



June 16, 2022

Mr. Dave Pannucci, Regional Engineer
Bethlehem Landfill Company
Via email: 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 April. The Engineer's meeting was held at the Bethlehem Landfill on Thursday, May 26, 2022. 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 second environmental assessment technical deficiency response was received on February 25, 2022 and is currently under review.
2. A renewal application for Bethlehem Landfill's solid waste permit was submitted to the Department on April 28, 2022 and is currently under review.

B. Construction Schedule

1. Cell SE-2AB Phase 1 was being filled at the time of my visit. The average amount of waste accepted for the month of April was approximately 1,533 tons per day.
2. Final grading has been completed on the north side of the final capping area at the top of the landfill. Final capping activities in this area will continue through the spring. There were no updates at the time of this site visit.
3. The new Aria RNG facility is currently under construction.

C. Groundwater

1. Monitoring Wells: Total number of wells = 29
2. Abatement Wells: Total number of active wells = 10

Northeast Regional Office

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ROUTING

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

S

D. Gas Management

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

E. Leachate Management

1. Average daily leachate flow for the month of April was 129,554 gallons; the total leachate generated for the month was 3,886,619 gallons.

All flows went directly to the Bethlehem wastewater treatment plant.

F. Site Observations

1. Litter: Litter fencing was deployed. 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: No issues observed. Dredged material from sediment basin was being dried.

G. Miscellaneous:

Enclosed as part of this report is the monthly Engineer's Report from Bethlehem Landfill for April, 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 – April 2022 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

April 2022

Date: May 26, 2022

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: **April**
 - a. Number of trucks that tripped the monitor 1
 - b. Number of trucks **on hold** or rejected 0

3. Truck Safety & Overweight: **April**
 - a. Number of Overweight Trucks 51
 - b. Number of Trucks Rejected Due To Overweight 0

4. Leachate Management:
 - a. Type of Discharge Direct to WWTP
 - b. Total Leachate Generated **April** gal. 3,886,619
 - c. Untreated Effluent Discharge to WWTP 100%
 - d. Average Daily Flow gal. 129,554
 - e. Leachate hauled Offsite 0%
 - f. Detection zone flow (Max/week in g/a/d) **April**
LMC-6 – (5) LMC-7 – (0) LMC-8– (1,947) PS-1 – (13) PS-2 – (0) PS-3 – (3) PS – 4 (4)
PS-5 (13)

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 II is the active disposal area.