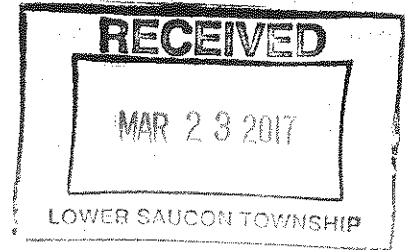




March 20, 2017



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 February. The Engineer's meeting was held at the landfill on Thursday, March 9. No monthly meeting was held in February due to weather and staffing issues. 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 1300 to 1400 tons per day.
2. A separate scale house, across from the office building, is completed and operational.

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 144 vertical gas wells currently installed. There are 42 horizontal collectors in operation. A revised map of the gas well system reflecting work completed in December has been produced and provided to the Department.
2. The flare was operating at approximately 900 scfm and 1657°F on the morning of my visit.
3. The BRE plant was operating at 2400 to 2500 scfm at the time of my visit.

S

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

March 20, 2017

E. Leachate Management

1. Average daily leachate flow for January was 55,525 gallons and for February was 34,061 gallons. Total leachate generated for January was 1,721,272 gallons and for February was 953,709 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 are the monthly Engineer's Reports from IESI Landfill for January and February, which include 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

January 2017

Date: February 14, 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: **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 15
 - 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.** 1,721,272
 - c. Untreated Effluent Discharge to WWTP 100%
 - d. Average Daily Flow gal. 55,525
 - e. Leachate hauled Offsite 0%
 - f. Detection zone flow (Max/week in g/a/d) **January**
LMC-6 – (46.6) LMC-7 – (84.8) LMC-8 – (467.1) 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 – Addition of 2 migration probes.
 - a. Number of vertical wells (LFG extraction wells and cleanouts) 144
 - b. Number of horizontal wells 42
 - 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 2016 Groundwater report	2/6/2016
Leachate		
Quarterly	DEP Operations Report/Fees	1/10/2016
Other	Form U Submittals	electronic submittal

PADEP ENGINEER'S REPORT

February 2017

Date: March 9, 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: February		
a.	Number of trucks that tripped the monitor		0
b.	Number of trucks on hold or rejected		0
3.	Truck Safety & Overweight: February		
a.	Number of Overweight Trucks		15
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.		953,709
c.	Untreated Effluent Discharge to WWTP		100%
d.	Average Daily Flow gal.		34,061
e.	Leachate hauled Offsite		0%
f.	Detection zone flow (Max/week in g/a/d) February		
	LMC-6 – (19.5) LMC-7 – (35.6) LMC-8 – (239) 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 – Addition of 2 migration probes.		
a.	Number of vertical wells (LFG extraction wells and cleanouts)		144
b.	Number of horizontal wells		42
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		
	Leachate		
	Quarterly		
	Other	Form U Submittals	electronic submittal