



Workscope:

Preliminary Assessment Report, Enhanced Fluid Recovery of “Free Product” Gasoline, Groundwater Sampling and Monitoring, Preparation of a Remedial Action Workplan (RAW) for NJDEP, Preparation of Contract Documents and Bidding of Contract Key Site Contractors, Community Outreach Meetings, Secure Hazardous Discharge Site Remediation Fund (HDSRF) Grants, Site Investigation Activities, Oversight of Demolition, Implementation of the RAW Site Remediation Activities.

Goal:

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

Problem:

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 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. Closure monitoring was completed under the Groundwater Remedial Action Permit. The permit was terminated after all results were below Groundwater Quality Standards for two consecutive events. Alliance’s Licensed Site Remediation Professional (LSRP) issued an Entire Site Response Action Outcome (RAO) in March 2015.

Client

The Township of
Bridgewater, New
Jersey

Project Team

Michael Weaver,
LSRP, Andrew
Applebaum P.G., and
Sharon Maher

Regulation

NJDEP Technical
Requirements for
Site Remediation and
Regulated
Underground
Storage Tank (UST)

Project Value

Fall 2007 –
Spring 2015
~\$500,000
Site is approximately
25 acres.