percent open	20%	20%
D. LFG Flowrate-CFM	CFM		
E. Gauges Operational?	No / Yes	yes	yes
F. Nitrogen Pressure-PSIG	PSI / tank PSI	130/400	130/400
6. SITE CONDITION			
Vandalism, Cleanliness	Good / N/S	good	good
Reviewed By			
Date		4/3/2007	4/5/2007

Comments	 				

	Date	4/10/2007	4/13/2007
	Time	7:00am	7:00am
	Techncian	KMB	KMB
1.OPERATING BLOWER 1 OR 2	Blower 1or 2	2	2
A. Noise or Vibration	No / Yes	no	no
B. Measureable or Oderiferous Gas Leaks	No / Yes	no	no
C. Upstream Vacuum-Inches WC	Inches WC		
D. Downstream Pressure -Inches WC	Inches WC		
E. Inlet Temperature-Degree F	Degree F		
F. Discharge Temperature-Degree F	Degree F		
2. BLOWER CONTROL PANEL			
A. Disconnnect Blower 1 and 2 Switch	Off / On		
B. Flow Meter-CFM, Min & Max	CFM		
C. Hour Meter Blower 1 (Zero=)	Blower 1 Min Reading		
Blower 2 (Zero=)	Blower 2 Min Reading	79916.9	81042.5
D. Blower 1 or Blower 2 Running Light	Off / On	2 on	
E. The Blower Hand-Off_Auto Switch	Hand / Off / Auto		2 on
F. Blower 1 or 2 Current Alarm	Off / On	auto off	auto
G. High Motor Current Alarm	Off / On		off
H. Reset Alarm		off	off
3. FLARE CONTROL PANEL	No / Yes	no	no
	05110		
A. Panel Power Switch	Off / On	on	on
B. Panel Power Light	Off / On	on	on
C. Start-Up Sequence Switch	Man / Auto	auto	auto
D. Local Unit Control Switch	Start / Run /Stop	run	run
E. Unit Stop	No / Yes	no	no
F. Security Light	Off / On	off	off
G. Purge Start	Off / On	off	off
H. Low Purge Air Flow, Red Indicator Light	Off / On	off	off
I. Purging, Blue Indicator Light	Off / On	off	off
J. Purge Complete, Amber Indicating Light	Off / On	off	off
K. Ignition Start	Off / On	off	off
L. Pilot Gas On, Green Indicator Light	Off / On	off	off
M. Flame Proved, Green Indicator Light	Off / On	off	off
N. Waste Inlet Valve	Closed / Open / Auto	auto	auto
O. Waste Gas On, Green Indicator Light	Off / On	on	on
P. Flare Reset	No / Yes	no	no
Q. Waste Gas Blower Failure, Red Indicator Light	Off / On	no	no
R. High Flare Temperature, Red Indicator Light	Off / On	no	no
S. Flare Failure, Red Indicator Light	Off / On	no	no
4. FLARE			
A. Flame Condition	Good / N/S	good	good
B. Abnormal Burner Hotspots	No / Yes	no	no
C. Unusual Sounds or Odors	No / Yes	no	no
D. Damper Motor Running	No / Yes	yes	yes
Manual Damper Postion	% Open / closed	1% open	1% open
5. PIPING	•		
A. General Condition	OK / N/S	ok	ok
B. Propane Tank Pressure/Level-PSIG	PSI / tank PSI	30/100	30/100
C. Inlet Valve Position	Percent open	20%	20%
D. LFG Flowrate-CFM	CFM		
E. Gauges Operational?	No / Yes	yes	yes
F. Nitrogen Pressure-PSIG	PSI / tank PSI	135/200	135/200
6. SITE CONDITION			
Vandalism, Cleanliness	Good / N/S	good	good
Reviewed By		<u> </u>	<u> </u>
Date		4/10/2007	4/13/2007

Comments			
	 · · · · · · · · · · · · · · · · · · ·	 	

	Date	4/17/2007	4/20/2007
	Time	7:00am	7:00am
	Techncian	KMB	KMB
1.OPERATING BLOWER 1 OR 2	Blower 1or 2	2	2
A. Noise or Vibration	No / Yes	no	no
B. Measureable or Oderiferous Gas Leaks	No / Yes	no	no
C. Upstream Vacuum-Inches WC	Inches WC		110
D. Downstream Pressure -Inches WC	Inches WC	-	
E. Inlet Temperature-Degree F	Degree F		
F. Discharge Temperature-Degree F	Degree F		
2. BLOWER CONTROL PANEL	Degree 1		
A. Disconnnect Blower 1 and 2 Switch	0#/05		
B. Flow Meter-CFM, Min & Max	Off / On		
ll '	CFM CFM		
	Blower 1 Min Reading		
Blower 2 (Zero=)	Blower 2 Min Reading	83825.9	84147.3
D. Blower 1 or Blower 2 Running Light	Off / On	2 on	2 on
E. The Blower Hand-Off_Auto Switch	Hand / Off / Auto	auto	auto
F. Blower 1 or 2 Current Alarm	Off / On	off	off
G. High Motor Current Alarm	Off / On	off	off
H. Reset Alarm	No / Yes	no	no
3. FLARE CONTROL PANEL			
A. Panel Power Switch	Off / On	on	on
B. Panel Power Light	Off / On	on	on
C. Start-Up Sequence Switch	Man / Auto	auto	auto
D. Local Unit Control Switch	Start / Run /Stop	run	run
E. Unit Stop	No / Yes	no	no
F. Security Light	Off / On	off	off
G. Purge Start	Off / On	off	
H. Low Purge Air Flow, Red Indicator Light	Off / On	off	off
I. Purging, Blue Indicator Light	Off / On	off	off
J. Purge Complete, Amber Indicating Light	Off / On		off
K. Ignition Start		off	off
	Off / On	off	off
L. Pilot Gas On, Green Indicator Light	Off / On	off	off
M. Flame Proved, Green Indicator Light	Off / On	off	off
N. Waste Inlet Valve	Closed / Open / Auto	auto	auto
O. Waste Gas On, Green Indicator Light	Off / On	on	on
P. Flare Reset	No / Yes	no	no
Q. Waste Gas Blower Failure, Red Indicator Light	Off / On	no	no
R. High Flare Temperature, Red Indicator Light	Off / On	no	no
S. Flare Failure, Red Indicator Light	Off / On	no	no
4. FLARE			
A. Flame Condition	Good / N/S	good	good
B. Abnormal Burner Hotspots	No / Yes	no	no
C. Unusual Sounds or Odors	No / Yes	no	no
D. Damper Motor Running	No / Yes	yes	yes
Manual Damper Postion	% Open / closed	1% open	1% open
5. PIPING		170 opon	170 open
A. General Condition	OK / N/S	ok	ok
B. Propane Tank Pressure/Level-PSIG	PSI / tank PSI	30/100	30/100
C. Inlet Valve Position	Percent open	20%	
D. LFG Flowrate-CFM	CFM	2070	20%
E. Gauges Operational?	No / Yes		
F. Nitrogen Pressure-PSIG		yes	yes
6. SITE CONDITION	PSI / tank PSI	130/200	120/2200
	 		
