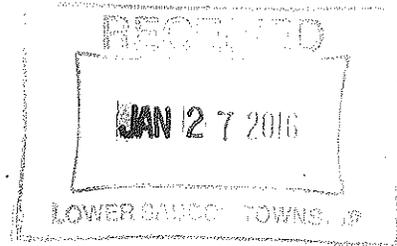




January 25, 2016



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 December, 2015. The Engineer's meeting was held at the landfill on Thursday, January 14. 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 Cell 4E, Stage 3, was received on December 9 and was approved on December 29. This new cell was being filled with select waste at the time of my visit. Rain flap removal is scheduled for about mid-February.

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 about 90 per cent complete. Currently a gabion down channel is being installed. Top soil will be added later, possibly in March, weather permitting.
3. On the south slope, temporary capping work is continuing. Placement of 40 mil liner over the 7 1/2 acres was about 80 per cent complete at the time of my visit. Areas identified by high readings by DEP Air Quality staff are now within capped areas and are sealed with boot liners.

C. Groundwater

1. Monitoring Wells: Total number of wells = 29
2. Abatement Wells: Total number of active wells = 10

S

ROUTING

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

Northeast Regional Office

D. Gas Management

1. There are 140 vertical gas wells currently installed; four were decommissioned recently. There are 41 horizontal collectors in operation (one was decommissioned and two were added).

E. Leachate Management

1. The flare was operating at approximately 3090 scfm and 1653°F on the morning of my visit.
2. Average daily leachate flow for December was 45,450 gallons. Total leachate generated for the month of December was 1,408,920 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 December, 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

December 2015

Date: January 14, 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: **December**
 - a. Number of trucks that tripped the monitor 0
 - b. Number of trucks **on hold** or rejected 0

3. Truck Safety & Overweight: **December**
 - a. Number of Overweight Trucks 5
 - b. Number of Trucks Rejected Due To Overweight 0

4. Leachate Management:
 - a. Type of Discharge **Direct to WWTP**
 - b. Total Leachate Generated **December** gal. 1,408,920
 - c. Untreated Effluent Discharge to WWTP 100%
 - d. Average Daily Flow gal. 45,450
 - e. Leachate hauled Offsite 0%
 - f. Detection zone flow (Max/week in g/a/d) **December**
LMC-6 – (50) LMC-7 – (145) LMC-8 – (626) 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% 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	12/20/15
Air Monitoring	SSM notices	electronic submittal
Gas Reports	LFG -reported quarterly	due 1/20/16
Quarterly	4Q15 Facility Report	due 1/20/16
Other	Form U Submittals	electronic submittal
	SER response	12/31/15