



Geo-Cleanse® Remediation Summary Pinellas Park, Florida Former Manufacturing Facility Chlorinated Volatile Organics (TCE, PCE)

Site Background Characteristics:

This site is a former manufacturing facility located in Pinellas Park, Florida. The site is impacted with chlorinated volatile organic compounds (TCE, PCE) caused by surficial discharges from operations conducted at the facility. Free-phase DNAPL is also present at the site. The treatment was conducted both inside and outside the building. The site geology is characterized as varying degrees of silts and sands at the targeted treatment depths. The goal of the treatment program was to demonstrate significant reductions of TCE within the source areas.

Treatment Program Design:

The treatment area was divided into 4 separate source areas both inside and outside the building. A total of 60 injectors and 30 vent wells were installed. Each source area contained between 10 and 18 injectors. The injectors were installed at two intervals with 30 shallow injectors screened from 10 to 15 ft bgs and 30 deep injectors screened from 16 to 26 ft bgs. Vent wells were installed and screened from 3 to 6 ft bgs.

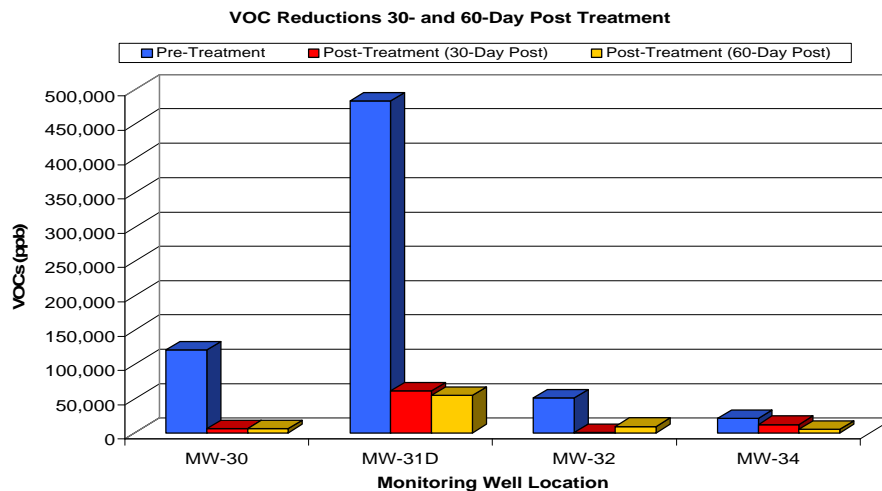
Remediation Operations:

Approximately 6,980 gallons of 50% hydrogen peroxide were injected at concentrations between 5 and 10% into the 60 injectors along with a corresponding quantity of catalyst. The treatment program was completed over a 13-day period between September 9 and September 30, 2004.

Treatment Results:

Overall treatment goals were met at this site. Significant reductions were experienced, with the greatest reductions realized within the source area containing the highest concentrations of chlorinated volatile organics. CVOC's in groundwater were reduced by 89% in MW-31D, the location with the highest amount of contamination, from 483,600 µg/L to 54,300 µg/L when compared to the 60-day post-treatment groundwater sampling event.

Summary:



This summary sheet is intended to provide a general overview of the referenced site. For more detailed information, please contact us at 908-206-1250.