Vandalism, Cleanliness	Good / N/S	good	good
Reviewed By			
Date		4/17/2007	4/20/2007

Comments	 		

(112) 211211	CE VOLUME III, SECTION		
	Date	4/23/2007	4/27/2007
	Time	7:00am	7:00am
	Techncian	KMB	KMB
1.OPERATING BLOWER 1 OR 2	Blower 1or 2	2	2
A. Noise or Vibration	No / Yes	no	no
B. Measureable or Oderiferous Gas Leaks	No / Yes	no	no
C. Upstream Vacuum-Inches WC	Inches WC	110	110
D. Downstream Pressure -Inches WC	Inches WC		
E. Inlet Temperature-Degree F	Degree F		
F. Discharge Temperature-Degree F	Degree F		
2. BLOWER CONTROL PANEL	Degree F		
A. Disconnect Blower 1 and 2 Switch	0#/05		
ii .	Off / On		
B. Flow Meter-CFM, Min & Max	CFM		
C. Hour Meter Blower 1 (Zero=)	Blower 1 Min Reading		
Blower 2 (Zero=)	Blower 2 Min Reading	89903.6	94044.6
D. Blower 1 or Blower 2 Running Light	Off / On	2 on	2 on
E. The Blower Hand-Off_Auto Switch	Hand / Off / Auto	auto	auto
F. Blower 1 or 2 Current Alarm	Off / On	off	off
G. High Motor Current Alarm	Off / On	off	off
H. Reset Alarm	No / Yes	no	no
3. FLARE CONTROL PANEL			
A. Panel Power Switch	Off / On	on	on
B. Panel Power Light	Off / On	on	on
C. Start-Up Sequence Switch	Man / Auto	auto	auto
D. Local Unit Control Switch	Start / Run /Stop	run	······································
E. Unit Stop	No / Yes		run
F. Security Light	Off / On	no -#	no
n · ·		off	off
G. Purge Start	Off / On	off	off
H. Low Purge Air Flow, Red Indicator Light	Off / On	off	off
I. Purging, Blue Indicator Light	Off / On	off	off
J. Purge Complete, Amber Indicating Light	Off / On	off	off
K. Ignition Start	Off / On	off	off
L. Pilot Gas On, Green Indicator Light	Off / On	off	off
M. Flame Proved, Green Indicator Light	Off / On	off	off
N. Waste Inlet Valve	Closed / Open / Auto	auto	auto
O. Waste Gas On, Green Indicator Light	Off / On	on	on
P. Flare Reset	No / Yes	no	no
Q. Waste Gas Blower Failure, Red Indicator Light	Off / On	no	no
R. High Flare Temperature, Red Indicator Light	Off / On	no	no
S. Flare Failure, Red Indicator Light	Off / On	no	no
4. FLARE	33		110
A. Flame Condition	Good / N/S	good	good
B. Abnormal Burner Hotspots	No / Yes	no	good
C. Unusual Sounds or Odors	No / Yes		no
D. Damper Motor Running	No / Yes	no	no
		yes	yes
Manual Damper Postion 5. PIPING	% Open / closed	1% open	1% open
II -	01/ / 11/0		
A. General Condition	OK / N/S	ok	ok
B. Propane Tank Pressure/Level-PSIG	PSI / tank PSI	30/100	30/100
C. Inlet Valve Position	Percent open	20%	20%
D. LFG Flowrate-CFM	CFM		
E. Gauges Operational?	No / Yes	yes	yes
F. Nitrogen Pressure-PSIG	PSI / tank PSI	120/2100	110/2100
6. SITE CONDITION			
Vandalism, Cleanliness	Good / N/S	good	good
Reviewed By			
Date		4/23/2007	4/27/2007

Comments	 	****	 	

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

(REFERENCE VOLUME III SECTION 4)

Date:	4/3/2007			Initi	ials KMB		
Downgradient Collection Sumps		-1 		-8		D-10	
A. Circuit Breakers	Pump 1 X On Off	Pump 2 X On Off	Pump 1 X On Off	Pump 2 X On Off	Pump 1 X On O	Pump 2 ff X On Off	
B. Running Light On	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	
C. Selector Switch Position Han-Off Automatic (HOA)	H O A	H O A	H O A	H O A	H O A	H O A	
D. Liquid Level in Sump	H L O		H L O		H L O		
E. Leak in Manifold Piping	Yes X No		Yes X No		Yes X No	o .	
	Pumps ETM P-1 1835		Pumps ETM P-1 3622		Pumps ET		
	P-2 2150		P-2 2288			704.7 373.8	
Downgradient and Curtain Drain							
A. Is there settlement along alignment of downgradient Yes X No curtain drain							
3. D-1 Forcemain Flow Totalizer 104,301 x 100 =							
\$. D-1 Forcemain Pressure							

