

Hanover

Engineering Associates Inc

June 3, 2016

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

RE: Inspection Conducted on June 2, 2016
IESI Bethlehem Landfill
Hanover Project LS90-7

JUN - 6 2016

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. Nick Rogers, Compliance Manager for IESI, Ms. Priscilla deLeon, Township Council liaison, and Ms. Donna Louder, Citizen Representative. Prior to the start of the inspection, we were greeted in the Landfill Office by Mr. Donald Hallock and Mr. Jeffrey Kopyta of Waste Connections, Inc. Mr. Hallock provided his business card, which identifies him as the District General Manager. He stated that Waste Connections, Inc. had just purchased Progressive Waste Solutions (which had previously purchased IESI). He further stated that he would be the District Manager for the Bethlehem facility, and that Nick Rogers would be continuing in the role of Compliance Manager. The following items were noted during the inspection:

1. The Bethlehem Renewable Energy (BRE) plant was not running.
2. The landfill flare was running at a flow rate of 3,185 Standard Cubic Feet per Minute (SCFM) and a temperature of 1,660 degrees Fahrenheit. The largest blower was observed to be in operation. The instrument readout indicated that the flare was running at approximately eighty-four percent (84%) capacity. The paper chart record went back to May 24, 2016 and showed no major fluctuations in gas flow or temperature.
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 landfill office parking lot. The internal access road was clear of sediment.
5. The northern mister line was observed to be running during the inspection. The southern mister line was not running.
6. Wind during the inspection was estimated at five to ten (5 - 10) miles per hour, blowing from the east at first, then shifting around to the south, and finally the west, as the inspection progressed.
7. Garbage was being disposed of in Cell 4E Stage 3, at the eastern side of the cell away from the liner and not in the fluff layer. One (1) truck was observed dumping, and one (1) was observed waiting. Windscreens were in place. The box wire fence meant to catch blowing litter has been moved to the south (closer to the working face) and lengthened to encompass more of the Cell 4E area. Daily cover soil material was observed staged at the working face during the inspection. A strong continuous working face (garbage) odor was observed between the water tower and west end of the MSE wall during the entire inspection of the working face.

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8. Mr. Rogers stated that the truck tipper had been removed from the site for repairs. He wasn't sure if it was slated to return to this facility or not.
9. Cover soil is still being imported. No Alternative Daily Cover material is being used. Soil for use as cover and in construction was previously stockpiled on site.
10. The face of the MSE wall remains clean.
11. The west high wall was observed. No slope failures or major movement of soil or rock since the last inspection was evident.
12. The work to clean the sediment out of Basin 6 has been completed. Mr. Rogers stated that he would like to install a gravel bed in the basin so that water will drain down through any accumulated sediment rather than saturating the sediment. This condition made the basin very difficult to clean out.
13. Mr. Rogers stated that he would like to begin cleaning out Basin 3 next, but the sediment is too wet and will need to dry out considerably first.
14. Mr. Rogers stated that the landfill gas capture network under the temporary cap on the south face has now been permanently connected to the gas collection system.
15. Mr. Rogers stated that a meeting is scheduled with the contractor to discuss where the new gas extraction wells will be drilled. He has been reviewing data from the existing gas wells to provide input as to where new wells are needed, and which existing wells need to be re-drilled.
16. Following the inspection, I conducted a driving patrol along the intersection of Applebutter Road and Ringhoffer Road, starting at 12:12 PM. No sounds from the flare, and no landfill-related odors, were observed. No trucks were driving on the access road at this time. I conducted a driving patrol along Skyline Drive starting at 12:19 PM. The sound of a garbage truck driving on the southern access road was observed. No landfill-related odors were observed. I began a driving inspection through Steel City at 12:29 PM. 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 ASSOCIATES, INC.



Christopher A. Taylor, PG, HMI
Host Municipality Inspector

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