



October 18, 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 August. The Engineer's meeting was held at the Bethlehem Landfill on Tuesday September 27, 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. This application is currently under technical 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 August was approximately 1,386 tons per day.
2. Capping activities are continuing at the landfill. Final capping material on the northwest slope has been installed and final capping soil will be placed. Temporary capping on the south and north slopes have been completed.
3. The 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

S

ROUTING

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

Northeast Regional Office

Mr. Dave Pannucci

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D. Gas Management

1. There are 104 vertical gas wells currently installed. There are 34 horizontal collectors in operation.
2. The gas flow the for the flare was 1,450F at 3,075 cfm.

E. Leachate Management

1. Average daily leachate flow for the month of August was 55,855 gallons; the total leachate generated for the month was 1,731,499 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.

G. Miscellaneous:

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

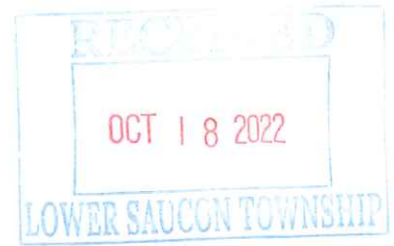
Matthew Glogowski
Environmental Engineer
Waste Management Program

Enclosure – August 2022 Report

cc: Ms. Leslie Huhn, manager@lowersaucontownship.org (w/enc.)
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Cody White, cody.white@wasteconnections.com (w/enc.)

PADEP ENGINEER'S REPORT
August 2022

Date: September 28, 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: August	
	a. Number of trucks that tripped the monitor	3
	b. Number of trucks on hold or rejected	0
3.	Truck Safety & Overweight: August	
	a. Number of Overweight Trucks	44
	b. Number of Trucks Rejected Due To Overweight	0
4.	Leachate Management:	
	a. Type of Discharge	Direct to WWTP
	b. Total Leachate Generated August gal.	1,731,499
	c. Untreated Effluent Discharge to WWTP	100%
	d. Average Daily Flow gal.	55,855
	e. Leachate hauled Offsite	0%
	f. Detection zone flow (Max/week in g/a/d) August	
	LMC-6 – (1) LMC-7 – (0) LMC-8– (100) PS-1 – (1) PS-2 – (0) PS-3 – (0) PS – 4 (0) PS-5	
	(41)	
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	Q2 Groundwater Report
	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.