



# SOIL VAPOR EXTRACTION/ AIR SPARGE REMEDICATION SYSTEM FABRICATION AND INSTALLATION

## DRY CLEANING FACILITY INDIANAPOLIS, INDIANA

**Prime Consultant:** Patriot Engineering and Environmental, Inc.

**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 design, fabrication, 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

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CONVEYANCE LINE TRENCH WORK



SVE AND AIR SPARGE  
CONVEYANCE PIPING



SVE/ AIR SPARGE REMEDIATION SYSTEM  
EXTERIOR VIEW



SVE/ AIR SPARGE REMEDIATION SYSTEM  
INTERIOR VIEW