Temporary Groundwater Treatment System

Construction, O&M

Highlights

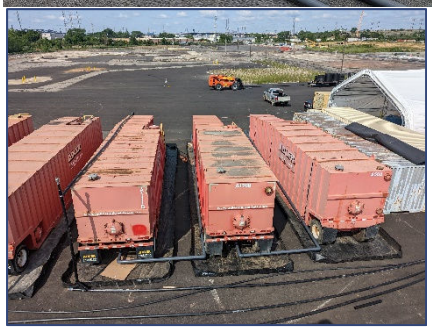
Emergency Build – Design/Build to Operations ~ 6 weeks

System built to treat groundwater from 27 recovery wells and a groundwater collection trench

Installed HDPE piping between temporary system pumps, tanks, vessels and other components







Project History

Former Industrial Site

Kearny, NJ



Regulatory Agency

U.S. EPA

Project Description

Temporary chromium reduction system constructed to manage groundwater during the permanent system rebuild.

Activities Performed

- Staged frac tanks for sludge clarification, backwash water, and effluent water management
- Constructed sprung structure to house pumps, vessels, and dosing tanks
- Fabricated chemical mix tanks from 54” diameter DR9 HDPE pipe and HDPE plate stock
- Retrofit conex shipping containers for dry chemical storage and for electric control panels
- Built infrastructure for piping and conduit
- Installed pumps, vessels, dosing tanks, controls and other appurtenances

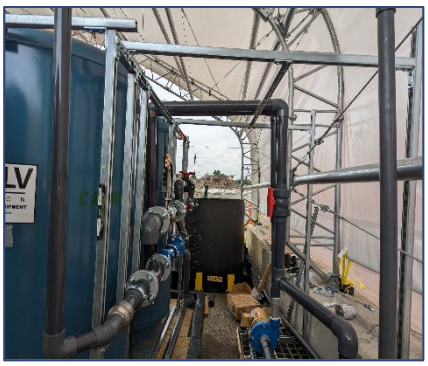
The project was completed July 2023

Project Manager

Dale Foster P.E.

Contract Value

>$500,000







FTS Construction, LLC

FTSCO