

# REMEDIAL SERVICES AT HAZARDOUS WASTE SITE

## Site Information

National Heatset Printing  
Babylon, NY

## Client Information

NYS Department of  
Conservation

## Project Highlights

- Installation of 24 injection wells
- Fabrication, supply and installation of chemical oxidation system
- Over 115,000 pounds of sodium permanganate mixed into 2% solution injected
- Daily injection volumes of 4000 to 6000 gallons per day

EnviroTrac Ltd. (ET) was awarded a contract worth \$1.1 million dollars to complete remedial activities at a New York State Department of Environmental Conservation (NYSDEC) listed Hazardous Waste Site. The National Heatset Printing site is located in Babylon, Long Island. The work includes the installation of 24 injection wells, the fabrication, supply, and installation of a chemical oxidation system containing mixing, metering and injecting equipment. The remediation included the injection of 115,000 pounds of sodium permanganate and 25,000 pounds of potassium permanganate into PCE/TCE contaminated groundwater. The sodium permanganate was cut and injected as a 20% solution, and the potassium permanganate was injected as a 2% solution. Sodium permanganate was off loaded in bulk, then cut and stored in a dedicated mix tank. A separate hopper/conveyor system transferred the potassium permanganate to a mix tank in which a 2% solution was temporarily stored prior to injection. Daily injection volumes ranged from 4000 to 6000 gallons per day. EnviroTrac personnel were responsible to regulate all dosing, injection pressures, and flow rates. Performance monitoring data was collected daily and used to evaluate the effectiveness of ISCO treatment.



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