pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

January 21, 2020

RECEIVED
JAN 23 2020
LOWER SAUCON TOWNSHIP

Mr. Dave Pannucci, Regional Engineer
Bethlehem Landfill Company
2335 Applebutter Road
Bethlehem, PA 18015

Re: Engineer's Monthly Status Report
Bethlehem Landfill Company
Lower Saucon Township, Northampton County
Permit No. 100020

Dear Mr. Pannucci:

This Engineer's Status Report is for the month of December. The Engineer's meeting was held at the Bethlehem Landfill on Monday, January 13th. 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 minor modification for a Renewable Natural Gas (RNG) Facility was submitted to the Department on September 28, 2019 and is currently under review.

B. Construction Schedule

1. SE-1B was being filled at the time of my visit. The average amount of waste accepted for the month of December was approximately 1,375 tons per day.

C. Groundwater

1. Monitoring Wells: Total number of wells = 29
2. Abatement Wells: Total number of active wells = 10
3. Groundwater sampling for Q1 2020 is scheduled for February 24-26.

D. Gas Management

1. There are 104 vertical gas wells currently installed. There are 34 horizontal collectors in operation.
2. The flare was operating at approximately 2,911 scfm and 1,648°F at the time of my visit.
3. The BRE plant has shut down and is no longer operating.

S

ROUTING
- ☑ Council
- ☑ Manager org.
- ☐ Asst. Mgr.
- ☐ Zoning
- ☐ Finance
- ☐ Police
- ☐ P. Works
- ☐ P/C
- ☐ P & R
- ☐ EAC
- ☐ Engineer
- ☐ Solicitor
- ☐ Planner
- ☑ Landfill
- ☐ EMC
- ☑ Other web depdec

E. Leachate Management

1. Average daily leachate flow for the month of December was 53,725 gallons; the total leachate generated for the month was 1,695,390 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 Bethlehem Landfill for December, which includes site operations, radiation monitoring, truck safety, leachate management, and report submittals.

If you have any questions or comments concerning this report, please contact me at (570) 830-3128.

Sincerely,

Matthew Glogowski
Environmental Engineering Specialist
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
December 2019

Date: January 13, 2020

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) **26.10**
   f. Constructed acres **96.30**

2. Radiation Monitoring: **December**
   a. Number of trucks that tripped the monitor **4**
   b. Number of trucks **on hold** or rejected **0**

3. Truck Safety & Overweight: **December**
   a. Number of Overweight Trucks **95**
   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. **1,695,390**
   c. Untreated Effluent Discharge to WWTP **100%**
   d. Average Daily Flow gal. **53,725**
   e. Leachate hauled Offsite **0%**
   f. Detection zone flow (Max/week in g/a/d) **December**
   LMC-6 – (3) LMC-7 – (0) LMC-8– (557) PS-1 – (0) PS-2 – (0.1) PS-3 – (2) 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) **104**
   b. Number of horizontal wells **34**
   c. Number of Migration wells **15**

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

8. Reports Submitted:

Groundwater	**None**	
Leachate	**Monthly Leachate Demand Report**	
Quarterly	**Q4 2019 Residual Waste Report**	
Other	**Form U Submittals**	**Electronic Submittal**