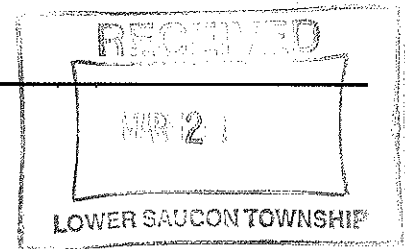


# Hanover

Engineering Associates Inc



March 17, 2016

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

RE: Inspection Conducted on March 17, 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, 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 3,000 Standard Cubic Feet per Minute (SCFM) and a temperature of 1,659 degrees Fahrenheit. The largest blower was observed to be in operation today. The paper chart of flare activity was observed to record back to March 11, and showed no disruptions in the rate of gas burning from then until the present time. The instrument readout indicated that the flare was running at approximately eighty-two percent (82%) capacity.
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. Light, intermittent working face (garbage) and landfill gas odors were observed near the LSA water tower, directly above the working face. No odors were observed anywhere else on the property.
6. Neither the northern or southern mister lines were observed to be running during the inspection. These were previously winterized.
7. Wind during the inspection was calm to five (5) miles per hour, from the southeast/south.
8. Garbage was being disposed of in Cell 4E Stage 3. Two (2) trucks were observed dumping, and none 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 not within the fluff layer (it is away from the north slope) and, therefore, no special precautions were being taken. Daily cover soil material was being staged at the working face during the inspection.
9. Cover soil is still being imported. No Alternative Daily Cover material is being used. Soil for use as cover and in construction is being stockpiled on site.
10. Work to dress the western face has taken place. Also, less of the western face is now exposed due to the filling of Cell 4E-3.
11. The face of the MSE wall still has some litter stuck in the vegetation. Mr. Schleyer stated that he would schedule pickers to remove it.

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ROUTING

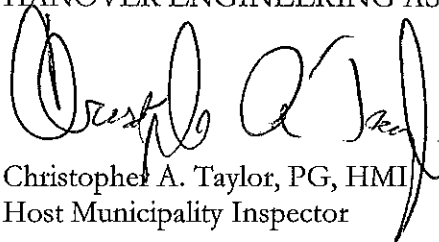
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  - Zoning
  - Finance
  - Police
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  - P & R
  - EAC
  - Engineer
  - Solicitor
  - Planner
  - Landfill
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12. The northern perimeter silt fence has been reinforced in the breached location by placing riprap along the fence.
13. The access road to the top of the landfill was covered with sediment. Mr. Schleyer stated that he would have this swept.
14. 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.
15. The final capping project in the area of Cell 4F is awaiting top soiling, seeding and mulching of the soil cover when weather and site conditions permit.
16. The work to clean the sediment out of Basin 6 is suspended, pending suitable weather and site conditions.
17. The temporary cap on the southern face was previously temporarily stabilized by placement of sandbags and installation of patch welds. Mr. Schleyer stated that the capping crew is scheduled to inspect and repair the damage to the cap caused by the February 16, 2016 wind storm and to continue the capping project starting next week.
18. Following the inspection, I conducted a driving patrol along Skyline Drive, beginning at 11:30 AM. No landfill-related odors were observed during this inspection.
19. In driving toward Steel City, I did not observe any odors attributable to the Bethlehem sewage treatment plant, either along Applebutter Road or Shimersville Road. Such odors had previously been reported in a recent Department of Environmental Protection (DEP) inspection report.
20. I conducted a driving patrol through Steel City starting at 11:40 AM. No landfill-related odors or sounds were observed. Likewise, no odors related to burning were observed. Such odors had previously been reported in a recent DEP inspection report. 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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