3.	LIFT STATION NO. 1	
B.	Flow from Curtain Drain Are Sump Pumps Operating Alarm indicator Lights	Normal X High Yes X No Yes X No
	Pumps ETM High Temp P-1 6648.8 P-2 4112.9	Seal Fail Fault
	Check liquid level in sump Check for leak in manifold leachate piping	X High Other Yes X No
4.	LIFT STATION NO. 2	
B.	Settlement along buried section of forcemain Are sump pumps operating Are the alarms or indicator lights on	Yes X No Yes X No Yes X No
	Pumps ETM High Temp P-1 8976.5 P-2 2614.1	Seal Fail Fault
D.	Check liquid level around stop planks Is the level,	X 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 X No Yes X No Pump 1 Pump 2
5.	DECONTAMINATION TRAILER	
	Is the trailer clean/sanitary Is sump pump operating Yes Yes	* No x No

^{*} Decontamination trailer has been removed from site

ъ.	DECONTAININATION PAD/	RUCK FILL ARE	A AND SUMP		
В.	Flow through sump weep ho Are Sump Pumps Operating Alarm indicator Lights	les Low	X Normal Yes Yes	High X No X No	
	Pumps ETM P-1 53614.3 P-2 22781.0		Seal Fail	Fault	
E.	Check Decon-Area for leach Check for leak in manifold di Check if pump is out of servi	scharge piping	vel perimeter Ye		
F.	Truck Fill Totalizer 853743	}			
7.	LEACHATE STORAGE COM	ITAINMENT ARE	A AND SUMP		
В.	Flow through sump weep ho Are sump pumps operating Alarm indicator Lights	les 1813:	3.5 X Normal Yes Yes	High X No X No	
	Pumps ETM P-1 1970.2 P-2 3353.1	High Temp	Seal Fail	Fault	
D.	Check liquid level in sump	X Low	High	Other	
	Is there any leak in the storag	ge tanks and	Yes	XNo	
G.	Check if a pump is out of ser	vice	Pump 1	Pump 2	
8.	CARBON ADSROPTION SY	STEM			
	Air Compressors on Activated carbon canisters o (On Line)	perating	Yes X Yes	X No	
9.	Blower 1 30806.5 Blower 2 CONTRACT HP-877 FORCE		GE TO POTW		
	Leakage from pipwork in val: Settlement along alignment of			Yes Yes	XNO

10. MOTOR CONTROL CENTER (MCC)

A. /	Are all breakers, for the following equipment, in the ON position: Lift Station No. 1 Lift Station No. 2 Decontamination Sump Storage Containment Sump Site Lighting X Yes No X Yes No X Yes No X Yes No X Yes No	
11.	SECURITY TRAILER AND FENCING	
Α. \$	Sign-In-Review Visitors log and Check-In with Gaurds X Yes	
	Check cleanliness of trailer strailer clean X Yes No	
	Check Collection System Alarm Panel storage Tank Levels: 1/4 1/2 3/4	Full
A	Lift Stations Sumps Storage Tanks Yes No N/A	am Sita
	* Alarm panel has been removed from the security fencing surrounding the equipment in sood condition X Yes No	im Site
Note	For noted deficiencies and problems provide description on form DP-1. additional sheets if necessary.	Attached

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

(REFERENCE VOLUME III SECTION 4)

Date:	4/5/2007					Initi	als	KMB		
Downgradient Collection Sumps	İ	-1 		D	-8			D-10	0	
A. Circuit Breakers	Pump 1 X On Off	Pump 2 X On	Off X On	mp 1	Pump 2	Off	Pump X On		Pump 2	Off
B. Running Light On	Yes X No	Yes X	No Yes	X No	Yes	X No	Yes	X No	Yes	X No
C. Selector Switch Position Han-Off Automatic (HOA)	H O A	H O A	н о	A X		A X		A X		A X
D. Liquid Level in Sump	H L O		H L	<u>о</u>			H L	<u> </u>		
E. Leak in Manifold Piping	Yes X No		Yes	X No			Yes	X No		
	Pumps ETM P-1 1837 P-2 2151	3.0	Pumps P-1 P-2	ETM 3626 2294			Pumps P-1 P-2	ETM 64777 53373		
Downgradient and Curtain Drain										
A. Is there settlement along alignment of downgradient Yes X No curtain drain										
3. D-1 Forcemain Flow Totalizer 104,301 x 100 =										

\$. D-1 Forcemain Pressure

3.	LIFT STATION NO. 1		
В.	Flow from Curtain Drain Are Sump Pumps Operating Alarm indicator Lights	Normal Yes Yes	X High X No X No
	Pumps ETM High Temp P-1 6656.6 P-2 4113.2	Seal Fail	Fault
	Check liquid level in sump Check for leak in manifold leachate piping	X High Yes	Other X No
4.	LIFT STATION NO. 2		
B.	Settlement along buried section of forcemain Are sump pumps operating Are the alarms or indicator lights on	Yes Yes Yes	X No X No X No
	Pumps ETM High Temp P-1 9026.2 P-2 2614.1	Seal Fail	Fault
D.	Check liquid level around stop planks Is the level,	X 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 X No Pump
5.	DECONTAMINATION TRAILER		
	Is the trailer clean/sanitary Is sump pump operating Yes Yes	* No x No	

2

^{*} Decontamination trailer has been removed from site

ъ.	DECONTAININ	ATION PAD/TR	UCK FILL ARE	A AND SUMP		
В.	Flow through s Are Sump Pum Alarm indicator		Low	X Normal Yes Yes	High X No X No	
	Pumps P-1 P-2	5 ETM 53636.2 22781.0	High Temp	Seal Fail	Fault	
Ε.	Check for leak	Area for leachate in manifold discl is out of service	•	vel perimeter Ye		
F.	Truck Fill Totalia	zer 853743				
7.	LEACHATE ST	ORAGE CONT	NINMENT AREA	A AND SUMP		
В.	Flow through s Are sump pum Alarm indicator		1813	3.5 X Normal Yes Yes	High X No X No	
	Pumps P-1 P-2	ETM 1970.2 3353.1	High Temp	Seal Fail	Fault	
D.	Check liquid le	vel in sump	X Low	High	Other	
E.	Is there any lea manifold discha	ak in the storage arge piping	tanks and	Yes	XNo	
G.	Check if a pum	p is out of servi	ce	Pump 1	Pump 2	
8.	CARBON ADS	ROPTION SYST	ЕМ			
	Air Compresso Activated carbo (On Line)	on canisters ope	rating	Yes X Yes	X No	
9.	Blower Blower CONTRACT HI		IAIN DISCHAR	GE TO POTW		
		oipwork in valve		Station No. 1	Yes Yes	X No

