

Remedial Activities

Active Packaging Facility, Northern New Jersey: The application of IET Patented synergistic biotic/abiotic process for CVOCs via permanent injection wells and direct push points at a former manufacturing facility, targeting low concentrations of PCE and reductive daughter products within several groundwater streams.

Active Chemical Manufacturing Facility, Tampa Florida: IET applied EZVI into one pilot area and IET's patented synergistic biotic/abiotic reductive process at a nearby pilot area, both via direct push technologies at a Chemical Plant in Tampa. The uniqueness of the application is the targeted compound, **lindane**. **Lindane** and its degradation isomers have traditionally presented remedial challenges, coupled with the geochemistry consisting of depressed pH and high sulfates, the piloted technologies had to address multiple treatment objectives.

Former Dry Cleaning facility on the Coastal Plains of North Carolina: IET was contracted by a national consulting firm to apply, via DPT, our patented "Synergistic" approach (United States Patent 7,129,388) to soil and groundwater with high CVOC concentrations in this initial phase of remediation. The former dry cleaner is located just a short distance offshore of North Carolina's inner coastal waterway. Preliminary data from the treatment regime indicates reductions in CVOCs in excess of 90%. It is expected that treatment standards will be obtained within one-year of the in-situ injection event.



Brownfield Site in Cleveland, Ohio: IET was contracted by a national consulting firm to apply EHC-M® to soils and groundwater affected with both chlorinated solvents and heavy metals at a Brownfield site in downtown Cleveland. Preliminary data from the site following the injection of the EHC and amendments indicate groundwater and soils have nearly attained targets well ahead of schedule.



Former Service Station in Clinton, New York: IET performed an injection program to address BTEX compounds sorbed to soil and dissolved in groundwater via advanced biotic/abiotic mineralization. IET implemented the technologies via 21 direct push points within a confined corner property (approximately a quarter acre).



Final Phase of Remediation Buffalo, NY: IET was contracted by a national consulting firm to apply the patented synergistic reductive dechlorination process in order to polish residual concentrations of chlorinated compounds at a site in close proximity to a residential community.

Patents Pending:

"Method for the Treatment of Groundwater and Soils using dried algae and other mixtures" Application #12250618 January 2009

"Method for the Treatment of Groundwater and Soils using mixtures of seaweed and kelp" Application #6124509 July 2009

Patents Issued:

"Apparatus for in-situ remediation using a closed delivery system" Patent issue date: 5/16/2006 Patent number 7,044,152

"Method for accelerated dechlorination of matter" Patent issue date: 10/31//2006 Patent number 7,129,388

"Method for accelerated dechlorination of matter" Patent issue date: 5/12//2009 Patent number 7,531,709 (continuation of .388)

Miscellaneous News and Events