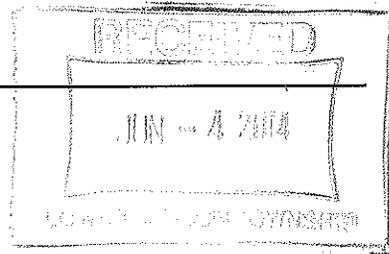


# Hanover

Engineering Associates Inc



June 3, 2014

Mr. Jack Cahalan, Manager  
Lower Saucon Township  
3700 Old Philadelphia Pike  
Bethlehem, PA 18015

RE: Inspection Conducted on June 2, 2014 at  
IESI Bethlehem Landfill  
Hanover Project LS90-7

Dear Mr. Cahalan:

The purpose of this letter is to report the results of the above-referenced "mid-meeting" inspection, which was conducted by me along with Allen Schleyer, Compliance Manager for IESI. The following items were noted during the inspection:

1. The Bethlehem Renewable Energy (BRE) plant was running.
2. The landfill flare was running at a flow rate of 1,314 Standard Cubic Feet per Minute (SCFM) and a temperature of 1664 degrees Fahrenheit. Mr. Schleyer reported that the BRE plant was down all last week for a scheduled shutdown that was ordered by PPL so that they could do work on the electrical connection to the BRE plant. Mr. Schleyer reported that he ran the new, large blower at this time and that it operated very well. The flow of landfill gas produced by the blower was between 2,800 scfm and 3,100 scfm.
3. The truck wash was not in use due to dry conditions.
4. No mud, odors, or blowing litter were observed along Applebutter Road, the entrance driveway, or at the landfill office.
5. Some litter was observed on the ground above Sedimentation Basin 6. Allen will have this picked up. No litter was observed in the trees within the perimeter fence. Windscreens were in use at the working face. Wind direction during the inspection was from the south to southwest (blowing from), with an estimated speed of ten to fifteen miles per hour (10-15 mph).
6. Garbage was being disposed of in Cell 4E Stage 2. Three (3) trucks were off-loading and one (1) truck was waiting. No truck tipper was in use or on site – trucks are being unloaded conventionally.
7. Soil for daily cover material was being trucked in from off-site and stockpiled near the working face and at the top of the southern face. All cover soil currently being used is being imported. No Alternative Daily Cover material is being used. No excavation work was taking place at the north end of Cell 4E to generate cover material.
8. Final capping work on the next section of the south face has begun.
9. The west high wall was observed and appears to be substantially unchanged since the last inspection. No major slope failures along the wall were observed. Mr. Schleyer stated that he knows that he still needs to clean out the stormwater rip-rap channel at the bottom of the wall.

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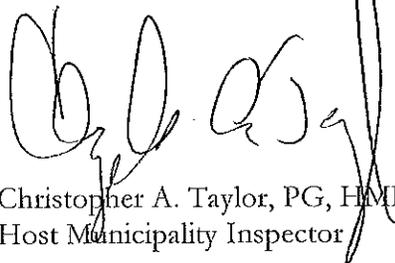
- Council
- Manager
- Asst. Mgr.
- Zoning
- Finance
- Police
- P. Works
- P/C
- P & R
- EAC
- Engineer
- Solicitor
- Planner
- Landfill
- EMC
- Other

10. It was observed that areas of the western face have had clay cover soil added and graded over. Mr. Schleyer stated that this is to dress up eroded areas and to help prevent future leachate seeps.
11. It was observed that the cleanout of Sedimentation Basins 4 and 6 is complete.
12. It was observed that regarding of the benches on the north face above the maintenance building was taking place. Mr. Schleyer reported that this was due to settlement that had occurred.
13. A slight, intermittent gas odor was observed while at the landfill flare. No other odors were observed at any locations during the tour.
14. The spray line along the northern perimeter was not running at the start of the inspection due to a malfunction of the engine that runs the pump. Repairs were made and the spray line was put into operation during the inspection at 2:30PM.
15. The water truck was observed spraying the dirt access roads with water for dust suppression.
16. A few vultures were observed at the working face.
17. Mr. Schleyer stated that a check of the calibration of the radiation detectors is being scheduled.
18. Mr. Schleyer stated that IESI received an odor complaint on Saturday evening from a Steel City resident.
19. The sample ports for the Leachate Collection Zone and Detection Zone inside Pump Station 2 were observed.
20. This inspector conducted an odor patrol through Steel City and the narrows, beginning at 3:05PM. No landfill-related odors or sounds were observed during this inspection.

If you have any comments or questions regarding any of the above, or find that you need additional information, please do not hesitate to call me immediately.

Respectfully,

HANOVER ENGINEERING ASSOCIATES, INC.



Christopher A. Taylor, PG, HMI  
Host Municipality Inspector

cat:cat/dad

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