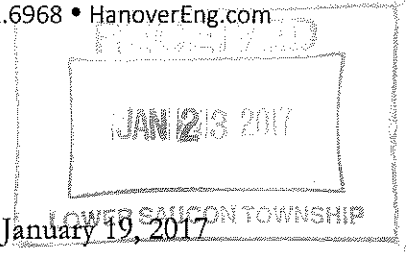


Hanover Engineering

252 Brodhead Road • Suite 100 • Bethlehem, PA 18017-8944

Phone: 610.691.5644 • Fax: 610.691.6968 • HanoverEng.com

January 20, 2017



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

RE: Inspection Conducted on January 19, 2017
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. No pre-inspection meeting was requested by IESI personnel. The inspection was conducted by me along with Nick Rogers, Compliance Manager. The following items were noted during the inspection:

1. Mr. Rogers stated that the BRE plant was currently running at full capacity.
2. The landfill flare was running at a flow rate of 900 scfm and a temperature of 1,669 degrees Fahrenheit. The largest blower was in operation. The bar graph on the instrument readout indicated that the flow rate was approximately thirty-nine percent (39%) of the Variable Frequency Drive (VFD) capacity. The paper chart record went back to January 6 and indicated multiple shutdowns. Mr. Rogers stated that four (4) of these were due to low temperature and occurred during a deep cold snap, one (1) was due to a low flow rate, and one (1) was a maintenance shutdown in order to clear a clogged pipe within the fenced flare enclosure area. Mr. Rogers stated that he is planning to upgrade the piping in this area to facilitate future maintenance.
3. The truck wash was in use due to muddy conditions. "Dirt" access roads within the landfill were very muddy due to the warm, rainy weather.
4. No mud, blowing litter, or odors were observed along Applebutter Road up to Ringhoffer Road, or the entrance driveway. There was some sediment on Applebutter Road. A street sweeper was observed cleaning Applebutter Road. There was sediment in some of the parking stalls of the office parking lot. Mr. Rogers stated that he would have this cleaned up.
5. Both the northern and southern mister lines remain offline and winterized.
6. Wind during the inspection was from the west at an estimated zero to five miles per hour (0 - 5 mph).
7. Garbage was being disposed of in new Cell 4E Stage 4. Disposal was taking place in the eastern side of the cell. This is away from the fluff layer against the liner and, therefore, no spotters were required. Cover soil was being removed from the west face to allow garbage to garbage contact as new garbage is placed. One (1) truck was dumping and two (2) were waiting. Trucks are still approaching the working face from the top of the landfill. However, they are now departing along the lower access road to the south. Windscreens were not in

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

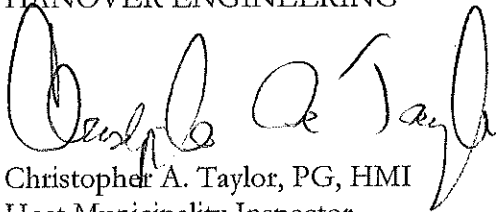
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- use at the working face, since it is down in a "hole" and blowing litter was not a problem. A slight working face odor was observed immediately west of the working face, when the wind shifted to blow from the east.
8. Mr. Rogers stated that a new equipment operator has been hired.
 9. Pickers were onsite removing litter.
 10. Cover soil is still being imported. No Alternative Daily Cover material is being used.
 11. The west high wall was observed. No slope failures or major movement of soil or rock since the last inspection was evident.
 12. The temporary cap on the southern face was observed. No inflation of the cap was evident.
 13. Mr. Rogers stated that he plans to hire a contractor to remove the vegetation that is encroaching on the north slope road, and that he anticipates the clearing work will take place in the late winter/early spring, before the leaves come out.
 14. A new mobile building was observed in place immediately next to the scale. Mr. Rogers stated that this will serve as the new scale house. He stated that this new arrangement will be safer and more efficient, as it will allow drivers to communicate with the scale operator without having to leave their trucks. Currently, drivers have to park on the scale, and walk up to the window at the office, crossing a driving lane in the process. He stated that this arrangement was previously proposed by the landfill and approved by the Township.
 15. I conducted a driving patrol along the intersection of Applebutter Road and Ringhoffer Road before the inspection, starting at 10:10 A.M. No landfill-related odors were observed. No sounds from the landfill flare were observed. Truck traffic was present on the landfill at that time, and truck noise was observed. I conducted a driving patrol along Skyline Drive before the inspection, starting at 10:15 A.M. No landfill-related odors or sounds were observed. I conducted a driving patrol through Steel City after the inspection, starting at 11:40 A.M. No landfill-related odors or sounds were observed.

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



Christopher A. Taylor, PG, HMI
Host Municipality Inspector

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