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LOWER SAUCON TOWNSHIP

February 25, 2019

Mr. Dave Pannucci, Regional Engineer
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. Pannucci:

This Engineer's Status Report is for the month of January. The Engineer's meeting was held at the landfill on Thursday, February 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. Nothing pending at this time.

B. Construction Schedule

1. Plans for construction in the southeast realignment area SE-1B (directly north of SE-1A) are underway. Construction will begin in the spring.
2. SE-1A was being filled at the time of my visit. Average amount of waste accepted was approximately 1500 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 119 vertical gas wells currently installed. There are 44 horizontal collectors in operation.
2. The flare was operating at approximately 2686 scfm and 1656°F at the time of my visit.
3. The BRE plant has been down for the last 2 ½ weeks.

Northeast Regional Office

2 Public Square | Wilkes-Barre, PA 18701-1915 | 570.826.2511 | Fax 570.826.5448 | www.dep.pa.gov

ROUTING

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- EAC
- Engineer
- Solicitor
- Planner
- Landfill
- EMC
- Other

webster

dep Jan 2019

Mr. Dave Pannucci

February 25, 2019

E. Leachate Management

1. Average daily leachate flow for the month of January was 59,709 gallons; the total leachate generated for the month was 1,850,976 gallons.

All flows went directly to the Bethlehem wastewater treatment plant.

F. Site Observations

1. Litter: No issues observed.
2. Odor: No issues observed.
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 January, 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: 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

January 2019

Date: February 14, 2019

1. Site Operations:
 - a. Average Daily Volume 1375
 - b. Maximum Daily Volume 1800
 - c. Permitted Area 201
 - d. Permitted Disposal area 110.60
 - e. Capped acres (Takes Into Account Future Cap Removal) 26.20
 - f. Constructed acres 89.24

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

3. Truck Safety & Overweight: **January**
 - a. Number of Overweight Trucks 86
 - 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. 1,850,976
 - c. Untreated Effluent Discharge to WWTP 100%
 - d. Average Daily Flow gal. 59,709
 - e. Leachate hauled Offsite 0%
 - f. Detection zone flow (Max/week in g/a/d) **January**
LMC-6 – (79) LMC-7 – (1) LMC-8– (580) PS-1 – (25) PS-2 – (0) PS-3 – (0) PS – 4 (3)

5. Leachate Storage:
 - a. Total Influent Storage Capacity 1,490,000
 - b. 25% Influent Storage Capacity 372,500
 - c. Current Volume stored **est. 20% Stormwater for Dust Control**

6. Gas Management:
 - a. Number of vertical wells (LFG extraction wells and cleanouts) 119
 - b. Number of horizontal wells 35
 - 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	2018 4 th Quarter Groundwater Report
Leachate	Monthly Leachate Demand Report
Quarterly	2018 4 th Quarter Residual Waste Report
Other	Form U Submittals Electronic Submittal

SE Realignment Construction Activities

The citizen drop off center has been completed along and is being used. SE-1A cell is complete and is the active disposal area.