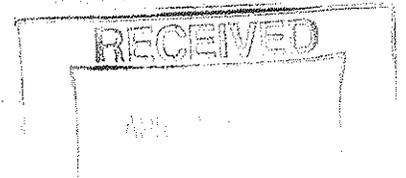




pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION

NORTHEAST REGIONAL OFFICE



April 21, 2014

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 March. The Engineer's meeting was held at the landfill on Tuesday, April 8. 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. None pending at this time.

B. Construction Schedule

1. Regrading in Phase IV pursuant to the minor modification approved last year is essentially finished. On the day of my visit, I observed several piles of soil in this area that will be spread in preparation for seeding later in the spring.
2. Cell 4E is now being filled. They are using select waste from residential areas as needed as the cell is filled.

C. Groundwater

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

D. Gas Management

1. The flare was operating at 1014 scfm and 1600°F on the morning of my visit.
2. The new wells that were being drilled during my last visit have been completed. A total of seven vertical and three horizontal collectors were installed.
3. Including the new wells, there are a total of 132 vertical gas wells and 39 horizontal collectors in operation.

ROUTING

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

only

web

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 54,363 gallons. Total leachate generated for the month was 1,685,267 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 at 570-826-2064.

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

March 2014

Date: April 8, 2014

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

3. Truck Safety & Overweight: March
 - a. Number of Overweight Trucks 40
 - 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. 1,685,267
 - c. Untreated Effluent Discharge to WWTP 100%
 - d. Average Daily Flow gal. 54,363
 - e. Leachate hauled Offsite 0%
 - f. Detection zone flow (Max/week in g/a/d) March
LMC-6 - (27) LMC-7 - (59) LMC-8 - (346) PS-1 - (4) 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 - Total includes wells constructed in 2014
 - a. Number of vertical wells (LFG extraction wells and cleanouts) 132
 - b. Number of horizontal wells 39

7. Groundwater
 - a. Number of monitoring wells 29
 - b. Abatement wells (TW-1 shut off per DEP approval) 10

8. Reports Submitted:

Groundwater	Abatement report	3/19/14
Air Monitoring	SSM notices	electronic submittal
Gas Reports	LFG Well Construction notice	3/6/14
Quarterly	4Q13 LST Facility Report	3/13/14
Other	Form U App. To P. Jarecki	electronic submittal