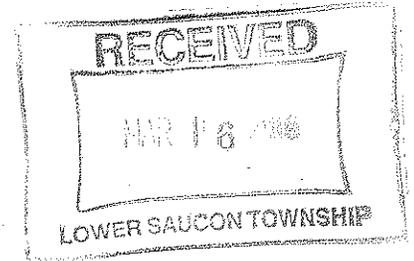




March 14, 2016

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 February. The Engineer's meeting was held at the landfill on Thursday, March 10. 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, 2015.

B. Construction Schedule

1. Cell 4E, Stage 3, was being filled at the time of my visit. Average amount of waste accepted was approximately 600 tons per day.
2. Permanent capping on the north slope near the maintenance shop is over 90 percent complete. The gabion down channel is finished. Top soil will be added soon, weather permitting.
3. On the south slope, temporary capping work was on hold due to the weather at the time of my visit. Placement of 40 mil liner over the 7 1/2 acres is about 90 percent complete. Work is expected to restart within about two weeks.

S

ROUTING

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

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 currently installed; four were decommissioned recently. There are 41 horizontal collectors in operation.

Northeast Regional Office

E. Leachate Management

1. The flare was operating at approximately 3360 scfm and 1657°F on the morning of my visit.
2. Average daily leachate flow for February was 50,050 gallons. Total leachate generated for the month of February was 1,451,488 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 February, 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

February 2016

Date: March 10, 2016

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		
a.	Number of trucks that tripped the monitor		2
b.	Number of trucks on hold or rejected		0
3.	Truck Safety & Overweight: February		
a.	Number of Overweight Trucks		5
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.	1,451,488	
c.	Untreated Effluent Discharge to WWTP	100%	
d.	Average Daily Flow gal.	50,050	
e.	Leachate hauled Offsite	0%	
f.	Detection zone flow (Max/week in g/a/d) February		
	LMC-6 - (66) LMC-7 - (58) LMC-8-- (706) PS-1 - (5) 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% Storm water for Dust Control		
6.	Gas Management - Decommission 3 vertical 1 horizontal add 2 horizontal collectors		
a.	Number of vertical wells (LFG extraction wells and cleanouts)	140	
b.	Number of horizontal wells	41	
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	2/20/16
	Air Monitoring	Annual AIMS-Report	2/26/16
	Quarterly	4Q15 Ground Water Report	2/5/16
	Other	Form U Submittals	electronic submittal

