Enhanced Delivery of *In Situ* Chemical Treatment using the On-Contact Process

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EBSI is a rapid remediation service company featuring the On-Contact Remediation Process® family of technologies for soil and groundwater. The most common On-Contact configuration is a multi-stage *in situ* process utilizing subsurface propagations to transmit remediation chemistry to contaminated areas with real-time monitoring. All for a cost less than single phase / well based services. A single injection point can do the work of 9 to 36 wells and can be installed under buildings and in the presence of active USTs. Multi-stage chemical formulations for remediation are matched to contaminants, geology, and site conditions. The Contact Remediation Process® follows a model of four stages: physical, preparation, conversion, and restoration. Each of these stages will be discussed during the presentation. The On-Contact® family also includes a tension application system for groundwater remediation in fractured rock, pump and treat augmentation, a percolation bin system for shallow soils, sediment access system and new experimental wide-area *in situ* system to be commercially available in 2001. One of the major innovations of the On-Contact® family is the use of sub-surface electronics to monitor the condition and travel of remedial chemistry and the real-time survivability of the contaminants! Real-time monitoring allows for tuning of application stages, ending the unpredictability of batch *in situ* application especially through uncontrollable wells.