



### Clean Earth Technology

Fountainhead Engineering LTD (FHE) was retained by the manufacturer of a mobile soil washing technology targeted for petroleum contaminated soils. Subsequently FHE was retained by an operating company that purchased this technology and FHE conducted technology and regulatory assessments for this "first-of-its-kind" *mobile* soil washing remediation technology (North America) using a 100% biodegradable non-toxic colloid.

For the manufacturer documented system performance and developed technical materials for inclusion with regulatory submittals for clients. FHE developed three separate regulatory submittals for remediation projects for cleanups involving petroleum hydrocarbons, semi volatile compounds and inorganic compounds (metals).

As a subcontractor FHE developed a Plan of Operation for proposed soil remediation assignment for an ammunition plant consistent with the U.S. Army Toxic and Hazardous Materials Agency (USATHAMA) for portions of a 7,354-acre site. Constituents of Concern (COC) to be addressed using this mobile soil washing technology were, trichloroethylene, 1,1,1-trichloroethane, nitroglycerine (NG), 2,6-dinitrotoluenes (26DNT), n-nitrosodiphenylamine (NNDPA), cadmium, chromium and lead.