10. MOTOR CONTROL CENTER (MCC)

A.	Are all breakers, for the following equipment, in the ON policies of the Station No. 1 Lift Station No. 2 Decontamination Sump Storage Containment Sump Site Lighting X Ye X Ye X Ye	No No No No No No
11.	. SECURITY TRAILER AND FENCING	
Α.	Sign-In-Review Visitors log and Check-In with Gaurds	X Yes
	Check cleanliness of trailer Is trailer clean X Yes	s No
	Check Collection System Alarm Panel Storage Tank Levels:	1/2 3/4 Full
	Alarm Indicators: Lift Stations Sumps Storage Tanks Yes N/A N/A N/A * Alarm panel	No N/A N/A N/A N/A
	Is the security fencing surrounding the equipment in good condition X Yes	has been removed from Site
No	tes: For noted deficiencies and problems provide desc additional sheets if necessary.	ription 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:	4/10/2007		Initials KMB								
1.	Downgradient Collection Sumps		D-1)-8) - 10					
	·	Pump 1	Pump 2	Pump 1	Pump 2	Pump 1	Pump 2					
Α.	Circuit Breakers	X On	Off X On Off	X On Off	X On Off	X On Of	X On Off					
В.	Running Light On	Yes X	No Yes X No	Yes X No	Yes X No	Yes X No	Yes X No					
C.	Selector Switch Position Han-Off	H O A	H O A	H O A	H O A	H O A	H O A					
	Automatic (HOA)					1 1 ^ 1						
D.	Liquid Level in	H L O		H L O		H L O						
	Sump		i		I		I					
Ε.	Leak in Manifold Piping	Yes X	No	Yes X No		Yes X No						
	i iping	Pumps	ETM	Pumps ETI	Л	Pumps ETI	И					
		P-1	18397.2	P-1 363	61.1		955.2					
		P-2	21512.7	P-2 230	83.4	P-2 533	373.8					
2.	Downgradient and Curtain Drain											
Α.	A. Is there settlement along alignment of downgradient Yes X No curtain drain											
3.	D-1 Forcemain Flo	w Totalizer	104,301 x 100	=								

\$. D-1 Forcemain Pressure

3.	LIFT STATION NO. 1		
В.	Flow from Curtain Drain Are Sump Pumps Operating Alarm indicator Lights	Normal Yes Yes	X High X No X No
	Pumps E M High Temp P-1 6728.7 P-2 4113.2	Seal Fail	Fault
	Check liquid level in sump Check for leak in manifold leachate piping	X High Yes	Other No
4.	LIFT STATION NO. 2		
B.	Settlement along buried section of forcemain Are sump pumps operating Are the alarms or indicator lights on	Yes Yes Yes	X No X No X No
	Pumps ETM High Temp P-1 9147.7 P-2 2614.1	Seal Fail	Fault
D.	Check liquid level around stop planks Is the level,	X 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 X No Pump 2
5.	DECONTAMINATION TRAILER		
	Is the trailer clean/sanitary Is sump pump operating Yes Yes	* No	

^{*} Decontamination trailer has been removed from site

Ο.	DECONT	AMINATIO	N FADITIC	OK FILL AKE	A AND SUMP		
В.	Are Sump	ugh sump v Pumps Op icator Light	perating	Low	X Normal Yes Yes	High X No X No	
	Р	rumps -1 -2	ETM 53638.4 22781.0	High Temp	Seal Fail	Fault	
E.	Check for		nifold disch	flow out of grav	vel perimeter Ye		
F.	Truck Fill 7	Totalizer	853743				
7.	LEACHA1	TE STORA	GE CONTA	INMENT AREA	AND SUMP		
В.	Flow throu Are sump Alarm ind	High X No X No					
	P		ETM 1970.2 3353.1	High Temp	Seal Fail	Fault	
D.	Check liqu	uid level in	sump	X Low	High	Other	
		ny leak in th Iischarge p	ne storage t iping	anks and	Yes	X No	
G.	Check if a	a pump is o	ut of servic	е	Pump 1	Pump 2	
8.	CARBON	ADSROPT	ION SYST	ЕМ			
	Air Compr Activated (On Line)		nisters oper ETM	ating	Yes X Yes	X No	
9.	В	lower 1 lower 2 CT HP-877	30806.5	AIN DISCHARG	GE TO POTW		
				oox beside Lift S	Station No. 1	Yes Yes	X No

10. MOTOR CONTROL CENTER (MCC)

A. Are a	Il breakers, for the following equipolitic Station No. 1 Lift Station No. 2 Decontamination Sump Storage Containment Sump Site Lighting	pment, in the ON position X Yes	on: No No No No No No No
11. SEC	CURITY TRAILER AND FENCING	3	
A. Sign-	In-Review Visitors log and Check	c-In with Gaurds	X Yes
	k cleanliness of trailer ler clean	XYes	No
	k Collection System Alarm Panel ge Tank Levels:	1/4	1/2 3/4 Full
Alarm	n Indicators: Lift Stations Sumps Storage Tanks	N/A N N/A N N/A N	No //A //A s been removed from Site
	e security fencing surrounding the condition	· · · · · · · · · · · · · · · · · · ·	No
Notes:	For noted deficier cies and pro additional sheets if necessary.		ion 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:	4	4/13/2007						Initials KMB														
	Downgradient Collection Sumps		D-1 				D-8						D-10										
	Circuit Breakers		Pump 1 On	Off	X	ump 2 On		Off 2		ump	1 0		On		Off	Х	Pump On	o 1	Off	_	ump 2 On		Off
В.	Running Light On		/es X	No		Yes	X	ا ا ۱۵۰		es 🔼	O N	Ē	Yes	X	No		Yes [X	No		Yes [X	No
	Selector Switch Position Han-Off Automatic (HOA)	н	O A X		Н	0	A X	<u>-</u>	1 (1		<u>\</u>	Н	0	X		н	° I	A X		H		A X	
	Liquid Level in Sump	H	L O					Ė	1 1	_ (н	L	<u> </u>					
	Leak in Manifold Piping	Pump P-1 P-2		No ETM 1842 2153				Pi Pi Pi	ımps 1	es 📝	ET 36					Pum _l P-1 P-2	Yes ps		No ETM 6507 5337	7 5.6			
	Downgradient and Curtain Drain																						
	ls there settlement curtain drain	t along	alignmen	t of d	owng	ıradier	nt]Y₁	es 🚺	N N	0											
3.	D-1 Forcemain Flo	w Total	lizer		104,	640	x 1	00 =	•														

