



pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION
NORTHEAST REGIONAL OFFICE

February 28, 2013



Mr. Sam Donato, Landfill 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. Donato:

This Engineer's Status Report is for the month of January. The Engineer's meeting was held at the landfill on Thursday, February 14. 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 minor permit modification for final grade adjustment in Phase IV was received on January 16 and is under review.

B. Construction Schedule

1. Currently disposing of waste in Cell 4D and 4E.

S

C. Groundwater

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

1. Monitoring Wells: Total number of wells = 29
2. Abatement Wells: Total number of active wells = 10
3. Quarterly groundwater monitoring for first quarter 2013 is scheduled for the week of March 18.

D. Gas Management

1. The power plant (BRE/PEPCO) is still down. The flare was running at about 2,400 scfm on the date of our visit.
2. Currently there are 121 vertical gas wells (including extraction and cleanouts) and 33 horizontal gas wells. Three horizontal wells were added to the Cell 4F area.

Orig

Website

E. Leachate Management

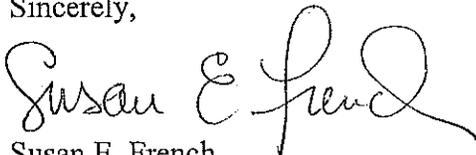
1. Leachate management statistics for January are provided on the attached report from IESI.
2. Average daily leachate flow for January was 27,060 gallons. Total leachate generated for the month was 838,872 gallons, all of which went directly to the Bethlehem wastewater treatment plant.

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.

If you have any questions concerning this report, please contact me at 570-826-2064.

Sincerely,



Susan E. French
Environmental Engineer
Waste Management Program

Enclosure

cc: Mr. Allen Schleyer/IESI PA Bethlehem Landfill (w/enc.)
Lower Saucon Township (w/enc.)
Mr. James B. Birdsall, P.E./Hanover Engineering (w/enc.)
Mr. Chris Taylor/Hanover Engineering (w/enc.)
Mr. Kevin N. Bodner/Martin and Martin, Inc. (w/enc.)

PADEP ENGINEER'S REPORT

January 2013

Date: February 14, 2013

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		70
f.	Constructed acres		70.9
2.	Radiation Monitoring: January		2
a.	Number of trucks that tripped the monitor		
b.	Number of trucks on hold or rejected		0
3.	Truck Safety & Overweight: January		
a.	Number of Overweight Trucks		35
b.	Number of Trucks Rejected Due To Overweight		0
4.	Leachate Management:		
a.	Type of Discharge	Direct to WWTP	
b.	Total Leachate Generated January gal.		838,872
c.	Untreated Effluent Discharge to WWTP		100%
d.	Average Daily Flow gal.		27,060
e.	Leachate hauled Offsite		0%
f.	Detection zone flow (Max/week in g/a/d) January		
	LMC-6 - (20) LMC-7 - (11) LMC-8- (460) PS-1 - (1) PS-2 - (0) PS-3 - (0)		
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)		121
b.	Number of horizontal wells		33
7.	Groundwater		
a.	Number of monitoring wells		29
b.	Abatement wells (TW-1 shut off per DEP approval)		10
8.	Reports Submitted:		
a.	Groundwater	Abatement report	1/16/13
b.	Air Monitoring	SSM notices	electronic submittal
c.	Gas Reports	LFG well construction	1/24/13
d.	Quarterly	4Q12 DEP Facility Report	1/18/13
e.	Other	Form U App. To P. Jarecki	electronic submittal
		Form U to LST	electronic submittal
		GP 3 / 9 crusher renewal permits	1/28/13
		PPC Plan	1/18/13