



# pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION

October 16, 2014

IESI PA Bethlehem Landfill  
c/o Mr. Sam Donato, Landfill 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. Donato:

This Engineer's Status Report is for the month of September. The Engineer's meeting was held at the landfill on Thursday, October 9. 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. None pending at this time.

### B. Construction Schedule

1. Cell 4E, Stage 2 was being filled at the time of my visit.

### C. Groundwater

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

### D. Gas Management

1. The larger blower was operating on the day of my visit; the flow was 2790 scfm at 1645°F.
2. There are 132 vertical gas wells and 39 horizontal collectors in operation.

### E. Leachate Management

1. Average daily leachate flow for September was 30,864 gallons. Total leachate generated for the month was 925,928 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.

#### ROUTING

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

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Mr. Sam Donato

October 16, 2014

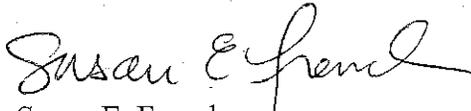
3. Daily Cover: No issues observed.
4. Intermediate Cover: No issues observed.

**G. Miscellaneous:**

Enclosed as part of this report is the monthly Engineer's Report from IESI Landfill for September, 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

September 2014

Date: October 9, 2014

1.	Site Operations:		
	a.	Average Daily Volume	1375
	b.	Maximum Daily Volume	1800
	c.	Permitted Area	201
	d.	Permitted Disposal area	99.15
	e.	Capped acres	71.8
	f.	Constructed acres	70.9
2.	Radiation Monitoring: <b>September</b>		1
	a.	Number of trucks that tripped the monitor	
	b.	Number of trucks <b>on hold</b> or rejected	0
3.	Truck Safety & Overweight: <b>September</b>		
	a.	Number of Overweight Trucks	39
	b.	Number of Trucks Rejected Due To Overweight	0
4.	Leachate Management:		
	a.	Type of Discharge	Direct to WWTP
	b.	Total Leachate Generated <b>September</b> gal.	925,928
	c.	Untreated Effluent Discharge to WWTP	100%
	d.	Average Daily Flow gal.	30,864
	e.	Leachate hauled Offsite	0%
	f.	Detection zone flow (Max/week in g/a/d) <b>September</b>	
		LMC-6 - (10) LMC-7 - (22) LMC-8 - (18) 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 <b>est. 20% Stormwater for Dust Control</b>	
6.	Gas Management - <b>Currently constructing new lfg wells.</b>		
	a.	Number of vertical wells (LFG extraction wells and cleanouts)	132
	b.	Number of horizontal wells	39
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	9/17/14
	Air Monitoring	SSM notices	electronic submittal
	Gas Reports	Due in quarterly	Due 10/20/14
	Quarterly	3Q14 Facility Report	Due 10/20/14
	Other	Form U App. To P. Jarecki	electronic submittal