



HYDROGEOLOGICAL, MPE, & SVE PILOT STUDY ACTIVITIES

FORMER DRY CLEANING FACILITY FRANKFORT, INDIANA

- Client:** Private Consulting Firm
- Contaminants:** Benzene, PCE, TCE, and DCE Isomers
- Impacted Matrix:** Soil and Ground Water
- Scope of Work:** Hydrogeological and remedial testing of two subsurface aquifer units, with dense non-aqueous phase liquid (DNAPL) present.

Project Specifics: SESCOIENCES was contracted to provide design, facilitation, and operation of an eight day pilot study for various remedial technologies which included: aquifer pump test, multi-phase extraction (MPE), and soil vapor extraction (SVE).

SESCIENCES implemented testing activities both inside and outside of the former dry cleaning facility. Areas of impact located directly under the building, beneath the concrete floor and foundation network, were accessed utilizing portable pilot study equipment and design innovation.



All ground water generated during the eight day pilot study event was treated via a stainless steel air stripper unit and gravity fed into an on-site point of discharge. Due to site logistics and security, the stripper unit was housed within the dry cleaning building during operation.

Soil vapor emissions generated during the MPE and SVE portions of the pilot study, were passed through a granular activated carbon unit prior to atmospheric discharge.



Current Site Status: Full Scale Remedial Design