

## Project Profile

### Buckeye Pipeline Company, L.P.

**Description:** Site Characterization and Remediation

**Location:** Flemington, New Jersey

**Contract Value:** \$350,000

#### Major Activities

- Site Characterization
- Hydrogeological Investigation
- Remedial Engineering and Design
- Environmental Remediation

The site is a leasehold within a larger petroleum terminal owned and formerly operated by another company. The site was used to deliver petroleum products into the terminal and to filter, sample and meter those deliveries. The terminal and the surrounding area have documented sources of groundwater contamination with chlorinated solvents. Both chlorinated and petroleum related compounds have been detected in groundwater on and immediately adjacent to the leasehold.

Management of this project was assumed after completion of site investigation activities. The following tasks were performed:

- on-site management of excavation of approximately 300 cubic yards of soil, including oversight of subcontractors;
- field screening of excavation boundaries to assess compliance with cleanup levels collection of post-excavation samples and submission for lab analysis; and
- preparation and submission of Soil Cleanup Activities Report to the New Jersey Department of Environmental Protection (NJDEP).

The following tasks related to site groundwater were also performed:

- worked with vacuum extraction vendor to design a remedial system;
- submitted a Groundwater Cleanup Plan to the NJDEP, including design drawings, operations and maintenance criteria and cost estimates;
- prepared and submitted to the NJDEP discharge to air and water permits required for operation of the remedial system; and
- quarterly groundwater sampling.

Based on groundwater monitoring data and other site activities, the NJDEP decided that active remediation was not required at the leasehold. UMC is continuing to conduct quarterly groundwater monitoring.