



## **BERNIER CONSTRUCTION, INCORPORATED PROJECT SUMMARY**

**Project Title:** Matteo Iron and Metal, Inc. Superfund Site – Removal Action

**Location:** Thorofare, Gloucester County, New Jersey

**Scope:** Project management services for the removal action at the Superfund site

Berner Construction was contracted by James Matteo and Sons, Inc., the current owner of the Matteo Iron and Metal, Inc. Superfund site located in West Deptford, New Jersey, to act as the Project Coordinator for the removal action. The removal action at the site was voluntarily conducted by Matteo in accordance with an Administrative Settlement Agreement and Order on Consent (AOC) between Matteo and the USEPA Region II. Berner Construction provided complete project management services for the removal action, including development of the remedial action work plan(s), health & safety plan, and the sampling & quality assurance project plan; oversight of the removal action contractors; all screening and confirmation sampling activities; act as liaison between the client and the EPA's on-scene coordinator; and development and submittal of the removal action final report.



### **XRF Screening Locations under a Raised Mobile Home**

Two separate removal actions were conducted concurrently at the Matteo site between May 2006 and July 2006. The first removal action conducted in accordance with the AOC included a complete property survey, installation of a new fence along the property line to prohibit unrestricted access, implementation of engineering controls and operational changes at the scrap yard to restrict access and direct contact by customers/general public to contaminated areas, and the preparation and implementation of a maintenance plan for the controls

and changes instituted. The second removal action conducted voluntarily by the property owner included the excavation, removal, and disposal of surficial lead contaminated soil from the site and the adjoining mobile home property. Berner Construction utilized a hand held x-ray fluorescence (XRF) meter that provided rapid, on-site measurements of metals contamination in soil to screen the excavations prior to collecting confirmation soil samples for laboratory analysis. The XRF meter results showed good correlation with the laboratory results and subsequently saved the client time and money during the soil removal action. The site and mobile home park were restored to original conditions.

Historically, the Matteo site was the location of a junkyard and a metal salvaging facility that recovered lead cores from old battery casings. Currently the site is the location of a scrap metal recycling facility. The site was contaminated with lead, antimony, copper, arsenic, cadmium, mercury, nickel, zinc, and PCBs above the state's residential and non-residential direct contact soil cleanup standards. In addition, there were several unrestricted access trails present from the adjacent residential mobile home park. Lead contamination was also detected on the adjacent mobile home park property.



### **New Posted Fence along the Matteo Property Line**