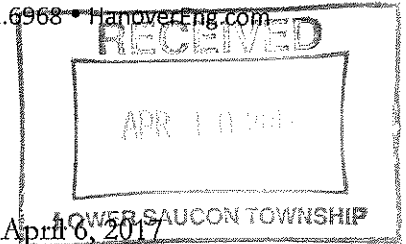


Hanover Engineering

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April 6, 2017



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

RE: Inspection Conducted on April 6, 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. Mr. Rogers stated that the BRE plant was currently running at full capacity. He stated that they had an outage for scheduled maintenance on or about March 24.
2. The landfill flare was running at a flow rate of 905 scfm and a temperature of 1,668 degrees Fahrenheit. The bar graph on the instrument readout indicated that the flow rate was approximately forty-three percent (43%) 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. Mr. Rogers has installed materials to block the sound from the blower travelling off site. The paper chart indicated one (1) shutdown, on March 27. Mr. Rogers stated that was due to low temperature.
3. The truck wash was in use due to muddy 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. The landfill's "power broom" equipment was observed sweeping the westbound lane of Applebutter Road.
5. The northern mister line was observed to be in operation. This line has been moved from the northern perimeter fence to the guardrail that runs along the top of the MSE wall. This serves to bring it closer to the source of potential odors, both horizontally and vertically. The southern mister line is not yet in operation.
6. Wind during the inspection was blowing from the east at an estimated ten to twenty miles per hour (10 – 20 mph). Light to moderate rain was falling during the entire inspection.
7. Garbage was being disposed of in new Cell 4E Stage 4 at one (1) working face. Disposal was taking place at the northern end of the cell in the fluff layer. Here, a spotter was stationed at the working face to check for items that might damage the liner. One (1) truck was dumping and zero (0) were waiting. Cover soil was observed staged at the working face. Loads that cannot be disposed of in the fluff layer were being dumped further east in the cell, out of the fluff layer. 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

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 - Engineer
 - Solicitor
 - Planner
 - Landfill
 - EMC
 - Other

Web

- face: A working face odor was observed to the west (downwind direction). Steam was observed rising from the newly placed garbage. Mr. Rogers conferred with Mike Shelden, Operations Manager, who stated that a load of soil mixed with manure had just been dumped, and the organics in the manure were warm and causing steam in the damp, chilly weather. I conducted visual and olfactory observations which confirmed this assertion.
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. The new scale house in the mobile trailer continues in operation.
 12. No washouts or other stormwater-related issues were observed. The stormwater system appeared to be handling the runoff easily, with no problems observed.
 13. No odors, other than the working face odor noted above, were observed onsite.
 14. Mr. Rogers stated that the quarterly groundwater monitoring event took place in March with no issues. This had been rescheduled due to the snow storm on March 14.
 15. Mr. Rogers stated that the northern perimeter road and fence have been cleared of vegetation. The north slope road was not driven due to muddy conditions. This will be checked at the next inspection.
 16. Mr. Rogers stated that the Department of Environmental Protection's Solid Waste Program conducted a joint inspection along with the Air Quality program on March 24. This included Surface Emissions Monitoring, which revealed one (1) exceedance location. This was remediated and has since passed the ten (10) day recheck.
 17. Mr. Hallock (during a brief meeting prior to the inspection) was asked about a visit to the facility conducted by multiple Department of Environmental Protection (PA DEP) personnel on March 2, 2017. Mr. Hallock stated that Roger Bellas conducted a comprehensive tour of the facility with a team of people, some of whom had not been to the landfill before, and held a conversation with landfill personnel regarding the proposed Southeast Realignment. He stated that it was not a formal inspection that would generate a report.
 18. I conducted a driving patrol along the intersection of Applebutter Road and Ringhoffer Road after the inspection, starting at 12:15 p.m. No landfill-related odors or sounds were observed. The buzzing sound coming from the largest blower was not audible. I conducted a driving patrol along Skyline Drive after the inspection, starting at 11:40 a.m. No landfill-related odors or sounds were observed. A lot of background noise from the Calpine Energy plant was occurring. I conducted a driving patrol through Steel City after the inspection, starting at 11:53 a.m. No landfill-related odors or sounds were observed. A driving patrol through the narrows was conducted starting at 12:02 p.m. No runoff was observed at the eastern discharge point.

Ms. Leslie Huhn
Township Manager

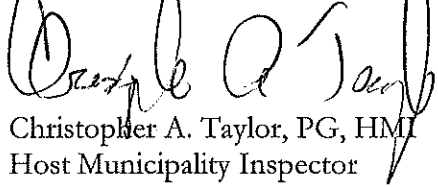
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April 6, 2017

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



Christopher A. Taylor, PG, HMI
Host Municipality Inspector

cat: llb

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