



pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION
NORTHEAST REGIONAL OFFICE

Handwritten signature

March 14, 2012

MAR 15 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 February. The Engineer's meeting was held at the landfill on Thursday, March 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. 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.
2. A construction certification Form 37 for Cell 4F, Stage 1 (which includes the MSE wall) was approved on March 1.

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.

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

E. Leachate Management

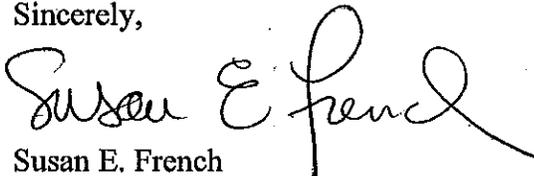
1. Leachate management statistics for February are provided on the attached report from IESI.
2. Average daily leachate flow for February was 25,452 gallons. Total leachate generated for the month was 712,666 gallons, all of which went directly to the Bethlehem wastewater treatment plant.

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. Two loads of C&D waste from the Allentown Arena demolition project set off radiation alarms on January 7 and were found to contain Radium 226. One load was sorted, reduced in size and consolidated with the second container, to make approximately five tons in need of special off-site disposal. Analytical results on the load were sent from IESI's health physicist, Jim Fongheiser, to DEP Radiation staff (Terry Derstine and Richard Croll) on March 1. 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

February 2012

Date: March 8, 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 68.7

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

3. Truck Safety & Overweight:
 - a. Number of Overweight Trucks 59
 - b. Number of Trucks Rejected Due To Overweight 0

4. Leachate Management:
 - a. Type of Discharge **Direct to WWTP**
 - b. Total Leachate Generated **February gal.** 712,666
 - c. Untreated Effluent Discharge to WWTP 100%
 - d. Average Daily Flow gal. 25,452
 - e. Leachate hauled Offsite 0%
 - f. Detection zone flow (Max/week in g/a/d) **February**
LMC-6 – (26) LMC-7 – (16) LMC-8– (421) PS-1 – (<1) PS-2 – (2)

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** 2-20-12
 - b. Air Monitoring **SSM notices** electronic submittal
 - c. Gas Reports **lfg well construction** 2-2-12
 - d. Quarterly **4Q11 GW Report** 2-2-12
 - e. Other **Form U App. To P. Jarecki** electronic submittal
Form U to LST electronic submittal
Cell 4-E modification 2-21-12
Site inspection reponse 2-16-12