

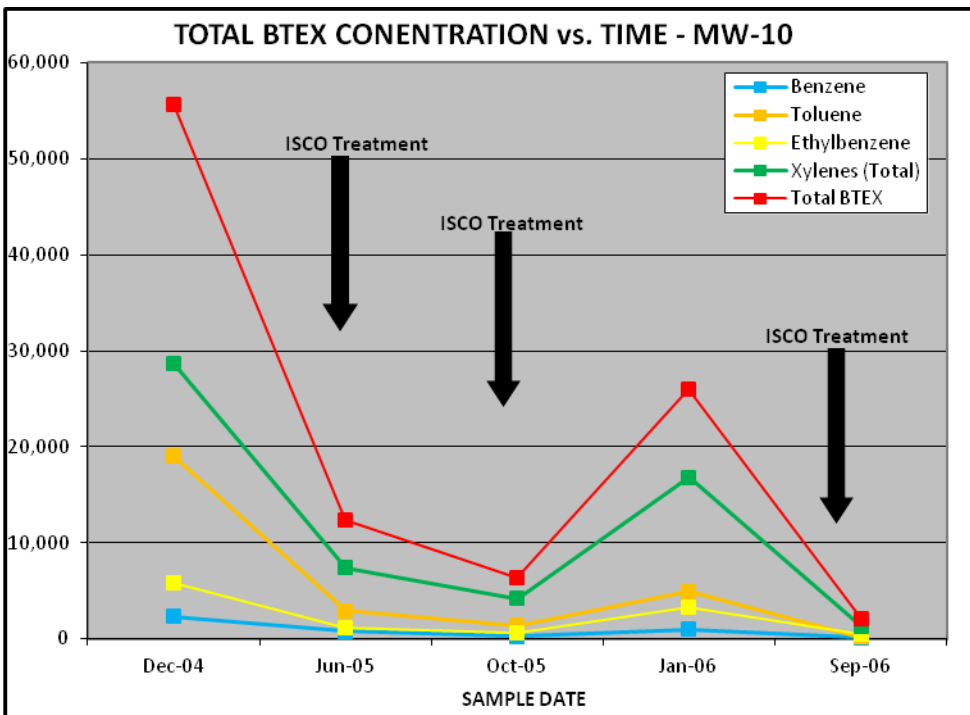
# GUST Fund Cleanup Project Dalton, GA

This cleanup site was an active automobile dealership constructed in the 1970s. In 2004, a petroleum release was discovered after the removal of a 2,000 gallon underground storage tank (UST) and a 500 gallon waste oil UST. Separate Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX) plumes were detected from each UST pit area. Free product was detected in 22 monitoring wells ranging from 0.01 to 1.4 feet.

The treatment goals were to remove free product and lower benzene concentrations of concern to state cleanup target levels. The groundwater depth was 4 to 13 feet below ground surface (bgs).

Catalyzed Hydrogen Peroxide (CHP) was used for multiple injections in different areas of the plume. The final injection event was accomplished using activated sodium persulfate (Klozur®) into existing injection wells inside the building and via an injection trench at the waste oil pit.

