



pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION
NORTHEAST REGIONAL OFFICE



July 24, 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 June. The Engineer's meeting was held at the landfill on Thursday, July 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.
2. The operating permit renewal for the landfill was received on July 6. The current permit expires in April of 2013.
3. A construction certification for the Phase XI cap work was received on July 12.

B. Construction Schedule

1. Currently disposing of waste in Cells 4B, 4D, and 4F.
2. Construction of Cell 4E is continuing. On the day of my visit, work was underway on the primary liner and spreading of the protective cover. Photos of the progress are attached.

C. Groundwater

1. Monitoring Wells: Total number of wells = 30. Two recently completed monitoring wells, M-15 and M-16, were sampled.
2. Abatement Wells: Total number of active wells = 10

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D. Gas Management

1. As of the date of our meeting, the power plant (BRE/PEPCO) was planning to conduct test runs with the intent of starting up soon thereafter. Meanwhile, the flare was running at about 2,220 scfm.

E. Leachate Management

1. Leachate management statistics for June are provided on the attached report from IESI.
2. Average daily leachate flow for June was 25,541 gallons. Total leachate generated for the month was 766,245 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. Off-site radwaste processors in Tennessee have been identified for sorting out non-contaminated debris from the container to lessen the amount of radwaste to be ultimately disposed. As of the day of our meeting, the material was still on site.

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

June 2012

Date: July 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: **June**
 - a. Number of trucks that tripped the monitor 0
 - b. Number of trucks on hold or rejected 0

3. Truck Safety & Overweight:
 - a. Number of Overweight Trucks 30
 - b. Number of Trucks Rejected Due To Overweight 0

4. Leachate Management:
 - a. Type of Discharge **Direct to WWTP**
 - b. Total Leachate Generated **June gal. 766,245**
 - c. Untreated Effluent Discharge to WWTP **100%**
 - d. Average Daily Flow gal. **25,541**
 - e. Leachate hauled Offsite **0%**
 - f. Detection zone flow (Max/week in g/a/d) **June**
LMC-6 – (12) LMC-7 – (17) LMC-8– (343) 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**

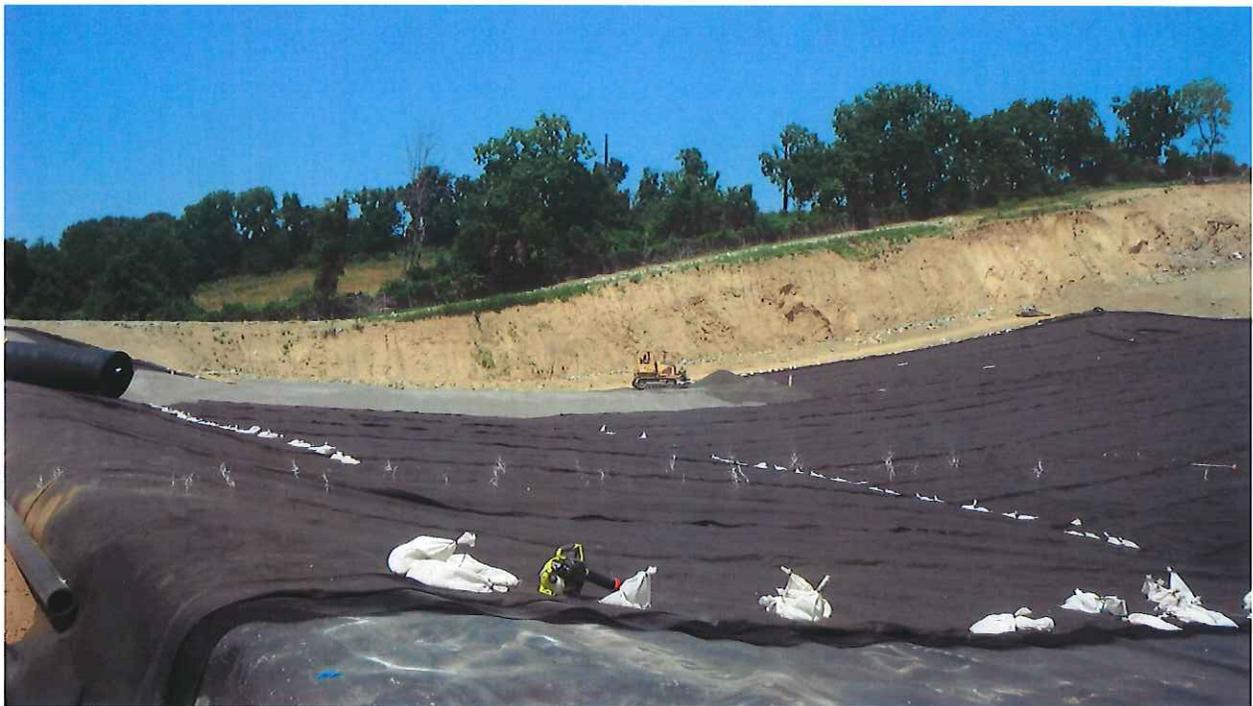
7. Groundwater
 - a. Number of monitoring wells **28**
 - b. Abatement wells (TW-1 shut off per DEP approval) **10**

8. Reports Submitted:
 - a. Groundwater **Abatement report 6/2-12**
 - b. Air Monitoring **SSM notices electronic submittal**
 - c. Gas Reports **submitted quarterly due 7/20/12**
 - d. Quarterly **1Q12 LST Facility Report 6/21/12**
 - e. Other **Form U App. To P. Jarecki electronic submittal**
Form U to LST electronic submittal
Annual GW Trend Report 6/27/12
IESI Permit # 100020 renewal application 7/5/12



Cell 4-E construction

White layer is the bentonite embedded layer.



Note at back of cell in above photo, road being constructed for placement of protective cover.



Cell 4-E construction