

March 29, 2018

Mr. Don Hallock, District General Manager
IESI PA Bethlehem Landfill
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. Hallock:

This Engineer's Status Report is for the month of February. The Engineer's meeting was held at the landfill on Tuesday, March 27. The Department's Environmental Trainee, Teresa Cirnic, from the Bethlehem District Office, also attended the meeting for training purposes. 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. Nothing pending at this time.

B. Construction Schedule

1. Construction in the southeast realignment area has stopped due to weather.
2. Cell 4B/4D were being filled at the time of my visit. Average amount of waste accepted was approximately 1300 tons per day.

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 107 vertical gas wells currently installed. There are 44 horizontal collectors in operation. An additional 10 to 14 new wells will be drilled in the next month, mainly in the Cell 4B/4D areas.
2. The flare was operating at approximately 1450 scfm and 1652°F at the time of my visit.
3. The BRE plant was operating at 1500 scfm at the time of my visit. No odors were observed outside the plant at that time. One compressor is down.

- S
ROUTING
- Council
 - Manager *o/b*
 - Asst. Mgr.
 - Zoning
 - Finance
 - Police
 - P: Works
 - P/C
 - P & R
 - EAC
 - Engineer
 - Solicitor
 - Planner
 - Landfill
 - EMC
 - Other *Web*

Northeast Regional Office

Mr. Don Hallock

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E. Leachate Management

1. Average daily leachate flow for the month of February was 74,039 gallons; the total leachate generated for the month was 2,073,100 gallons.

All flows went directly to the Bethlehem wastewater treatment plant.

F. Site Observations

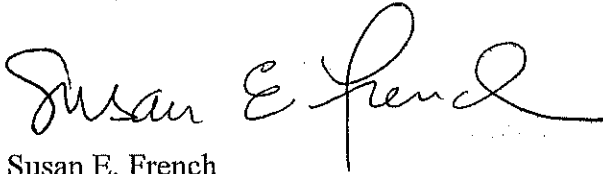
1. Litter: No issues observed.
2. Odor: No offsite odors were detected at the time of this visit.
3. Daily Cover: No issues observed.
4. Intermediate Cover: No issues observed.

G. Miscellaneous:

Enclosed as part of this report is the monthly Engineer's Report from IESI Landfill for February, 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: Nicholas Rogers, IESI PA Landfill (w/enc.)
Dave Pannucci, IESI PA Landfill (w/enc.)
Ms. Leslie Huhn, Lower Saucon Township (w/enc.)
Chris Taylor, Hanover Engineering (w/enc.)
Kevin N. Bodner, Martin and Martin, Inc. (w/enc.)

PADEP ENGINEER'S REPORT

February 2018

Date: March 26, 2018

1. Site Operations:
 - a. Average Daily Volume 1375
 - b. Maximum Daily Volume 1800
 - c. Permitted Area 201
 - d. Permitted Disposal area 133.5
 - e. Capped acres 71.8
 - f. Constructed acres 82.7

2. Radiation Monitoring: **February**
 - a. Number of trucks that tripped the monitor 4
 - b. Number of trucks **on hold** or rejected 0

3. Truck Safety & Overweight: **February**
 - a. Number of Overweight Trucks 75
 - b. Number of Trucks Rejected Due To Overweight 0

4. Leachate Management:
 - a. Type of Discharge **Direct to WWTP**
 - b. Total Leachate Generated **February** gal. 2,073,100
 - c. Untreated Effluent Discharge to WWTP 100%
 - d. Average Daily Flow gal. 74,039
 - e. Leachate hauled Offsite 0%
 - f. Detection zone flow (Max/week in g/a/d) **February**
LMC-6 – (2.3) LMC-7 – (47.8) LMC-8 – (336.8) PS-1 – (3.4) 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 – Decommissioned 6 vertical and 6 horizontal wells ✓
 - a. Number of vertical wells (LFG extraction wells and cleanouts) 107
 - b. Number of horizontal wells 44
 - c. Number of Migration wells 17

7. Groundwater
 - a. Number of monitoring wells 29
 - b. Abatement wells (TW-1 shut off per DEP approval) 10

8. Reports Submitted:

Groundwater	Q4 2017 Groundwater Report	
Leachate	Monthly Leachate demand report	
Quarterly		
Other	Form U Submittals	electronic submittal