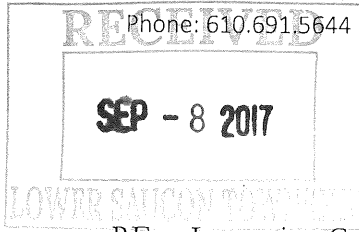


# Hanover Engineering

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



September 6, 2017

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

RE: Inspection Conducted on September 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 full capacity, and have been since a planned maintenance outage of about four (4) hours on September 1, 2017.
2. The landfill flare was running at a flow rate of 1,100 scfm and a temperature of 1,668 degrees Fahrenheit. The bar graph on the instrument readout indicated that the flow rate was approximately fifty-two percent (52%) 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 recorder is broken and no record was present to examine. Mr. Rogers stated that he has what he needs to make repairs. In lieu of the paper chart, the history recorded in the electronic display was reviewed back to September 1. The changes in gas flow to the flare associated with the BRE shutdown on that day were noted. No other significant variations in gas flow were noted. During the inspection, it was observed that the flare was functioning normally.
3. The truck wash was 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. The weather was cloudy with no precipitation.
7. Garbage was being disposed of in one working face at the top of the landfill, in Cell 4D. One (1) truck was 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 working face odor was observed on site in the vicinity of the working face. No other odors were observed on site.

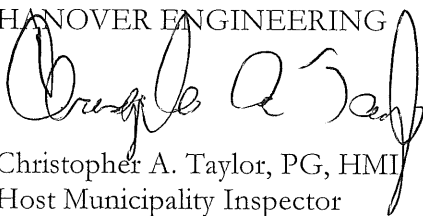
- S
- ROUTING
- Council
  - Manager
  - Asst. Mgr.
  - Zoning
  - Finance
  - Police
  - P. Works
  - P/C
  - P & R
  - EAC
  - Engineer
  - Solicitor
  - Planner
  - Landfill
  - EMC
  - Other
- orig*
- web*

8. The continuation 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. Mr. Rogers stated that the street sweeping routine of Applebutter Road was still ongoing, and was last completed on September 1.
13. Mr. Rogers stated that one (1) picker was working to clean up blown litter on site. He was observed working during the inspection.
14. Mr. Rogers stated that he inspected the north slope road last week in advance of the next quarterly sampling event that will take place in September. He said that he found the road to be overgrown, and has scheduled a contractor to come out this week to cut it back.
15. I asked Mr. Rogers if the facility was prepared to handle a significant rainfall event should Hurricane Irma come far enough north to affect our weather. He stated that he had received instructions last week to begin preparing for that very possibility, and that he was doing so.
16. I conducted a driving patrol along the intersection of Applebutter Road and Ringhoffer Road before the inspection, starting at 10:22 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 11:35 a.m. No landfill-related odors were observed. The sounds of the heavy equipment working on the new southern face access road 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. The faint sound of equipment was observed at the entrance to the Hill Climb. 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

S:\Projects\Municipal\1.SauconTwp\1s90-07-BethLandfill\Docs\TESI landfill report of Sept 5, 2017 insp.doc