Electrical Resistance Heating under a Manufacturing Facility

Chalon, France

Guaranteed Fixed Price Remediation

- Goal: 5 mg/kg PCE in soil (average), with removal of DNAPL source area

Site Characteristics

- Treatment volume: 21.272 m^3
- Silty clay with embedded sand lenses overlaying dense clay
- DNAPL observed during source zone drilling
- Electrode field installed inside/outside a manufacturing facility with a basement

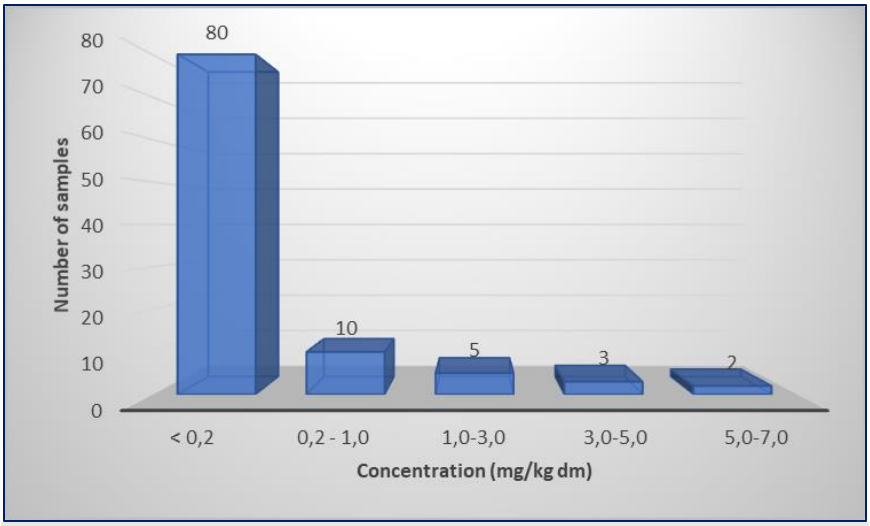
Operations

- Total run time: 341 days
- 6,009,105 kWh applied to subsurface
- Avg temp: 97.4° C

Results

- 0.56 mg/kg PCE (avg)
- 99.98% reduction from baseline concentrations
- 35.383 kg CVOC removed

Basement Area Electrodes



Soil Sample Results Distribution by Concentration