

HanoverEngineering

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August 2, 2018

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

RE: Inspection Conducted on August 2, 2018
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, the Environmental Compliance Manager. The following items were noted during the inspection:

1. The BRE plant was not running. Mr. Rogers stated that they were down for planned maintenance since yesterday and expected to be back on line tomorrow.
2. The landfill flare was running at a flow rate of 3,800 scfm and a temperature of 1,666 degrees Fahrenheit and appeared to be operating normally. There were no visible emissions from the flare. The bar graph on the instrument panel indicated that the flare was running at seventy-six percent (76%) of the Variable Frequency Drive (VFD) capacity. The largest blower was in operation. The paper chart went back to July 20. It showed a decrease in gas flow to the flare to zero (indicating a flare shutdown) on July 31. Mr. Rogers stated that this outage occurred when a contractor stuck a gas collection line. This has since been repaired. The chart showed an increase in gas flow to the current rate starting on August 1, which corresponds with the BRE planned outage. Mr. Rogers stated that he attributes the higher overall volume of total gas collected to the new construction, consisting of the new gas wells and new loop header pipe.
3. The truck wash was in use due to wet conditions.
4. No blowing litter or odors were observed along Applebutter Road up to Ringhoffer Road, the entrance driveway, or the office parking lot. A coating of sediment was observed on the outbound lane of the entrance drive and on the westbound lane of Applebutter Road. I asked Mr. Rogers to check on the schedule for the street sweeper.
5. No wind-blown litter was observed on the site.
6. Wind during the inspection was from the west at 5 to 10 mph. Weather conditions were sunny, no rain, and hot. Heavy rain had fallen during the overnight.
7. Garbage was being disposed of at the eastern end of the top of the landfill at a lower working face. Small collection trucks are using the old eastern haul road to reach the working face, while tractor trailers are using the south face haul road to reach the working face. The truck tipper was in use unloading one (1) truck, with eight (8) trucks waiting. One (1) truck was unloading conventionally, with one (1) truck waiting to unload conventionally. The

ROUTING

- ☒ Council
- ☒ Manager
- ☐ Asst. Mgr.
- ☐ Zoning
- ☐ Finance
- ☐ Police
- ☐ P. Works
- ☐ P/C
- ☐ P & R
- ☐ EAC
- ☐ Engineer
- ☐ Solicitor
- ☐ Planner
- ☒ Landfill
- ☐ EMC
- ☐ Other

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portable mister was not in operation at the working face. The approach road to the working face from the south haul road is narrow, muddy and uneven. Mr. Rogers reported that two (2) trucks had previously slid off the approach road and had to be pulled back up by machinery on site.


8. Neither the north or south fixed mister lines were in use.
9. Areas of daily and intermediate cover are adequate to cover garbage, with no flagging garbage or seeps observed. No odors were observed anywhere on site.
10. The temporary cap on the south face was observed. No ballooning of the cap was occurring.
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 recycling and customer drop-off area (for small, non-commercial vehicles with garbage) is still relocated to the southern access road. The new area for these services is still being constructed as part of the Southeast Realignment.
13. I conducted a driving patrol along the intersection of Applebutter Road and Ringhoffer Road before the inspection, starting at 9:43 a.m. No landfill-related odors were observed. The sight of the landfill is mostly screened out by leaves on the trees now. The sound of tracked equipment running on the landfill, truck engines, tailgate slaps, and travel/backup alarms, was observed. I conducted a driving patrol along Skyline Drive before the inspection, starting at 9:30 a.m. No landfill-related odors were observed. The sight and sound of garbage trucks and dump trucks on the landfill (south face haul road) were observed from the end of Skyline Drive. I conducted a driving patrol through Steel City after the inspection, starting at 11:20 a.m. No landfill-related odors or sounds were observed from the entrance to the Hill Climb. On the driving patrol through the Narrows it was observed that sediment and small rocks were on the road downslope of the runoff point from the landfill from an earlier washout. No water was running at the time of the inspection.

Activity Related to the Southeast Realignment Expansion

14. Construction activity related to the expansion is continuing in new Cell SE-1A. Construction of the bottom liner and Geogrid over the liner is now complete. Fabric that acts as a protective cover for the liner was being installed. Rob Tyler of Martin and Martin was onsite overseeing the construction work.

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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