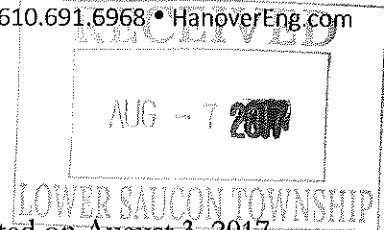


HanoverEngineering

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

Phone: 610.691.5644 • Fax: 610.691.6968 • HanoverEng.com

August 4, 2017



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

RE: Inspection Conducted on August 3, 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 "Mid-meeting" inspection. The inspection was conducted by me along with Nick Rogers, Compliance Manager. The following items were noted during the inspection:

1. The BRE plant was running. Mr. Rogers stated that they are running at full capacity.
2. The landfill flare was running at a flow rate of 1,221 scfm and a temperature of 1,685 degrees Fahrenheit. The bar graph on the instrument readout indicated that the flow rate was approximately fifty-four percent (54%) 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. Sound-blocking measures were still in place. The paper chart record extended back to August 1 and indicated no shutdowns since then. During the inspection, it was observed that the flare was functioning normally. Mr. Rogers stated that the lowest thermocouple in the flare stack was replaced several weeks ago because it was malfunctioning and sending false shutdown signals for high temperature. Flare shutdowns have decreased since it was replaced.
3. The truck wash was in use due to muddy conditions.
4. No mud, blowing litter, or odors were observed along Applebutter Road up to Ringhoffer Road, the entrance driveway, or the office parking lot.
5. The northern and southern mister lines were observed to be in operation during the inspection.
6. Wind during the inspection was calm to blowing from the north-northwest, at an estimated zero to five miles per hour (0 – 5 mph). The weather was clear.
7. Garbage was being disposed of in two (2) working faces. At the top of the landfill, garbage was being placed in Cell 4D. Two (2) trucks were dumping and zero (0) were waiting. Trucks are still approaching and departing this working face from the top of the landfill. One (1) compactor machine was operating at the working face. Cover soil was being staged here. Windscreens were in place here. A second working face is continuing at the bottom of the landfill in the southwest corner, in the "wedge" portion of Cell 4E Stage 1 that was not previously filled because the access road that runs through it was needed for trucks departing the working face. This road will be removed and replaced by a new road to accommodate

- ROUTING
- Council
 - Manager ^{only}
 - Asst. Mgr.
 - Zoning
 - Finance
 - Police
 - P. Works
 - P/C
 - P & R
 - EAC
 - Engineer
 - Solicitor
 - Planner
 - Landfill
 - EMC
 - Other *web*

- placement of garbage here. This area is still receiving municipal solid waste only from “neighborhood” collection trucks, and is being filled only during the first half of the day.
8. The beginning of the construction of the new replacement access road on the southern face was observed. This will provide access to the top of the landfill.
 9. Cover soil is still being imported. No Alternative Daily Cover material is being used.
 10. The west high wall was observed. No slope failures or major movement of soil or rock since the last inspection was evident.
 11. The temporary cap on the southern face was observed. No inflation of the cap was evident.
 12. Some litter was observed on site. A picker was present to remove the litter.
 13. No odors were observed anywhere on site aside from a working face odor near the working face at the top of the landfill.
 14. It was observed that mowing of the vegetation on the landfill surface has continued and is substantially complete.
 15. Mr. Rogers stated that all stormwater drains were cleaned out with a vacuum truck about two (2) weeks ago as routine maintenance. He stated that the landfill received very little rain from the storms that moved through the area the day before. No evidence of washouts was observed anywhere around the facility.
 16. A technician from SCS (the landfill’s air quality consultant) was observed on site. Mr. Rogers stated that he was performing a routine adjustment of the wellheads.
 17. Mr. Rogers stated that the exceedance locations which had been noted during the last PA DEP inspection had all passed the ten (10) day rechecks, and the thirty (30) day rechecks were coming up soon.
 18. I conducted a driving patrol along the intersection of Applebutter Road and Ringhoffer Road before the inspection, starting at 10:18 a.m. No landfill-related odors were observed. No sounds from the landfill flare were observed. The sound of truck traffic on the landfill was observed. I conducted a driving patrol along Skyline Drive after the inspection, starting at 11:36 a.m. No landfill-related odors were observed. The sound of the bulldozer working on the road construction on the southern face was observed. I conducted a driving patrol through Steel City after the inspection, starting at 11:46 a.m. No landfill-related odors or sounds were observed. The driving patrol along Riverside Drive did not reveal any landfill-related issues.

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