



# pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION  
NORTHEAST REGIONAL OFFICE

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NOV 28 2012  
LOWER SAUCON TOWNSHIP

November 20, 2012

Mr. Sam Donato, Landfill Manager  
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. Donato:

This Engineer's Status Report is for the month of October. The Engineer's meeting was held at the landfill on Thursday, November 8, 2012. 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 construction certification for Cell 4E, Stage 1, was received on October 5 and was approved on November 2.

### B. Construction Schedule

1. Currently disposing of waste on the southern side of Cells 4A and 4B. They expect to move into Cell 4E within the next week from the date of this meeting.

### C. Groundwater

1. Monitoring Wells: Total number of wells = 29
2. Abatement Wells: Total number of active wells = 10

### D. Gas Management

1. The power plant (BRE/PEPCO) has been down since September 19. They now have their own NPDES permit. The flare was running at about 2,100 scfm on the date of our visit.

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

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**E. Leachate Management**

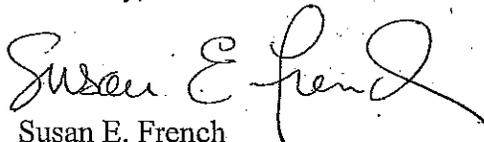
1. Leachate management statistics for October are provided on the attached report from IESI.
2. Average daily leachate flow for October was 30,919 gallons. Total leachate generated for the month was 927,580 gallons, all of which went directly to the Bethlehem wastewater treatment plant.

**F. Site Observations**

1. Litter: No issues observed.
2. Odor: No offsite odors were detected at the time of this visit.
3. Daily Cover: No issues observed.
4. Intermediate Cover: No issues observed.

If you have any questions concerning this report, please contact me at 570-826-2064.

Sincerely,



Susan E. French  
 Environmental Engineer  
 Waste Management Program

Enclosure

- cc: Mr. Allen Schleyer/IESI PA Bethlehem Landfill (w/enc.)  
 Lower Saucon Township (w/enc.)  
 Mr. James B. Birdsall, P.E./Hanover Engineering (w/enc.)  
 Mr. Chris Taylor/Hanover Engineering (w/enc.)  
 Mr. Kevin N. Bodner/Martin and Martin, Inc. (w/enc.)

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  - Enrollm.
  - EAC
  - Other

# PADEP ENGINEER'S REPORT

October 2012

Date: November 8, 2012

1. Site Operations:
  - a. Average Daily Volume 1375
  - b. Maximum Daily Volume 1800
  - c. Permitted Area 201
  - d. Permitted Disposal area 99.15
  - e. Capped acres 70
  - f. Constructed acres 70.9
  
2. Radiation Monitoring: **October**
  - a. Number of trucks that tripped the monitor 4 (1 driver)
  - b. Number of trucks **on hold** or rejected 0
  - c. **(Ra226 debris removed 10-9-12)**
  
3. Truck Safety & Overweight: **October**
  - a. Number of Overweight Trucks 54
  - b. Number of Trucks Rejected Due To Overweight 0
  
4. Leachate Management:
  - a. Type of Discharge Direct to WWTP
  - b. Total Leachate Generated **October** gal. 927,580
  - c. Untreated Effluent Discharge to WWTP 100%
  - d. Average Daily Flow gal. 30,919
  - e. Leachate hauled Offsite 0%
  - f. Detection zone flow (Max/week in g/a/d) **August**  
LMC-6 - (6) LMC-7 - (10) LMC-8 - (427) PS-1 - (1) PS-2 - (<1)
  
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) 112
  - b. Number of horizontal wells 30
  
7. Groundwater
  - a. Number of monitoring wells 29
  - b. Abatement wells (TW-1 shut off per DEP approval) 10
  
8. Reports Submitted:
  - a. Groundwater Abatement report 10/19/12
  - b. Air Monitoring SSM notices electronic submittal
  - c. Gas Reports submitted quarterly 10/19/12
  - d. Quarterly 3Q12 PADEP Report 10/19/12
  - e. Other Form U App. To P. Jarecki electronic submittal  
Form U to LST electronic submittal