



GUST FUND CLEANUP PROJECT

Dalton, GA

Contaminants:

BTEX, TCE,
Vinyl Chloride

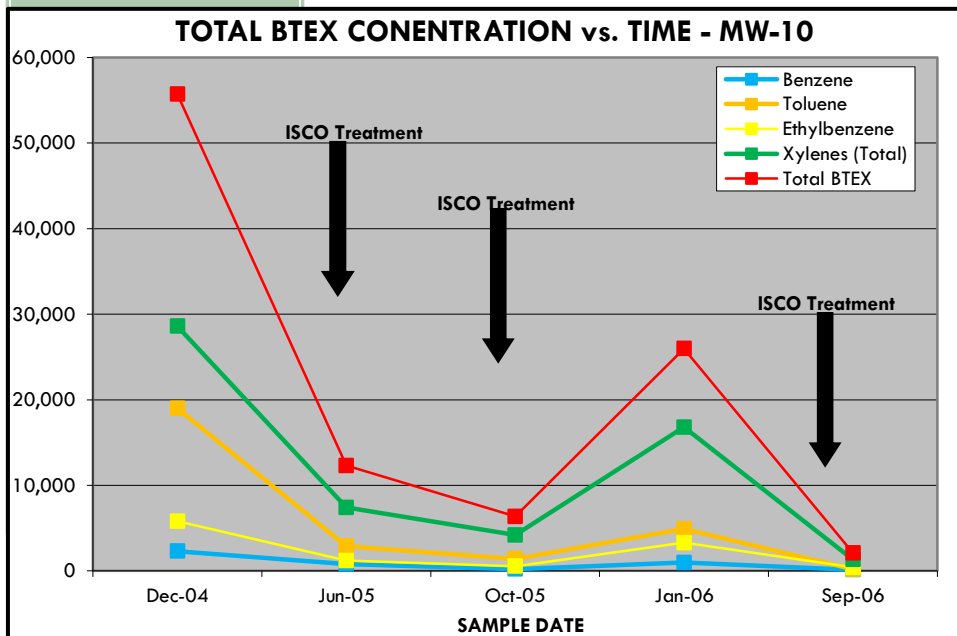
Treatment:

ISCO injections

Site Status:

NFA

- This 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 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 in depth from 0.01 to 1.4 feet.
- Treatment goals were to remove free product and lower benzene concentrations to state cleanup target levels. The groundwater depth was 4 to 13 feet below ground surface (bgs).
- Six low cost ISCO treatments were performed using Catalyzed Hydrogen Peroxide (CHP). Final clean-up in a remaining area was accomplished after excavation of the waste oil pit and injection using activated sodium persulfate. A separate treatment using potassium permanganate was also performed to eliminate vinyl chloride detected in the former waste oil pit.
- Treatment resulted in the rapid removal of free product and reduction of BTEX to below target levels at a **substantial cost savings, especially compared to use of a conventional system**. The site received a “No Further Action” designation letter from the Georgia EPD in 2007.



Injection Well Layout





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