



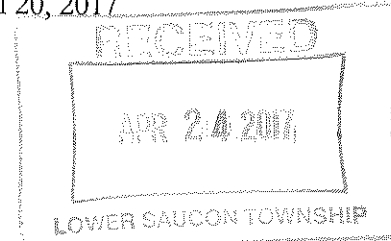
HanoverEngineering

252 Brodhead Road • Suite 100 • Bethlehem, PA 18017-8944
Phone: 610.691.5644 • Fax: 610.691.6968 • HanoverEng.com

April 21, 2017

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

RE: Inspection Conducted on April 20, 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. The inspection was conducted by me along with Priscilla deLeon, Township Council liaison to the Landfill Committee; Nick Rogers, Compliance Manager; and Mike Shelden, Operations Manager. The following items were noted during the inspection:

1. The BRE plant was not running. Mr. Rogers stated that the plant was on a scheduled maintenance shutdown that had started the morning of Monday April 17, 2017.
2. The landfill flare was running at a flow rate of 3,100 scfm and a temperature of 1,649 degrees Fahrenheit. The bar graph on the instrument readout indicated that the flow rate was approximately eighty-one percent (81%) of the Variable Frequency Drive (VFD) capacity. The largest blower was in operation. The blower was still making a buzzing sound, about as loudly as observed during the previous inspection. Mr. Rogers had previously installed materials to block the sound from the blower travelling off site. The paper chart indicated a shutdown of approximately two (2) hours in duration on the morning of April 17. Mr. Rogers stated that this was coordinated with the BRE shutdown which began at the same time for conducting upgrades and maintenance in various areas of the gas collection system. One (1) such item was new cleanouts installed for the condensate line sump near the landfill flare. The new cleanouts will enable cleaning of the sump where sediment entrained in the condensate is captured and collects. These new cleanouts were observed. The landfill flare was back on line after the two (2) hour shutdown. The BRE plant has remained off line since April 17 due to the need for more extensive maintenance work.
3. Ms. deLeon stated that a Steel City resident reported to her smelling a very strong landfill odor at 6:30 a.m. on either Monday April 17 or Tuesday April 18.
4. The truck wash was not in use due to dry conditions.
5. No mud, blowing litter, or odors were observed along Applebutter Road up to Ringhoffer Road, the entrance driveway, or the office parking lot.
6. The northern mister line was observed to be in operation, but several spray nozzles were not functional. Mr. Rogers will have these cleaned or replaced. The southern mister line is not yet in operation.
7. The box wire catch fence has now been moved and attached to the same guiderail as the northern mister line.

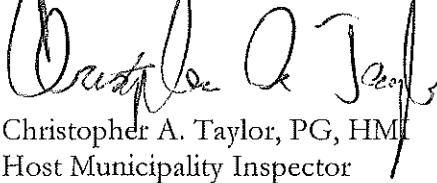
- S
- ROUTING
- Council
 - Manager *or.*
 - Asst. Mgr.
 - Zoning
 - Finance
 - Police
 - P. Works
 - P/C
 - P & R
 - EAC
 - Engineer
 - Solicitor
 - Planner
 - Landfill
 - EMC
 - Other *WCB*

8. Wind during the inspection was blowing from the north at an estimated five to ten miles per hour (5 – 10 mph). The weather was clear.
9. Garbage was being disposed of in new Cell 4E Stage 4, outside of the fluff layer. Disposal was taking place at the northern end of the cell in the fluff layer. Three (3) trucks were dumping and zero (0) were waiting. Trucks are still approaching the working face from the top of the landfill, but are now departing along the top also. Temporary windscreens were in place at the working face. A slight working face (garbage) odor was observed to the west of the working face, and later to the south of the working face.
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. SCS (the landfill's air quality consultant) was onsite performing maintenance work. This included raising the elevation of a gas collection line near the top of the southern face. Mr. Rogers stated this was necessary due to settlement that had occurred in this area.
14. Stockpiling and placement of topsoil was observed occurring at and near the top of the southern face. Mr. Sheldon stated that the top two (2) benches will receive topsoil to dress up and add cover. Seeding will then take place.
15. No odors, other than the working face odor noted above, were observed onsite.
16. Pickers were on site to remove litter.
17. The north slope road was driven. The clearing of vegetation from the perimeter fence and along the road was observed for the first half of the road (the worst part).
18. Spraying for dust suppression was observed.
19. I conducted a driving patrol along the intersection of Applebutter Road and Ringhoffer Road before the inspection, starting at 10:20 a.m. No landfill-related odors were observed. The sound of truck traffic on the landfill was observed. The buzzing sound coming from the largest blower was not audible. I conducted a driving patrol along Skyline Drive before the inspection, starting at 10:02 a.m. No landfill-related odors were observed. The sound of a dump truck driving on the landfill was observed. I conducted a driving patrol through Steel City after the inspection, starting at 11:50 a.m. No landfill-related odors or sounds were observed. A driving patrol through the narrows was conducted starting at 12:02 p.m. No issues 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

cat: llb