

September 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 August. The Engineer's meeting was held at the landfill on Tuesday, September 15. 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 minor modification for temporary capping was received on August 21 and approved on September 14.

**B. Construction Schedule**

1. Cells 4B and 4D were being filled at the time of my visit. Average amount of waste accepted was approximately 800-1000 tons per day.
2. Construction is continuing on Cell 4E, Stage 3. The pace of construction has increased due to better weather. The projected completion date is November of 2015.

ROUTING

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

**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 148 vertical gas wells and 43 horizontal collectors in operation.

Northeast Regional Office

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Mr. Allen Schleyer

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**E. Leachate Management**

1. The flare was operating at approximately 3462 scfm and 1667°F on the morning of my visit.
2. Average daily leachate flow for August was 25,260 gallons. Total leachate generated for the month of August was 794,127 gallons, all of which went directly to the Bethlehem wastewater treatment plant.

**F. Site Observations**

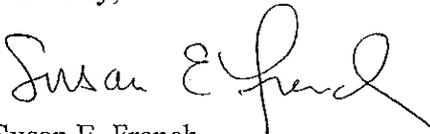
1. Litter: No issues observed.
2. Odor: No offsite odors were detected at the time of this visit.
3. Daily Cover: No issues observed.
4. Intermediate Cover: No issues observed.

**G. Miscellaneous:**

Enclosed as part of this report is the monthly Engineer's Reports from IESI Landfill for August, 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

August 2015

Date: September 15, 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
  
  - a. Radiation Monitoring: August
  - b. Number of trucks that tripped the monitor 5 (1 was the driver)
  - c. Number of trucks on hold or rejected 0
  
2. Truck Safety & Overweight: August
  - a. Number of Overweight Trucks 34
  - b. Number of Trucks Rejected Due To Overweight 0
  
3. Leachate Management:
  - a. Type of Discharge Direct to WWTP
  - b. Total Leachate Generated August gal. 794,127
  - c. Untreated Effluent Discharge to WWTP 100%
  - d. Average Daily Flow gal. 25,620
  - e. Leachate hauled Offsite 0%
  - f. Detection zone flow (Max/week in g/a/d) August  
LMC-6 - (19) LMC-7 - (34) LMC-8 - (87) PS-1 - (3) PS-2 - (<1) PS-3 - (7)
  
4. 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
  
5. Gas Management -
  - a. Number of vertical wells (LFG extraction wells and cleanouts) 148
  - b. Number of horizontal wells 43
  
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	8/20/15
Air Monitoring	SSM notices	electronic submittal
Gas Reports	LFG -reported quarterly	
Quarterly	3Q15 Facility Report	due 10/20/15
Other	Form U Submittals	electronic submittal
	PADEP AQ Permit Fee	8/30/15

