



September 20, 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 July. The Engineer's meeting was held at the Bethlehem Landfill on August 26, 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 July was approximately 1,225 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 104 vertical gas wells currently installed. There are 34 horizontal collectors in operation.
2. The flare was operating at an average of approximately 3,508 scfm for the month of July.

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

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E. Leachate Management

1. Average daily leachate flow for the month of July was 85,539 gallons; the total leachate generated for the month was 2,651,719 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.

G. Miscellaneous:

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

cc: Ms. Leslie Huhn, Lower Saucon Township (w/enc.)
Scott Brown, Hanover Engineering (w/enc.)
Kevin N. Bodner, Martin and Martin, Inc. (w/enc.)

bcc: D. Ritter via email PDF (w/enc.)
R. Bellas via email PDF (w/enc.)
D. Matcho via email PDF (w/enc.)
T. McGurk via email PDF (w/enc.)
E. Bloxham via email PDF (w/enc.)
R. Malizia via email PDF (w/enc.)
A. Faulch via email PDF (w/enc.)
M. Glogowski via email PDF (w/enc.)

MGms

WP: W2-127.doc

H/T: 9/20/21

PADEP ENGINEER'S REPORT

July 2021

Date: August 26, 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: July
 - a. Number of trucks that tripped the monitor 4
 - b. Number of trucks on hold or rejected 0

3. Truck Safety & Overweight: July
 - a. Number of Overweight Trucks 75
 - b. Number of Trucks Rejected Due To Overweight 0

4. Leachate Management:
 - a. Type of Discharge Direct to WWTP
 - b. Total Leachate Generated July gal. 2,651,719
 - c. Untreated Effluent Discharge to WWTP 100%
 - d. Average Daily Flow gal. 85,539
 - e. Leachate hauled Offsite 0%
 - f. Detection zone flow (Max/week in g/a/d) July
LMC-6 – (47) LMC-7 – (0) LMC-8 – (70) PS-1 – (2) PS-2 – (20) PS-3 – (0) PS – 4 (7) PS-5 (16)

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