



pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION

NORTHEAST REGIONAL OFFICE

AUG 20 2012

August 15, 2012

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 July. The Engineer's meeting was held at the landfill on Thursday, August 9, 2012. 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. The minor modification submitted on December 19, 2011, for the change to the grade of the boundary of Cell 4E (Westerly Anchor Trench), Phase IV, is under review.
2. The operating permit renewal for the landfill was received on July 6. The current permit expires in April of 2013.
3. A construction certification for the Phase XI cap work was received on July 12.

B. Construction Schedule

1. Currently disposing of waste in Cells 4B, 4D, and 4F.
2. Construction of Cell 4E is continuing. On the day of our visit, we observed that the protective cover was completed. The leachate collection system and pump house construction are the next steps.

C. Groundwater

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

D. Gas Management

During the past month, the power plant (BRE/PEPCO) conducted test runs and encountered some problems leading to their generator needing to be rebuilt. This has

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been completed, and test runs are expected to start during the week of August 13. Meanwhile, the flare was running at about 2,230 scfm on the date of our visit.

E. Leachate Management

1. Leachate management statistics for July are provided on the attached report from IESI.
2. Average daily leachate flow for July was 20,827 gallons. Total leachate generated for the month was 645,654 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.
5. The C/D waste material quarantined since January remains at the site. Off-site radwaste processors in Tennessee have been identified for sorting out non-contaminated debris from the container to lessen the amount of radwaste to be ultimately disposed. The contractor anticipates that the material may be moved by late August or early September.

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: 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. Bödner, Martin and Martin, Inc. (w/enc.)

PADEP ENGINEER'S REPORT

July 2012

Date: August 9, 2012

1.	Site Operations:		
a.	Average Daily Volume		1375
b.	Maximum Daily Volume		1800
c.	Permitted Area		201
d.	Permitted Disposal area		95
e.	Capped acres		70
f.	Constructed acres		70.9
2.	Radiation Monitoring: July		
a.	Number of trucks that tripped the monitor		0
b.	Number of trucks on hold or rejected		0
3.	Truck Safety & Overweight:		
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 July gal.		645,654
c.	Untreated Effluent Discharge to WWTP		100 %
d.	Average Daily Flow gal.		20,827
e.	Leachate hauled Offsite		0 %
f.	Detection zone flow (Max/week in g/a/d) July		
	LMC-6 - (7) LMC-7 - (13) LMC-8- (38) PS-1 - (1) PS-2 - (<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)		112
b.	Number of horizontal wells		30
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	7/17/12
b.	Air Monitoring	SSM notices	electronic submittal
c.	Gas Reports	submitted quarterly	7/19/12
d.	Quarterly	2Q12 PADEP Facility Report	7/19/12
e.	Other	Form U App. To P. Jarecki	electronic submittal
		Form U to LST	electronic submittal
		IESI Permit # 100020 renewal application	7/5/12