

Winter 2009

Excitement and Growth

Remedial Activities

Brownfield Site in Chattanooga, Tennessee: Application of IET Patented synergistic biotic/abiotic process for CVOCs in conjunction with EZVI at former manufacturing facility, targeting TCE and reductive daughter products

PA Turnpike Rest Stop: The PA Turnpike, the oldest super highway in the United States has numerous rest stops along its length. IET continued work at one site impacted by BTEX compounds, utilizing activated persulfate. IET activated the persulfate via a proprietary process in which ZVI and peroxide provide activation and long-term facultative biological attenuation.



Active Dry Cleaner, Memphis, Tennessee: IET applied via DPT our patented "Synergistic" approach (United States Patent 7,129,388) to CVOCs at an active dry cleaner in Memphis Tennessee.

Former Manufacturing Site in Spartanburg, South Carolina: IET was contracted by a national consulting firm to remediate a former manufacturing site in Spartanburg, SC. This was a secondary injection event, targeting residual and persistent TCE. Look for the IET poster presentation reviewing the success of the primary injection event at this site during The Tenth Annual In Situ and On-Site Bioremediation Symposium in Baltimore May 5th through the 8th. fuel storage facility in New Jersey. Phase one was the application of material to the excavation.

Former Service Station in Ogdensburg, New York: Fighting the elements, IET performed an extensive injection program to address BTEX compounds applying advanced biotic/abiotic mineralization. IET was contracted following the failure of a sulfate reducing process to produce the desired results.



Former Bulk Fuel Storage Facility in Atlantic Highlands, New Jersey: IET applied 20,000 lbs of activated persulfate using our proprietary activation process via DPT.



Patents

Patent applications and promulgations continue in the fall of 2008 as IET built on its intellectual property. IET was granted a continuation to their 7,129,388 patent in which a broader spectrum of organic hydrogen donors were added, "lactate, propionate, chitin, butyrate, acetate, sugars, glycerol tripoly lactate, xylitol pentapoly lactate, and sorbitol hexapoly lactate". Additionally, an exciting new technology patent was applied for in which blue-green algae, kelp and ZVI make-up a blend of exciting and effective remedial materials. Look for application number **20060223162** to be issued in the first quarter of 2009, while the Blue-Green Algae patent will be published in the first quarter of 2009.

New Employee in Ohio

As IET continues to experience growth across the country, the support and infrastructure of the company requires similar growth. IET in January welcomed Eric Emerson into our fold. Eric holds a Bachelor of Science in Environmental Science from Ohio State University. Eric has already contributed to implementation of nearly a dozen sites across the country. Eric is based out of our new facility in Sunbury. We are looking forward to Eric's contributions.



Miscellaneous News and Events

Seminars: IET continues to participate and present in the FMC/Carus/Adventus seminar series. A lively and informative discussion was enjoyed in East Brunswick, New Jersey. We are looking forward to similar discussions in the May seminar to be held in Virginia. All our clients are encouraged to attend these seminars where case studies, new technologies, challenges and solutions are openly discussed. The New Jersey seminar offers the additional benefit of continuing education credits to attendees.

Papers: IET has authored and/or co-authored four papers which have been accepted for poster and platform presentations at the upcoming Tenth International In-Situ and On-Site Bioremediation Symposium to be held at the Baltimore Marriott in May 2009. IET's papers will discuss both chlorinated and hydrocarbon remedial processes.