



## Case History<sup>©</sup>

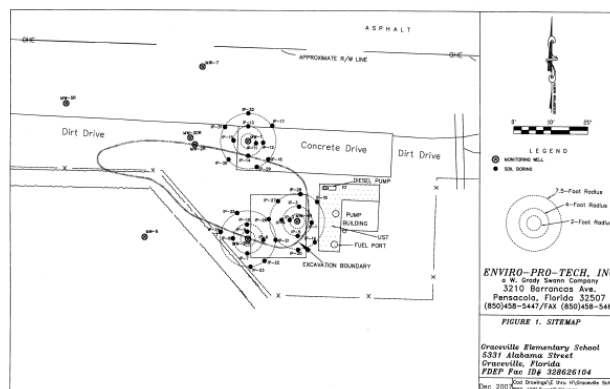
### Work Summary (Site History)

CHS-0022 (MTBE)

The original work plan called for treating an area of approximately 1,200 square feet from 10 to 40 feet (bls) by excavation and overspray. However, upon review of the pre-injection groundwater data, the State Site Manager and Engineer suggested a modification to the approved scope would be justifiable. A phased approach with a revised application area was taken in hopes of reducing the groundwater concentrations in the areas of the hottest wells (MW-1, MW-3R, MW-4R). This was considered a pilot test to evaluate the effectiveness of the product at the site. It was not expected to reduce the concentration levels to GCTLs. After a monitoring period, the wells would be resampled and a supplemental application of Cool-Ox® would be applied if needed. Sampling proved that the Cool-Ox® application was successful at reducing the groundwater concentrations to below GCTLs and a second application was not needed. This site has been approved for a SRCO (Site Rehabilitation Completion Order) after the wells have been abandoned. No further action will be required.

### Project at a Glance

Site 0022 - Site Information	
Type of site	Elementary School
Location	Florida
Contaminants	Benzene, BTEX & MTBE
Work Scope	Inject ISCO solution
Media Treated	Soil and Groundwater
Soil Type	Sand
Groundwater Depth	13 – 17 Feet BLS
Remedial Objective	Reduce groundwater concentrations to below GCTL's
Site 0022 - Application Information	
Technology Selected	Cool-Ox® Process
Application Method	DPT Injection
Area Treated	1,200 ft <sup>2</sup>
Vertical Interval	10-40 feet (bls)
Injection Point (IP) Spacing	2 ft. 4ft radius, 7.5 ft. radius
Media Volume Treated	1333 cubic yards
Number of Injection Points	32
Cool-Ox® Volume	5,344 gallons
Cool-Ox® per IP	167 gallons



Site Map

### Current Status

The MTBE concentration continues to remain below the State Groundwater Cleanup Target Level. No contaminants of concern have been detected at or above GCTLs in any of the samples analyzed. This site has been recommended for no further action and will be granted an SRCO (Site Rehabilitation Completion Order) as soon as the wells have been abandoned.

Site 0022 – Groundwater Monitoring Well Summary (ppb)				
MTBE Levels				
Date	MW-1	MW-2D	MW-3RR	MW-4R
Baseline 9/5/2007	13	14	12	82
3/27/2008	1.3	4.5	9.6	27
9/8/2009	2.3	7.0	5.7	29
6/18/2010	2.6	4.9	2.1	15

