

Tank Management from A to Z

EnSafe Inc. has the experience and capabilities to provide services in all phases of underground storage tank (UST) and aboveground storage tank (AST) management, from site characterization and remediation, especially in relation to petroleum and solvent USTs/ASTs, as well as the development of tank management programs, including spill prevention, control, and countermeasures (SPCC) planning to Integrated Contingency Plans and Facility Response Plans, spill drills, and training under the Oil Pollution Act of 1990 (OPA 90).

FREE-PHASE RECOVERY

Rapid response to AST/UST releases is integral to minimizing long-term remediation costs and EnSafe commonly collaborates with local contractors to minimize delays and quickly stabilize the release. EnSafe is currently managing a fuel release associated with a hotel's emergency generator tank, which poses a risk to a nearby wetland. Through a combination of an emergency response soil removal and an expedited assessment of the free-phase extent in groundwater, a multi-modal free-product recovery system (low-pressure vapor extraction, dual-phase extraction, skimmers, petroleum traps, and manual bailing) was established to prevent offsite migration of the fuel release. Approximately 280 gallons of diesel fuel have been recovered with nearly all wells exhibiting only a sheen on groundwater today. The rapid response lessened the potential impact to the nearby wetland as evidenced in dissolved diesel-phase constituents being local only to the spill area. Through rapid investigative and remedial response and understanding free-product behavior, EnSafe is able to optimize free product recovery and groundwater remediation costs associated with fuel releases.

UST/AST INVESTIGATION & REMEDIATION

EnSafe has significant experience in managing the assessment, design, and remediation for contaminated sites, including those where the source of contamination is a UST/AST system. This experience has allowed our staff to successfully execute all phases of UST/AST site investigation and remediation management, including initial site characterization, environmental assessment, development of corrective action plans, design of remediation systems, installation and maintenance of remediation equipment, and preparation of monitoring reports and site-specific standard requests. In addition, EnSafe has extensive experience in writing permit applications, negotiating with regulators for air and water permits, often required for remediation systems. EnSafe has successfully managed many UST and AST sites from assessment to closure using a combination of innovative investigative tools (i.e., soil gas, membrane interface probes) which is key to site characterization and successful site remediation.

creative thinking. custom solutions.

Professional geologists with registrations in multiple states
Hydrogeologists
Professional engineers with registrations in multiple states
Compliance specialists
Corrective Action Project Managers (Texas Leaking Petroleum Storage Tank program)

Innovative Technologies

Monitored natural attenuation
Solidification/stabilization/fixation
Soil vapor extraction (SVE)
Bioremediation
Air sparging
Groundwater containment
Groundwater pump and treat
Air stripping and carbon absorption
Low-temperature thermal desorption
Soil excavation, treatment, and disposal
Enhanced in situ degradation (anaerobic/aerobic sequencing)
Chemical oxidation
Funnel-and-gate technology
Permeable reactive barrier

Contact Us

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WALK-THROUGH INSPECTIONS (MONTHLY OR ANNUAL)

Option 1: Inspection Program Management

Create an inspection schedule for sites in program

Will utilize pre-determined contractor to complete inspections

Will review inspections

Will follow up with pre-determined protocols on issues found in inspections (i.e. notify compliance manager or issue WO directly)

Save documents

Potential Add-on: Set up SharePoint for data management

Potential Add-on: Option 3

Option 2: Complete Inspection Program Management (Monthly or Annual)

Create an inspection schedule for sites in program

EnSafe to complete onsite inspections

Will review inspections

Will follow up with pre-determined protocols on issues found in inspections (i.e. notify compliance manager or issue WO directly)

Save documents

Potential Add-on: Set up SharePoint for data management

Potential Add-on: Option 3

Option 3: Training and implementation of Walk-through Inspection Program

Create client specific inspection documents

Create schedule

Train on how to complete inspections

Potential Add-on: Set up SharePoint for data management

Will utilize pre-determined contractors to complete testing

Review results

Post to pre-determined locations (client site, state, etc.)

Potential Add-on: Set up SharePoint for data management

Option 2: Testing Results Management

Track pre-determined testing schedule

Review forms/results

Post to pre-determined locations (client site, state, etc.)

Potential Add-on: Set up SharePoint for data management

NEW INSTALL SUPPORT

Option 1: Testing and Documentation Management

Site visit to document install before concrete is placed.

Coordinate with installer to determine correct list of testing documents required.

Review testing forms for accuracy

Complete UST Registration Form

Submit testing/registration forms to state agency

Save documents

Potential Add-on: Option 2

Potential Add-on: Option 3

Option 2: ASTM Phase I ESA

Potential Add-on: Option 3

Option 3: Geophysical Site Characterization

Potential Add-on: Option 2

ACQUISITION SUPPORT

Option 1: ASTM Phase I ESA

Option 2: Baseline UST System Inspection

Site visit to physically review system components

Regulatory Review

Option 3: Acquisition Data Management Services

Create a third party maintained site (SharePoint) where all the stakeholders (buyer and seller) can provide/receive site documentation, update timelines, and track due diligence issues.

FULL UST COMPLIANCE PROGRAM MANAGEMENT

Harvest and review Monthly Release Detection

Frequent alarm checks and response SRR notification and follow-up

Complete and submit Records Requests Testing – Scheduling/Review/Post/Saving

Walk-through Inspections – Scheduling/Completion/Reporting/Review/Saving WO/SRR Tracking

Program Metrics

Invoice and Issue closure documentation

Coordination and interaction with regulators

Coordination and interaction with store staff

Operator Training – Tracking/Training/Saving

Act as Primary Designated Compliance Manager

UST COMPLIANCE PROGRAM AUDITS

Review entire compliance program to identify efficiencies and programmatic changes needed to stay in compliance

Provide tools and tips for creating or maintaining an efficient compliance program

Work with existing compliance managers to stay on top of changing regulations.

Identify weaknesses in a compliance program

Identify strengths in a compliance program

TESTING PROGRAM MANAGEMENT (ANNUAL TESTING, EQUIPMENT TESTING)

Option 1: Full Testing Program Management

Create testing schedule