

CASE STUDY - MUNICIPAL SITE INVESTIGATION & REMEDIATION

Client: Municipal Client, New Jersey

Workscope: Preliminary Assessment Report, Removal of "Free Product" Gasoline & Groundwater Sampling, Preparation of a Remedial Action Workplan (RAW) for NJDEP, Preparation of Contract Documents and Bidding of Contract, Meetings, Secure Hazardous Discharge Site Remediation Fund (HDSRF) Grant, Site Investigation Activities, Oversight of Demolition, Implementation of the RAW Site Remediation Activities.

Regulations:

NJ Department of Environmental Protection



Project Size:

Fall 2007 – Present; \$141,000 to date;
Site is approximately 25 acres.

Project Team:

Andrew Applebaum P.G., Sharon Maher,
Brian Knight

Overview:

The Township contracted Alliance to take on this Brownfield Redevelopment project. The goal was to successfully redevelop the former Public Works facility into recreational ball fields to be used by citizens of the Township. Alliance successfully completed the Remedial Investigation and RAW for Underground Storage Tank (UST) related areas of concern. While the RAW was pending NJDEP case manager approval, Alliance completed the HDSRF Grant Funding application to not only secure a source of funding for the RAW Implementation, but also secured funding for past environmental work completed at the site. In March 2009 approximately 2,400 tons of gasoline contaminated soil was excavated from an excavation which encompassed the former UST area. After completion of the excavation in April 2009, approximately 1,000 pounds of Sodium Percarbonate and 3,968 pounds of Calcium Peroxide were added to the excavation prior to backfilling the excavation with certified clean fill. These compounds release significant amounts of dissolved oxygen and peroxide radicals in groundwater, which are intended to stimulate natural attenuation. In June 2009 five groundwater monitoring wells were installed and routinely sampled. Alliance also completed a Preliminary Assessment Report and subsequent Site Investigation Report for non-UST related areas of concern. To that end, Alliance was instrumental in securing a 100% reimbursement HDSRF Grant for additional Site Investigation activities to be completed in conjunction with Remedial Activities. The project is currently undergoing closure monitoring under the supervision of Alliance's Licensed Site Remediation Professional (LSRP).



Goal:

- Successfully demolish Department of Public Works Facility, while addressing soil and groundwater contamination at the site.
- Implement remediation strategy in concert with redevelopment of property on expedited time frame.



Environmental Alliance, Inc.