



FLYNN ENVIRONMENTAL, INC.



**UST Corrective
Actions
Trumbull County, OH**

A gasoline release was first identified in 1986 when the south adjacent property owner complained of gasoline in their well water. Remedial activities including UST replacement, free product recovery, and supplying water to the site and adjacent properties were initiated. Site assessment activities began in 1991 with the installation of monitor wells at the site. Extensive soil

and groundwater contamination were discovered. Groundwater sampling and some in-situ remediation continued throughout the 1990s, however the soil and groundwater contamination persisted.

Flynn Environmental was hired to initiate Tier Evaluation activities under the 1999 version of OAC 1301:7-9-13 in July 2006. Flynn immediately advanced soil borings to better define the source area, then conducted an Interim Response Action consisting of the excavation of approximately 650 cubic yards of petroleum contaminated soil. Since the groundwater contamination was migrating along a sewer, 325 pounds of Oxygen Release Compound were applied to the wall of the sewer trench in order to facilitate groundwater remediation. Four monitor wells were re-installed and monitored for a year. A combination of remediation, fate and transport analysis, and site-specific risk analysis finally brought the site to closure in September 2007, just over one year after Flynn took over management of the project.

GROUNDWATER CONCENTRATIONS		
	Pre-IRA	Final 8/2007
Benzene	12,600 µg/l	249 µg/l
Toluene	7,430	209
Ethylbenzene	3,130	229
Xylenes	10,600	1,085
MTBE	630	<5

- ✓ *Tier 1 Evaluation*
- ✓ *Soil Excavation*
- ✓ *Enhanced Bioremediation*
- ✓ *Fate & Transport Analysis*
- ✓ *Risk Assessment*
- ✓ *Tier 2 Evaluation*
- ✓ *NFA*

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