

## Accelerite™ Bioremediation Nutrient Field Trial

### Background

- **USEPA Superfund Site pilot test conducted to determine the most effective carbon substrate to enhance reductive dechlorination of a PCE plume prior to full-scale application.**
- **Multiple substrates tested including WilkeWhey dry whey powder, SoluLac ethuyl lactate, EVO, and EVO/gaseous H<sub>2</sub>.**
- **Project on a time-critical path to meet contractual obligations so Accelerite added to shorten the test.**



### Project Status

- **Over 99% Fe and Al removal in 9 days with CHITOREM® chitin complex.**
- **Mn decreased by 81% in 37 days.**
- **pH increased to 6.79 and acidity decreased from 192 to -114 mg/L.**
- **Sulfate reduced from 489 mg/L to 303 mg/L in 2 days and exhausted at 37 days confirming the activity of sulfate reducing bacteria.**
- **CHITOREM® chitin complex significantly outperformed other substrates for MIW treatment.**