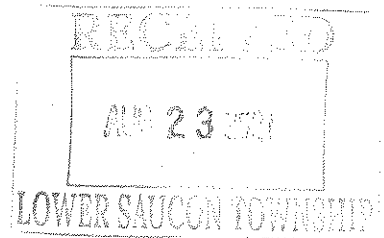




**pennsylvania**  
DEPARTMENT OF ENVIRONMENTAL  
PROTECTION



August 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 June. The Engineer's meeting was held at the Bethlehem Landfill on July 29<sup>th</sup>, 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 June was approximately 1,387 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 approximately 3,479 scfm and 1,653°F at the time of my visit.

ROUTING

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

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

**E. Leachate Management**

1. Average daily leachate flow for the month of June was 91,632 gallons; the total leachate generated for the month was 2,748,958 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 detection zone of Cell SE-2AB Phase 1 South. Leak detection testing was conducted on June 25, 2021. No damage or leaks in the liner system were detected. An “artificial leak” was detected under the secondary liner consisting of a “bubble” containing approximately 100-gallons of residual construction water which had been trapped under the secondary liner. This was drained and the liner above it was repaired. No high detection flows have been recorded since. BLC is monitoring detection zone flows weekly. A full report concerning this event was submitted to the Department on July 29, 2021.

**G. Miscellaneous:**

Enclosed as part of this report is the monthly Engineer’s Report from Bethlehem Landfill for June, 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 – June 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

June 2021

Date: July 29, 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: **June**
  - a. Number of trucks that tripped the monitor 3
  - b. Number of trucks **on hold** or rejected 0
  
3. Truck Safety & Overweight: **June**
  - a. Number of Overweight Trucks 78
  - b. Number of Trucks Rejected Due To Overweight 0
  
4. Leachate Management:
  - a. Type of Discharge **Direct to WWTP**
  - b. Total Leachate Generated **June gal.** 2,748,958
  - c. Untreated Effluent Discharge to WWTP 100%
  - d. Average Daily Flow gal. 91,632
  - e. Leachate hauled Offsite 0%
  - f. Detection zone flow (Max/week in g/a/d) **June**  
**LMC-6 – (291) LMC-7 – (0) LMC-8– (370) PS-1 – (30) PS-2 – (0) PS-3 – (0) PS – 4 (1)**  
**PS-5 (196)**
  
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	Q2 Residual Waste Report	
Other	Form U Submittals	Electronic Submittal