

# Hanover

Engineering Associates Inc

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FEB - 9 2015

February 5, 2015

Mr. Jack Cahalan, Manager  
Lower Saucon Township  
3700 Old Philadelphia Pike  
Bethlehem, PA 18015

RE: Inspection Conducted on February 5, 2015  
IESI Bethlehem Landfill  
Hanover Project LS90-7

Dear Mr. Cahalan:

The purpose of this letter is to report the results of the above-referenced "mid-meeting" inspection, which was conducted by me along with Allen Schleyer, Compliance Manager for IESI, and Donna Louder, Committee Member. 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 1500 Standard Cubic Feet per Minute (SCFM) and a temperature of 1664 degrees Fahrenheit.
3. The truck wash was not in use due to dry (frozen) conditions.
4. No mud or blowing litter was observed along Applebutter Road, the entrance driveway, or at the landfill office. A slight garbage odor was observed at the landfill office parking lot at the end of the inspection.
5. No litter was observed in the trees within the perimeter fence. Litter was observed at the toe of the south face. Mr. Schleyer stated that IESI would schedule pickers to remove it. Windscreens were in use at the working face. Wind direction during the inspection was predominantly from the north to northwest (blowing from), with an estimated speed of ten to twenty miles per hour (10-20 mph), gusting and shifting occasionally to blow from the south.
6. Garbage was being disposed of in Cell 4F, near the MSE wall. One (1) truck was off-loading and two (2) trucks were waiting for the truck tipper. A truck was parked on the tipper, but the driver could not open the back door (latch stuck), so the tipper was not observed in use.
7. Soil being used for daily cover material is trucked in from off-site. All cover soil currently being used is being imported. No Alternative Daily Cover material is being used.
8. The west high wall was observed and appears to be substantially unchanged since the last inspection. No major slope failures along the wall were observed.
9. A moderate odor that seemed to be a combination of garbage and landfill gas was observed near the western end of the MSE wall when the wind would shift and blow from the south.
10. Neither the spray line along the northern perimeter nor the spray line along the southern access road was running at the time of the inspection. Mr. Schleyer stated that they cannot be operated in below-freezing temperatures.

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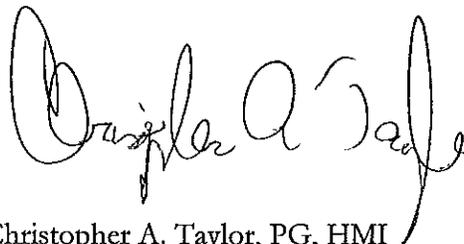
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11. A new control panel that will supply emergency power to Pump Stations 1, 2, and 3 in the event of a power outage has been installed and is functional.
12. Mr. Schleyer stated that IESI has suspended adding cover soil to existing areas of intermediate cover on the south face due to unfavorable weather and site conditions. This work started where the final capping ends and extends westward to the "shoulder" of the landfill. Mr. Schleyer stated that the work stopped two (2) benches below the top of the landfill. Stockpiles of cover soil were observed on the very top of the landfill. Mr. Schleyer previously stated that the plan is to add cover soil all the way to the top of the southern face in this area. He stated that the amount of soil being added will be up to one foot (1') in thickness, bringing the total soil cover in these areas up to as much as two feet (2').
13. Mr. Schleyer stated that the work to upgrade the computer system that runs the scale has been completed. He stated that this work took place over two (2) days, during which time the landfill wrote out weight tickets manually. He stated that the landfill was open to 5:00PM on the first day only, and has been back to regular hours since then. A long line of trucks waiting to use the scale was observed. Mr. Schleyer stated that the scale equipment was working properly, and that this was simply due to numerous trucks arriving at the landfill at the same time.
14. Work had previously been completed to place, grade, and compact soil for the subbase of new Cell 4E Stage 3. Mr. Schleyer stated that this this work was suspended pending better weather and site conditions.
15. This inspector observed that a Lower Saucon Township Police vehicle entered the office parking lot at the end of the inspection, apparently as part of the Townships ongoing traffic enforcement effort.
16. This inspector conducted a patrol through Steel City and the narrows, beginning at 12:15PM. No landfill-related odors or sounds were observed during this inspection.

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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