

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 Ashepoo Fertilizer Works

Spills at this former Asheboro fertilizer works contaminated the soil and groundwater with acid, arsenic, and lead. Sampling found arsenic as high as 220 mg/L. Over 45,000 cubic yards of saturated affected soil were effectively treated *in-situ* with EnviroBlend to below-drinking water standards. The site was located in a tidally influenced coastal environment, and the project was hailed as a success by both the USEPA and the client.

Former ABSCO Scrap Yard – Pennsylvania

The former ABSCO Scrap Yard had been utilized for 40 years, and previous to that had been used as a rail yard. As a result of its long history of industrial use, site soils were contaminated with polychlorinated biphenyls (PCBs), petroleum, lead, and other metals. The site was designated as a Superfund site and the former owner was under a consent order agreement with the United States Environmental Protection Agency (USEPA) and the Pennsylvania Department of Environmental Protection (PADEP) to remediate the property. Once sold, the remediation became the responsibility of the new owner prior to plans for redevelopment.

The untreated soil was found to be hazardous for lead, containing total lead concentrations in excess of 3,000 parts per million. EnviroBlend was added at 1%-3% by weight of the soil.

Post-treatment, the soil of the former ABSCO Scrap Yard was transported off-site and disposed of at a non-hazardous subtitle-D landfill. This work was conducted in close contact with the USEPA and the agency approved the remediation and disposal option upon its completion. The client found the use of EnviroBlend to be a technically sound, environmentally acceptable, and cost-effective solution.

Former Firing Range – Pennsylvania



Treated over 500 tons of lead-affected soil from a former police pistol firing range with EnviroBlend and rendered soil non-hazardous. Placed treated soil on-site of the former firing range under the direction of the PaDEP under the new progressive Act II

guidelines. Placed soil 20 feet below the parking lot of the new Home Depot constructed at the property, which saved transportation and disposal costs.

East Penn Manufacturing – Pennsylvania



EnviroBlend managed the construction activities at East Penn Manufacturing, including excavation, stabilization, placement, and structural compaction of over 30,000 tons of lead-contaminated soil and battery casings at an acid battery manufacturing plant. Also managed remedial closure of two solid waste units. Placed stabilized soil and battery casings into the former ore pit and structurally compacted the material to accommodate future upgrades to the facility. This saved the expense and liability of disposing of these materials off-site.

Lemac Foundry – Pennsylvania



Rendered over 350 tons of lead-affected soil non-hazardous at Lemac Foundry using EnviroBlend. The treated soil was transported to and disposed of at a Subtitle D landfill, which provided significant savings over disposing at a hazardous waste landfill.

Confidential Site – Pennsylvania

Approximately 8,000 tons of soil and sediments were treated and removed off-site using EnviroBlend CS.

The soil was remediated by bringing contaminated soil from a creek and applying one ton of EnviroBlend to every 300 tons of waste. After mixed, the soil was sampled and taken to a non-hazardous landfill.