

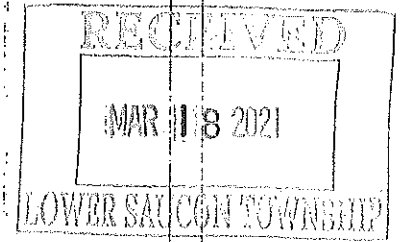


pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION

March 18, 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 January. The Engineer's meeting was held at the Bethlehem Landfill on Friday February 26th. 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. Form 37 Construction Certifications for Cell SE-2AB subgrade, subbase, MSE wall, geosynthetic installation and protective cover have been approved.

B. Construction Schedule

1. SE-2B was being filled at the time of my visit. The average amount of waste accepted for the month of January was approximately 1,375 tons per day.
2. Construction of Cell SE-2AB is completed.
3. Approximately 75% of temporary has been placed in the upper north western area of the landfill. Placement of temporary cap is still ongoing.

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 3,180 scfm and 1,658°F at the time of my visit.

Northeast Regional Office

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ROUTING

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- Landfill
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E. Leachate Management

1. Average daily leachate flow for the month of January was 107,197 gallons; the total leachate generated for the month was 2,226,165 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.

G. Miscellaneous:

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

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

January 2021

Date: February 25, 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
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2.	Radiation Monitoring: January	
	a. Number of trucks that tripped the monitor	0
	b. Number of trucks on hold or rejected	0
3.	Truck Safety & Overweight: January	
	a. Number of Overweight Trucks	42
	b. Number of Trucks Rejected Due To Overweight	0
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4.	Leachate Management:	
	a. Type of Discharge	Direct to WWTP
	b. Total Leachate Generated January gal.	2,226,165
	c. Untreated Effluent Discharge to WWTP	100%
	d. Average Daily Flow gal.	73,102
	e. Leachate hauled Offsite	0%
	f. Detection zone flow (Max/week in g/a/d) January	
	LMC-6 – (3) LMC-7 – (0) LMC-8 – (688) PS-1 – (0) PS-2 – (0) PS-3 – (5) PS – 4 (186)	
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	
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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
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8.	Reports Submitted:	
	Groundwater	None
	Leachate	Monthly Leachate Demand Report
	Quarterly	None
	Other	Form U Submittals
		Electronic Submittal

SE Realignment Construction Activities

SE-1B is the active disposal area.