



pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION

SEP 25 2014

September 23, 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 August. The Engineer's meeting was held at the landfill on Thursday, September 11. 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. Spreading of topsoil has started on the NW first bench and slope along the MSE wall (Cell 4F) and working east into the area regraded last year.
2. Cell 4E, Stage 2 working into Stage 1 was being filled at the time of my visit.

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 1443 scfm and 1635°F on the morning of my visit.
2. There are 132 vertical gas wells and 39 horizontal collectors in operation.

ROUTING

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

Northeast Regional Office

2 Public Square | Wilkes-Barre, PA 18701-1915 | 570.826.2511 | Fax 570.826.5448 | www.depweb.state.pa.us

E. Leachate Management

1. Average daily leachate flow for August was 30,125 gallons. Total leachate generated for the month was 903,806 gallons, all of which went directly to the Bethlehem wastewater treatment plant.

F. Site Observations

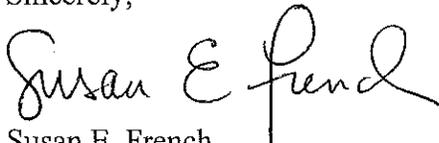
1. Litter: No issues observed.
2. Odor: No offsite odors were detected at the time of this visit. Daily Cover: No issues observed.
3. Intermediate Cover: No issues observed.

G. Miscellaneous

Enclosed as part of this report is the monthly Engineer's Report 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 at 570-826-2064.

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

August 2014

Date: September 11, 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: August 2
 - a. Number of trucks that tripped the monitor
 - b. Number of trucks **on hold** or rejected 0

3. Truck Safety & Overweight: August
 - a. Number of Overweight Trucks 35
 - b. Number of Trucks Rejected Due To Overweight 0

4. Leachate Management:
 - a. Type of Discharge Direct to WWTP
 - b. Total Leachate Generated August gal. 903,806
 - c. Untreated Effluent Discharge to WWTP 100%
 - d. Average Daily Flow gal. 30,125
 - e. Leachate hauled Offsite 0%
 - f. Detection zone flow (Max/week in g/a/d) August
LMC-6 - (14) LMC-7 - (28) LMC-8 - (23) PS-1 - (1) 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 - **Currently constructing new lfg wells.**
 - 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	8/18/14
Air Monitoring	SSM notices	electronic submittal
Gas Reports	LFG well construction notice	8/20/14
Quarterly	2Q14 GW Report	8/6/14
Other -	Form U App. To P. Jarecki	electronic submittal

