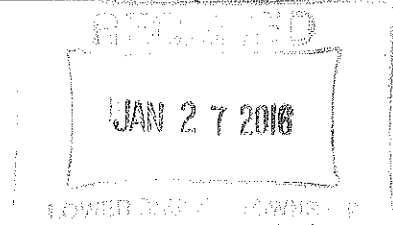


Hanover

Engineering Associates Inc

January 25, 2016



Ms. Leslie Huhn, Acting Manager
Lower Saucon Township
3700 Old Philadelphia Pike
Bethlehem, PA 18015

RE: Inspection Conducted on January 21, 2016
IESI Bethlehem Landfill
Hanover Project LS90-7

Dear Ms. Huhn:

The purpose of this letter is to report the results of the above-referenced "pre-meeting" inspection, which was conducted by me along with Mr. Allen Schleyer, District Manager for IESI, Ms. Priscilla deLeon, Township Council Liaison, Ms. Donna Louder, Citizen Representative, Ms. Maryanne Garber, Attorney for IESI, and Mr. Charles Elliott, Attorney for the Zoning Hearing Board. 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 3,080 Standard Cubic Feet per Minute (SCFM) and a temperature of 1,661 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.
3. The truck wash was not in use, due to dry 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 north to northwest (blowing from), with an estimated speed of ten to twenty miles per hour (10 - 20 mph).
8. Garbage was being disposed of in newly-completed Cell 4E Stage 3. Mr. Schleyer stated that IESI had begun filling the cell on December 30, 2015. Two (2) trucks were observed dumping, and four (4) were observed waiting. No windscreens were in place, since the working face is in the bottom of a large depression. This portion of cell filling is above the fluff layer, and so no special precautions were being employed. Mr. Schleyer stated that a portion of Cell 4E-3 adjoining the existing cell to the east is being left unfilled for now to maintain gas odor control measures present in this area.
9. Cover soil is still being imported. No Alternative Daily Cover material is being used. Cover soil was being stockpiled at the working face and garbage was being covered soon after it was placed.
10. There were some erosion rills in the western face, but no garbage was exposed.

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ROUTING

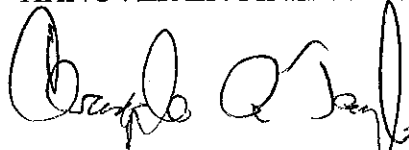
- Council
- Manager
- Asst. Mgr.
- Zoning
- Finance
- Police
- P. Works
- P/C
- P & R
- EAC
- Engineer
- Solicitor
- Planner
- Landfill
- EMC
- Other

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 progressed since the last inspection. Work was being completed to install a stormwater "downchannel" on the east side of the final capping area. This will carry water to benches which flow to the large stormwater channel which drains to Basin 2 on the south side, effectively taking runoff that would flow down the north slope and diverting it to the south.
15. The temporary capping project on the south face has not progressed. The installation of the synthetic cap material over the soil subbase was previously completed and sealed to the adjacent permanent cap to the east. The gas collection lines have been placed under the synthetic cap. However, Mr. Schleyer advised that these are not permanently connected to the gas collection system. He stated that temporary connections can be made to draw gas from them, if necessary. The placement of a geotextile drainage system and "wind defender" material and 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 12:15PM. No landfill-related odors were observed during this inspection.
18. I conducted a driving patrol through Steel City starting at 12:25PM. 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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