

ERH of Chlorinated Solvents in Groundwater

Anderlecht, Belgium

Guaranteed Fixed Price Remediation

- Goal: Reduce PCE, TCE, cis-DCE and VC to 5% of solubility values; remove DNAPL

Site Characteristics

- Treatment volume: 12.200 m³
- Heterogeneous clay followed by coarse sand
- Combined sheet pile and bored electrodes
- Robust vapor treatment system

Operations

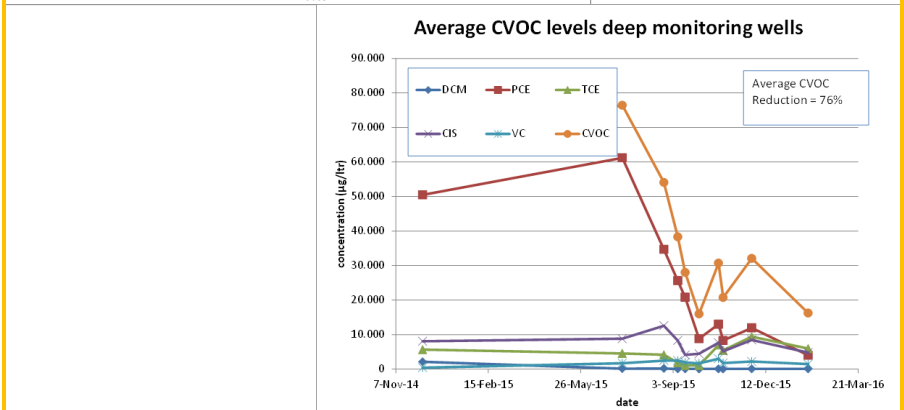
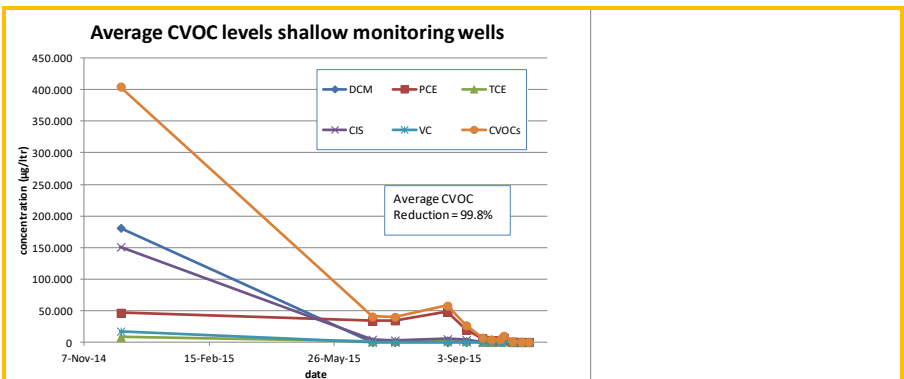
- Total run time: 215 days
- Average temperature: 99° C

Results

- All but one deep (added) well met <5% PCE solubility
- 99.8% reduction in shallow wells; 78% reduction in deep wells (due to undetected high gw flow)
- 27 tons CVOC DNAPL removed



Equipment Compound and Electrode Layout



Ground Water Results by Concentration in Shallow/Deep Wells