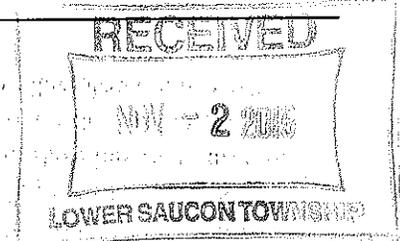


# Hanover

Engineering Associates Inc

October 29, 2015



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

RE: Inspection Conducted on October 29, 2015  
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 Mr. Allen Schleyer, District Manager for IESI, Ms. Priscilla deLeon, Council Liaison, and Ms. Donna Louder, Citizen Representative. The following items were noted during the inspection:

1. The Bethlehem Renewable Energy (BRE) plant was not running.
2. The landfill flare was running at a flow rate of 3,290 Standard Cubic Feet per Minute (SCFM) and a temperature of 1,648 degrees Fahrenheit. The largest blower was observed to be in operation today. Mr. Schleyer stated that the flare has been able to keep up with the increased gas flow since the BRE plant has been down. He previously stated that he has been "exercising" the two (2) smaller blowers to make sure they are in working order.
3. The truck wash was in use, due to muddy conditions.
4. No mud, odor, or blowing litter was observed along Applebutter Road up to Ringhoffer Road, the entrance driveway, or at the landfill office parking lot.
5. Odors were observed on site during the inspection generally east and north of the working face (garbage odors) and from the maintenance building westward along the base of the MSE wall (landfill gas odors).
6. Both the northern and southern mister lines were observed to be running during the inspection. The "grape" smell from the solution used for odor suppression was much stronger than previously observed.
7. Wind direction during the inspection was predominantly blowing from the west with an estimated speed of ten to twenty miles per hour (10-20 mph).
8. Garbage was being disposed of in Cell 4A, at the top of the south face. Wind screens were in place at the working face. The truck tipper is staged near the working face, but was not in use during this inspection. One (1) truck was dumping, none waiting.
9. Cover soil is still being imported. No Alternative Daily Cover material is being used.
10. Work to construct new Cell 4E Stage 3 is currently proceeding. The installation of the secondary liner has been completed.
11. The western face contained some erosion rills. Mr. Schleyer stated that these would be dressed up when site conditions allowed.
12. Mr. Schleyer stated that the Lower Saucon Police Department (LSPD) weight enforcement effort has been ongoing, and that he is still receiving reports of the results. He confirmed that the LSPD exclusively utilizes the existing IESI scale to

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ROUTING

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

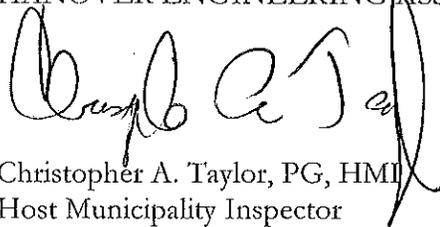
*hca 10-29-15*

- determine vehicle weights, simply reading the digital display that is visible from the scale area.
13. The west high wall was observed. No major changes since the last inspection were evident. No slope failures and no major movement of soil or rock along the wall were observed. Sediment in the stormwater channel at the base of the wall (washed in from upstream) has not yet been cleaned out. Also, an erosion channel has formed between the stormwater channel and the adjacent liner anchor trench since the last inspection. Mr. Schleyer stated that he will have this repaired.
  14. Final capping in the area of Cell 4F is progressing. All soil has been placed and graded, and the area is now ready for synthetic cap.
  15. The temporary capping project has not yet begun. It will follow the completion of the final capping project discussed above.
  16. The channel at the bottom of the southern face was previously cleaned out and reformed. Rock check dams were added to the channel in several places. The junction box at the downpipe is cleaned out. No damage from yesterday's heavy rainstorm was observed.
  17. Mr. Schleyer stated that the north slope road is now fully passable.
  18. The work to clean the sediment out of Basin 6 is still ongoing, pending suitable weather and site conditions.
  19. Following the inspection, I conducted a driving patrol along Skyline Drive, beginning at 11:15AM. No landfill-related odors were observed during this inspection.
  20. I conducted a driving patrol through Steel City starting at 11:25AM. No landfill-related odors or sounds were observed. This patrol did not extend through the Narrows, where Riverside Drive is still closed for road repairs.

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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