\$. D-1 Forcemain Pressure

3.	LIFT STATION NO. 1	
В.	Flow from Curtain Drain Are Sump Pumps Operating Alarm indicator Lights	Normal X High Yes X No Yes X No
	Pumps ETM High Tem P-1 6775.0 P-2 4113.2	np Seal Fail Fault
	Check liquid level in sump Check for leak in manifold leachate piping	Low X High Other Yes X No
4.	LIFT STATION NO. 2	
В.	Settlement along buried section of forcem Are sump pumps operating Are the alarms or indicator lights on	Yes X No Yes X No Yes X No
	Pumps ETM High Tem P-1 9220.6 P-2 2614.1	np Seal Fail Fault
D.	Check liquid level around stop planks Is the level,	Low X High Other
F.	Any leaks in the manifold discharge piping Check surface water in the Bay and Rip-R Are there any signs of leachate Check if a pump is out of service	
5.	DECONTAMINATION TRAILER	
	Is the trailer clean/sanitary Is sump pump operating	Yes * No Yes x No

^{*} Decontamination trailer has been removed from site

6.	DECONTA	MINATION	1 PAD/IRU	ICK FILL AREA	AND SUMP		
В.	Flow throu Are Sump Alarm indic	Pumps Op	erating	Low	X Normal Yes Yes	High X No X No	
	Pu P- P-		ETM 53684.9 22781.0	High Temp	Seal Fail	Fault	
E.		leak in mar	nifold disch	flow out of grav	vel perimeter Ye		
F.	Truck Fill T	otalizer	853743				
7.	LEACHAT	E STORAC	SE CONTA	INMENT AREA	AND SUMP		
В.	Flow throu Are sump Alarm indi	pumps ope	erating	18133	3.5 X Normal Yes Yes	High X No X No	
	Pւ P- P-		ETM 970.2 353.1	High Temp	Seal Fail	Fault	
D.	Check liqu	id level in	sump	X Low	High	Other	
E.	Is there an	•	•	anks and	Yes	X No	
G.	Check if a	pump is or	ut of service	е	Pump 1	Pump 2	
8.	CARBON	ADSROPT	ION SYST	EM			
	Air Compre Activated ((On Line)	carbon can	isters oper ETM 30806.5	ating	Yes X Yes	X No	
9.		ower 2	FORCE M	AIN DISCHARG	SE TO POTW		
	-			oox beside Lift S proemain to Bur	Station No. 1 r Avenue manho	le Yes	X No X No

10. MOTOR CONTROL CENTER (MCC) A. Are all breakers, for the following equipment, in the ON position: Lift Station No. 1 Yes No Lift Station No. 2 Yes No **Decontamination Sump** Yes Nο Storage Containment Sump Yes No Site Lighting Yes No 11. SECURITY TRAILER AND FENCING A. Sign-In-Review Visitors log and Check-In with Gaurds X Yes B. Check cleanliness of trailer Is trailer clean X Yes C. Check Collection System Alarm Panel Storage Tank Levels: 1/4 1/2 3/4 Full Alarm Indicators: Yes No Lift Stations Sumps Storage Tanks N/A Alarm panel has been removed from Site D. Is the security fencing surrounding the equipment in good condition Yes No

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

Notes:

additional sheets if necessary.

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

(REFERENCE VOLUME III SECTION 4)

Date:	4/17/2007		Initials KMB								
Downgradient Collection Sumps		-1)-8 		D-10					
A. Circuit Breakers	Pump 1 X On Off	Pump 2 X On Off	Pump 1 X On Off	Pump 2 X On Off	Pump 1 X On Of	Pump 2 ff X On Off					
B. Running Light On	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No	Yes X No					
C. Selector Switch Position Han-Off Automatic (HOA)	H O A	H O A	H O A	H O A	H O A	H O A					
D. Liquid Level in Sump	н ь о		H L O		H L O						
E. Leak in Manifold Piping	Yes X No		Yes X No		Yes X No	0					
	Pumps ETM P-1 1847 P-2 2156	'8.6	Pumps ETM P-1 3650 P-2 2320	63.1	Pumps ET P-1 65 P-2	M 773.8 53373.8					
Downgradient and Curtain Drain											
A. Is there settlement curtain drain	along alignment of d	owngradient	Yes X No								
3. D-1 Forcemain Flo	w Totalizer	107,181 x 100	=								
\$. D-1 Forcemain Pres	ssure										

3.	LIFT STATION NO. 1			
В.	Flow from Curtain Drain Are Sump Pumps Operating Alarm indicator Lights	Low	Normal Yes Yes	X High X No X No
	Pumps ETM Hig P-1 6793.0 P-2 4129.4	h Temp	Seal Fail	Fault
	Check liquid level in sump Check for leak in manifold leachate	Low	X High Yes	Other X No
4.	LIFT STATION NO. 2			
B.	Settlement along buried section of for Are sump pumps operating Are the alarms or indicator lights on		Yes Yes Yes	X No X No X No
	Pumps ETM Hig P-1 9328.2 P-2 2614.1	h Temp	Seal Fail	Fault
D.	Check liquid level around stop plant is the level,	ks Low	X High	Other
F.	Any leaks in the manifold discharge Check surface water in the Bay and Are there any signs of leachate Check if a pump is out of service		Yes Yes Pump 1	X No X No Pump
5.	DECONTAMINATION TRAILER			
	Is the trailer clean/sanitary Is sump pump operating	Yes Yes	* No x No	

