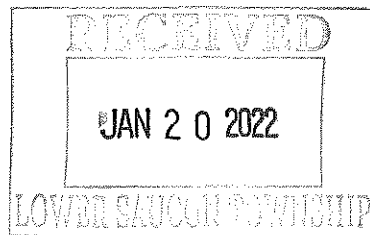




pennsylvania
DEPARTMENT OF ENVIRONMENTAL
PROTECTION

January 20, 2022



Mr. Dave Pannucci, Regional Engineer
Bethlehem Landfill Company
2335 Applebutter Road
Bethlehem, PA 18015
david.pannucci@wasteconnections.com

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 November. The Engineer's meeting was held at the Bethlehem Landfill on Tuesday, December 28, 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. The review is currently ongoing.

B. Construction Schedule

1. SE-2AB Phase 1 was being filled at the time of my visit. The average amount of waste accepted for the month of November was approximately 1,357 tons per day.
2. According to landfill representatives the 2021 final capping project cannot be completed before the end of the year due to trucking shortages. Grading is being performed in these areas and final capping material should be brought in as soon as possible to complete this section of final capping as planned.

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.

Northeast Regional Office

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

S

ROUTING

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

website

2. The flare was operating at an average of approximately 3,432 scfm at 1,669 F at the time of my visit

E. Leachate Management

1. Average daily leachate flow for the month of November was 61,194 gallons; the total leachate generated for the month was 1,835,811 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: No issues observed.
6. Stormwater: Sediment basin 4 has not been completely cleaned out and is scheduled for clean out in 2022. All other basins have been cleared out. DEP has requested that BLC perform regular cleanouts and keep written records of cleanout dates.

G. Miscellaneous:

Enclosed as part of this report is the monthly Engineer's Report from Bethlehem Landfill for November, 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 – November 2021 Report

cc: Ms. Leslie Huhn, manager@lowersaucontownship.org (w/enc.)
Scott Brown, sbrown@hanovereng.com (w/enc.)
Kevin N. Bodner, knbodner@yahoo.com (w/enc.)
Cody White, cody.white@wasteconnections.com (w/enc.)

PADEP ENGINEER'S REPORT
November 2021

Date: December 14, 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: November | | |
| | a. Number of trucks that tripped the monitor | | 6 |
| | b. Number of trucks on hold or rejected | | 0 |
| 3. | Truck Safety & Overweight: November | | |
| | a. Number of Overweight Trucks | | 68 |
| | b. Number of Trucks Rejected Due To Overweight | | 0 |
| 4. | Leachate Management: | | |
| | a. Type of Discharge | | Direct to WWTP |
| | b. Total Leachate Generated November gal. | | 1,835,811 |
| | c. Untreated Effluent Discharge to WWTP | | 100% |
| | d. Average Daily Flow gal. | | 61,194 |
| | e. Leachate hauled Offsite | | 0% |
| | f. Detection zone flow (Max/week in g/a/d) November | | |
| | LMC-6 – (48) LMC-7 – (0) LMC-8 – (1,468) PS-1 – (4) PS-2 – (0) PS-3 – (0) PS – 4 (6) | | |
| | PS-5 (8) | | |
| 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.