



March 16, 2015



IESI PA Bethlehem Landfill
c/o Mr. Sam Donato, Landfill Manager
2335 Applebutter Road
Bethlehem, PA 18015

Re: Engineer's Monthly Status Report
IESI PA Bethlehem Landfill
Lower Saucon Township, Northampton County
I.D. No. 100020

Dear Mr. Donato:

This Engineer's Status Report is for the month of February. The Engineer's meeting was held at the landfill on Thursday, March 12. There was no monthly meeting in February due to illness. The January and February Engineer's Reports from IESI are both enclosed with this letter. This Report is informational only, without deadlines, and a response is required only if objections are taken to the items mentioned.

A. Pending Permit Applications

1. A major modification for the southeastern realignment was received on January 21.

B. Construction Schedule

1. Cell 4D, Stage 2, interface area was being filled at the time of my visit. Average amount of waste accepted is approximately 1200 tons per day.

C. Groundwater

1. Monitoring Wells: Total number of wells = 29
2. Abatement Wells: Total number of active wells = 10

D. Gas Management

1. There are 140 vertical gas wells and 40 horizontal collectors in operation.

E. Leachate Management

1. The flare was operating at approximately 1818 scfm and 1651°F on the morning of my visit.

S
ROUTING

- Council
- Manager *one*
- Asst. Mgr.
- Zoning
- Finance
- Police
- P. Works
- P/C
- P & R
- EAC
- Engineer
- Solicitor
- Planner
- Landfill
- EMC
- Other

Northeast Regional Office

Web

Mr. Sam Donato

March 16, 2015

2. Average daily leachate flow for February was 29,049 gallons; for January, the average daily leachate flow was 26,830 gallons. Total leachate generated for the month of February was 813,381 gallons, and for January 804,879 gallons, all of which went directly to the Bethlehem wastewater treatment plant.

F. Site Observations

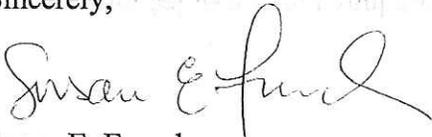
1. Litter: No issues observed.
2. Odor: No offsite odors were detected at the time of this visit. A light gas odor was noticed upon entering the property, near the office. A crew working the day before above the office detected a few areas to be repaired but due to muddiness of the hillside, the work had not been done yet. It will be followed up as soon as possible.
3. Daily Cover: No issues observed.
4. Intermediate Cover: No issues observed.

G. Miscellaneous:

Enclosed as part of this report are the monthly Engineer's Reports from IESI Landfill for January and February, which include site operations, radiation monitoring, truck safety, leachate management, and report submittals.

If you have any questions concerning this report, please contact me.

Sincerely,



Susan E. French
Waste Management Program

Enclosure

cc: Allen Schleyer, IESI PA Bethlehem Landfill (w/enc.)
Lower Saucon Township (w/enc.)
James B. Birdsall, P.E., Hanover Engineering (w/enc.)
Chris Taylor, Hanover Engineering (w/enc.)
Kevin N. Bodner, Martin and Martin, Inc. (w/enc.)

PADEP ENGINEER'S REPORT

January 2015

Date: February, 2015

1.	Site Operations:		
a.	Average Daily Volume		1375
b.	Maximum Daily Volume		1800
c.	Permitted Area		201
d.	Permitted Disposal area		127.5
e.	Capped acres		71.8
f.	Constructed acres		82.7
2.	Radiation Monitoring: January		0
a.	Number of trucks that tripped the monitor		
b.	Number of trucks on hold or rejected		0
3.	Truck Safety & Overweight: January		
a.	Number of Overweight Trucks		23
b.	Number of Trucks Rejected Due To Overweight		0
4.	Leachate Management:		
a.	Type of Discharge	Direct to WWTP	
b.	Total Leachate Generated January gal.		804,879
c.	Untreated Effluent Discharge to WWTP		100%
d.	Average Daily Flow gal.		26,830
e.	Leachate hauled Offsite		0%
f.	Detection zone flow (Max/week in g/a/d) January		
	LMC-6 - (19) LMC-7 - (27) LMC-8 - (482) PS-1 - (2) PS-2 - (<1) PS-3 - (<1)		
5.	Leachate Storage:		
a.	Total Influent Storage Capacity		1,490,000
b.	25% Influent Storage Capacity		372,500
c.	Current Volume Stored est. 20% Stormwater for Dust Control		
6.	Gas Management - .		
a.	Number of vertical wells (LFG extraction wells and cleanouts)		140
b.	Number of horizontal wells		40
7.	Groundwater		
a.	Number of monitoring wells		29
b.	Abatement wells (TW-1 shut off per DEP approval)		10
8.	Reports Submitted:		
	Groundwater	Abatement report	1/16/14
	Air Monitoring	SSM notices	electronic submittal
	Gas Reports	AQ Compliance reports	1/29/15
	Quarterly	4Q14 Facility Report	1/16/15
	Other	Form U App. To P. Jarecki	electronic submittal
		LST recycling report	1/6/15

PADEP ENGINEER'S REPORT

February 2015

Date: March 12, 2015

1.	Site Operations:		
	a.	Average Daily Volume	1375
	b.	Maximum Daily Volume	1800
	c.	Permitted Area	201
	d.	Permitted Disposal area	127.5
	e.	Capped acres	71.8
	f.	Constructed acres	82.7
2.	Radiation Monitoring: February		3
	a.	Number of trucks that tripped the monitor	
	b.	Number of trucks on hold or rejected	0
3.	Truck Safety & Overweight: February		
	a.	Number of Overweight Trucks	32
	b.	Number of Trucks Rejected Due To Overweight	0
4.	Leachate Management:		
	a.	Type of Discharge	Direct to WWTP
	b.	Total Leachate Generated February gal.	813,381
	c.	Untreated Effluent Discharge to WWTP	100%
	d.	Average Daily Flow gal.	29,049
	e.	Leachate hauled Offsite	0%
	f.	Detection zone flow (Max/week in g/a/d) February	
		LMC-6 - (21) LMC-7 - (27) LMC-8 - (423) PS-1 - (1) PS-2 - (<1) PS-3 - (<1)	
5.	Leachate Storage:		
	a.	Total Influent Storage Capacity	1,490,000
	b.	25% Influent Storage Capacity	372,500
	c.	Current Volume Stored est. 20% Stormwater for Dust Control	
6.	Gas Management - .		
	a.	Number of vertical wells (LFG extraction wells and cleanouts)	140
	b.	Number of horizontal wells	40
7.	Groundwater		
	a.	Number of monitoring wells	29
	b.	Abatement wells (TW-1 shut off per DEP approval)	10
8.	Reports Submitted:		
	Groundwater	Abatement report	2/20/14
	Air Monitoring	SSM notices	electronic submittal
	Gas Reports	AQ Compliance reports	2/23/15
	Quarterly	4Q14 Ground Water Report	2/4/15
	Other	Form U App. To P. Jarecki	electronic submittal