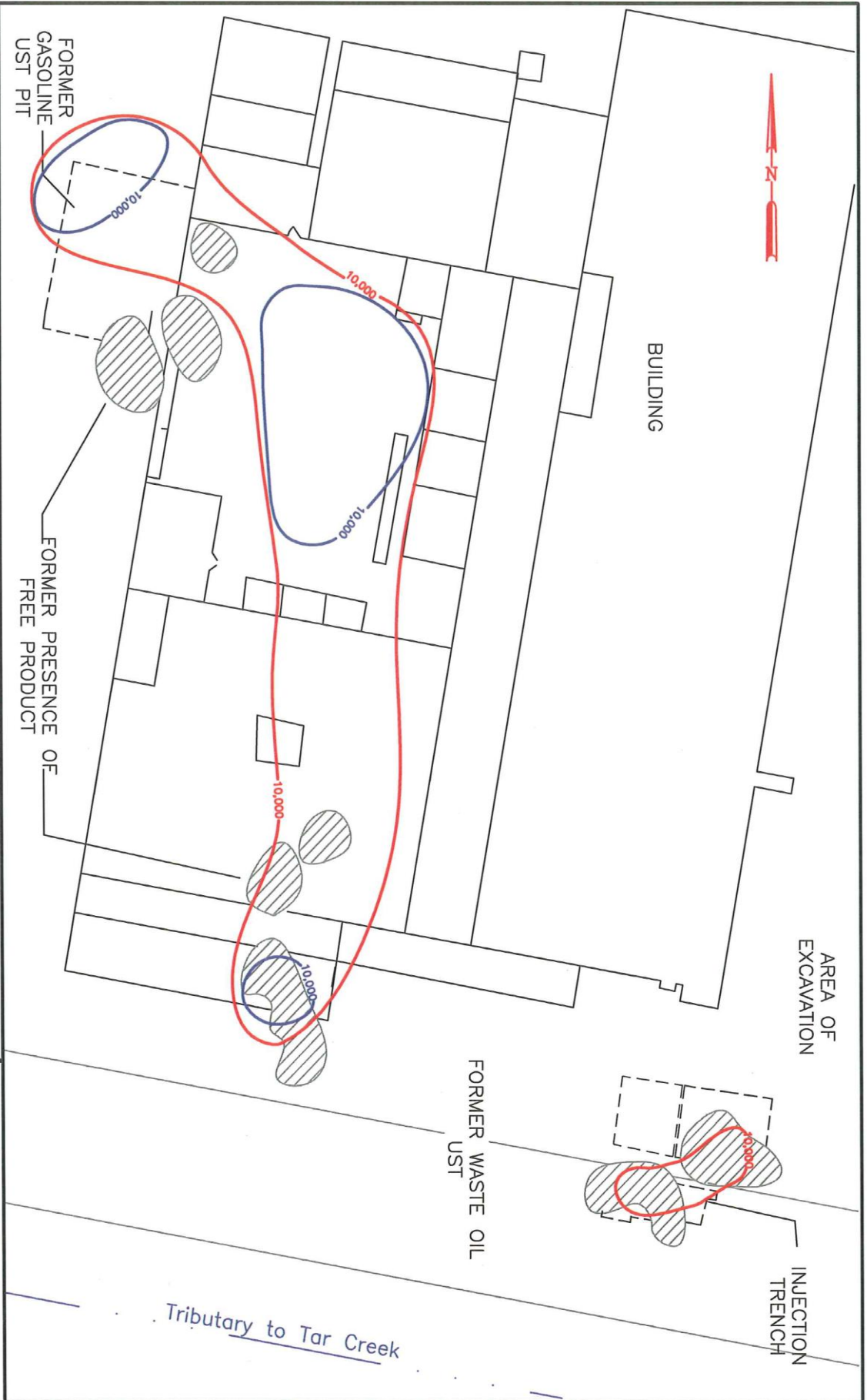
After multiple post-ISCO injection compliance sampling events indicated the benzene concentrations were below the state target goals, Exo Tech received a "No Further Action" designation letter from the Georgia EPD in 2007.



Auto Dealership Cleanup



Area of ISCO Injections



**SITE INFORMATION**

The site is an auto dealership constructed in the 70's. In 2004 a petroleum release was discovered after removal of a 2,000 gallon gasoline UST and a 500 gallon waste oil UST. Two separate BTEX plumes were detected from each UST pit area. Free product was detected in 22 wells product thicknesses ranging from .01 to 1.4 feet. Treatment goals were NAPL removal, lower dissolved benzene levels, and eliminate dissolved chlorinated VOCs. After six injections were performed, the final cleanup goals were accomplished.



**LEGEND**

- 10,000 **BTEX IN GROUNDWATER PRIOR TO INJECTION**
- 10,000 **BTEX IN GROUNDWATER AFTER INJECTION**
- PREVIOUS LOCATION OF FREE PRODUCT**