

August 22, 2016

IESI PA Bethlehem Landfill
c/o Mr. Don Hallock, District General 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. Hallock:

This Engineer's Status Report is for the month of July. The Engineer's meeting was held at the landfill on Thursday, August 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, 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 800-900 tons per day.
2. Cell 4E, Stage 4 cell construction (about 1.4 acres) in the northwest corner of the landfill began on July 18.
3. MSE berm construction, extending the wall westward approximately 400 feet, began on July 18.

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. There are 41 horizontal collectors in operation. Additional wells are planned to be drilled in Cell 4, possibly 8 or more.
2. The flare was operating at approximately 1900 scfm and 1660°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 - web

Northeast Regional Office

eng July 2016

Mr. Don Hallock

August 21, 2016

3. The BRE plant was operational (with one of two compressors running) at the time of my visit. Flow to BRE was approximately 1400 scfm at about 53-54% methane.

E. Leachate Management

1. Average daily leachate flow for July was 34,928 gallons. Total leachate generated for the month was 1,082,823 gallons, all of which went directly to the Bethlehem wastewater treatment plant.

F. Site Observations

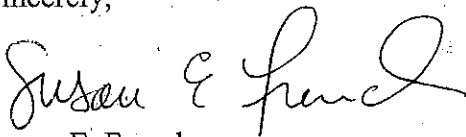
1. Litter: No issues observed.
2. Odor: No offsite odors were detected at the time of this visit.
3. Daily Cover: No issues observed.
4. Intermediate Cover: No issues observed.

G. Miscellaneous:

Enclosed as part of this report is the monthly Engineer's Reports from IESI Landfill for July, 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: Nicholas Rogers, IESI PA 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

July 2016

Date: August 11, 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: July		
a.	Number of trucks that tripped the monitor		0
b.	Number of trucks on hold or rejected		0
3.	Truck Safety & Overweight: July		
a.	Number of Overweight Trucks		10
b.	Number of Trucks Rejected Due To Overweight		0
4.	Leachate Management:		
a.	Type of Discharge	Direct to WWTP	
b.	Total Leachate Generated gal.		1,082,823
c.	Untreated Effluent Discharge to WWTP		100%
d.	Average Daily Flow gal.		34,928
e.	Leachate hauled Offsite		0%
f.	Detection zone flow (Max/week in g/a/d) July		
	LMC-6 – (7.5) LMC-7 – (7) LMC-8– (5.3) 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% 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		
	Leachate	Discharge Flow Report to DEP	7/20/16
	Quarterly	2Q16 DEP Facility Report	7/20/16
	Other	Form U Submittals	electronic submittal

-Landfill continues to fill in cell 4-E-3

-NAPA Construction began building cell 4-E-4 on July 18th.

-NAPA Construction began construction of MSE wall on the northeast side of landfill on July 18th.

-Flare actuator replaced on inlet valve by SCSFS on August 1st.

-Flare burner tips cleaned and restored by SCSFS on August 5th.