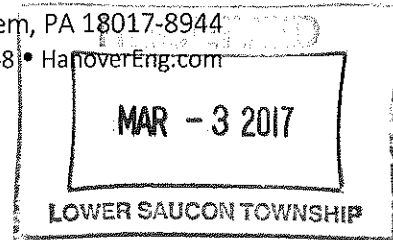


# Hanover Engineering

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March 1, 2017

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

RE: Inspection Conducted on March 1, 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. Prior to the inspection, a meeting was held at the landfill office between myself; Mr. Don Hallock, District General Manager; Mr. Nick Rogers, Compliance Manager; and Mr. Mike Shelden, Operations Manager. The contents of the last inspection report were reviewed and discussed. Follow-up was provided on issues identified in that report, as described below:

- Item 2 – The portion regarding the issue of the buzzing sound coming from the largest blower. Mr. Rogers stated that the vibration test has been completed, which indicated that the unit is operating normally with virtually no vibration. He stated that the sound might be attributable to the frequency (of revolutions) that the unit is running at. Mr. Hallock stated that he is still investigating how to address this issue.

The inspection was conducted by me along with Mr. Rogers. The following items were noted during the inspection:

- Mr. Rogers stated that the BRE plant was currently running at full capacity.
- The landfill flare was running at a flow rate of 1,020 scfm and a temperature of 1,652 degrees Fahrenheit. The bar graph on the instrument readout indicated that the flow rate was approximately forty-two percent (42%) 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 February 16, 2017 inspection. The paper chart was new and provided no recent history of flare activity. Mr. Rogers stated that SCS (the landfill's air quality consultant) has conducted two (2) rounds of testing on the newly-installed gas wells, which has allowed them to calculate the proper vacuum to apply to these wells. They are now starting to "pull harder" on these new wells. This, along with the increased gas generation that naturally comes from recent warmer weather, has caused an increase in gas production which Mr. Rogers estimates at 100 scfm.
- The truck wash was in use due to muddy conditions.
- No mud, blowing litter, or odors were observed along Applebutter Road up to Ringhoffer Road, the entrance driveway, or the office parking lot.

5  
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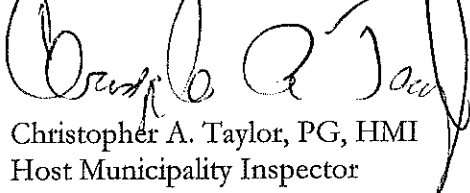
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5. Both the northern and southern mister lines remain offline and winterized.
6. Wind during the inspection was calm at the start, then began blowing from the south at an estimated five to ten miles per hour (5 – 10 mph). Heavy rain was falling at the start of the inspection, but slacked off by the end of the inspection.
7. Garbage was being disposed of in new Cell 4E Stage 4. Disposal was taking place in the eastern side of the cell out of the fluff layer. Two (2) trucks were dumping and one (1) was waiting. Trucks are still approaching the working face from the top of the landfill and departing along the lower access road to the south. Windscreens were staged at the working face. No working face odors were observed. Dump trucks were observed delivering soil that was then staged at the working face for use as daily cover.
8. Pickers were onsite to remove litter but were not actively working due to the heavy rain. No blowing litter was observed on the site.
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. The new scale house in the mobile trailer continues in operation.
13. No stormwater washouts were observed on the site. All stormwater conveyance systems observed during the inspection were functioning properly and well within their capacity.
14. I conducted a driving patrol along the intersection of Applebutter Road and Ringhoffer Road before the inspection, starting at 10:22 AM. No landfill-related odors were observed. No truck traffic was present on the landfill at that time, and so no truck noise was observed. The buzzing sound coming from the largest blower was not audible (see Item 2 above), but this may have been due to the sound of falling rain masking it. I conducted a driving patrol along Skyline Drive after the inspection, starting at 11:40 AM. No landfill-related odors or sounds were observed. No truck traffic was present on the nearest part of the landfill at this time, and so no truck noise was observed. I conducted a driving patrol through Steel City after the inspection, starting at 11:53 AM. No landfill-related odors or sounds were observed. On my driving patrol through the narrows, I observed that there was no washout and no stormwater runoff at the western drainage point from the landfill property. Further east on Riverside Drive, I observed that some sediment and small rock fragments had washed onto the road at the high point where runoff is not attributable to the landfill.

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