

Hanover

Engineering Associates Inc



December 31, 2015

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

RE: Inspection Conducted on December 31, 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, Township 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 3,264 Standard Cubic Feet per Minute (SCFM) and a temperature of 1,659 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 reaffirmed 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. A moderate, intermittent working face (garbage) odor was observed in the vicinity of the LSA water tower, directly above the working face.
6. Neither the northern or southern mister lines were observed to be running during the inspection. These were previously winterized.
7. Wind direction during the inspection was predominantly from the west to northwest (blowing from), with an estimated speed of up to ten miles per hour (10 mph).
8. Garbage was being disposed of in Cell 4A, at the top of the landfill. Windscreens were in place at this working face. Garbage was also being disposed of in newly-completed Cell 4E Stage 3. Mr. Schleyer stated that IESI had just received approval of the construction certification for this cell from the Department of Environmental Protection (DEP), and had begun filling the cell on December 30, 2015. He stated that, in accordance with regulations, only municipal waste was being disposed of in the first eight feet (8') of this cell, the so-called "fluff layer". Also, three (3) spotters were stationed at this working face to inspect each load and manually remove any items that might damage the liner. Daily cover soil was being placed over the garbage immediately after disposal. This activity was observed and confirmed during this inspection.
9. Cover soil is still being imported. No Alternative Daily Cover material is being used.

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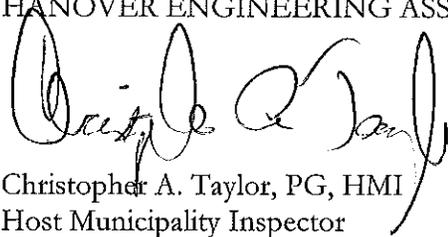
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- Manager
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- Zoning
- Finance
- Police
- P. Works
- P/C
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- EAC
- Engineer
- Solicitor
- Planner
- Landfill
- EMC
- Other

10. The western face remains dressed, with no erosion rills.
11. The face of the MSE wall still has some litter stuck in the vegetation. Mr. Schleyer was reminded to schedule pickers to remove this litter.
12. The northern perimeter silt fence is still breached in one (1) location. Mr. Schleyer was reminded to have this repaired.
13. The west high wall was observed. No major changes since the last inspection were evident. No slope failure and no major movement of soil or rock along the wall were observed.
14. The final capping project in the area of Cell 4F has not progressed substantially since the last inspection, when it was observed that soil had been installed on top of most of the synthetic cap. The completion of this project is awaiting suitable weather and site conditions.
15. The temporary capping project on the south face has progressed. The installation of the synthetic cap material over the soil subbase has now been completed and sealed to the adjacent permanent cap to the east. The gas collection lines have been placed under the synthetic cap. The placement of soil on the benches, to ensure proper grading for drainage, is awaiting suitable weather and site conditions.
16. The work to clean the sediment out of Basin 6 is suspended, pending suitable weather and site conditions.
17. Following the inspection, I conducted a driving patrol along Skyline Drive, beginning at 9:50AM. No landfill-related odors were observed during this inspection.
18. I conducted a driving patrol through Steel City starting at 10:00AM. 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

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