

Successful site investigation begins with the end objective in mind.

EnSafe's geologists, scientists, and engineers understand and drive toward the shortest path to an acceptable solution for contaminated properties. We employ the latest advances in both field data collection and environmental information management technologies to support early, efficient decision making. Our investigations are thorough, streamlined, and cost-effective with up-front project planning, site model conceptualization/refinement, and robust data quality objectives/evaluation. We have performed soil-gas, soil, sediment, surface water, surface/subsurface soil, and groundwater investigations at thousands of sites in our 38+ year history, from small underground storage tank (UST) sites to large-scale National Priorities List/Superfund and Resources Conservation and Recovery Act (RCRA) Corrective Action sites.

creative thinking. custom solutions.

SITE INVESTIGATION TECHNIQUES

- Fiber Optic Chemical Sensors
- Gas Chromatography
- High-Resolution Site Characterization
- Infrared Spectroscopy
- Laser-induced Fluorescence
- Mass discharge and flux
- Mass Spectrometry
- Test Kits Supporting Field Analysis
- X-Ray Fluorescence
- Direct-Push Geotechnical Sensors
- Groundwater & Soil Gas Samplers
- Direct-Push Membrane Interface Probes
- Ground Penetrating Radar
- Magnetics for Environmental Applications
- Ultra Violet-Differential Optical Absorption Spectroscopy

COMPUTER MODELING

EnSafe applies numerous computer modeling techniques as tools in characterizing site contaminants and predicting their future movements and potential degradation. We also maintain an inventory of current models for provision of modeling services.

COMPUTER-AIDED DRAFTING & GEOGRAPHIC INFORMATION SYSTEMS

EnSafe follows the Tri-Service Spatial Data Standards developed by the military for the use of Computer-Aided Drafting (CAD) and Geographic Information Systems (GIS). EnSafe has workstations that support both AutoCAD and Microstation. EnSafe is also observing the Federal Geographic Data Committee recommendations and the National Mapping accuracy standards. EnSafe's staff includes senior land development/CAD designers and technicians.

SURVEYING & MAPPING

EnSafe's GIS Division utilizes technology for field data migration and GIS mapping through the ESRI Software suite and can integrate a multitude of datasets into map and database submittals (e.g., utilities, public works, property parcels, topographic/geologic data). Our geophysical survey implementation and oversight data incorporates with other survey or GIS data for final map productions.

- Comprehensive project management/ controls solutions
- Brownfields redevelopment support
- Multi-Potentially Responsible Party Superfund support
- Community Relations Assistance
- RCRA Corrective Action support
- UST sites
- Groundwater studies (fate/ transport & modeling)
- Geophysical solutions (borehole & surface)
- Geographic Information System solutions & mapping
- EQuIS data management/ reporting
- Vapor-intrusion studies
- Statistically based data collection programs
- Human health/ecological risk assessments

Contact Us

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