



## **BERNIER CONSTRUCTION, INCORPORATED PROJECT SUMMARY**

**Project Title:** Multiple Site Underground Storage Tank (UST) Removal and Associated Activity for Philadelphia Gas Works (PGW)

**Location:** 9<sup>th</sup> and Diamond Streets, City of Philadelphia, PA

**Scope:** Provide labor, materials, equipment, and supervision to prepare and implement a Remedial Action Plan (RAP) as it pertains to three former USTs

Berner has been retained by Philadelphia Gas Works (PGW) to prepare and implement a Remedial Action Plan (RAP) and quarterly Remedial Action Plan Reports (RAPR) at the 9<sup>th</sup> and Diamond facility. The RAP was prepared in response to PADEP's approval of the Site Characterization Report (SCR) associated with the removal of three former underground storage tanks (USTs) at the PGW 9<sup>th</sup> & Diamond Facility. The RAP was prepared and submitted to PADEP in accordance with Section 245.311 of PADEP's Corrective Action Regulations.

The primary objective of the remedial action at the 9<sup>th</sup> & Diamond site is the removal of Separate Phase Hydrocarbons (SPH) from the soil-groundwater interface. Remediation of the SPH layer combined with pathway elimination is required to achieve attainment of the site-specific cleanup standards for soil and groundwater at the site. Remedial activities at the site include maintenance of the product recovery system, quarterly groundwater monitoring and sampling activities to evaluate the effectiveness of Monitored Natural Attenuation (MNA) over time, and disposal of wastes generated during the remedial action.

Quarterly groundwater monitoring and sampling from eleven monitoring wells is conducted using low-flow sampling techniques in accordance with the USEPA Groundwater Issue: Low-Flow (Minimal Drawdown) Ground-water Sampling Procedures guidance manual published in April 1996.

A quarterly summary report is prepared and submitted to PGW and PADEP which includes: a tabulation of the sample and QA/QC results; a copy of the analytical laboratory data report; a cumulative summary of the current and historical groundwater monitoring well data; groundwater contour diagram; contaminant isoconcentration diagrams; and depth to groundwater measurements.

The quarterly reports are written in accordance with Section 245.312(c) of PADEP's Storage Tank and Spill Prevention Act Corrective Action Regulations and the additional requirements set forth in PADEP's RAP approval letter to PGW. To date, ten consecutive quarterly sampling events have been completed and the RAPRs prepared and submitted.