2

^{*} Decontamination trailer has been removed from site

6.	DECONTAMINATION PAD/TRU	JCK FILL AREA	A AND SUMP								
В.	Flow through sump weep holes Are Sump Pumps Operating Alarm indicator Lights	Low	X Normal Yes Yes	High X No X No							
	Pumps ETM P-1 53966.6 P-2 22781.0	High Temp	Seal Fail	Fault							
Ε.	D. Check Decon-Area for leachate flow out of gravel perimeter E. Check for leak in manifold discharge piping F. Check if pump is out of service Yes P-1 No P-2										
F.	Truck Fill Totalizer 853743										
7.	LEACHATE STORAGE CONTA	INMENT AREA	AND SUMP								
В.	Flow through sump weep holes Are sump pumps operating Alarm indicator Lights	18133	.5 X Normal Yes Yes	High X No X No							
	Pumps ETM P-1 1970.2 P-2 3353.1	High Temp	Seal Fail	Fault							
D.	Check liquid level in sump	X Low	High	Other							
	Is there any leak in the storage t manifold discharge piping	anks and	Yes	X No							
G.	Check if a pump is out of service	Э	Pump 1	Pump 2							
8.	CARBON ADSROPTION SYSTE	ΕM									
В.	Air Compressors on Activated carbon canisters opera (On Line) ETM Blower 1 30806.5	ating	Yes X Yes	X No							
9.	Blower 2 Contract HP-877 Force MA	AIN DISCHARG	E TO POTW								
	Leakage from pipwork in valve b Settlement along alignment of fo			Yes e Yes	X No						

10. MOTOR CONTROL CENTER (MCC) A. Are all breakers, for the following equipment, in the ON position: Lift Station No. 1 Yes No Lift Station No. 2 Yes Νo **Decontamination Sump** Yes No Storage Containment Sump Yes No Site Lighting Yes No 11. SECURITY TRAILER AND FENCING A. Sign-In-Review Visitors log and Check-In with Gaurds X Yes B. Check cleanliness of trailer Is trailer clean X Yes C. Check Collection System Alarm Panel Storage Tank Levels: 1/4 1/2 3/4 Full Alarm Indicators: Yes Lift Stations N/A Sumps N/A Storage Tanks N/A Alarm panel has been removed from Site D. Is the security fencing surrounding the equipment in

;

Notes:

good condition

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

X Yes

No

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

(REFERENCE VOLUME III SECTION 4)

	Date:	4/20/2007	· 							Initi	als .		KMB				
1.	Downgradient Collection Sumps		D-1				D-	-8					D	-10			
Α.	. Circuit Breakers	Pump 1 X On	Off	Pump 2 X On	Off	Pump 1	Off	_	np 2 On	Off	Х	Pump On	Off		ump 2 On		Off
В.	Running Light On	Yes X	No	Yes X	No	Yes X	No	Y	es X	No		Yes	_ ∏No		Yes[X	No
C.	Selector Switch Position Han-Off Automatic (HOA)	H O A		H O A		H O A]	H (O A		Н	O A		Н		A X	
D.	Liquid Level in Sump	H L O				H L O]				н	L C	<u> </u>				
E.		P-1	No ETM 18519.4 21578.4	•		Yes X Pumps P-1 P-2	ETM 36602 23293			1	Pum; P-1 P-2	Yes X	No ETM 6593 533	23.6			
	Downgradient and Curtain Drain							<u></u>	1211	•		-			<u>.</u>		
A.	Is there settlement curtain drain	along alignmen	t of dov	vngradient	į	Yes X] No										
3.	D-1 Forcemain Flov	w Totalizer	1	09,101 x	100	=											
\$.	D-1 Forcemain Pres	ssure															

3.	LIFT STATION NO. 1	
В.	Flow from Curtain Drain Are Sump Pumps Operating Alarm indicator Lights	Normal X High Yes X No Yes X No
	Pumps ETM High Temp P-1 6814.4 P-2 4135.2	Seal Fail Fault
	Check liquid level in sump Check for leak in manifold leachate piping	X High Other Yes X No
4.	LIFT STATION NO. 2	
В.	Settlement along buried section of forcemain Are sump pumps operating Are the alarms or indicator lights on	Yes X No Yes X No Yes X No
	Pumps ETM High Temp P-1 9380.6 P-2 2614.1	Seal Fail Fault
D.	Check liquid level around stop planks Is the level,	X 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 X No Yes X No Pump 1 Pump 2
5.	DECONTAMINATION TRAILER	
	Is the trailer clean/sanitary Is sump pump operating Yes Yes	* No x No
	* Decontamination trailer has been re	emoved from site

6.	DECONTAMINATION PAD/TR	RUCK FILL ARE	A AND SUMP		
В.	Flow through sump weep hole Are Sump Pumps Operating Alarm indicator Lights	s Low	X Normal Yes Yes	X No	
	Pumps ETM P-1 53968.4 P-2 22784.2	High Temp	Seal Fail	Fault	
E.	Check Decon-Area for leachat Check for leak in manifold disc Check if pump is out of service	charge piping	vel perimeter		
F.	Truck Fill Totalizer 853743				
7.	LEACHATE STORAGE CONT	AINMENT AREA	AND SUMP		
B.	Flow through sump weep hole: Are sump pumps operating Alarm indicator Lights	s18133	3.5 X Normal Yes Yes	High X No X No	
	Pumps ETM P-1 1970.2 P-2 3353.1	High Temp	Seal Fail	Fault	
D.	Check liquid level in sump	X Low	High	Other	
	Is there any leak in the storage manifold discharge piping	tanks and	Yes	X No	
G.	Check if a pump is out of servi	ce	Pump 1	Pump 2	
8.	CARBON ADSROPTION SYS	TEM			
В.	Air Compressors on Activated carbon canisters ope (On Line) ETM Blower 1 30806.5 Blower 2	erating	Yes X Yes	X No	
9.	CONTRACT HP-877 FORCE IN	IAIN DISCHARG	SE TO POTW		
	Leakage from pipwork in valve Settlement along alignment of			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 Yes Nο Lift Station No. 2 Yes No **Decontamination Sump** Yes No Storage Containment Sump Yes No Site Lighting Yes No 11. SECURITY TRAILER AND FENCING A. Sign-In-Review Visitors log and Check-In with Gaurds B. Check cleanliness of trailer

X Yes C. Check Collection System Alarm Panel Storage Tank Levels: 1/4 1/2 3/4 Full Alarm Indicators: Yes Lift Stations N/A

Sumps Storage Tanks

Alarm panel has been removed from Site

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

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

additional sheets if necessary.

