

Environmental Services

PSI is a full-service environmental consulting firm. We believe that no other environmental firm offers the diversity of services, depth of resources, and geographic coverage of PSI. A general summary of services we provide is as follows:

Phase I Environmental Site Assessments

- ASTM 1527-00 Phase I ESA
- ASTM Transaction Screening



Phase II and III Environmental Site Assessments

- Source Identification
- Characterization of Unknown Materials
- Soil/Groundwater Sampling and Analysis
- Installation of Monitoring Wells



Site Characterization/Soil and Groundwater Studies

- Soil Vapor Surveys
- Installation of Monitoring Wells
- Soil/Groundwater Sampling and Analysis
- Estimation of Aquifer Characteristics
- Contaminant Source Identification
- Fate and Transport Modeling



Remedial Design

- Remedial Investigation/Feasibility Studies
- Remedial Action Plans
- Risk Assessment

Remedial Action

- Preparation of Specifications
- Oversight
- Contractor Selection Assistance
- Removal, Disposal, and Treatment of Contaminated Soil and Groundwater
- Operation and Maintenance of Soil/Groundwater Treatment Systems
- In-Situ Remediation



Underground Storage Tank (UST) Management

- Upgrade Alternative Evaluation/Cost Analysis
- UST/AST Design
- Preparation of Specifications/Bidding Documents
- Contractor Selection Assistance
- Installation/Removal Oversight
- UST Closure Sampling/Closure Reports



Wetlands Surveys

- Wetland Delineation
- Wetland Mitigation Plans
- Mitigation Monitoring
- Permit Application Preparation



Surface/Groundwater Services

- Surface Water Sampling and Analysis
- Drinking Water Sampling and Analysis
- Wastewater Sampling and Analysis
- Stormwater Consulting
- Stormwater Pollution Prevention Plans (SWPPP)

Industrial Hygiene Services

PSI also provides comprehensive environmental health and safety evaluations in commercial and industrial settings. We have worked with large-scale clients in both the private and public sectors to provide safe, healthy working and living environments.

Indoor Air Quality

- Facility Surveys
- HVAC Assessment
- Air Quality Investigations for Mold/Yeast Bacteria
- Air Quality/Biological Sampling
- Preventive Maintenance Plans
- Air Monitoring Background Environmental and Clearance

Asbestos Management and Consulting Services

- Facility Surveys
- Operations and Maintenance Plans
- Cost Estimates
- Asbestos Abatement Design Specifications
- Asbestos Abatement Oversight
- Air Monitoring Final Clearance Sampling



**NPDES Permitting
Regulatory Compliance**

- SARA Title III Compliance Assistance
- Compliance Auditing
- Employee Training Programs
- Waste Characterization and Disposal
- RCRA Part B Permitting
- Chemical Inventory/Release Reporting
- Hazard Communication Programs
- Air sampling/compliance Assessments
- Preparation of Spill Prevention Control and Countermeasures (SPCC) Plans
- Permitting



Lead Based Paint Consulting Services

- Lead-Based Paint Surveys
- Abatement Design and Specifications
- Abatement Oversight
- Air Monitoring
- Final Clearance Sampling



Environmental Health and Safety

- Occupational Exposure Assessments
- Noise Surveys
- Confined Space Testing



Environmental Drilling



Soil borings and monitoring wells are the primary means of defining the subsurface characteristics necessary to evaluate the extent of environmental contamination from such sources as leaking underground storage tanks, landfills and dumps, and unlined ponds or pits. Soil borings help define the geologic setting and provide the means of collecting subsurface soil samples. Monitoring wells provide the equivalent hydrogeologic and groundwater quality data. These activities have become a large part of PSI's drilling services. Environmental drilling is significantly different from other drilling activities, requiring specialized equipment and additional education and training of the PSI drilling crews to familiarize them with requirements for working in an environment that might be contaminated with hazardous or toxic wastes. Some specific differences include requirements for:

- OSHA 40-Hour Health and Safety Training
- Equipment Decontamination
- Field Screening of Soil Samples by PID or FID
- Well Installation

Drilling crews are prepared to recognize the appearance of free product during drilling activities and to deal with this material on site. They are trained to install wells and screens meeting client requirements. Monitoring wells ranging in size from two to eight-inch diameter and depths varying from near surface to 1,000 feet have been installed by our firm throughout the country. The installation crews are thoroughly familiar with monitoring well installation procedures and are generally under the supervision of an engineer or geologist. They work with PSI scientists from the initial decontamination of the equipment through the analysis of the subsurface data. Our offices have licensed well drillers as required by law. Together the PSI teams can provide:

- Aquifer Testing
- Soil and Groundwater Sampling
- Soil Borings
- Chemical Analysis
- Well Installation and Development
- Contamination Assessment



With this data, PSI engineers and geologists are prepared to provide regulatory assistance, site remediation or any of a myriad of professional services necessary for the success of your project.