



SOIL VAPOR EXTRACTION/ AIR SPARGE REMEDICATION SYSTEM INSTALLATION

DRY CLEANING FACILITY INDIANAPOLIS, INDIANA

Client: Private Consultant

Contaminants: Tetrachloroethene (PCE)

Impacted Matrix: Saturated Soils and Ground Water

Technology: Conventional Excavation and Directional Drilling

PROJECT OVERVIEW:

Specialty Earth Sciences, LLC (SE SCIENCES) was contracted to facilitate the conceptual design and installation of a soil vapor extraction (SVE)/ air sparge (AS) system at an impacted dry cleaning facility in Indianapolis, Indiana.

SE SCIENCES personnel completed all construction activities and site restorations on-time (approx. 4 weeks) and within budget.

Scope of Work Included:

- Eleven (11) AS and five (5) SVE well integrations.
- Construction and connection of associated wellhead assemblies.
- Installation of (5) traffic rated steel access vaults (SVE) and (11) flush mount covers (AS) with concrete collar finish.
- Approx. 1,200 linear feet of conveyance line excavation trenching.
- Installation of approx. 1,600 linear feet of 4" ID vacuum extraction piping and 3,600 linear feet of 1" ID air sparge poly. tubing with pressure test confirmation.
- One (1) directionally drilled horizontal SVE well (50 ft. length and 4" ID).
- Excavation, transport, and disposal of construction debris and nonconforming backfill.
- Asphalt resurfacing with site restoration.

DRY CLEANING FACILITY - INDIANAPOLIS, IN



CONVEYANCE LINE TRENCH WORK



SVE AND AIR SPARGE
CONVEYANCE PIPING



SVE/ AIR SPARGE REMEDIATION SYSTEM
EXTERIOR VIEW



SVE/ AIR SPARGE REMEDIATION SYSTEM
INTERIOR VIEW