

September 28, 2016

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 August. The Engineer's meeting was held at the landfill on Tuesday, September 27. 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.

B. Construction Schedule

1. Cell 4E, Stage 3, was being filled at the time of my visit. Average amount of waste accepted was approximately 900-950 tons per day.
2. Cell 4E, Stage 4 cell construction (about 1.4 acres) in the northwest corner of the landfill, begun in mid-July, continues. The slope has been compacted (rolled) in preparation for liner installation.
3. MSE berm construction, extending the wall westward approximately 400 feet, is also progressing. Courses have been laid for the entire length of the extension, and the wall appears over half complete.

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 140 vertical gas wells currently installed. There are 42 horizontal collectors in operation. Additional wells are planned to be drilled in Cell 4, possibly 8 or more, set to begin this fall.

ROUTING

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

Northeast Regional Office

IESI PA Bethlehem Landfill

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2. The flare was operating at approximately 1702 scfm and 1661°F on the morning of my visit.
3. The BRE plant was operational (with one of two compressors running) at the time of my visit. Flow to BRE was approximately 1500 scfm at about 53-54% methane. IESI has been told that the second compressor should be back up this week.

E. Leachate Management

1. Average daily leachate flow for August was 25,205 gallons. Total leachate generated for the month was 781,365 gallons, all of which went directly to the Bethlehem wastewater treatment plant.

F. Site Observations

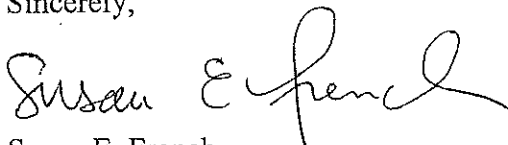
1. Litter: No issues observed.
2. Odor: No offsite odors were detected at the time of this visit.
3. Daily Cover: No issues observed.
4. Intermediate Cover: No issues observed.

G. Miscellaneous:

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

Sincerely,



Susan E. French
Waste Management Program

Enclosure

cc: Nicholas Rogers, IESI PA 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 2016

Date: September 27, 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: **August**
 - a. Number of trucks that tripped the monitor 3
 - b. Number of trucks **on hold** or rejected 0

3. Truck Safety & Overweight: **August**
 - a. Number of Overweight Trucks 6
 - 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.** 781,365
 - c. Untreated Effluent Discharge to WWTP 100%
 - d. Average Daily Flow gal. 25,205
 - e. Leachate hauled Offsite 0%
 - f. Detection zone flow (Max/week in g/a/d) **August**
LMC-6 – (7.8) LMC-7 – (41.9) LMC-8– (35.2) 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% 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 42

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

8. Reports Submitted:

Groundwater	3Q16 Groundwater Report	8/31/16
Leachate	Discharge Flow Report to DEP	8/20/16
Quarterly	2Q16 DEP Facility Report	7/20/16
Other	Form U Submittals	electronic submittal
	Semi Annual Title V Permit	7/31/16
	Annual Mining Permit Fee	8/20/16
	Title V Fees	8/22/16