

Former Dry Cleaners Site Augusta, GA

The above referenced site was a former dry cleaner with a history of chlorinated solvent spills, particularly tetrachloroethylene (PCE). A shallow excavation was previously performed in the source area. In addition, a pump and treat system was installed and operated for a number of years to provide hydraulic containment.

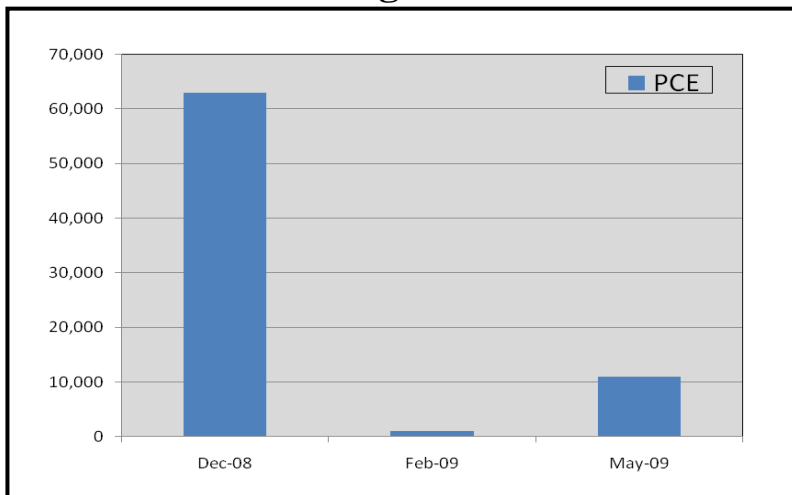
The treatment goals were the reduction of the dissolved phase PCE contamination in the groundwater and impacted soils in the “smear zone.” The PCE concentrations detected were 63,000 ppb.

The soils at the site consisted of silty-sands to sandy clays from the Coastal Plain sedimentation. Groundwater depth in this region ranged from 19 to 20 feet below ground surface (bgs).

In January 2009, Exo Tech employed an In-Situ Chemical Oxidation (ISCO) remedial approach to reduce the chlorinated solvent constituents of concern to the state cleanup target levels. Approximately 14,960 pounds of activated sodium persulfate (Klozur®) was injected into 34 PVC injection wells in two separate ISCO events.

Confirmatory groundwater sampling analysis (by the consultant) indicated an 83% overall PCE reduction with overall concentrations being reduced by approximately two orders of magnitude. Based on these findings, a limited source area ISCO treatment has been proposed to reach natural attenuation cleanup target standards.

Monitoring Well IW-28



Exo Tech Injection Truck