



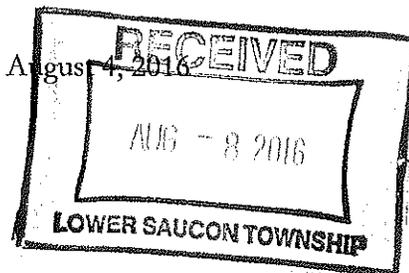
# Hanover Engineering

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

August 4, 2016

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

RE: Inspection Conducted on August 4, 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 "Mid-meeting" inspection, which was conducted by me along with Mr. Mike Shelden, Operations Manager. The following items were noted during the inspection:

1. The Bethlehem Renewable Energy (BRE) plant was running.
2. The landfill flare was running at a flow rate of 1,700 Standard Cubic Feet per Minute (SCFM) and a temperature of 1,647 degrees Fahrenheit. The instrument readout indicated that this flow rate was about forty-four percent (44%) of the flare capacity. The paper chart record went back to August 1 and appeared to show three (3) flare shutdowns since then. The largest blower was observed to be in operation.
3. The truck wash was not in use due to dry 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.
5. Both the northern and southern mister lines were observed to be running during the inspection.
6. Wind during the inspection was from the south/southeast at an estimated five to ten miles per hour (5 - 10 mph).
7. Garbage was being disposed of in Cell 4E Stage 3. Five (5) trucks were observed dumping, with zero (0) waiting. Trucks are now 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. A slight garbage odor was observed at the water tower, immediately downwind of the working face.

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Cover soil is still being imported. No Alternative Daily Cover material is being used. Compost material is also being imported. Mr. Shelden stated that this will be used to mix with topsoil to create cover for growth of vegetation.

The face of the MSE wall remains clean.

The west high wall was observed. No slope failures or major movement of soil or rock since the last inspection was evident.

The landfill is spraying water on the roads for dust suppression. Wet roads and the operation of the water truck were observed.

The temporary cap on the southern face was observed, and no inflation was observed. Mr. Shelden stated that there have been no recent problems with inflation of the cap.

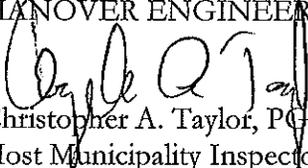
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13. A crew was observed onsite continuing the construction of the remainder of the MSE wall. The first five (5) courses have been constructed over a length of approximately one hundred feet (100').
14. Construction on new Cell 4E-4F is continuing at the western end of the landfill. It was observed that workmen were placing fill to form the base of the cell. Mr. Shelden stated that this was structural fill.
15. The cleanout of accumulated soil in Basin 4 is continuing as conditions allow. Dry conditions are needed.
16. New silt fencing has been installed along the northern perimeter.
17. Mr. Shelden stated that the landfill experienced no major washouts during the recent heavy rains.
18. Mr. Shelden stated that the Department of Environmental Protection (DEP) Air Quality Program conducted an inspection approximately ten (10) days ago, which included Surface Emission Monitoring. The inspection revealed approximately twelve (12) exceedance locations, which the landfill is working to remediate. An excavator was observed conducting this work. He stated that SCS, the landfill's air quality consultant, was on site addressing the issue. He also stated that the DEP and SCS were planning a joint site inspection on or about August 22.
19. At the previous inspection, Mr. Hallock stated that the landfill is starting a new community hotline for citizens to call after hours if they are experiencing a problem such as odors. Mr. Shelden will be the first respondent to calls, with Mr. Hallock and Mr. Rogers as the backups. During this inspection, Mr. Shelden stated that he is not sure whether or not the hotline is active yet, but that he has not received any telephone calls regarding complaints.
20. A Lower Saucon Police Officer was observed to be on site conducting overweight truck enforcement.
21. Prior to the inspection, I conducted a driving patrol along the intersection of Applebutter Road and Ringhoffer Road, starting at 10:25 AM. The sounds of trucks and equipment operating at the landfill were observed at that time. No sounds from the flare, and no landfill-related odors, were observed. Following the inspection, I conducted a driving patrol along Skyline Drive starting at 11:45 AM. 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 11:52 AM. No landfill-related odors or sounds were observed.

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, P.E., HMI  
Host Municipality Inspector

cat:llb