

Hanover

Engineering Associates Inc

March 7, 2014

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

RE: Inspection Conducted on March 6, 2014
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. The following items were noted during the inspection:

1. The Bethlehem Renewable Energy (BRE) plant was running.
2. The landfill flare was not running. Mr. Schleyer stated that it had been tripped off line due to an earlier shutdown of the BRE plant, and that it would be restarted soon.
3. The truck wash was not in use.
4. No mud, odors, or blowing litter were observed along Applebutter Road, the entrance driveway, or at the landfill office. Some dried mud was observed on an internal access road. Mr. Schleyer stated that he will have the sweeper clean it. A slight garbage odor was detected at the water tower at 1:57PM; directly west of the working face. At this time, the wind was blowing from the east.
5. Some litter was observed on the surface of the landfill, revealed by the melting snow. Pickers were observed working to remove it during this inspection. No litter was observed in the trees within the perimeter fence. Windscreens were in place at the working face. Wind direction varied during the inspection between south and east (blowing from), with an estimated speed of five to fifteen miles per hour (5-15 mph).
6. Garbage was being disposed of in Cell 4D. One (1) truck was off-loading, and one (1) truck was waiting to off-load. Numerous gulls and crows were observed at the working face.
7. Soil for daily cover material was stockpiled near the working face. All cover soil currently being used is being imported. No excavation work was taking place at the north end of Cell 4E to generate cover material. Mr. Schleyer stated that site conditions make it difficult to truck soil from the north end of Cell 4E to the working face (up a slippery haul road).
8. In the area of new final capping on the south face, the ground is now partially exposed by melting snow. The ground surface is slightly rilled. Mr. Schleyer states that he will have it "tracked over" and hydroseeded when conditions permit.
9. The work to bring newly constructed Cell 4E Stage 2 online, by connecting it to adjacent Cell 4E Stage 1, is continuing and is nearly complete.
10. According to Mr. Schleyer, the gas header line break that was reported during the inspection conducted on February 20, 2014, was repaired on February 25, 2014, with no odor complaints received by the landfill office on the day of the repair.

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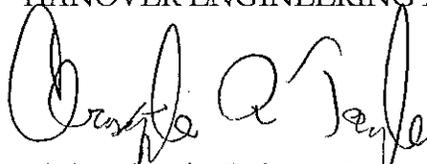
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- Council
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 - Zoning
 - Finance
 - Police
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 - EAC
 - Engineer
 - Solicitor
 - Planner
 - Landfill
 - EMC
 - Other Website

11. Some minor sloughing of soil from the face of the west high wall was observed since the last inspection. No major slope failures along the wall were observed. Mr. Schleyer stated that he knows that he needs to clean out the stormwater rip-rap channel at the bottom of the wall.
12. No earth moving is taking place on the Fox property. Mr. Taylor stated that he had received the letter notification that IESI had withdrawn their Fox Soil Borrow Area permit application, and asked Mr. Schleyer what he planned to use as a source of cover material. Mr. Schleyer responded that they are looking into the use of Alternative Daily Cover (ADC), which has already been applied for to the Department of Environmental Protection (DEP). Mr. Taylor asked if this would provide a steady-enough stream of material for cover material. Mr. Schleyer responded yes. Mr. Taylor asked if they would still need to import soil. Mr. Schleyer responded yes, to blend with the ADC materials.
13. No areas of seeps were observed, and none were reported by Mr. Schleyer.
14. The north slope road was inaccessible due to snow and ice. Mr. Schleyer stated that he will have it cleared before the next scheduled round of well sampling.
15. Mr. Schleyer stated that no odor complaints were formally lodged at the landfill office since the February 20, 2014 committee meeting. However, he stated that he was made aware of a complaint or complaints directed to the DEP by Mr. Wally Govern, and that he gave Mr. Govern the information requested for Mr. Govern's investigation.
16. Mr. Schleyer stated that written notice just went out that IESI is planning to install additional gas wells. The well drilling rig was observed staged (not working) on site.
17. Mr. Schleyer stated that the proposed trailer tipper had to be incorporated in Form 14 per instructions from the DEP, since it's a new way to unload garbage, so they elected to add it to the Nuisance Minimization and Control Plan under the category of "Litter". Mr. Schleyer stated that they will bring the tipper on site to use in Cell 4E Stage 2 once the "fluff layer" of garbage is in place in that cell.
18. A patrol of Skyline Drive was conducted (due to the easterly wind direction), beginning at approximately 3:10PM. No landfill-related odors or sounds were observed. A patrol of Steel City was conducted, beginning at approximately 3:20PM. No landfill-related odors or sounds were observed.

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