

EnviroBlend[®] has extensive knowledge of the fate and transport of heavy metal contamination, as well as remedial action experience. Our scientists have spent years developing cost-effective chemistries for rendering lead, cadmium, arsenic, hexavalent chromium, zinc and other heavy metal contaminants non-hazardous. This research has resulted in a number of patented products that have been widely applied for heavy metal remediation sites across the country.

Former Industrial Site – New Jersey

Crushed brick and soil matrix. A 3% dosage of EnviroBlend HX was used to bring leachable chromium levels down below TCLP standard for off-site disposal.

Former Fertilizer Manufacturing Site – New Jersey

This client needed to remediate 37,000 tons of soil in a tidal area impacted with lead (up to 136,000 mg/kg) and arsenic (54,000 mg/kg). The soil was in a low pH environment and was located at depths of 8-16 feet. The project was performed during winter. The soil was rendered non-hazardous by the application of EnviroBlend and was reused on-site, saving the client approximately \$1 million.

Brownfield Site – New Jersey

The untreated soil contained lead totals ranging from 2,000 mg/kg to 40,000 mg/kg in characterization testing. Composite sample 3 resulted in 4,100 mg/kg arsenic, leaching at 10.2 mg/L in TCLP prior to treatment. A dosage rate of 1% wt./wt. EnviroBlend HX reduced arsenic leachability to 0.40 mg/L. SPLP testing was conducted for leaving some materials on-site, with a target of 1.0 mg/L or less and coupled with acceptable TCLP results. 5% wt./wt. dosage of EnviroBlend 50/50 HX met both criteria.

Ongoing Remediation at Future Commercial Site – New Jersey

EnviroBlend is being used as an activator in a bioremediation application to remediate soil that will be left in place at a New Jersey private cleanup site. Once complete, the site will be able to be developed for commercial use.