

The Illinois EPA Issues a No Further Remediation (NFR) Letter for the Lockformer Site in Lisle, Illinois

In December, 2000 the Illinois EPA identified approximately 3,000 private residences that were potentially affected by a 3-mile groundwater plume of chlorinated solvents from the Lockformer facility in Lisle, IL. After 15 years of investigation, remediation, and settlement of lawsuits, the Illinois EPA issued a No Further Remediation letter on February 19, 2016, meaning that the site no longer poses a threat to human health or the environment and the property can be used again beneficially without the fear of additional Illinois EPA enforcement actions.



In 2001, Ron St. John, President of St. John - Mittelhauser & Associates (SMA) was identified as the Project Coordinator for both the U.S. EPA 106 Order, and the Illinois EPA Consent Order that governed the investigation and remediation work at Lockformer. Investigation activities included defining the extent of soil and groundwater contamination related to releases on the Lockformer site; and identifying other sources of chlorinated solvent contamination in the Silurian Dolomite aquifer in the general area.

Remediation at the Lockformer site was performed through use of an Electrical Resistive Heating (ERH) system and a Soil Vapor Extraction (SVE) system. The ERH system remediated 34,000 yds³ of unsaturated, silty clay, glacial till occurring in the upper 30 feet at the site. A lower sand and gravel unit occurring from 30 to approximately 55 feet in depth was remediated through use of a 6.5-acre SVE system. Another 5-acre of sand at the south end of the site was also remediated with SVE. As a result, U.S. EPA has concluded their involvement in the project, and issued a letter of completion for the 106 Order.

Following completion of the remediation activities, SMA demonstrated that concentrations of trichloroethene remaining in the soil will not result in impacts at the downgradient property boundary above the Illinois EPA-approved site-specific groundwater remediation objectives that have been developed for the Site. Through the use of institutional controls and engineered barriers, Lockformer was able to demonstrate that the Site no longer poses a threat to human health or the environment and was issued a No Further Remediation letter for the property February 19, 2016.

For further information about the Lockformer project, please contact Ron St. John at rons@st-ma.com.