ERH Remediation at Complex Superfund Site

Asheville, North Carolina

Remediation Goals

- 95% reduction of TCE in soil, groundwater and LNAPL

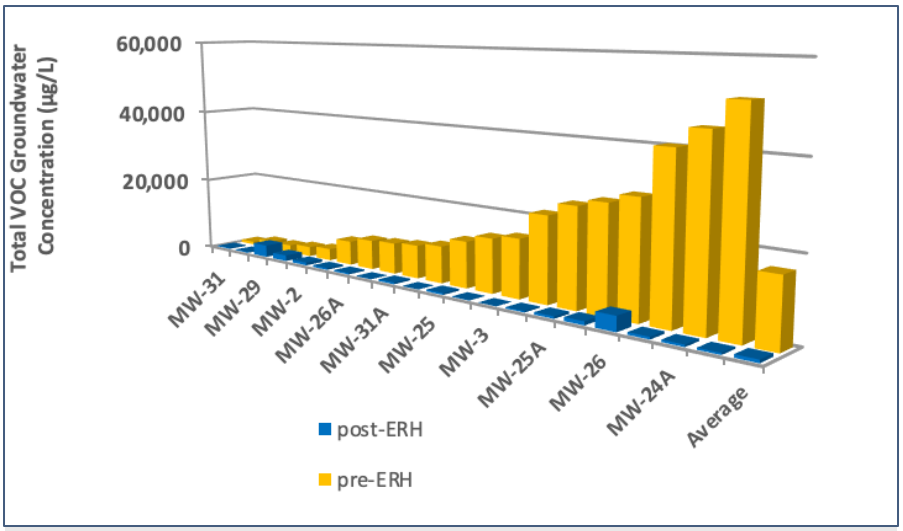
Site Characteristics

- Treatment area: 1.2 acres
- Treatment volume: 51,600 yd^3
- Variable electrode depth and thickness based on drilling refusal at bedrock
- Max TCE groundwater concentration of 51,300 µg/L
- Max TCE soil concentration of 714,000 µg/kg
- Extensive weathered LNAPL

Site Photo

Operations

- Operational time: 159 days
- Average subsurface temperature: 104 ° C
- Vapor treatment by regenerative thermal oxidizer
- Ambient air monitoring (no exceedances)



Average Pre and Post ERH Sample Results

Results

- Surpassed 95% reduction goals
- Removed 7,550 lbs of TCE and 14,300 gallons of LNAPL