

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 Tomco Wood Preserving Site - Indiana

From 1980 to the fall of 1993, Tomco Wood Preserving used the property to pressure-treat wood products intended for exterior construction. In 1999 the presence of arsenic and chromium impacts in surface and subsurface soils were identified. In 2000, on-site buildings were demolished, and a fence was erected around the facility. The Voluntary Remediation Program (VRP) accepted the Tomco application in May 2001. The remediation consisted of excavation along with *in-situ* EnviroBlend remediation. Soils not able to be treated were shipped to an off-site disposal facility. A total of 2,872 tons of arsenic and chromium-containing soil and 116 tons of debris were excavated as part of the source removal operation. Groundwater was sampled for four (4) consecutive quarters it was determined that arsenic did not exceed acceptable risk levels. VRP issued formal closure to the site on April 25, 2003.

AIG Technical Services, Inc.- Indiana

Soil impacted with arsenic and chromium was successfully treated with only 2% dosage of EnviroBlend chemistry and disposed of off-site as non-hazardous soil.

Automobile Parts Manufacturer – Indiana

Remediated approximately 9,000 tons of chromium-impacted soil adjacent to building foundation *in-situ*. Chromium was no longer detectable in groundwater after approximately 150 days of treatment. Resulting in cost savings of approximately \$600,000 compared to traditional dig and haul alternatives.

Confidential Site – Indiana

The untreated soil contained lead totals of 3,740 mg/kg that was leaching at 5.63 mg/L, and total zinc concentration of 8,570 mg/kg leaching at 49.8 mg/L. A dosage rate of 2% EnviroMag Coarse reduced the lead leachability to 0.90 mg/L (TCLP standard of 5.0 mg/L for lead, cleanup criteria of 5.0 mg/L for zinc). This was a 28% reduction in leachable lead and a 26% reduction in leachable zinc.

Leaching Results									
Sample Name	Lab ID	EnviroBlend® Dosage		Screening TCLP Test Results					
		Chemical	Percentage	Pretest pH	Solution	Final pH	Cadmium mg/L	Lead mg/L	Zinc mg/L
090310	10-09008	Untreated	-	2.20	TCLP-1	6.04	<0.24	5.63	49.8
		EnviroMag® Coarse	2.0%	-	TCLP-1	6.92	<0.024	0.20	1.95