Is trailer clean

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

(REFERENCE VOLUME III SECTION 4)

	Date:	4/23/20	07	-									Initia	als .		KMB					
1.	Downgradient Collection Sumps		D)-1 					D	-8							D-10)			٦
A.	Circuit Breakers	Y On	1 Off		mp 2 On	Off		ump 1 n	Off	X	On		Off	X	Pump On		Off 2	Pum X O	_] [Off
В.	Running Light On	Yes 7	No.	\ط ا	es X	No	⊢ ۲۰	s X	No		Yes	Х	No		Yes	X	ι _o E	 Ye	s X	_]	lo
C	Selector Switch Position Han-Off Automatic (HOA)	H O A		H	O A		H C) A	ı	Н	0	A X		Н		A X		н с	X	_	
D.	Liquid Level in Sump	H L C	<u>,</u>				Ηι	0					ļ	Н	L	<u> </u>					
E.	Leak in Manifold Piping	Yes	No				Ye	s X	No				ŀ		Yes	X	lo				
		Pumps	ETM				Pumps		ETM					Pump	os		ГМ				ı
		P-1 P-2	1854 2157				P-1 P-2		3667 2334					P-1 P-2			3098. 3373.				
	2. Downgradient and Curtain Drain																				
A.	A. Is there settlement along alignment of downgradient Yes X No curtain drain																				
3.	D-1 Forcemain Flor	w Totalizer		109,8	77 x	100	=														

\$. D-1 Forcemain Pressure

3.	LIFT ST	TATION NO	D. 1			
В.	Are Sur	om Curtain np Pumps ndicator Lig	Operating	Low	Normal Yes Yes	X High X No X No
		Pumps P-1 P-2	ETM 6830.1 4135.2	High Temp	Seal Fail	Fault
		iquid level i or leak in n	n sump nanifold leac	Low hate piping	X High Yes	Other X No
4.	LIFT ST	ATION NO). 2			
B.	Are sum	np pumps o		of forcemain	Yes Yes Yes	X No X No X No
		Pumps P-1 P-2	ETM 9489.6 2614.1	High Temp	Seal Fail	Fault
D.	Check li		around stop p	olanks Low	X High	Other
F.	Check s Are there	urface wate e any signs	anifold discha er in the Bay of leachate out of service	and Rip-Rap	Yes Yes Pump 1	X No X No Pump
5.	DECON'	TAMINATIO	ON TRAILER	र		
		ailer clean/s pump oper	•	Yes Yes	* No x No	

2

^{*} Decontamination trailer has been removed from site

6.	DECON	TAMINATIO	N PAD/TRU	ICK FILL AREA	AND SUMP				
В.	Are Sun	rough sump v np Pumps Op ndicator Light	perating	Low	X Normal Yes Yes	High X No X No			
		Pumps P-1 P-2	ETM 53968.4 22784.2	High Temp	Seal Fail	Fault			
E.	Check for	Decon-Area foor leak in mai pump is out	nifold discha	flow out of grav arge piping	el perimeter Ye				
F.	Truck Fill	Totalizer	853743						
7 .	7. LEACHATE STORAGE CONTAINMENT AREA AND SUMP								
В.	Are sum	ough sump w p pumps ope dicator Lights	erating	18133.	5 X Normal Yes Yes	High X No X No			
	1		ETM 970.2 353.1	High Temp	Seal Fail	Fault			
D.	Check lid	quid level in s	sump	X Low	High	Other			
		any leak in th discharge pi		anks and	Yes	X No			
G.	Check if	a pump is ou	ut of service		Pump 1	Pump 2			
8.	CARBON	N ADSROPT	ION SYSTE	М					
В.	Activated (On Line)		isters opera ETM 30806.5	iting	Yes X Yes	X No			
9.		Blower 2 ACT HP-877	FORCE MA	IN DISCHARGI	E TO POTW				
				ox beside Lift St cemain to Burr	ation No. 1 Avenue manhol	e Yes	X No X No		

10. MOTOR CONTROL CENTER (MCC)

A.	Are all breakers, for the following equipment Lift Station No. 1 Lift Station No. 2 Decontamination Sump Storage Containment Sump Site Lighting	X Yes	No No No No No No No
11.	. SECURITY TRAILER AND FENCING		
Α.	Sign-In-Review Visitors log and Check-In wi	th Gaurds	X Yes
B.	Check cleanliness of trailer		
	Is trailer clean	X Yes	No
C.	Check Collection System Alarm Panel		
	Storage Tank Levels:	1/4	1/2 3/4 Full
	Alarm Indicators:	Yes N	10
	Lift Stations	N/A N	
	Sumps	N/A N	/A
	Storage Tanks	N/A N	/A been removed from Site
D.	Is the security fencing surrounding the equip		
	good condition	X Yes	No
Not	otes: For noted deficiencies and problems additional sheets if necessary.	provide descripti	on on form DP-1. Attached
	additional sheets if necessary.		

