



pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION

December 15, 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 November. The Engineer's meeting was held at the landfill on Friday, December 12. 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. Nothing pending at this time.

B. Construction Schedule

1. Cell 4E, Stage 2 was being filled at the time of my visit. Average amount of waste accepted is approximately 1200 to 1300 tons per day.
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 approximately 1000 scfm and 1650°F on the morning of my visit. It was shut down briefly that day to replace a thermocouple.
2. Average daily leachate flow for November was 29,899 gallons. Total leachate generated for the month was 896,971 gallons, all of which went directly to the Bethlehem wastewater treatment plant.

S
ROUTING

Council

Manager

Asst. Mgr.

Zoning

Finance

Police

P. Works

P/C

P & R

EAC

Engineer

Solicitor

Planner

Landfill

EMC

Other

Web

Mr. Sam Donato

December 15, 2014

F. Site Observations

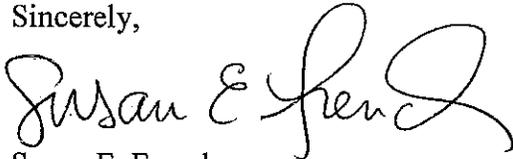
1. Litter: No issues observed.
2. Odor: No offsite odors were detected at the time of this visit. A light gas odor was noticed upon entering the property, near the office. A crew working the day before above the office detected a few areas to be repaired but due to muddiness of the hillside, the work had not been done yet. It will be followed up as soon as possible.
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 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: 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

November 2014

Date: December 12, 2014

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		1
a.	Number of trucks that tripped the monitor		
b.	Number of trucks on hold or rejected		0
3.	Truck Safety & Overweight: November		
a.	Number of Overweight Trucks		22
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.		896,971
c.	Untreated Effluent Discharge to WWTP		100%
d.	Average Daily Flow gal.		29,899
e.	Leachate hauled Offsite		0%
f.	Detection zone flow (Max/week in g/a/d) November		
	LMC-6 - (6) LMC-7 - (14) LMC-8 - (54) 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	11/20/14
	Air Monitoring	SSM notices	electronic submittal
	Gas Reports	DEP AQ Inspection SEM Rpt due	12/2014
	Quarterly	3Q14 Groundwater Report	11/03/14
	Other	Form U App. To P. Jarecki	electronic submittal