

Arbor Hills Landfill

Gas Collection System Update, November 1, 2016

The gas collection system at Arbor Hills is continually operated and maintained, but every year work is also done to expand the system and/or to replace components as refuse is placed and the landfill grows. The information below highlights some gas collection system work performed so far in 2016.

Arbor Hills West New/Replacement LFG Extraction Wells [Cell 4 Area]

- In January leachate collection cleanout risers were connected to the active gas collection system to provide immediate gas collection in Cell 4 (a new collection area).
- 25 wells were drilled and connected to the collection system. After required approvals, work began this spring and was completed in July.
- 6 caisson extraction wells were installed in Cell 4C in July.

Arbor Hills West Replacement LFG Extraction Wells [other than Cell 4]

- 35 wells were drilled and connected into the collection system.
- 27 pumps and accompanying air and force main piping were installed to aid in leachate collection.

Arbor Hills West New LFG Extraction Wells [other than Cell 4]

- 34 wells were drilled and connected into the collection system. As active waste filling operations move, 6 additional wells are projected to be connected.

Arbor Hills East Replacement LFG Extraction Wells [closed area of landfill]

- 10 wells were redrilled and connected into the collection system and 1 Leachate extraction well was connected to the active gas collection system.
- Perimeter extraction: 3 gas wells were redrilled, 1 new well was installed and 1 horizontal collector was installed along the east perimeter road in August.
- 15 pumps and accompanying air and force main piping were installed to aid in liquids management.

Additional 2016 Work Completed and In Progress

- In February a new air compressor was installed to service the pneumatic pumps located throughout the Landfill.
- In March a 2,000 scfm candlestick flare was installed to further supplement flare capacity.

- In May BFI retained a third party to conduct odor patrols on and off site. Findings are shared with MDEQ when odor complaints are received and are used to help determine odor sources and causes.
- A new 450K gallon leachate tank is currently under construction to accommodate future leachate needs.
- Tuning of all wells, particular attention paid to newly drilled and re-drilled wells

**Plans are in process for continuing gas extraction system work in Q4 2016*