



November 25, 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 October. The Engineer's meeting was held at the landfill on Thursday, November 13. 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 construction certification for Phase XIV final capping was received on October 17 and approved on October 28.

B. Construction Schedule

1. Cell 4E, Stage 2 was being filled at the time of my visit.
2. Regrading in the Cell 4F area is completed. Seeding will be done in the spring.

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 and 40 horizontal collectors in operation.

E. Leachate Management

1. The flare was operating at 1570 scfm and 1655°F on the morning of my visit.
2. Average daily leachate flow for October was 33,872 gallons. Total leachate generated for the month was 1,050,053 gallons, all of which went directly to the Bethlehem wastewater treatment plant.

ROUTING

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

Mr. Sam Donato

November 25, 2014

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 Report 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: 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

October 2014

Date: November 13, 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: October		1
a.	Number of trucks that tripped the monitor		
b.	Number of trucks on hold or rejected		0
3.	Truck Safety & Overweight: October		
a.	Number of Overweight Trucks		42
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.		1,050,053
c.	Untreated Effluent Discharge to WWTP		100%
d.	Average Daily Flow gal.		33,872
e.	Leachate hauled Offsite		0%
f.	Detection zone flow (Max/week in g/a/d) October		
	LMC-6 - (8) LMC-7 - (22) LMC-8 - (26) 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% Stormwater for Dust Control		
6.	Gas Management - .		
a.	Number of vertical wells (LFG extraction wells and cleanouts)		140
b.	Number of horizontal wells		40
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	10/20/14
	Air Monitoring	SSM notices	electronic submittal
	Gas Reports	Due in quarterly	10/17/14
	Quarterly	3Q14 Facility Report	10/17/14
	Other	Form U App. To P. Jarecki	electronic submittal
		DEP AQ Inspection SEM Rpt.	10/14/14