

Hanover

Engineering Associates Inc

JUN 29 2015

June 26, 2015

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

RE: Inspection Conducted on June 25, 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 Priscilla deLeon, Council Liaison. The following items were noted during the inspection:

1. The Bethlehem Renewable Energy (BRE) plant was not running. Mr. Schleyer stated that the plant underwent a shutdown due to an issue with a filter. The chart at the landfill flare recorded a gradual shutdown over several hours of time starting at approximately 6:00PM on June 25, 2015.
2. The landfill flare was running at a flow rate of 3,570 Standard Cubic Feet per Minute (SCFM) and a temperature of 1,688 degrees Fahrenheit. The largest blower was observed to be in operation today. An instrument readout at the flare control panel indicated that this flow rate was a little over ninety percent (90%) of the flare's capacity.
3. The truck wash was not in use due to dry conditions.
4. Sediment was observed along the shoulders of Applebutter Road and at the mouth of the landfill entrance driveway. No mud, blowing litter, or odor was observed along Applebutter Road, the entrance driveway, or at the landfill office upon my arrival at the facility. Ms. deLeon reported earlier detecting a gas odor at the landfill office. A slight garbage odor was observed at the west end of the MSE wall. A slight "sweet" or "grape" odor was detected in the vicinity of the mister lines when they were running. This inspector observed a slight gas odor at the landfill office at the end of the inspection. No other odors were observed.
5. The southern mister line was running upon the start of the inspection, and shut down on timer operation during the inspection. The northern mister line activated during the inspection. Both lines appeared to be fully functional.
6. Wind direction during the inspection was predominantly from the north to northwest (blowing from), with an estimated speed of five to ten miles per hour (5-10 mph).
7. Garbage was being disposed of in Cell 4D Stage 2, near the interface with Cell 4E. The working face was not inspected, and number of trucks waiting and off-loading was not observed.
8. Cover soil is still being imported. No Alternative Daily Cover material is being used.

S
ROUTING

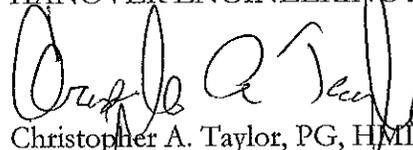
- Council
- Manager *Orig*
- Asst. Mgr.
- Zoning
- Finance
- Police
- P. Works
- P/C
- P & R
- EAC
- Engineer
- Solicitor
- Planner
- Landfill
- EMC
- Other *web*

9. Work to construct new Cell 4E Stage 3 was currently taking place, involving the placement of fill soil for the sub base of the cell. Soil to be used for the construction of this cell is being imported.
10. A large portion of the western face has had soil added and graded to remove erosion channels. Mr. Schleyer states that this work will continue until the entire face has been dressed up. This inspector observed this work taking place.
11. 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. The inlet of the stormwater pipe at the bottom of the high wall has been cleaned out.
12. The channel at the bottom of the south slope has been cleaned out and reformed. Stone filter berms have been added to the channel in several places. The inlet to the junction box at the downpipe has been cleaned off. However, the box itself is still full of sediment. Mr. Schleyer reports that Mobile Dredge is scheduled to clean out the junction box and outgoing stormwater pipe.
13. I confirmed that there is still no vegetation or other means of stabilization on the areas of intermediate cover along the shoulder and southern face of the landfill. Mr. Schleyer previously stated that IESI is evaluating different methods of stabilization for these areas, including vegetation, Posi-Shell, and temporary capping, and is committed to proceeding with this work.
14. The condition of the north slope road was inspected. A large amount of erosion was observed along the portion of the road that runs downhill from the maintenance building. An erosion channel up to three feet (3') deep was observed in the road in this area. Further downhill, a large amount of rocks were observed strewn across the western fork of the road. Mr. Schleyer called his Operations Manager, Mike Sheldon, to this area and conferred with him on the necessary repair work.
15. This inspector conducted an odor patrol through Steel City starting at 9:35AM (in conjunction with other work being conducted in the area). No landfill-related odors or sounds were observed during this inspection. This inspector conducted an odor patrol along Skyline Drive (in accordance with the new procedure), beginning at 12:50PM. No landfill-related odors 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

cat:cat/dad

S:\Projects\Municipal\LSaucon\Ivp\LS90-07-Bethi.Landfill\Docs\IESI landfill report of June 25, 2015 insp.doc