



July 29, 2021

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 May. The Engineer's meeting was held at the Bethlehem Landfill on June 22nd, 2021. 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 application for the Northern Realignment disposal area was received by the Department on December 14, 2020. Review is currently ongoing.

B. Construction Schedule

1. SE-2AB North was being filled at the time of my visit. The average amount of waste accepted for the month of May was approximately 1,375 tons per day.
2. Temporary cap has been placed in the upper north western area of the landfill. Placement of temporary cap is now 100% completed.

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 104 vertical gas wells currently installed. There are 34 horizontal collectors in operation.

ROUTING

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

Northeast Regional Office

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*all back
Dep May 2021*

2. The flare was operating at approximately 3,150 scfm and 1,658°F at the time of my visit.

E. Leachate Management

1. Average daily leachate flow for the month of May was 48,024 gallons; the total leachate generated for the month was 1,488,741 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.
5. Liner System: On June 18, 2021 BLC observed high flows in the leachate detection zone of Cell SE-2AB South. Leak detection testing has been scheduled. Waste has been removed from the suspected area and no waste is being placed on or around this area. Investigation and inspections are ongoing and a report will be submitted to the Department.

G. Miscellaneous:

Enclosed as part of this report is the monthly Engineer's Report from Bethlehem Landfill for May, 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

Matthew Glogowski
Environmental Engineering Specialist
Waste Management Program

Enclosure – May 2021 Report

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

May 2021

Date: June 22, 2021

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: **May**
 - a. Number of trucks that tripped the monitor **4**
 - b. Number of trucks **on hold** or rejected **0**

3. Truck Safety & Overweight: **May**
 - a. Number of Overweight Trucks **66**
 - b. Number of Trucks Rejected Due To Overweight **0**

4. Leachate Management:
 - a. Type of Discharge **Direct to WWTP**
 - b. Total Leachate Generated **May gal. 1,488,741**
 - c. Untreated Effluent Discharge to WWTP **100%**
 - d. Average Daily Flow gal. **48,024**
 - e. Leachate hauled Offsite **0%**
 - f. Detection zone flow (Max/week in g/a/d) **May**
LMC-6 – (2) LMC-7 – (0) LMC-8– (64) PS-1 – (1) PS-2 – (0) PS-3 – (0) PS – 4 (0)

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 Decommissioned) **10**

8. Reports Submitted:

Groundwater	None	
Leachate	Monthly Leachate Demand Report	
Quarterly	None	
Other	Form U Submittals	Electronic Submittal

SE Realignment Construction Activities

SE-2AB Phase I is the active disposal area.