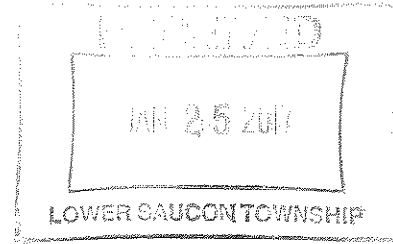




January 20, 2017



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 December. The Engineer's meeting was held at the landfill on Thursday, January 12. 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 4, was being filled at the time of my visit. Average amount of waste accepted was approximately 1000 to 1200 tons per day.
2. A separate scale house is being constructed, across from the office building, based on previously approved specifications.

C. Groundwater

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

5

- ROUTING
- Council
 - Manager *orig.*
 - 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

January 20, 2017

D. Gas Management

1. There are 144 vertical gas wells currently installed. There are 42 horizontal collectors in operation. Piping and related work for the wells installed in November were completed in December. A revised map of the gas well system will be produced.
2. The flare was operating at approximately 2650 scfm and 1668°F on the morning of my visit.
3. The BRE plant was down for maintenance at the time of my visit.

E. Leachate Management

1. Average daily leachate flow for December was 30,998 gallons. Total leachate generated for the month was 960,934 gallons, all of which went directly to the Bethlehem wastewater treatment plant.

F. Site Observations

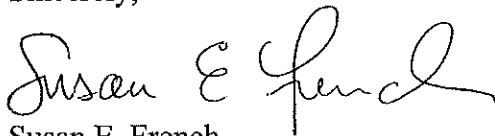
1. Litter: No issues observed.
2. Odor: No offsite odors were detected at the time of this visit.
3. Daily Cover: No issues observed.
4. Intermediate Cover: No issues observed.

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: Nicholas Rogers, IESI PA Landfill (w/enc.)
Ms. Leslie Huhn, 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 2016

Date: January 12, 2017

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 19
 - 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. 960,934
 - c. Untreated Effluent Discharge to WWTP 100%
 - d. Average Daily Flow gal. 30,998
 - e. Leachate hauled Offsite 0%
 - f. Detection zone flow (Max/week in g/a/d) **December**
LMC-6 – (3.5) LMC-7 – (9.9) LMC-8– (42.5) 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) 144
 - 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		
Leachate		
Quarterly	DEP Operations Report/Fees	1/10/2016
Other	Form U Submittals	electronic submittal