



pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION

NORTHEAST REGIONAL OFFICE

March 25, 2014

MAR 23 2014

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 Wednesday, March 12. 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 minor modification for alternate daily covers (ADCs) and use of glass cullet was received on October 7 and was approved for paper sludge and Posi-Shell® as ADCs on March 10.

B. Construction Schedule

1. Regrading in Phase IV pursuant to the minor modification approved last year is continuing. On the day of my visit, IESI was disposing of waste in Cell 4B area.
2. Cell 4E, Section 2, is also now being filled, starting with select waste from residential areas.

C. Groundwater

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

D. Gas Management

1. The flare was operating at 980 scfm and 1645°F on the morning of my visit.

ROUTING

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

2. Several additional vertical gas wells and horizontal collectors are being constructed. I observed well drilling by CBI (formerly Shaw Environmental) in the area of Cell 4A while on a driving tour of the site during my visit. A total of seven vertical and two horizontal collectors will be drilled/installed.

E. Leachate Management

1. Leachate management statistics for February are provided on the attached report from IESI.
2. Average daily leachate flow for February was 53,909 gallons. Total leachate generated for the month was 1,509,465 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.
3. Daily Cover: No issues observed.
4. Intermediate Cover: No issues observed.

If you have any questions concerning this report, please contact me at 570-826-2064.

Sincerely,



Susan E. French
Environmental Engineer
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

February 2014

Date: March 13, 2014

1.	Site Operations:		
a.	Average Daily Volume		1375
b.	Maximum Daily Volume		1800
c.	Permitted Area		201
d.	Permitted Disposal area		99.15
e.	Capped acres		71.8
f.	Constructed acres		70.9
2.	Radiation Monitoring: February		5
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		23
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.		1,509,465
c.	Untreated Effluent Discharge to WWTP		100%
d.	Average Daily Flow gal.		53,909
e.	Leachate hauled Offsite		0%
f.	Detection zone flow (Max/week in g/a/d) February		
	LMC-6 – (17) LMC-7 – (33) LMC-8 – (617) PS-1 – (5) PS-2 – (<1) PS-3 – (13)		
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)		125
b.	Number of horizontal wells		36
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	2/18/14
	Air Monitoring	SSM notices	electronic submittal
	Gas Reports	AIMS AQ Report	2/21/14
	Quarterly	4Q13 Groundwater Report	2/14/14
	Other	Form U App. To P. Jarecki	electronic submittal