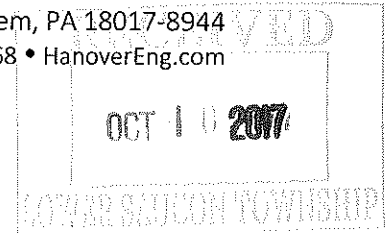


Hanover Engineering

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October 6, 2017

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

RE: Inspection Conducted on October 5, 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 half capacity, on one (1) compressor. The other compressor was taken off line this morning for scheduled maintenance that is expected to take several hours.
2. The landfill flare was running at a flow rate of 1,575 scfm and a temperature of 1,670 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 went back to September 22, 2017 and showed slight fluctuations in gas flow since that time which Mr. Rogers attributed to ongoing work at the BRE plant. Also, major changes to gas flow were recorded as follows: an increase on September 23 which Mr. Rogers said was due to BRE going off-line when utility crews were replacing a damaged pole along Applebutter Road (the plant must shut down when utility work is taking place, since it feeds electricity into the grid); an increase on October 2 which Mr. Rogers said was due to scheduled maintenance at BRE. During the inspection, it was observed that the flare was functioning normally.
3. The truck wash was not in use due to dry 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 five (5) mph from the west. The weather was sunny with no precipitation.
7. Garbage was being disposed of in one (1) working face at the top of the landfill, in Cell 4B. Two (2) trucks were dumping and zero (0) were waiting. Mr. Rogers wasn't sure of the elevation of the top of the garbage lift being placed at this location, but pointed out the

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

- survey control stakes had been placed around the working face to guide the operators as to location and elevation of the garbage placed. The garbage lift will be extended eastward at approximately this same elevation. 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 staged here. A working face odor was observed on site in the vicinity of the working face. No other odors were observed on site.
8. The completion 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. The road is fully paved with crushed stone. Guide rail has been installed along the downslope side of the road over its entire length. The road is not yet being used. I stated that there are specifications in the State regulations for haul roads as to width and maximum grade, and informed Mr. Rogers that I wanted to see the Department of Environmental Protection's (DEP) sign-off that the road meets those requirements.
 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. One (1) picker was observed working during the inspection.
 13. I stated that there was an odor complaint from Steel City on September 29, 2017 and asked Mr. Rogers about that. He stated that the landfill was not made aware of the complaint until October 3, 2017, at which time Mr. Hallock conducted an odor patrol through Steel City and observed no odors. Mr. Rogers further stated that he spoke with Jessica Wagoner, DEP, about the complaint. She told him that she responded to the complaint that same day, and that she observed no odors.
 14. I observed that the access road over the top of the landfill had just been sprayed with water for dust suppression.
 15. I conducted a driving patrol along the intersection of Applebutter Road and Ringhoffer Road before the inspection, starting at 10:30 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. The sound of tracked machines working on the east end of the landfill was observed. I conducted a driving patrol along Skyline Drive after the inspection, starting at 11:33 a.m. No landfill-related odors or sounds were observed. I conducted a driving patrol through Steel City after the inspection, starting at 11:45 a.m. No landfill-related odors were observed. No landfill-related sounds were observed at the entrance to the Hill Climb. The driving patrol along Riverside Drive did not reveal any landfill-related issues.

Activity Related to the Southeast Realignment Expansion

16. A large amount of earth moving and grading was observed taking place on the east end of the landfill. Mr. Rogers stated that this was for the construction of the base of the MSE wall and access road in this location.
17. It was observed that grading is taking place in Sedimentation Basin 2.
18. Structural fill for the construction of landfill cells was actively being added to the eastern stockpile.

Ms. Leslie Huhn
Township Manager

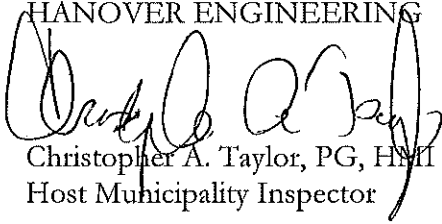
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October 6, 2017

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

A handwritten signature in black ink, appearing to read "Chris Taylor", is written over the printed name and title.

Christopher A. Taylor, PG, HMI
Host Municipality Inspector

cat:llb

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