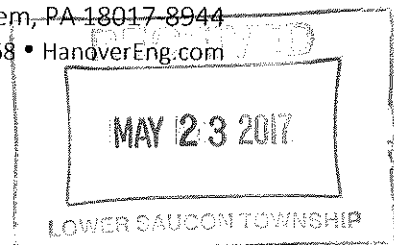


# Hanover Engineering

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Phone: 610.691.5644 • Fax: 610.691.6968 • HanoverEng.com



May 22, 2017

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

RE: Inspection Conducted on May 18, 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, and Nick Rogers, Compliance Manager.

During a brief meeting prior to the inspection, Donald Hallock, District General Manager, distributed a letter dated May 9, 2017 from SCS describing the work that had been done to diagnose and repair the issue that was noted with the landfill flare during the last inspection, involving the discharge of black smoke and open flames from the top of the flare enclosure. This letter had also been provided to the Township via e-mail. Mr. Hallock stated that the repair work on the flare was performed on May 4, 2017, the same day that the issue was observed during the last inspection. He stated that the repair work fixed the issue, and that it has not recurred since. Mr. Hallock also distributed two (2) photographs of the super silt fence along the downslope edge of the eastern stockpile area. This was in response to my request during the previous inspection that this fence be inspected to ensure that it is still properly in place. The photographs demonstrate that it is. Mr. Hallock also stated that he is working with the Township's building code inspector to resolve the issue of final permitting for the mobile scale house that was installed. Mr. Hallock was under the impression that all paperwork had been finalized, but apparently it had not been.

The following items were noted during the inspection:

1. The BRE plant was running. The gas flow rate at the landfill flare indicated that BRE was running at full capacity.
2. The landfill flare was running at a flow rate of 1,080 scfm and a temperature of 1,664 degrees Fahrenheit. The bar graph on the instrument readout indicated that the flow rate was approximately fifty-five percent (55%) 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 indicated increases in gas flow on May 11, and May 15. Mr. Rogers stated that these increases were due to brief maintenance shutdowns at BRE. During the inspection, it was observed that the flare was functioning normally.

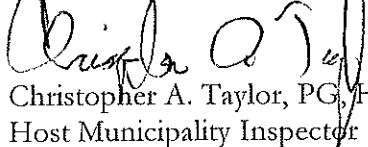
- S
- ROUTING
- Council
  - Manager
  - Asst. Mgr.
  - Zoning
  - Finance
  - Police
  - P. Works
  - P/C
  - P & R
  - EAC
  - Engineer
  - Solicitor
  - Planner
  - Landfill
  - EMC
  - Other

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 mister line was observed to be in operation, with all nozzles now functioning properly. The southern mister line was observed to be in operation, but numerous nozzles were not functioning. Mr. Rogers will have these repaired or replaced.
6. Wind during the inspection was blowing from the west at first, later shifting to the south, at an estimated five to ten miles per hour (5 – 10 mph). The weather was clear.
7. Garbage was being disposed of in Cell 4D. Three (3) trucks were dumping and zero (0) were waiting. Trucks are still approaching and departing the working face from the top of the landfill. Temporary windscreens were in place at the working face. One (1) compactor machine was running. The box wire litter control fence was observed to be free of litter.
8. Cover soil is still being imported. No Alternative Daily Cover material is being used.
9. The west high wall was observed. No slope failures or major movement of soil or rock since the last inspection was evident.
10. The temporary cap on the southern face was observed. No inflation of the cap was evident.
11. Mr. Rogers stated that the topsoiling and hydroseeding of approximately seven (7) acres is complete. This involved areas of intermediate cover mostly on the southern face, and also on the northern face above the maintenance building.
12. Pickers were on site to remove litter.
13. Evidence of spraying for dust suppression was observed: roads were wet, and the sprayer truck was observed refilling during the inspection.
14. During the inspection it was observed that a street sweeper was cleaning the internal paved roads within the facility and also cleaning Applebutter Road.
15. I conducted a driving patrol along the intersection of Applebutter Road and Ringhoffer Road before the inspection, starting at 10:15 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 11:50 a.m. No landfill-related odors or sounds were observed. No truck traffic was present on the lower access road of the landfill at this time. I conducted a driving patrol through Steel City after the inspection, starting at 12:02 p.m. No landfill-related odors were observed. The sound of equipment (travel alarm) was audible from the hill climb entrance. 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