



# FORMER LAGOON

Clinton County, NY

## Contaminants:

TCA and DCA

## Treatment:

ISCO injection using alkaline activated sodium persulfate

## Site Status:

Active, Pump and Treat System

- This site is located in up-state New York and contains two former lagoons historically utilized for solvent disposal. Limited soil excavation was performed in the source area followed by installation of a groundwater pump-and-treat system. Contamination was detected in alluvial sediment and a fractured sandstone formation at shallow depths (15-20 feet).
- An In-situ Chemical Oxidation (ISCO) treatment was requested to lower dissolved VOCs in the source area. Baseline groundwater concentrations ranged from 1,000-5,000  $\mu\text{g/L}$  total chlorinated VOCs. No NAPL was present.
- An injection treatment was designed consisting of the installation of five injection wells to 17-22 feet with treatment using an 11% solution of alkaline activated persulfate. Geochemical parameters were measured during and post injection to evaluate oxidant movement and treatment. Readings indicated significant oxidant impact in the target area around Lagoon Well 1 (see graph below).
- Confirmatory sampling results are pending.

