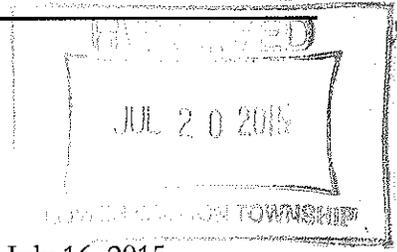


Hanover

Engineering Associates Inc



July 17, 2015

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

RE: Inspection Conducted on July 16, 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. The following items were noted during the inspection:

1. The Bethlehem Renewable Energy (BRE) plant was running. Mr. Schleyer stated that BRE personnel informed him that they had one (1) compressor off line since this morning.
2. The landfill flare was running at a flow rate of 2,220 Standard Cubic Feet per Minute (SCFM) and a temperature of 1,660 degrees Fahrenheit. The largest blower was observed to be in operation today.
3. The truck wash was in use, despite mostly dry conditions.
4. Sediment was observed along the shoulders of Applebutter Road and at the mouth of the landfill entrance driveway. No mud or blowing litter was observed along Applebutter Road, the entrance driveway, or at the landfill office. A slight, intermittent gas odor was observed at the southwest corner of the landfill. No odors were observed anywhere else on site during the inspection.
5. The southern mister line was observed to be running during the inspection, on timer operation. The northern mister line was not running during the inspection. Mr. Schleyer stated that it was still functional.
6. Wind direction during the inspection was predominantly from the north (blowing from), with an estimated speed of five to fifteen miles per hour (5-15 mph).
7. Garbage was being disposed of in Cell 4F. Wind screens were in place at the working face. The truck tipper is staged at the working face and was in use during this inspection.
8. Cover soil is still being imported. No Alternative Daily Cover material is being used.
9. Work to construct new Cell 4E Stage 3 is currently suspended, awaiting more favorable weather and site conditions.
10. Multiple areas of the western face contained deep erosion channels which were not present during the last inspection on July 8, 2015. Mr. Schleyer stated that they were caused by the rainfall that occurred on July 7, 2015, which the onsite weather station measured at 1.3 inches. No garbage was exposed in the erosion channels. A bulldozer was observed beginning to repair these areas. Mr. Schleyer stated that this work would be completed by the end of the day tomorrow.

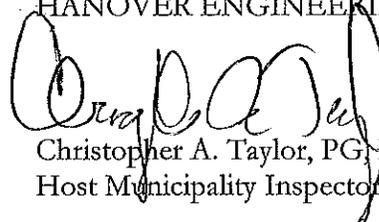
- S
- ROUTING
- Council
 - Manager *Orig*
 - Asst. Mgr.
 - Zoning
 - Finance
 - Police
 - P. Works
 - P/C
 - P & R
 - EAC
 - Engineer
 - Solicitor
 - Planner
 - Landfill
 - EMC
 - Other
- WLD*

11. Grass is now starting to grow on the areas of intermediate cover on the western face near the "shoulder" of the landfill, extending around to the southern face, that were being hydro-seeded during the last inspection. Mr. Schleyer stated that the hydroseeded area is approximately three acres (3 ac) in size.
12. The west high wall was observed. No major changes since the last inspection were evident. No slope failures and no major movement of soil or rock along the wall were observed.
13. Mr. Schleyer stated that once the garbage is brought up to final elevation in the area of Cell 4F (currently being filled), this area will receive final capping. This consists of approximately 2.5 acres.
14. I observed that the silt fence along the northern perimeter was overtopped. Mr. Schleyer stated that he would have this repaired.
15. The channel at the bottom of the southern face was previously cleaned out and reformed. Stone filter berms were added to the channel in several places. The inlet to the junction box at the downpipe was cleaned off. All of this work remains intact and shows no signs of damage from the July 7 storm event.
16. The condition of the north slope road was inspected. No further grading work has taken place since the last inspection. The recent repairs made to the road held up during the July 7 storm event, with only minor erosion observed.
17. Following the inspection, I conducted an odor patrol along Applebutter Road east of the landfill to Ringhoffer Road, and along Skyline Drive, beginning at 12:20PM. No landfill-related odors were observed during this inspection. Prior to this inspection, I conducted an odor patrol through Steel City starting at 10:25AM. No landfill-related odors or sounds were observed during this inspection.
18. I also conducted a follow-up inspection of the washout area of the Narrows. The roadbed had been cleaned of rocks and sediment. No new washout of rocks was evident from the July 7 storm event. However, a large area of mud and ponded water was observed on the roadway in the "dip" about two hundred feet (200') east of the washout location. It was also observed that the inlets along the south side of Riverside Drive and the south side of the railroad bed have not been exposed and cleaned out. It is very important that this work take place, in order to properly manage the flow of stormwater that this area receives from the slope to the south. PennDOT should be contacted and asked to conduct this work in coordination with the Norfolk Southern in conjunction with the repair work taking place in the area of undermining.

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

cat:cat/dad