

DEC 28 2015

December 23, 2015

IESI PA Bethlehem Landfill  
c/o Mr. Allen Schleyer, District 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. Schleyer:

This Engineer's Status Report is for the month of November. The Engineer's meeting was held at the landfill on Thursday, December 10. 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 major modification for the southeastern realignment was received on January 21.
2. A construction certification for Cell 4E, Stage 3, was received on December 9 and is under review. Supplemental information was received on December 21.

**B. Construction Schedule**

1. Cell 4B was being filled at the time of my visit. Average amount of waste accepted was approximately 600-800 tons per day.
2. Permanent capping on the north slope near the maintenance shop is ongoing.
3. On the south slope, temporary capping work is underway. The liner crew was on site on the day of my visit and planned to work through the weekend, due to favorable weather. The estimated completion date is approximately December 20.

**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 144 vertical gas wells currently installed; four were decommissioned recently. There are 40 horizontal collectors in operation; two additional horizontal

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Northeast Regional Office

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Mr. Allen Schleyer

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collectors will be installed this month to address areas identified by recent surface monitoring by the Department.

**E. Leachate Management**

1. The flare was operating at approximately 3055 scfm and 1656°F on the morning of my visit.
2. Average daily leachate flow for November was 31,580 gallons. Total leachate generated for the month of November was 947,405 gallons, all of which went directly to the Bethlehem wastewater treatment plant.

**F. Site Observations**

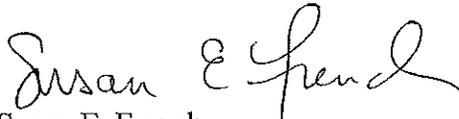
1. Litter: No issues observed.
2. Odor: No offsite odors were detected at the time of this visit.
3. Daily Cover: No issues observed.
4. Intermediate Cover: No issues observed.

**G. Miscellaneous:**

Enclosed as part of this report is the monthly Engineer's Reports 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: 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 2015

Date: December 10, 2015

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**

a.	Number of trucks that tripped the monitor	1
b.	Number of trucks <b>on hold</b> or rejected	0
  
3. Truck Safety & Overweight: **November**

a.	Number of Overweight Trucks	5
b.	Number of Trucks Rejected Due To Overweight	0
  
4. Leachate Management:
 

a.	Type of Discharge	<b>Direct to WWTP</b>
b.	Total Leachate Generated <b>November</b> gal.	947,405
c.	Untreated Effluent Discharge to WWTP	100%
d.	Average Daily Flow gal.	31,580
e.	Leachate hauled Offsite	0%
f.	Detection zone flow (Max/week in g/a/d) <b>November</b>	
	LMC-6 -- (26) LMC-7 -- (213) LMC-8-- (337) PS-1 -- (3) 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 - Decommission 3 vertical, 4 horizontal wells in capping areas.
 

a.	Number of vertical wells (LFG extraction wells and cleanouts)	144
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	11/20/15
Air Monitoring	SSM notices	electronic submittal
Gas Reports	LFG -reported quarterly	due 1/20/16
Quarterly	3Q15 Groundwater Report	11/11/15
Other	Form U Submittals	electronic submittal