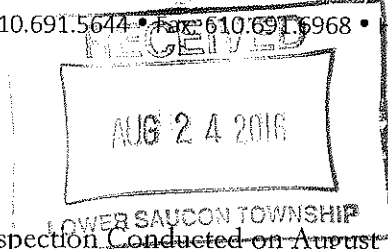


Hanover Engineering

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August 19, 2016



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

RE: Inspection Conducted on August 18, 2016
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, which was conducted by me along with Mr. Nick Rogers, Compliance Manager, Mr. Mike Shelden, Operations Manager, and Ms. Donna Louder, Citizen Representative. The following items were noted during the inspection:

1. The Bethlehem Renewable Energy (BRE) plant was running. Mr. Rogers advises that they are running at approximately fifty percent (50%), since only one (1) of two (2) compressors is in use.
2. The landfill flare was running at a flow rate of 1,780 Standard Cubic Feet per Minute (SCFM) and a temperature of 1,645 degrees Fahrenheit. The instrument readout indicated that this flow rate was about fifty-two percent (52%) of the flare capacity. The paper chart record went back to August 15 and did not appear to show any shutdowns since then. The largest blower was observed to be in operation.
3. The truck wash was in use due to muddy conditions.
4. No mud, odor, or blowing litter were observed along Applebutter Road up to Ringhoffer Road, the entrance driveway, or at the office parking lot. Mr. Shelden stated that the street sweeping contractor has visited the site twice since this program was initiated, and will continue to do so every other week on a Friday. He stated that the landfill has their own sweeper if the need arises.
5. The northern mister line was observed to be running during the inspection. The southern mister line was not running. Mr. Shelden stated that it was operating on a timer and had cycled off.

Wind during the inspection was from the north/northwest at an estimated zero to five miles per hour (0 - 5 mph).

Garbage was being disposed of in Cell 4E Stage 3. One (1) truck was observed dumping, with zero (0) waiting. Cover soil is being staged at the working face. Trucks are still approaching and departing the working face from the top of the landfill. Windscreens were in place at the working face. The box wire "catch" fence is still in place.

Mr. Louder reported to the group that she can hear sound related to work taking place at the working face and the construction of the MSE wall at her property.

ROUTING

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

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9. Cover soil is still being imported. No Alternative Daily Cover material is being used. Mr. Shelden stated that most of the cover soil material comes from "Bayshore" and clarified that this is a company that takes in material and processes it to obtain aggregate or other desirable material. Soil is produced as a by-product of this process. It is this soil that is imported by the landfill for use as cover material. Mr. Rogers stated that Tracy McGurk of the PA DEP visited the Bayshore site to observe their operation and approved the use of material from the site as cover soil at the landfill. Mr. Rogers stated that they have Certificates of Clean Fill on file from the Bayshore Site.
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 landfill is spraying water on the roads for dust suppression.
12. The temporary cap on the southern face was observed, and no inflation was observed. Mr. Rogers stated that there have been no recent problems with inflation of the cap.
13. A crew was observed onsite continuing the construction of the remainder of the MSE wall. It has now been extended as far west as the water tower, though not yet to full height.
14. Construction on new Cell 4E Stage 4 is continuing at the western end of the landfill, though it was not active today due to wet site conditions.
15. Mr. Hallock stated that an upgrade of the landfill gas collection system is being planned for early in the fourth quarter of 2016. The project is going out to bid at this time.
16. Mr. Rogers stated that the landfill is working to implement a monitoring and control system that will tie both the landfill flare and the BRE plant together and allow for the operating conditions of both to be monitored and controlled remotely from off-site.
17. The cleanout of accumulated soil in Basin 4 is continuing as conditions allow. Dry conditions are needed.
18. Mr. Rogers stated that the ten (10) day recheck of the exceedance locations identified by the Department of Environmental Protection (DEP) Air Quality Program during their inspection on July 20, 2016 has taken place and that all eleven (11) exceedance locations passed. The thirty (30) day recheck is pending. He also stated that the DEP and SCS (landfill Air Quality consultant) were planning a joint site inspection on August 22 and 23.
19. Mr. Hallock stated that the new community hotline for citizens to call after hours if they are experiencing a problem such as odors is operational. Mr. Shelden will be the first respondent to calls, with Mr. Hallock and Mr. Rogers as the backups. Mr. Shelden stated that the hotline has not yet received any calls.
20. A Lower Saucon Police Officer was observed to be on site conducting overweight truck enforcement.
21. I conducted a driving patrol along the intersection of Applebutter Road and Ringhoffer Road, starting at 12:07 PM. The sound of trucks operating at the landfill was observed at that time. No sounds from the flare, and no landfill-related odors, were observed. I conducted a driving patrol along Skyline Drive starting at 12:14 PM. No landfill-related odors were observed. No trucks or equipment were operating on the nearest part of the landfill at that time, so no sounds were observed. I conducted a driving patrol through Steel City starting at 12:19 PM. No landfill-related odors were observed. The sound of machine travel/back-up alarms coming from the landfill was observed.

Ms. Leslie Huhn
Township Manager

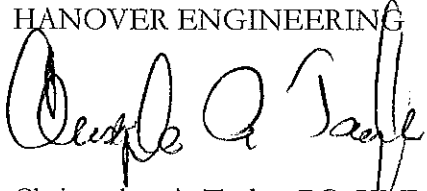
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August 19, 2016

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

A handwritten signature in black ink, appearing to read "Chris A Taylor". The signature is written in a cursive style with a large initial "C" and "T".

Christopher A. Taylor, PG, HMI
Host Municipality Inspector

cat:lb

S:\Projects\Municipal\1.SauconTwp\1.s90-07-BerhLandfill\Docs\11\SI landfill report of Aug 18, 2016 msp.doc