



# SOIL VAPOR EXTRACTION/ AIR SPARGE REMEDIATION SYSTEM CONSTRUCTION

## FORMER FUELING TERMINAL COLUMBUS INDIANA

**Client:** Private Consulting Firm  
**Contaminants:** BTEX and Chlorinated Hydrocarbons  
**Impacted Matrix:** Soil and Ground Water  
**Scope of Work:** Soil Vapor Extraction (SVE)/ Air Sparge (AS) System Design and Construction

**Project Specifics:** SESCOIENCES was contracted to provide conceptual design and facilitate the construction of a mobile SVE/AS remediation unit.

SESCOIENCES personnel constructed a “turn-key” SVE/ AS unit with the following capabilities:

SVE: 400 ICFM @ 14.0 INCHES OF MERCURY COLUMN

AS: 95 ICFM @ 22 PSI

- 20 hp PD Blower
- Variable Freq. Drive
- Vacuum Transducer
- 10 hp Rotary Vane
- Dual Floor Sumps
- Telemetry Control and Monitoring
- (5) SVE Inlet Manifold
- A / W Separator
- GAC Polishing Unit
- (7) AS Outlet Manifold
- Pressure Transducer

*Graphic Touch Screen Controls and Operations w/ Fault Display*

**Current Site Status:** Full Scale Corrective Action

