



pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION
NORTHEAST REGIONAL OFFICE

W

April 17, 2012

APR 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 March. The Engineer's meeting was held at the landfill on Thursday, April 12, 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. The minor modification submitted on December 19, 2011, for the change to the grade of the boundary of Cell 4E (Westerly Anchor Trench), Phase IV, is under review. On March 20th, the Township Engineer, Jim Birdsall, wrote a reply to Martin and Martin's response letter of February 9.

B. Construction Schedule

1. Currently disposing of waste in Cell 4D, stage 3, and Cell 4F.

C. Groundwater

1. Monitoring Wells: Total number of wells = 28
2. Abatement Wells: Total number of active wells = 10

D. Gas Management

1. Average flow rate is around 1000 scfm from the flare and generally around 2200 to 2600 scfm from the turbine.

ROUTING

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

E. Leachate Management

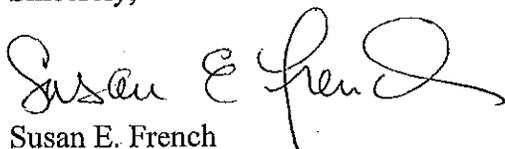
1. Leachate management statistics for March are provided on the attached report from IESI.
2. Average daily leachate flow for March was 22,514 gallons. Total leachate generated for the month was 697,934 gallons, all of which went directly to the Bethlehem wastewater treatment plant.

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.
5. The consolidated container with approximately five tons of C&D waste contaminated with Radium 226 is still on site. As of the date of our meeting, IESI had not been notified of a decision on the ultimate disposition of the material.

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. Scott J. Brown/Hanover Engineering (w/enc.)
Mr. Kevin N. Bodner/Martin and Martin, Inc. (w/enc.)

PADEP ENGINEER'S REPORT

March 2012

Date: April 12, 2012

1. Site Operations:
 - a. Average Daily Volume 1375
 - b. Maximum Daily Volume 1800
 - c. Permitted Area 201
 - d. Permitted Disposal area 95
 - e. Capped acres 70
 - f. Constructed acres 70.9

2. Radiation Monitoring: **March**
 - a. Number of trucks that tripped the monitor 1
 - b. Number of trucks on hold or rejected 0

3. Truck Safety & Overweight:
 - a. Number of Overweight Trucks 53
 - b. Number of Trucks Rejected Due To Overweight 0

4. Leachate Management:
 - a. Type of Discharge **Direct to WWTP**
 - b. Total Leachate Generated **March** gal. 697,934
 - c. Untreated Effluent Discharge to WWTP 100%
 - d. Average Daily Flow gal. 22,514
 - e. Leachate hauled Offsite 0%
 - f. Detection zone flow (Max/week in g/a/d) **March**
LMC-6 – (19) LMC-7 – (10) LMC-8 – (116) PS-1 – (2) *PS-2 – (5.8)
*PS-2 elevated due to 1Q12 sampling

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 28
 - b. Abatement wells (TW-1 shut off per DEP approval) 10

8. Reports Submitted:
 - a. Groundwater **Abatement report** 4-12-12
 - b. Air Monitoring **SSM notices** electronic submittal
 - c. Gas Reports **submitted quarterly** by 4/20/12
 - d. Quarterly **4Q11 LST facility Report** 3-20-12
 - e. Other **Form U App. To P. Jarecki** electronic submittal
Form U to LST electronic submittal
Response to PADEP inspections 3-6-12
PPC Plan 3-20-12