

February 19, 2016

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 January. The Engineer's meeting was held at the landfill on Wednesday, February 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, 2015.
2. A construction certification for removal of the temporary liner berm at Cell 4E, Stage 3, was received on February 10 and approved on February 11.

B. Construction Schedule

1. Cell 4E, Stage 3, was being filled at the time of my visit. Average amount of waste accepted was approximately 500 tons per day.
2. Permanent capping on the north slope near the maintenance shop is over 90 per cent complete. Currently a gabion down channel is being finished. Top soil will be added soon, weather permitting.
3. On the south slope, temporary capping work was on hold due to the weather at the time of my visit. Placement of 40 mil liner over the 7 1/2 acres is about 90 per cent complete.

C. Groundwater

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

ROUTING

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

Webster

Northeast Regional Office

RECEIVED

D. Gas Management

1. There are 140 vertical gas wells currently installed; four were decommissioned recently. There are 41 horizontal collectors in operation.

E. Leachate Management

1. The flare was operating at approximately 2500 scfm and 1663°F on the morning of my visit.
2. Average daily leachate flow for January was 37,538 gallons. Total leachate generated for the month of January was 1,163,678 gallons, all of which went directly to the Bethlehem wastewater treatment plant.

F. Site Observations

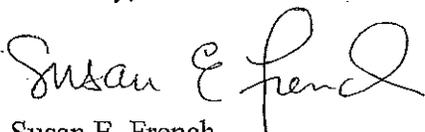
1. Litter: No issues observed.
2. Odor: No offsite odors were detected at the time of this visit.
3. Daily Cover: No issues observed.
4. Intermediate Cover: No issues observed.

G. Miscellaneous:

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

January 2016

Date: February 11, 2016

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: **January**
 - a. Number of trucks that tripped the monitor 0
 - b. Number of trucks on hold or rejected 0

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

4. Leachate Management:
 - a. Type of Discharge **Direct to WWTP**
 - b. Total Leachate Generated **January gal. 1,163,678**
 - c. Untreated Effluent Discharge to WWTP **100%**
 - d. Average Daily Flow gal. **37,538**
 - e. Leachate hauled Offsite **0%**
 - f. Detection zone flow (Max/week in g/a/d) **January**
LMC-6 - (54) LMC-7 - (97) LMC-8- (416) 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 **est. 20% Storm water for Dust Control**

6. Gas Management - Decommission 3 vertical 1 horizontal add 2 horizontal collectors
 - a. Number of vertical wells (LFG extraction wells and cleanouts) **140**
 - b. Number of horizontal wells **41**

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	1/19/16
Air Monitoring	T-V Annual Report	1/29/16
Gas Reports	LFG -reported quarterly	1/19/16
Quarterly	4Q15 Facility Report	1/19/16
Other	Form U Submittals	electronic submittal