

# 50 YEARS Hanover Engineering

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October 26, 2022



Mr. Mark Hudson  
Township Manager  
Lower Saucon Township  
3700 Old Philadelphia Pike  
Bethlehem, PA 18015

RE: Inspection Conducted on October 20, 2022  
Bethlehem Landfill  
Hanover Project LS90-7

Dear Mr. Hudson:

The purpose of this letter is to report the results of the above-referenced inspection. The inspection was conducted by the undersigned along with Astor Lawson, District Manager, Amy Faulch, DEP and Matthew Vipond, DEP, at approximately 10:00 a.m. The DEP inspection was random and had not been coordinated by Bethlehem Landfill or Hanover Engineering. The following items were noted during the inspection:

1. Weather conditions at the office were sunny, temperature around forty-eight (48) degrees Fahrenheit, light wind out of the southwest and low humidity.
2. No litter was observed along Applebutter Road from the WWTP to Ringhoffer Road and from Ringhoffer Road east to approximately the eastern side of the Krasnansky property along both sides of Applebutter Road. The area around the office, scale house and truck wash were free of litter.
3. There was a slight WWTP odor in the immediate area around the WWTP. No odors were detected east of the WWTP to I-78 along Applebutter Road. There was a very slight mud film on the westbound lane of Applebutter Road from the BL entrance west approximately 100 yards. There was a slight gas odor detected along the northwest portion of the landfill access road. DEP was planning to perform gas monitoring after their site investigation northwest corner will be checked for gas emissions.
4. The flare was in operation and appeared to be running normally with no visible emissions observed. Temperature was 1615 degrees Fahrenheit and flowing at 2210 SCFM. The lower than normal SCFM reading appeared that there could have been a condensate blockage in one of the vacuum lines to the flare or the ongoing connection to the Tennessee Line. BL will continue to monitor the flows.
5. The truck wash was in service. The new mud grate located southwest of the Blue Leachate Storage Tank is in place and functioning as intended.
6. The access road from the office and across the top of the landfill was in good condition and dust free. Steeper portions of the access road had some signs of erosion due to the rainstorms last week and they will be addressed.
7. NAPA is on site to continue the capping project. The HDPE capping material portion of the project has been completed and the cover soil is now being placed over cell 3-D's southern slope (see Photos 1, 2 and 3 from the south side of the self-storage units along Applebutter and the intersection of Applebutter Road and Ringhoffer Road. Photos 4, 5 and 6 are from access road immediately south of the capping).

## ROUTING

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

8. The current working face is in the sump area of cell SE-2AB Phase II (see Photos 7 and 8). The trailer tipper, walking floor trailers, and garbage trucks are offloading waste. BL continues to take part in a trial to utilize a new mister system that is attached to the truck tipper. The new mister is being activated when the tipper starts to raise, and the waste starts to empty out of the trailer. The mister is spraying the waste with an odor neutralizer and a masking scent. The mister is also minimizing the dust during the offloading process.
9. Daily cover material in excess of 5 days of supply is stockpiled at the top of the landfill. Tarps are being utilized as needed and the conditions permit. BL will be testing out a foam that will act as a daily cover given acceptable weather conditions. DEP has been notified and a minor permit modification is being submitted for the foam use as daily cover.
10. One (1) litter picker was observed during this inspection. The tall permanent litter fencing along the southeast corner of cell SE-2AB was free of litter. The portable litter fences are being utilized.
11. The customer convenience area has been relocated back to the original location south of cell SE-2AB. Offloading of the waste at this location is more convenient to the customers.
12. The north slope perimeter road was inspected and in passable condition. North slope perimeter fencing that was damaged by falling trees was being repaired by an outside fence contractor.
13. The cell SE2-AB mister was not being utilized.
14. The west high wall was observed to be stable.
15. We did not enter the scale house to inspect trucking slips.
16. Building construction is ongoing for the new gas to Energy Plant east of the flair. Construction of the facilities to connect to the receiving Tennessee Gas Transmission Line are ongoing. The BRE gas to electric plant west of the office is scheduled for demolition in November.
17. Following the inspection, I conducted a driving patrol along Applebutter Road, Skyline Drive, through Steel City and along Riverside Drive and no landfill odors were detected.

