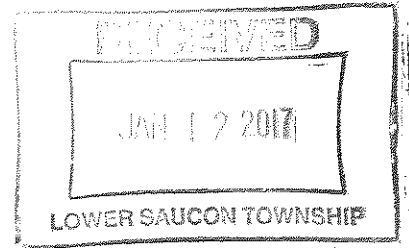




January 4, 2017

Mr. Don Hallock, District General Manager
IESI PA Bethlehem Landfill
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 November. The Engineer's meeting was held at the landfill on Thursday, December 8. 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.
2. A Form 37 construction certification for Cell 4E/F Remainder was received on November 8 and was approved on November 29.

B. Construction Schedule

1. Cell 4E, Stage 4, was being filled at the time of my visit. Average amount of waste accepted was approximately 1000 to 1200 tons per day.

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 144 vertical gas wells currently installed. There are 43 horizontal collectors in operation (one was removed and two added in November). A total of five vertical wells were decommissioned and replaced, and four new ones were drilled in November. Piping and related work will take another two to three weeks. A revised map of the gas well system will be produced after work is completed.

Northeast Regional Office

2 Public Square | Wilkes-Barre, PA 18701-1915 | 570.826.2511 | Fax 570.826.5448 | www.dep.pa.gov

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

Mr. Don Hallock

January 4, 2017

2. The flare was operating at approximately 850 to 900 scfm and 1650°F on the morning of my visit.
3. The BRE plant was fully operational at the time of my visit. Flow to BRE was approximately 2300 scfm at about 52% methane.

E. Leachate Management

1. Average daily leachate flow for November was 18,785 gallons. Total leachate generated for the month was 563,537 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 November, 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

November 2016

Date: December 8, 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: November		
a.	Number of trucks that tripped the monitor		1
b.	Number of trucks on hold or rejected		0
3.	Truck Safety & Overweight: November		
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 November gal.		563,537
c.	Untreated Effluent Discharge to WWTP		100%
d.	Average Daily Flow gal.		18,785
e.	Leachate hauled Offsite		0%
f.	Detection zone flow (Max/week in g/a/d) October		
	LMC-6 - (3.5) LMC-7 - (9.9) LMC-8 - (42.5) 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)	144	
b.	Number of horizontal wells	42	
7.	Groundwater		
a.	Number of monitoring wells		29
b.	Abatement wells (TW-1 shut off per DEP approval)		10
8.	Reports Submitted:		
	Groundwater	3Q16 Groundwater Report	11/15/16
	Leachate	City of Allentown Leachate Rpt.	11/30/16
	Quarterly		
	Other	Form U Submittals	electronic submittal