



## **Fenimore Landfill Update**

Wednesday, January 29, 2014

### **Landfill Site Work**

The custom treatment system is operating continually and all the gas collected from the landfill is being directed to the custom system. DEP continues to monitor the emissions from the system to ensure it is operating safely.

Moving and reconnection of the second oxidizer to the custom treatment system has been completed. The second unit is now being tested.

The pressure testing of the water line replacing the temporary water supply is being postponed until February due to the weather.

### **Air Monitoring**

#### SO<sub>2</sub>

Early this morning (between 1 a.m. and 3 a.m.) three SO<sub>2</sub> monitors at the Fenimore landfill recorded levels up to 25 ppb. These levels are below the notification level (50 ppb) so no action was taken at the site. In addition, the levels did not violate the air quality standard of 75 ppb average over one hour and were not the result of gas emissions from the Fenimore landfill.

Shortly before these levels were observed at the Fenimore landfill SO<sub>2</sub> monitors, similar levels were observed at the state air monitoring station in Chester (about 10 miles southwest of Roxbury). Chester is not influenced by the Fenimore landfill. To have similar levels at that distance means the source of the SO<sub>2</sub> is not in the immediate vicinity. Based on back trajectory analysis, DEP has concluded that the likely source of the SO<sub>2</sub> was a power plant in Pennsylvania.

#### H<sub>2</sub>S "Yellow Alert"

On Tuesday, January 28, Roxbury Township schools received yellow alerts as a result of readings of H<sub>2</sub>S above 10 ppb from ROX 9, 10 and 12. In reviewing wind direction and data from these monitors, it was determined that they were not reacting to gas from the landfill.

DEP believes that the instrumentation on these monitors may be experiencing "drift;" in other words, the monitors are not correctly calibrated or have other interference and are not providing true readings that are related to the site. DEP is working with Emilicott on this situation.

## H2S spike

Spikes of H2S occurred on Tuesday, December 31, and on Tuesday, January 7<sup>th</sup>, when ROX 11 had a spike above 100 ppb. A review of wind direction on these two dates showed that the wind was not blowing downwind from the site in the direction of the monitor. Therefore, the spikes were not caused by gas from the landfill. Emilicott was contacted to determine if the monitor was malfunctioning. It was not. It was replaced anyway as a precaution. Since it was replaced, the spikes have not occurred.

In January 27<sup>th</sup>'s daily update, DEP provided information on spikes on ROX 8. On Friday night, January 24<sup>th</sup>, the H2S monitor for ROX 8 began sending out abnormal high spikes and readings of H2S concentrations. DEP immediately investigated. An assessment of the prevailing and local winds put the monitor in the upwind position of the landfill and readings therefore could not be related to the landfill. Emilicott was contacted and they replaced the instrumentation at ROX 8 on Sunday morning, January 26. Since then, ROX 8 has been providing normal readings.

The nine H2S and three SO2 air monitoring stations continue to operate 24/7. To date, all SO2 levels have been well within air quality standards. Live data for both the H2S and SO2 monitors is available at <http://54.235.249.118/guests/greenlight.get.live.data.2a.php>.

## **A Look Ahead**

Limited truck traffic is needed to supply materials to the site. In addition, wastewater from the scrubbers will be trucked off the site periodically. For all necessary truck traffic, DEP will continue to work with local officials to ensure that safe traffic controls are in place utilizing the truck route.

## **Fenimore Call Center**

DEP has established a call center to assist with resident questions. If you wish to file an odor complaint, call 1-877-WARN-DEP, 24/7. If you wish to ask questions without filing an odor complaint, call DEP at (609) 341-2875 during regular business hours (9:00 a.m. – 5:00 p.m., Monday through Friday). On weekends and evenings and holidays, callers can leave a message and their calls will be returned. Questions may also be emailed to [RoxburyTwpFenimoreQuestions@dep.state.nj.us](mailto:RoxburyTwpFenimoreQuestions@dep.state.nj.us).

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