



INSITE GROUP, INC.

CASE STUDY STORAGE TANK CLEAN-UP PROGRAM

Gasoline Retail Station
Western Pennsylvania

REPORTED RELEASE AND VAPOR INTRUSION

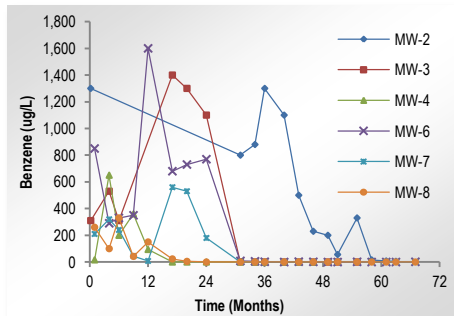
The Client contacted Insite Group, Inc. (IGI) due to a failed tank tightness test and inventory report indicating a product discrepancy of over 600-gallons of unleaded gasoline in an underground storage tank (UST). The tank was taken out of service while IGI implemented drilling and recovery of separate phase liquid on an emergency basis. Due to heavy rains, gasoline fumes then migrated into the basement of an adjoining structure, resulting the evacuation of the occupants and business closure. Emergency measures included:

- Installation of three recovery wells followed by multiple vacuum extraction events.
- Evacuation of vapors from the building and sanitary sewer.
- Installation of a vapor mitigation system between the source area and affected building. The business was promptly reopened based on vapor monitoring results of indoor air.



SITE CHARACTERIZATION

Corrective actions were implemented, including site characterization with pilot testing to evaluate remedial options. Soil impacts were limited to the property and groundwater impacts extended beyond the property boundary and affected the unconsolidated and bedrock aquifers.



REMEDIATION

Source removal by excavation of approximately 2,000 tons of impacted soil was completed. IGI coordinated excavation with the Client's facility upgrade and UST system replacement.

Groundwater was treated using oxygen-releasing compound (ORC). Attainment of the Statewide Health Standard was demonstrated for soil and groundwater within three years post-excavation.

CLOSURE

The Pennsylvania Department of Environmental Protection approved closure of the site following receipt of the Final Remedial Action Completion Report.

LOCATION:

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