

# New Jersey BTEX

## ART In-well Air Stripping Technology Demonstration Case History

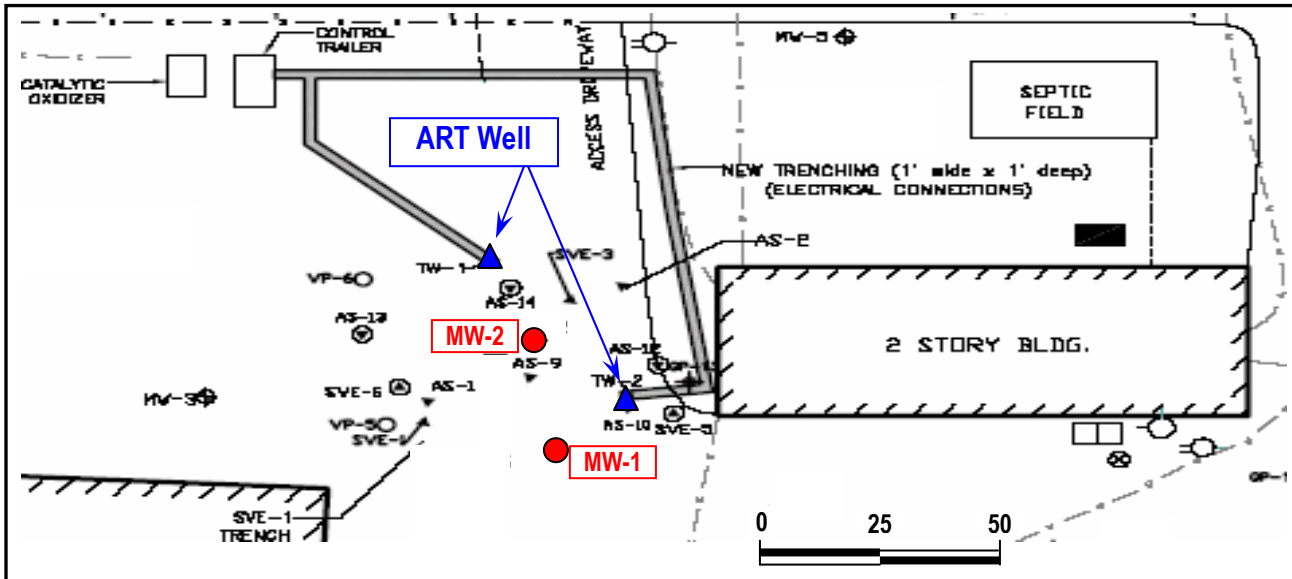
Accelerated Remediation Technologies, LLC (ART) partnered with a consulting firm to demonstrate enhanced remediation at a Municipality Maintenance Facility Center in New Jersey. Hydrocarbon contaminant concentrations had reached asymptotic levels after several years of traditional Soil Vapor Extraction/Air Sparging but remained significantly higher than state's action levels. The ART Technology was installed in two, four-inch wells utilizing existing site compressor, SVE blower and off-gas treatment equipment. Within weeks, the ART Technology was able to "jump start" the remediation.

**Site Remediation History:** Six years of SVE/AS in a shallow groundwater, silty-clayey sand formation. Reduction levels required for closure were not achieved. Consultant evaluated numerous other technologies to reduce contamination to below clean up limits. The ART Technology was installed in September 2004.

### ART Technology Remediation Results

Elapsed Time	MW-1					MW-2				
	B	T	E	X	Total VOC	B	T	E	X	Total VOC
0	2,650	11,000	1,320	11,000	26,333	94	5,740	957	8,780	16,206
28 days	2	62	34	517	614	2,400	8,330	1,010	7,780	19,520
78 days	15	61	12	129	217	1	33	17	121	332
% Reduction	<b>99</b>	<b>99</b>	<b>99</b>	<b>99</b>	<b>99</b>	<b>99</b>	<b>99</b>	<b>98</b>	<b>99</b>	<b>98</b>

### Site Layout



**Summary:** Within weeks, the ART Technology achieved dramatic concentration reduction of all contaminants. Contaminant reduction of monitored constituents in groundwater samples exceeded 98 percent. For additional site-specific information, please contact Mr. Hashim of PMK Group at (908) 497-8929.

For more information about the ART Technology please visit our website at [www.artinwell.com](http://www.artinwell.com)

