



May 30, 2019

Mr. Dave Pannucci, Regional Engineer  
IESI PA Bethlehem Landfill  
2335 Applebutter Road  
Bethlehem, PA 18015

Re: Engineer's Monthly Status Report  
IESI PA Bethlehem Landfill  
Lower Saucon Township, Northampton County  
I.D. No. 100020

Dear Mr. Pannucci:

This Engineer's Status Report is for the month of April. The Engineer's meeting was held at the IESI landfill on Wednesday, May 22<sup>nd</sup>. 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**

- Nothing pending at this time.

**B. Construction Schedule**

- Construction in the southeast realignment area SE-1B (directly north of SE-1A) began in February and is currently ongoing.
- SE-1A was being filled at the time of my visit. The average amount of waste accepted was approximately 1,375 tons per day.

**C. Groundwater**

- Monitoring Wells: Total number of wells = 29
- Abatement Wells: Total number of active wells = 10

**D. Gas Management**

- There are 119 vertical gas wells currently installed. There are 44 horizontal collectors in operation.

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

Northeast Regional Office

2. The flare was operating at approximately 2,973 scfm and 1653°F at the time of my visit.
3. The BRE plant has shut down and is no longer operating.

**E. Leachate Management**

1. Average daily leachate flow for the month of April was 82,808 gallons; the total leachate generated for the month was 2,484,248 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 IESI 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  
Environmental Engineer Trainee  
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

April 2019

Date: May 22, 2019

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) 26.20
  - f. Constructed acres 89.24
  
2. Radiation Monitoring: **April**
  - a. Number of trucks that tripped the monitor 0
  - b. Number of trucks **on hold** or rejected 0
  
3. Truck Safety & Overweight: **April**
  - a. Number of Overweight Trucks 49
  - 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. 2,484,248
  - c. Untreated Effluent Discharge to WWTP 100%
  - d. Average Daily Flow gal. 82,808
  - e. Leachate hauled Offsite 0%
  - f. Detection zone flow (Max/week in g/a/d) **April**  
**LMC-6 – (90) LMC-7 – (0) LMC-8 – (481) PS-1 – (25) PS-2 – (0) PS-3 – (0) PS – 4 (7)**
  
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) 119
  - b. Number of horizontal wells 35
  - c. Number of Migration wells 17
  
7. Groundwater
  - a. Number of monitoring wells 29
  - b. Abatement wells (TW-1 shut off per DEP approval) 10
  
8. Reports Submitted:
 

Groundwater	<b>1<sup>st</sup> Quarter 2019</b>	
Leachate	<b>Monthly Leachate Demand Report</b>	
Quarterly	<b>None</b>	
Other	<b>Form U Submittals</b>	<b>Electronic Submittal</b>

SE Realignment Construction Activities

Phase III (South Slope) is the active disposal area.