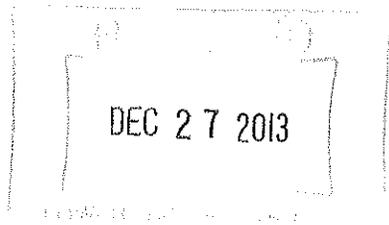




pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION
NORTHEAST REGIONAL OFFICE



December 23, 2013

IESI PA Bethlehem Landfill
c/o Mr. Sam Donato, Landfill Manager
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 November. The Engineer's meeting was held at the landfill on Thursday, December 12. 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 minor modification for alternate daily covers and use of glass cullet was received on October 7 and is under review.

B. Construction Schedule

1. Regrading in Phase IV pursuant to the minor modification approved earlier this year is continuing. The second bench is complete. As of the date of our visit, IESI was disposing of waste in upper Cell 4A area.
2. Approximately one acre of final capping is being done in Cell 4C area. They were in the process of adding top soil at the time of our meeting.

ROUTING

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

C. Groundwater

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

eng Nov 2013 *webate*
570.826.2511 | Fax 570.820.4907

Mr. Sam Donato

December 23, 2013

D. Gas Management

1. The flare was running at about 2500 scfm at the time of our visit. The new, larger flare blower is installed and has been on line since December 20.
2. Currently there are 125 vertical gas wells and 36 horizontal gas wells.

E. Leachate Management

1. Leachate management statistics for November are provided on the attached report from IESI.
2. Average daily leachate flow for November was 23,313 gallons. Total leachate generated for the month was 699,394 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.

Sincerely,



Susan E. French
Environmental Engineer
Waste Management Program

Enclosure

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

PADEP ENGINEER'S REPORT

November 2013

Date: December 12, 2013

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 71.8
 - f. Constructed acres 70.9

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

3. Truck Safety & Overweight: November
 - a. Number of Overweight Trucks 37
 - b. Number of Trucks Rejected Due To Overweight 0

4. Leachate Management:
 - a. Type of Discharge Direct to WWTP
 - b. Total Leachate Generated November gal. 699,394
 - c. Untreated Effluent Discharge to WWTP 100%
 - d. Average Daily Flow gal. 23,313
 - e. Leachate hauled Offsite 0%
 - f. Detection zone flow (Max/week in g/a/d) November
LMC-6 - (7) LMC-7 - (7) LMC-8 - (51) PS-1 - (1) PS-2 - (<1) PS-3 - (10)

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) 125
 - b. Number of horizontal wells 36

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 11/18/13
 - b. Air Monitoring SSM notices electronic submittal
 - c. Gas Reports submitted quarterly 10/18/13
 - Quarterly 3Q13 Groundwater Report 11/21/13
 - d. Other Form U App. To P. Jarecki electronic submittal