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

(REFERENCE VOLUME III SECTION 4)

	Date:	4/27/2	007							Init	ials .	K	МВ			
1.	Downgradient Collection Sumps			-1				D-8 					D-	10		
A	. Circuit Breakers	Y On	0 1 Off	Pump X On	2 Of		ımp 1	Off X	On	2 Off	X	Pump 1 On	Off	Pun X O	np 2 On	Off
В.	. Running Light On	Yes	X No	Yes	X No	Ye	s X N	۰]Yes[X No		Yes X	No		es X	No
C	Selector Switch Position Han-Off Automatic (HOA)		A X	н о	A X	H 0	A X	Н	Ů	A X	Н	O A	,	H (X	
D.	. Liquid Level in Sump	H L				H L	°				<u> </u>	L O	,			
Ε.	Leak in Manifold Piping	Yes	X No			Ye	s X N	10				Yes X	No			İ
		Pumps P-1 P-2	ETM 1856 2157			Pumps P-1 P-2	36	TM 5722.3 3381.8			Pump P-1 P-2		ETM 6620 5337			
	2. Downgradient and Curtain Drain															
Α.	A. Is there settlement along alignment of downgradient Yes X No curtain drain															
3.	D-1 Forcemain Flor	w Totalizer		110,915	x 100	=										

\$. D-1 Forcemain Pressure

3.	LIFT STATION NO. 1	
В.	Flow from Curtain Drain Are Sump Pumps Operating Alarm indicator Lights	Normal X High Yes X No Yes X No
	Pumps ETM High Temp P-1 6846.0 P-2 4136.7	Seal Fail Fault
	Check liquid level in sump Check for leak in manifold leachate piping	X High Other Yes X No
4.	LIFT STATION NO. 2	
В.	Settlement along buried section of forcemain Are sump pumps operating Are the alarms or indicator lights on	Yes X No Yes X No Yes X No
	Pumps ETM High Temp P-1 9545.7 P-2 2614.1	Seal Fail Fault
D.	Check liquid level around stop planks Is the level,	X High Other
	Any leaks in the manifold discharge piping Check surface water in the Bay and Rip-Rap	Yes X No
G.	Are there any signs of leachate Check if a pump is out of service	Yes X No Pump 1 Pump 2
5.	DECONTAMINATION TRAILER	
	Is the trailer clean/sanitary Is sump pump operating Yes Yes	* No x No

^{*} Decontamination trailer has been removed from site

О.	DECOR	NIAMINATIC	JN PAD/TRU	JCK FILL AREA	A AND SUMP		
В.	Are Su	rough sump mp Pumps C ndicator Ligh	perating	Low	X Normal Yes Yes	X No	
		Pumps P-1 P-2	ETM 54005.6 22784.2	High Temp	Seal Fail	Fault	
Ε.	Check f	Decon-Area for leak in ma f pump is ou	anifold disch	flow out of grav	vel perimeter Ye		
F.	Truck Fi	II Totalizer	853743				
7.	LEACH	ATE STORA	GE CONTA	INMENT AREA	AND SUMP		
В.	Are sun	rough sump np pumps op ndicator Ligh	erating	18133	.5 X Normal Yes Yes	High X No X No	
			ETM 1970.2 3353.1	High Temp	Seal Fail	Fault	
D.	Check I	iquid level in	sump	X Low	High	Other	
		any leak in t I discharge p	the storage to piping	anks and	Yes	X No	
G.	Check is	f a pump is o	out of service)	Pump 1	Pump 2	
8.	CARBO	N ADSROP	TION SYSTE	M			
В.			nisters opera	ating	Yes X Yes	X No	
9.		Blower 1 Blower 2 ACT HP-877	ETM 30806.5 FORCE MA	IN DISCHARG	E TO POTW		
А . В.	Leakage Settleme	e from pipwo ent along alig	rk in valve bo	ox beside Lift S rcemain to Burr	tation No. 1 Avenue manhol	Yes Yes	X No

10. MOTOR CONTROL CENTER (MCC)

Α.	Are all breakers, for the following equiporal Lift Station No. 1 Lift Station No. 2 Decontamination Sump Storage Containment Sump Site Lighting	ment, in the ON position X Yes X Yes X Yes X Yes X Yes X Yes X Yes	on: No No No No No No No
11.	. SECURITY TRAILER AND FENCING		
A.	Sign-In-Review Visitors log and Check-	In with Gaurds	X Yes
	Check cleanliness of trailer Is trailer clean	XYes	No
	Check Collection System Alarm Panel Storage Tank Levels:	1/4	1/2 3/4 Full
	Alarm Indicators: Lift Stations Sumps Storage Tanks	N/A N N/A N N/A N	No /A /A /A been removed from Site
	Is the security fencing surrounding the egood condition		No No
Not	tes: For noted deficiencies and probabilities additional sheets if necessary.	lems provide descripti	on on form DP-1. Attached

Appendix C

Copy of Log Book April 2007

4/3/07 made rounds took flow reading Rovinnet cut out the fabric cloth in the road and Rokel All the dirt smooth 4/4/07 male rounds took flow realing flaces running France All day 4/5/05 made rounds took flow reading tanks Are about half full Adjusted flow from tonks to D-1 dil bineelly inspection 4/9/07 made pounds took flow rending turnel off Decar pumps & LS-1 pump due to heavy rain on sunday Rond C into BD has Anew washout due to rain storm 4/10/07 made rounds dit biw celly inspection restacted Alace took How reading

4/11/02 made munds took flow reading tank levels are about holf Doll Plane's running well roads have dried up from heavy rain on sunday and early monday 4/12/05 made rounds took How realing tanks levels are about 1/4 full Alary ronning well Pete M to solute Ax 4/17/02 made rounds took flow reading did bi weekly inspechen Har's running well 4/16/07 made rounds Hot Flow reading coined All day Places running well 4/17/07

Marcis rounds

Harcis rounds

Harcis rounding well

took delivery of new nitrogen tank for the Har

Raha on site with Dep in spectors for Dye test

Mislor

mode rounds

trob flow reading

Armie from Armodis on site.

Roha on site

Delta Group on site

Rob from Areadis on site

Mislor

made rounds

made rounds took flow reading Rob from areadis on site with Detta Broup to two M.W.s

Male rounds
took flow Brending
del b. weekly inspection
Harris romaing
Rob From Arcadis on site with Delto Broup

Male rounds
took flow reading
with a worked with Rob From Areadis
on M.W.s
Flore's running will

Hook flow reading dit bi- weeklying pechan flores running well

4/05/07 made non di took flow realing flore's running well for isked working with Rob and the delta grace 4/26/05 male rounds tock flow Alares conning well started to rain around grocam 4/27/07 made rounds tock flow reading inspechen there's running well 4/30/07 made rounds tack flow reading Places & rooning well
Rob on site with Mike From Delta group to Video All Mc wells 5/1/07 made rounds took flow reading did be weekly inspection florers conning well moved by D-1 Area