



pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION

August 18, 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 July. The Engineer's meeting was held at the landfill on Wednesday, August 13. 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 construction certification for Phase XIII final capping was received on July 30 and approved on August 6.

B. Construction Schedule

1. Regrading in Phase IV pursuant to the minor modification approved last year is finished. Soil spreading and seeding will take place as weather permits.
2. Cell 4E, Stages 1 and 2 are now being 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 1140 scfm and 1661°F on the morning of my visit.
2. There are 132 vertical gas wells and 39 horizontal collectors in operation.

S

ROUTING

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

Northeast Regional Office

2 Public Square | Wilkes-Barre, PA 18701-1915 | 570.826.2511 | Fax 570.826.5448 | www.depweb.state.pa.us

E. Leachate Management

1. Average daily leachate flow for July was 31,420 gallons. Total leachate generated for the month was 973,981 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. At the time of our visit, odor control misters were in operation at the back fence.
3. Daily Cover: No issues observed.
4. Intermediate Cover: No issues observed.

G. Miscellaneous

Enclosed as part of this report is the monthly Engineer's Report from IESI Landfill for July, which includes site operations, radiation monitoring, truck safety, leachate management, and report submittals.

If you have any questions concerning this report, please contact me.

Sincerely,



Susan E. French
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

July 2014

Date: August 13, 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: July | | 4 |
| | a. | Number of trucks that tripped the monitor | |
| | b. | Number of trucks on hold or rejected | 0 |
| 3. | Truck Safety & Overweight: July | | |
| | a. | Number of Overweight Trucks | 29 |
| | b. | Number of Trucks Rejected Due To Overweight | 0 |
| 4. | Leachate Management: | | |
| | a. | Type of Discharge | Direct to WWTP |
| | b. | Total Leachate Generated July gal. | 973,981 |
| | c. | Untreated Effluent Discharge to WWTP | 100% |
| | d. | Average Daily Flow gal. | 31,420 |
| | e. | Leachate hauled Offsite | 0% |
| | f. | Detection zone flow (Max/week in g/a/d) July | |
| | | LMC-6 – (20) LMC-7 – (33) LMC-8 – (59) PS-1 – (1) PS-2 – (<1) PS-3 – (7.5) | |
| 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) | 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 | 7/18/14 |
| | Air Monitoring | SSM notices | electronic submittal |
| | Gas Reports | submitted with quarterly report | 7/18/14 |
| | Quarterly | 2Q14 DEP Facility Report | 7/18/14 |
| | Other | Form U App. To P. Jarecki | electronic submittal |
| | | AQ Semi-annual Compliance Report | 7/29/14 |
| | | AQ Site Inspection Follow-up Report | 7/14/14 |