

July 7, 2015

IESI PA Bethlehem Landfill
c/o Mr. Al Schleyer, District 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. Schleyer:

This Engineer's Status Report is for the month of May. The Engineer's meeting was held at the landfill on Thursday, June 11. 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 3 was being filled at the time of my visit. Average amount of waste accepted was approximately 800 to 900 tons per day.
2. Construction is continuing on Cell 4E, Stage 3, with a size of approximately 2.5 acres. The projected completion date is October of 2015.

C. Groundwater

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

D. Gas Management

1. Ten new vertical and three horizontal collectors have been drilled and connected. Work was completed on June 19.
2. There are 150 vertical gas wells and 43 horizontal collectors in operation (including those recently constructed).

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

Northeast Regional Office

Mr. Lee Zimmerman

July 7, 2015

E. Leachate Management

1. The flare was operating at approximately 3420 scfm and 1675°F on the morning of my visit. BRE was down for maintenance during the last week. They started up briefly and then shut down again. They were down at the time of my visit.
2. Average daily leachate flow for May was 38,612 gallons. Total leachate generated for the month of May was 1,196,974 gallons, all of which went directly to the Bethlehem wastewater treatment plant.

F. Site Observations

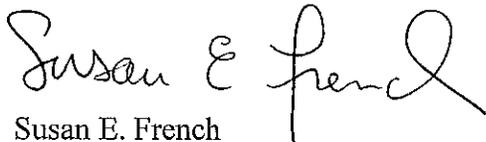
1. Litter: No issues observed.
2. Odor: No offsite odors were detected at the time of this visit.
3. Daily Cover: No issues observed.
4. Intermediate Cover: No issues observed.

G. Miscellaneous:

Enclosed as part of this report is the monthly Engineer's Reports from IESI Landfill for May, which includes 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

May 2015

Date: June 11, 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: May		2
a.	Number of trucks that tripped the monitor		
b.	Number of trucks on hold or rejected		0
3.	Truck Safety & Overweight: May		
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 May gal.		1,196,974
c.	Untreated Effluent Discharge to WWTP		100%
d.	Average Daily Flow gal.		38,612
e.	Leachate hauled Offsite		0%
f.	Detection zone flow (Max/week in g/a/d) May		
	LMC-6 - (39) LMC-7 - (34) LMC-8- (196) PS-1 - (2) PS-2 - (<2) PS-3 - (5)		
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 - Additional wells in construction		
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	5/15/14
	Air Monitoring	SSM notices	electronic submittal
	Gas Reports	LFG -reported quarterly	
	Quarterly	1Q15 DEP Groundwater Report	5/14/15
	Other	Form U App. To P. Jarecki	electronic submittal
		PADEP NOV response letter	5/27/15
		NPDES SW Renewal App.	5/11/15