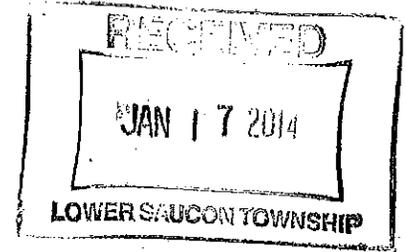




# pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION

NORTHEAST REGIONAL OFFICE



January 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 December, 2013. The Engineer's meeting was held at the landfill on Thursday, January 9. 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 modification for alternate daily covers and use of glass cullet was received on October 7 and is under review.

### B. Construction Schedule

1. Regrading in Phase IV pursuant to the minor modification approved earlier this year is continuing. As of the date of our visit, IESI was disposing of waste in Cell 4F area.
2. Final capping in Cell 4C area is essentially finished. They will add mulch as weather permits.

### C. Groundwater

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

### D. Gas Management

1. The flare was shut down on the morning of our visit due to higher than desired oxygen readings at BRE. The landfill expects to restart the blower later in the day.
2. Currently there are 125 vertical gas wells and 36 horizontal gas wells.

#### ROUTING

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

2 Public Square | Wilkes-Barre, PA 18701-1915

Website

**E. Leachate Management**

1. Leachate management statistics for December are provided on the attached report from IESI.
2. Average daily leachate flow for December was 45,800 gallons. Total leachate generated for the month was 1,465,545 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: 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

December 2013

Date: January 9, 2014

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 71.8
  - f. Constructed acres 70.9
  
2. Radiation Monitoring: December 4
  - a. Number of trucks that tripped the monitor 0
  - b. Number of trucks on hold or rejected 0
  
3. Truck Safety & Overweight: December
  - 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 December gal. 1,465,545
  - c. Untreated Effluent Discharge to WWTP 100%
  - d. Average Daily Flow gal. 45,800
  - e. Leachate hauled Offsite 0%
  - f. Detection zone flow (Max/week in g/a/d) December  
LMC-6 - (7) LMC-7 - (25) LMC-8 - (396) PS-1 - (1) PS-2 - (1) PS-3 - (16.8)
  
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) 125
  - b. Number of horizontal wells 36
  
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 12/20/13
  - b. Air Monitoring SSM notices electronic submittal
  - c. Gas Reports LFG Well Drawing 12/13/13  
Quarterly 3Q13 Groundwater Report 11/21/13
  - d. Other Form U App. To P. Jarecki electronic submittal