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



Scott J. Brown, HMI  
Host Municipality Inspection

sjb:sas-cg

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cc: Ms. Stacy Werkheiser, Administrative Assistant, Lower Saucon Township (By email)  
Ms. Carol Schneider, Administrative Assistant, Lower Saucon Township (By email)  
Ms. Rachelle Markovic (By email)

Photo 1



Photo 2

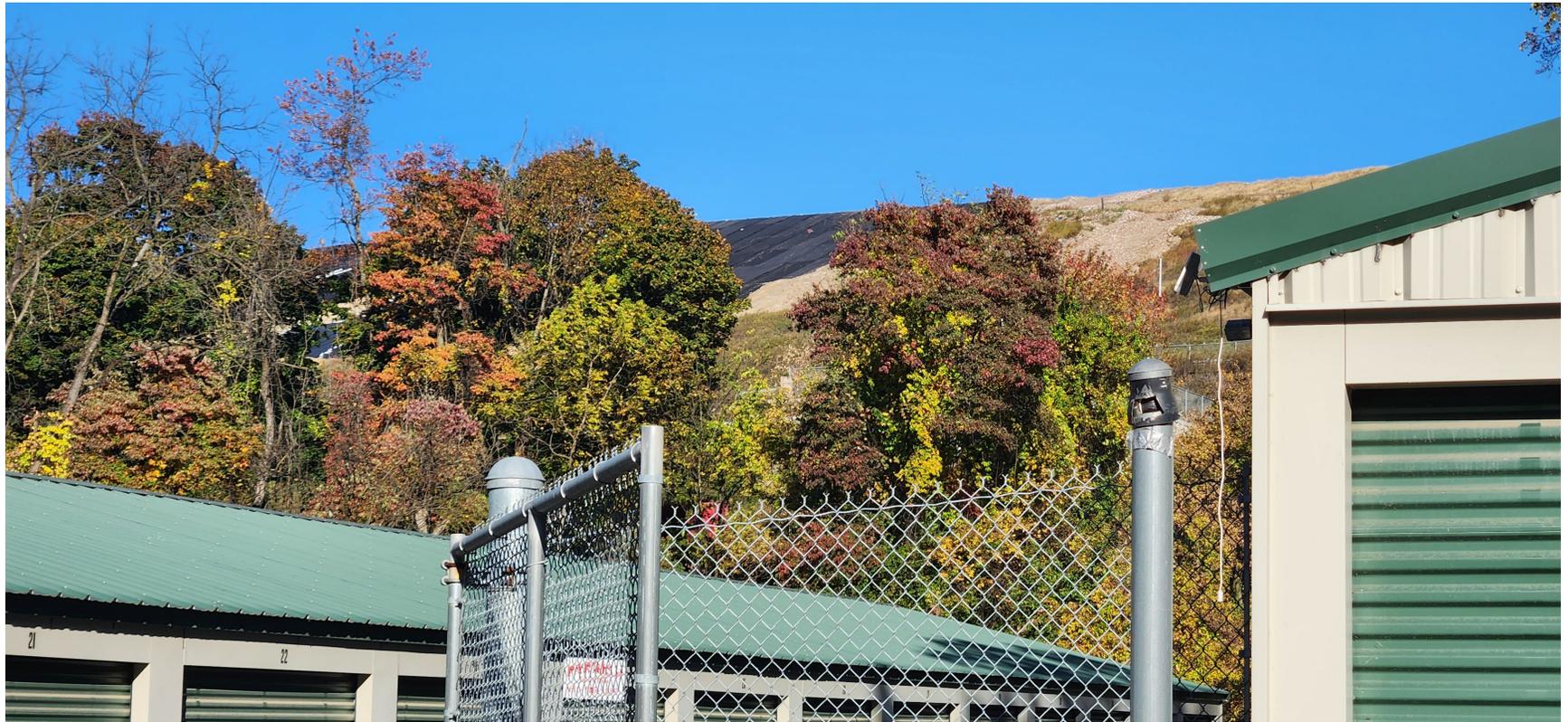


Photo 3

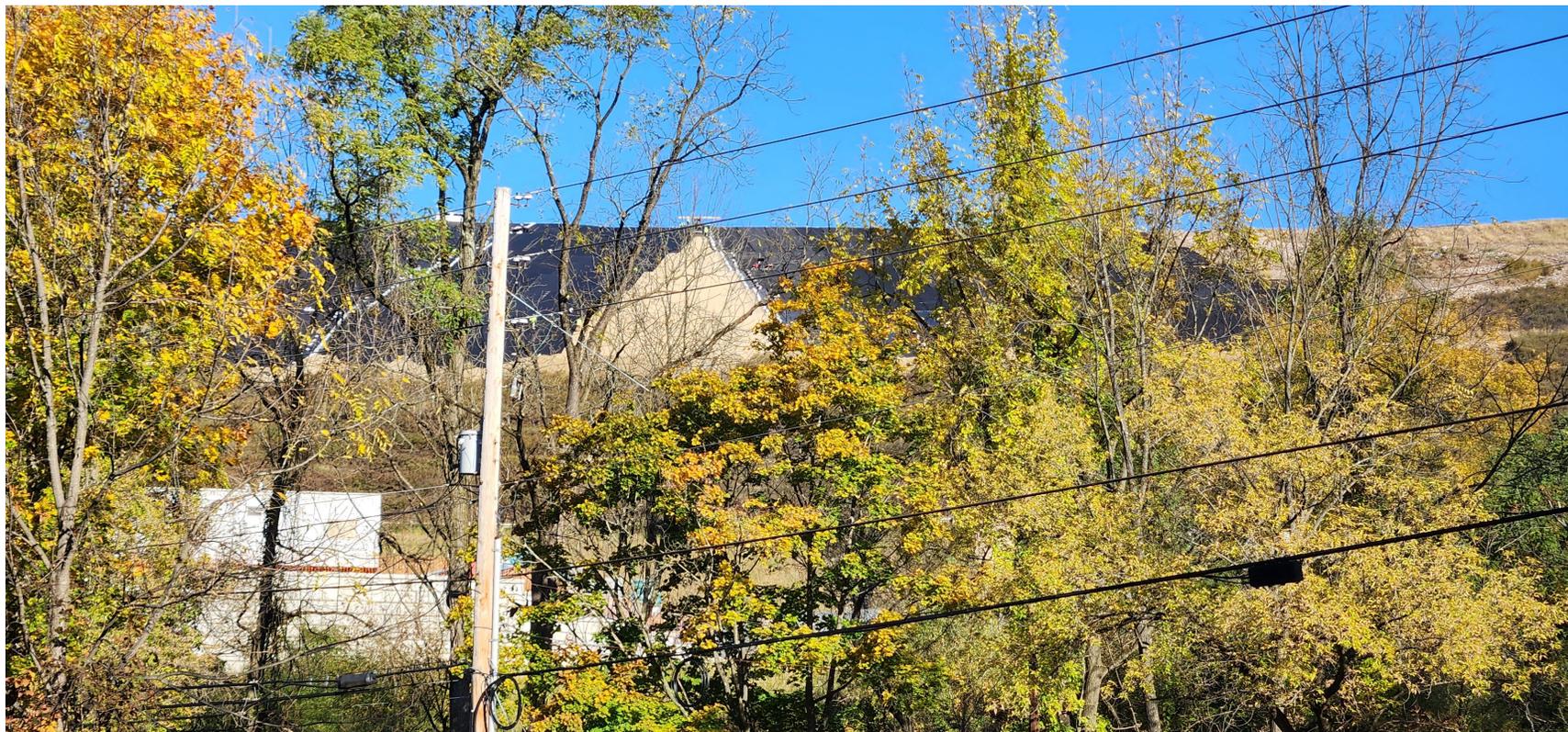


Photo 4



Photo 5



Photo 6



Photo 7



Photo 8

