

PA Act 2, Land Recycling, Brownfield

Site Investigation, Site Remediation, DNAPL Recovery

Highlights

Turnkey Construction

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Site reuse

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Establishment of a wetlands area where surficial coal tar previously existed

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Construction of a Little League baseball field and an adjacent parking area

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Use of a portion of the site by the local gas company to house a gas regulator station

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DNAPL recovery

Project History

Former Manufactured Gas Plant Pennsylvania



Regulatory Agency/Program

Pennsylvania Department of Environmental Protection (PADEP)/Pennsylvania Land Recycling Program (Act 2)

Constituents of Interest

Creosote DNAPL

Project Description

This site was assessed under both Pennsylvania's Act 2 program and a Consent Order and Agreement (COA). The assessment activities included site investigation and Interim Remedial Action (IRA) and are intended to support an Act 2 release of liability and/or a "No Further Action" designation pursuant to the COA. A phased approach was employed at this site with the objective to identify and obtain data necessary to support the selection of an appropriate remediation standard under Act 2.

As a result of the investigation/delineation activities, the MGP process structures/areas were remediated under the area of contamination (AOC) concept and DNAPL recovery was performed.

Consolidation and material handling was performed primarily within existing structures to make the material suitable for excavation and handling, off-site shipment, and to improve the materials thermal treatment characteristics.

A significant benefit of the IRA activities was the reuse of the site for multiple purposes.

Activities Performed

- The vertical and horizontal extent of MGP-related constituents were determined utilizing an extensive investigation program, including the installation of seven monitoring wells and a boring grid program
- Several MGP process structures/areas were identified and designated for remediation
- A confining layer was identified and delineated in order to evaluate the potential for subsurface migration of DNAPL