

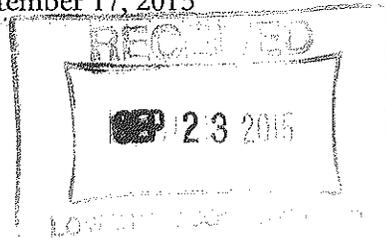
Hanover

Engineering Associates Inc

September 21, 2015

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

RE: Inspection Conducted September 17, 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, District Manager for IESI, Priscilla deLeon, Council Liaison, and Donna Loudér, Township Citizen Representative. The following items were noted during the inspection:

1. The Bethlehem Renewable Energy (BRE) plant was not running. Mr. Schleyer indicated BRE went down September 13, 2015 for unknown reasons.
2. The landfill flare was operating at a flow rate of 3,450 SCFM (approximately 86% of permit limitation) and a temperature of 1,661 degrees Fahrenheit. The largest blower was in operation.
3. The truck wash was not in use due to dry conditions.
4. No blowing litter or mud was observed along Applebutter Road or at the entrance driveway to the landfill. A consistent, mild grape odor was detected while approaching the area of the landfill along Applebutter Road.
5. Landfill related odors were not observed in the parking area at the landfill office. Slight to moderate, consistent garbage and gas-type odors were observed near the working face. Additionally, a slight intermittent gas odor was detected while traveling along the southern access road toward the west high wall. No other odors were observed throughout the inspection.
6. The northern mister line was not operating during the inspection. Wind direction was primarily north northwest (blowing from) at an estimated speed of 2-5 mph. The southern mister line was operating on a timer controlled relay.
7. No blowing litter was observed throughout the inspection. Windscreens were in place near the working face.
8. Water trucks were not observed in operation during the inspection. While observing trucks exiting the area of new Cell 4E Stage 3 and the area of construction, I suggested that particular route be sprayed for dust suppression. Mr. Schleyer agreed and stated this would be done soon.
9. Garbage was being disposed in Cell 4B at the time of inspection. Three (3) trucks were dumping and none were waiting. The tipper was staged near the working face but was not in use.
10. Cover soil is still being imported and stockpiled on site. Per Mr. Schleyer, no Alternative Daily Cover material is being used.
11. Work to construct new Cell 4E Stage 3 is ongoing. Significant progress has been made since the September 2, 2015 HMI inspection as favorable weather conditions

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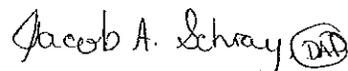
- Council
- Manager
- Asst. Mgr.
- Zoning
- Finance
- Police
- P. Works
- P/C
- P & R
- EAC
- Engineer
- Solicitor
- Planner
- Landfill
- EMC
- Other *web*

- continue. Mr. Schleyer expects the installation of the cell's structural fill to be complete within ten (10) days of this inspection.
12. The approximate 2.8 acre area (previously referred to as approximately 2.5 acres) of final capping south and west of the maintenance building has not yet begun. Per Mr. Schleyer, this work will commence once installation of the structural fill for new Cell 4E Stage 3 is complete. Mr. Schleyer's goal is to begin the final capping project prior to the end of September.
 13. Vegetation continues to struggle to provide stabilization in the areas of intermediate cover near the "shoulder" where the southern and western faces meet. There is slight change in the vegetation in this area and stabilization appears to be marginally improved. A Minor Permit Modification for temporary capping in this area was approved by PA DEP in a letter dated September 16, 2015 from Roger Bellas, Environmental Program Manager.
 14. The west high wall was observed. No major changes were evident. No slope failures and no major movement of soil or rock along the wall were observed. No additional work has been performed to clean out the channel at the bottom of the west high wall.
 15. No further work has been performed to clean silt and sediment from the stormwater channel adjacent to the southern access road. As previously mentioned, the inlet cage near Pump Station 3 has been cleaned out and the inlet now appears functional.
 16. Work to clean out built-up silt and sediment from stormwater basin 6 is not yet complete.
 17. The north slope road was inspected during the site tour and found to have been recently regraded; 100% of the road was passable via four-wheel drive vehicle. Mr. Schleyer stated the Third Quarter Groundwater Sampling Event is scheduled to begin September 21, 2015.
 18. An odor patrol along Riverside Drive and through Steel City was conducted after the inspection. No landfill related odors were observed during the patrol of Steel City or at the entrance to the Freemansburg Motorcycle Hill Climb. Faint, consistent construction noises (diesel engines, back-up alarms, and tri axle tailgate slap) coming from the landfill could be heard while parked at the entrance to the Hill Climb.

If you have any comments or questions regarding any of the above, or find that you need additional information, please do not hesitate to contact me immediately.

Respectfully,

HANOVER ENGINEERING ASSOCIATES, INC.



Jacob A. Schray
Host Municipality Inspector

jas:jas/dad

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