



U n i v e r s a l   R e m e d i a t i o n ,   I n c .

1405 Parkway View Drive . Pittsburgh, PA. 15205  
Phone: 412-788-2444 . Toll Free: 877-788-2444  
Fax 412-788-0111 . [www.petrolrem.com](http://www.petrolrem.com)

## UNIVERSAL REMEDIATION, INC. CASE STUDY AND REPORT

May 17, 2004

**Location:** Major railroad yard and diesel repair facility in Northern Ohio

**Product:** *PRP<sup>®</sup> Oil Buster<sup>™</sup>*

**Problem Area:** Ballast, ties and track mats saturated with oil and diesel fuel for many years.

**Remediation:** Oil Buster was applied to 40 ft. of ballast and ties, approx. 1/16th of an inch thick, both between the rails and on the outside of the rails.

Prior to remediation a sample of dirt and rock were taken from a marked location and sent to Microseeps, Inc. at the University of Pittsburgh Applied Research Center.

A hydrocarbon saturation test was done on April 1, using Modified method #8015.

The test showed Semi-Volatiles [TPH-DRO] at 12,000.

On May 10 samples from the same marked area, where *PRP<sup>®</sup> Oil Buster<sup>™</sup>* had been applied, were tested again, using the same method.

The results showed the Semi-Volatiles [TPH-DRO] at 830.

**This is a 93% reduction over a 40 day period.** [Approx. 5 weeks.]

The remediation procedure was done and overseen by Dan Kelley, Terry Gibbons, Ray Tarasi and Dale Leake. Videos and Photographs were taken and are available on request.

Further details can be obtained by calling Universal Remediation, Inc. at 877-788-2444.