



pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION

NORTHEAST REGIONAL OFFICE

June 28, 2012

JUN 29 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 May. The Engineer's meeting was held at the landfill on Thursday, June 14, 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.

B. Construction Schedule

1. Currently disposing of waste in Cells 4B, 4D, and 4F.
2. The intermediate cover on the south slopes of Cells 4B and 4D has been completed. Spreading of topsoil is underway at the western slope of Cell 4D in preparation for hydroseeding for intermediate cover.
3. The face of the MSE berm (Cell 4F) is well vegetated with long grasses.
4. Construction of Cell 4E is underway; clay and secondary liner placement were performed the week of June 18 with favorable (dry) weather conditions.
5. Two new monitoring wells, M-15 and M-16, were recently completed for the upcoming expansion project. There were some siting issues related to the PPL power lines and drilling through structural fill that were addressed.

C. Groundwater

1. Monitoring Wells: Total number of wells = 28
2. Abatement Wells: Total number of active wells = 10
3. Routine quarterly sampling was conducted the week of June 18.

ROUTING

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

S
Orig
Website

D. Gas Management

1. As of the date of our meeting, the power plant (BRE/PEPCO) was still down for maintenance and possible upgrades. The flare at the landfill has been in use without incident. We discussed its reliability and their contingency plan in the event it goes off line. I was satisfied that they have adequate spare parts on hand, and that they have identified a source for a back-up unit, in the unlikely event that becomes necessary.

E. Leachate Management

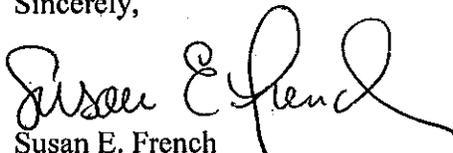
1. Leachate management statistics for May are provided on the attached report from IESI.
2. Average daily leachate flow for May was 24,467 gallons. Total leachate generated for the month was 758,490 gallons, all of which went directly to the Bethlehem wastewater treatment plant.

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 C/D waste material quarantined at the site continues to undergo radiological evaluation for off-site removal. Staff from DEP, the Allentown Arena contractor, and IESI met on Wednesday, June 20, to check on the radiation levels and assess their options. The next step will be to identify off-site radwaste processors who could further sort out non-contaminated debris from the container to lessen the amount of radwaste to be ultimately disposed.

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: A. Schleyer, IESI PA Bethlehem Landfill (w/enc.)
Lower Saucon Township (w/enc)
Mr. Scott J. Brown, Hanover Engineering (w/enc)
Kevin N. Bodner, Martin and Martin, Inc. (w/enc.)

PADEP ENGINEER'S REPORT

May 2012

Date: June 14, 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: May
 - 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 41
 - b. Number of Trucks Rejected Due To Overweight 0

4. Leachate Management:
 - a. Type of Discharge Direct to WWTP
 - b. Total Leachate Generated May gal. 758,490
 - c. Untreated Effluent Discharge to WWTP 100 %
 - d. Average Daily Flow gal. 24,467
 - e. Leachate hauled Offsite 0 %
 - f. Detection zone flow (Max/week in g/a/d) May
LMC-6 – (10) LMC-7 – (13) LMC-8– (142) PS-1 – (2) 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 28
 - b. Abatement wells (TW-1 shut off per DEP approval) 10

8. Reports Submitted:
 - a. Groundwater Abatement report 5/16-12
 - b. Air Monitoring SSM notices electronic submittal
 - c. Gas Reports submitted quarterly due 7/20/12
 - d. Quarterly 2Q12 Facility Report due 7/20/12
 - e. Other Form U App. To P. Jarecki electronic submittal
Form U to LST electronic submittal