

Hanover

Engineering Associates, Inc.

JAN 20 2015

January 16, 2015

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

RE: Inspection Conducted on January 15, 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 "pre-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 1052 Standard Cubic Feet per Minute (SCFM) and a temperature of 1625 degrees Fahrenheit.
3. The truck wash was not in use due to dry conditions.
4. No mud or blowing litter was observed along Applebutter Road, the entrance driveway, or at the landfill office. A slight landfill gas odor was observed along Applebutter Road in front of the BRE plant.
5. No litter was observed in the trees within the perimeter fence. Litter was observed on the face of the MSE wall. Mr. Schleyer stated that IESI had pickers working on a different part of the site (this was confirmed by this inspector), and that they would be directed to remove the litter from the MSE wall. Windscreens were in use above the working face. Wind direction during the inspection was predominantly from the north to west (blowing from), with an estimated speed of five to ten miles per hour (5-10 mph).
6. Garbage was being disposed of at the interface of Cell 4E Stages 1 and 2. Two (2) trucks were off-loading and one (1) truck was waiting. The truck tipper is still stationed at the top of the west face, above the working face, and had been used just before the inspection moved to this area. No noise from the tipper operation was noted.
7. Soil for daily cover material is still being trucked in from off-site. All cover soil currently being used is being imported. No Alternative Daily Cover material is being used. No excavation work was taking place at the north end of Cell 4E to generate cover material.
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 slight garbage odor was observed near the western perimeter of the landfill.
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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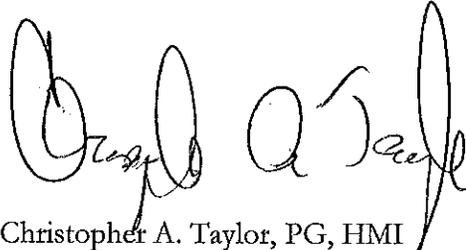
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- Solicitor
- Planner
- Landfill
- EMC
- Other

11. A new control panel that will supply emergency power to Pump Stations 1, 2, and 3 in the event of a power outage is still staged in the parking lot, awaiting installation.
12. Mr. Schleyer stated that IESI is still in the process of adding cover soil to existing areas of intermediate cover on the south face. This work starts where the final capping ends and extends westward to the "shoulder" of the landfill. The face between the lower three (3) benches was observed to have new soil added. 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 dumpster containing the load of garbage that arrived at the landfill on fire last week has since been disposed of.
14. Work has taken place to place, grade, and compact soil for the subbase of new Cell 4E Stage 3. This dark soil was observed by this inspector. Mr. Schleyer stated that it is clay-rich soil that must pass testing to demonstrate it is adequate for cell construction. Mr. Schleyer stated that soil material was being stockpiled onsite for construction of this new cell, which will take place in the spring as weather allows.
15. IESI had prepared four (4) shallow test pits in the intermediate cover along the top of the south face to demonstrate the depth of the soil cover in these locations. This inspector observed that the pits were eighteen to twenty-four inches (18" – 24") deep, and that garbage had not been exposed in the bottom of any of the pits (indicating that the soil cover was thicker yet).
16. Ms. Louder reported that, approximately two (2) weeks ago in the evening, she was able to see from her property the headlights of a truck driving on top of the landfill. She called the landfill and was told that the truck was using "the new road". She also stated that she could hear truck noise from her property. Mr. Schleyer stated that this would have been a truck hauling fill soil, not garbage, since garbage trucks don't operate in the evening.
17. 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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