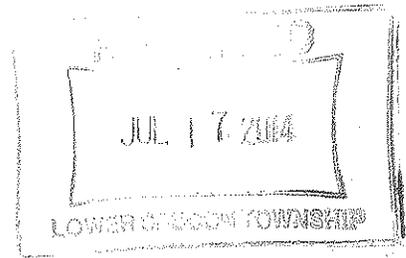




# pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION

NORTHEAST REGIONAL OFFICE



July 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 June. The Engineer's meeting was held at the landfill on Thursday, July 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. None pending at this time.

### B. Construction Schedule

1. Regrading in Phase IV pursuant to the minor modification approved last year is finished. Soil spreading and seeding will take place as weather permits. Recent rainfall has necessitated additional grading and repairs before seeding can be done.
2. Cell 4E, Stage 1 is now being filled.
3. Phase XIII final capping on the south slope (Cell 4C and parts of 4A and 4B) is still underway. It comprises about two acres.

### 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 operating at 1658 scfm and 1661°F on the morning of my visit.
2. There are 132 vertical gas wells and 39 horizontal collectors in operation.

S

#### ROUTING

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

Web

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

**E. Leachate Management**

1. Average daily leachate flow for June was 35,000 gallons. Total leachate generated for the month was 1,050,092 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. At the time of our visit, odor control misters were in operation at the back fence.
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 Report from IESI Landfill for June, 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: 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

June 2014

Date: July 10, 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: **June** 5
  - a. Number of trucks that tripped the monitor
  - b. Number of trucks **on hold** or rejected 0
  
3. Truck Safety & Overweight: **June**
  - a. Number of Overweight Trucks 25
  - b. Number of Trucks Rejected Due To Overweight 0
  
4. Leachate Management:
  - a. Type of Discharge Direct to WWTP
  - b. Total Leachate Generated **June** gal. 1,050,092
  - c. Untreated Effluent Discharge to WWTP 100%
  - d. Average Daily Flow gal. 35,000
  - e. Leachate hauled Offsite 0%
  - f. Detection zone flow (Max/week in g/a/d) **June**  
LMC-6 - (32) LMC-7 - (39) LMC-8- (407) PS-1 - (2) 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 **est. 20% Stormwater for Dust Control**
  
6. Gas Management -
  - a. Number of vertical wells (LFG extraction wells and cleanouts) 132
  - b. Number of horizontal wells 39
  
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	6/17/14
Air Monitoring	SSM notices	electronic submittal
Gas Reports	submitted with quarterly report	
Quarterly	2Q14 DEP Facility Report	due 7/21/14
Other	Form U App. To P. Jarecki	electronic submittal