



HYDROGEOLOGICAL AND DPE PILOT STUDY ACTIVITIES

RETAIL GASOLINE STATION NORTH WEBSTER, INDIANA

Client: Private Consulting Firm

Contaminants: BTEX

Impacted Matrix: Soil and Ground Water

Scope of Work: Hydrogeological and dual phase extraction testing of an unconfined aquifer unit.

Project Specifics: SE SCIENCES was contracted to provide conceptual design, facilitation, and operation of a 48-hour pilot study for various remedial technologies which included: aquifer pump test and dual-phase extraction (DPE).

Pilot study activities generated the following site specific technology evaluation criteria: hydraulic conductivity values, transmissivity values, storativity values, air flow rates, vacuum levels, radius of capture, pore volume extraction vs. time trend, air emission discharge calculations.

Remedial testing efforts also detected an interpreted "hard-pan" stratum within the sub-surface sands formation previously undetected during site characterization activities.

Current Site Status:
Full Scale Remedial Design

