



November 24, 2015

IESI PA Bethlehem Landfill
c/o Mr. Allen 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 October. The Engineer's meeting was held at the landfill on Thursday, November 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 major modification for the southeastern realignment was received on January 21.

B. Construction Schedule

1. Cell 4D was being filled at the time of my visit. Average amount of waste accepted was approximately 600-800 tons per day.
2. Construction is continuing on Cell 4E, Stage 3. Liner installation is complete. The projected completion date is later this month.
3. Permanent capping on the north slope near the maintenance shop is well underway. On the south slope, temporary capping work is expected to begin the week of November 16.

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 148 vertical gas wells and 43 horizontal collectors in operation.

ROUTING

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

Northeast Regional Office

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Wes

E. Leachate Management

1. The flare was operating at approximately 3154 scfm and 1659°F on the morning of my visit.
2. Average daily leachate flow for October was 24,096 gallons. Total leachate generated for the month of October was 722,884 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 October, 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: 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

October 2015

Date: November 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: October		
a.	Number of trucks that tripped the monitor		0
b.	Number of trucks on hold or rejected		0
3.	Truck Safety & Overweight: October		
a.	Number of Overweight Trucks		4
b.	Number of Trucks Rejected Due To Overweight		0
4.	Leachate Management:		
a.	Type of Discharge	Direct to WWTP	
b.	Total Leachate Generated October gal.		722,884
c.	Untreated Effluent Discharge to WWTP		100%
d.	Average Daily Flow gal.		24,096
e.	Leachate hauled Offsite		0%
f.	Detection zone flow (Max/week in g/a/d) October		
	LMC-6 - (30) LMC-7 - (26) LMC-8 - (375) PS-1 - (1) PS-2 - (<1) PS-3 - (*14)		
	*PS-3 - intercell liner tie-in open for cell construction		
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)		148
b.	Number of horizontal wells		43
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	10/19/15
	Air Monitoring	SSM notices	electronic submittal
	Gas Reports	LFG -reported quarterly	10/19/15
	Quarterly	3Q15 Facility Report	10/19/15
	Other	Form U Submittals	electronic submittal