

BAM Injection Treating Benzene

Former Co-op – Dannebrog, NE

One Round of DPT Injection

Project Summary: ORIN successfully treated Benzene contaminated groundwater utilizing ORIN's patented Bioavailable Absorbent Media (BAM). ORIN utilized DPT in order to effectively cover the injection area around MW-1. A vacuum truck was utilized during chemical injection to remove highly contaminated groundwater and to provide hydraulic control. Eleven injection points received a combined total of 1,100 gallons of treatment chemistry.

Exceeds 99% Reduction

Site Conditions:

Groundwater Contaminants –

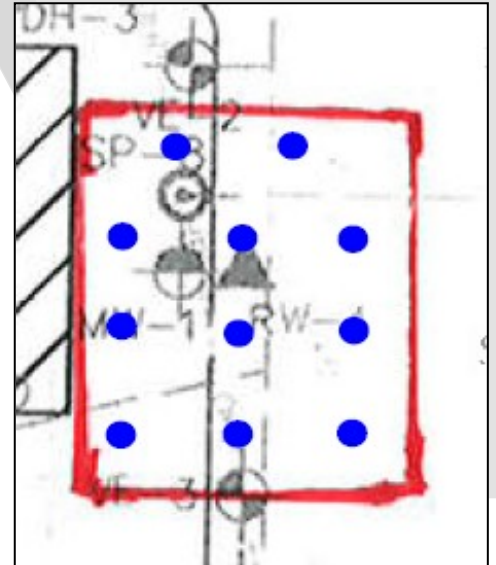
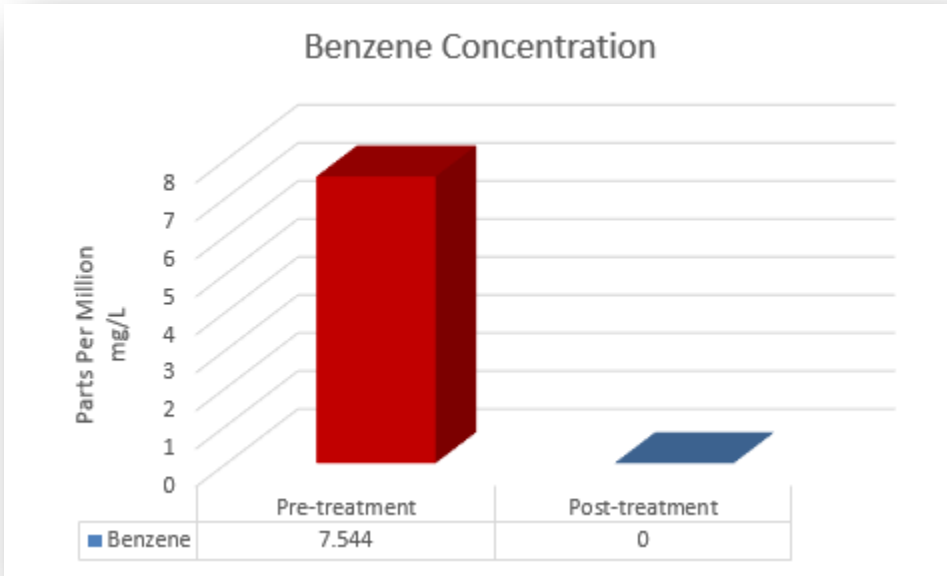
Benzene: 7.544 mg/L

Impacted Matrix –

Silt

Treatment Chemistry –

BAM



Project Results: Before the injection event, MW-1 measured Benzene at 7.544 mg/L with a site specific reduction goal of 6.970 mg/L. Following the event, MW-1 showed a non-detect result of Benzene which translates to a 100% reduction in Benzene. The site is now being sampled quarterly until it is approved for closure.