



PERSULFATE & PEROXIDE BENCH SCALE STUDY

DRY CLEANING FACILITY INDIANAPOLIS, INDIANA

Client: Private Consulting Firm
Contaminants: PCE and Associated Daughter Products
Impacted Matrix: Soil and Ground Water
Scope of Work: Chemical Oxidation Bench Scale Study.
Oxidants: Persulfates and Peroxides

Project Specifics: SE SCIENCES was contracted to design and implement a chemical oxidation bench scale study on soil and ground water samples collected from the interpreted source area of impact.

A chemical oxidation bench scale study is conducted as a prelude to on-site treatability activities to determine the oxidant and catalyst mixture best suited to site conditions.

Contaminant destruction ratios and naturally occurring geochemical interference factors were measured and evaluated utilizing (2) batch controls and (3) batch reactors (differing oxidant/ catalyst mixtures).

