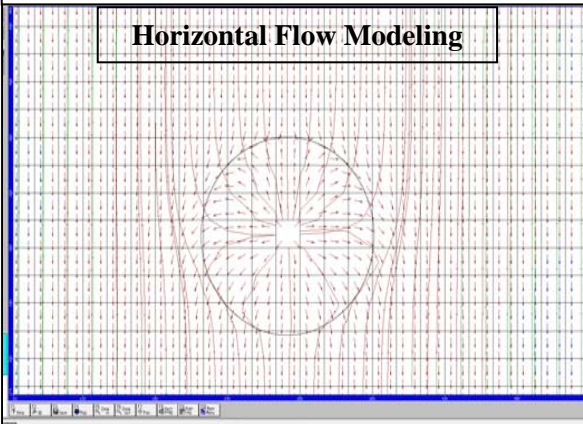


# CHLORINATED SOLVENT REMEDIATION - FORMER PRINTING FACILITY, MAJOR CITY, STATE OF NEW JERSEY

Accelerated Remediation Technologies, Inc. (ART) treatment technologies were selected to remedy soil and groundwater impacted with chlorinated solvents at a former major printing facility in New Jersey.

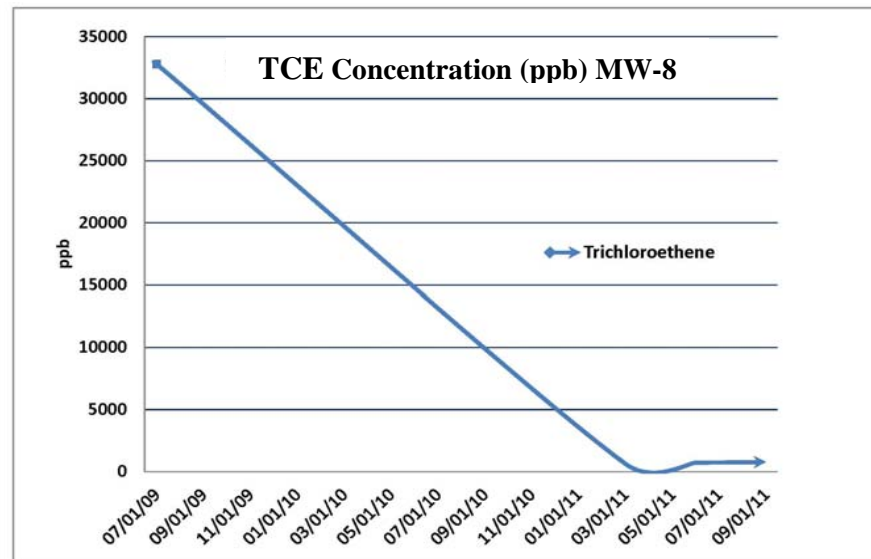
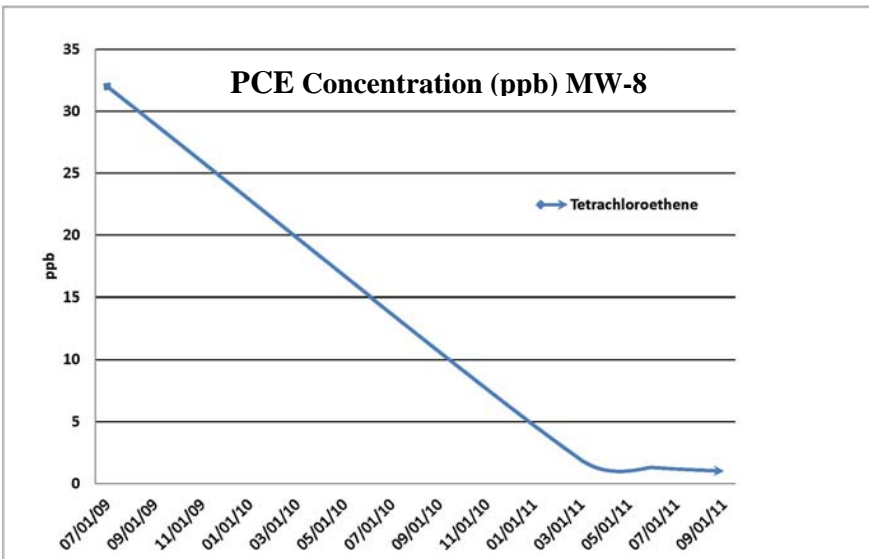
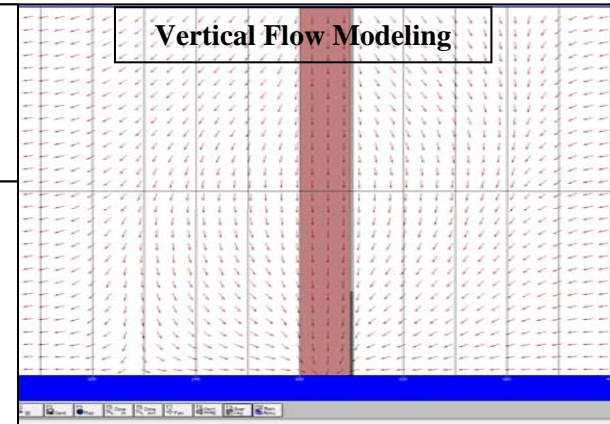
**Site Description:** The Subsurface at the site consists of sandy soils with intermittent clay lenses. Depth to groundwater is approximately 40 feet below grade surface. The hydraulic conductivity is estimated to be greater than  $10^{-5}$  cm/sec. The site consists of an approximate 1 million square foot building; the complete well field is within the interior of the building footprint. The site building was undergoing a construction overhaul for re-use during system installation and operations.

**Site Modeling:** Groundwater modeling was performed during the design phase to estimate the radius of influence (ROI) based on various scenarios and pump rates. It was determined that the ROI is likely to exceed a 100 feet.



To achieve project objectives, ART installed a total of eight remedial wells. The ART Technology combines vapor extraction, in-well air sparging, in-well air stripping, bioremediation, flushing and other processes applied synergistically to treat contaminants.

**Summary:** *The ART System commenced full-scale operation in December 2010. Within one year, source area concentrations were reduced in nearby monitoring wells up to 90 % while decreasing the risk of vapor intrusion. Sampling and data collection performed by site consultant.*



For additional information, please contact:

Mohamed M. Odah Ph.D, P.E,  
Accelerated Remediation Technologies, Inc.  
(913) 438-4384 ext. 102, [modah@artinwell.com](mailto:modah@artinwell.com)

Kenneth J. Luperi, PG, LSRP  
The ELM Group, Inc  
Tel 609.683.4848 x 232 , [KLuperi@elminc.com](mailto:KLuperi@elminc.com)