

Why is EnSafe superior when it comes to designing effective solid waste management programs? Because 1) we are experienced in interpreting and applying solid waste regulations; 2) we stay informed of proposed changes to regulations and their impact on the regulated community; 3) we adapt our solutions to incorporate current technological advances and new alternatives in waste disposal. EnSafe provides groundwater assessment services to identify the potential for groundwater contamination, evaluation and remediation of known groundwater contamination, and implementation of controls that can prevent or minimize future groundwater contamination. Groundwater work is often provided in conjunction with other EnSafe environmental services.

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## SOLID WASTE MANAGEMENT PROGRAMS

- Design and permitting of solid waste disposal sites including conventional landfill, balefill, demolition landfill, industrial hazardous waste, and ash disposal
- Identification and feasibility analysis of potential solid waste disposal sites
- Geologic and hydrogeologic suitability assessment for proposed solid waste disposal sites
- Characterization of the groundwater regime through aquifer testing and data interpretation
- Groundwater monitoring programs
- Soil testing; well installation, sampling and analysis of groundwater, surface water and air, geophysical investigation and site mapping
- Solid waste minimization, recycling, and reuse and exchange programs
- Identification, characterization, and quantification of solid waste streams
- Determination of hazardous vs. non-hazardous waste status
- Gas collection, treatment and disposal
- Landfill closure design, bidding, and construction services
- Leachate collection, treatment and disposal

## LANDFILL PERMITTING

Nearly all solid waste landfill projects involve permitting issues at some level. Through EnSafe's varied experience, we have assisted clients with the following permitting issues:

- Permit applications for new landfill siting involving landfills of various types, demolition, sanitary, industrial, and special
- National Environmental Policy Act studies
- Wetland determinations and mitigation design
- Permit expansion/modification applications and negotiations
- Permit non-compliance or enforcement coordination and negotiation
- Environmental impact evaluations
- Permit closure documentation and negotiation
- Landfill air pollution permitting

- Development of new cells including quality assurance of liner installation and compliance with design slopes, etc.
- Annual check on fill elevations and calculations of remaining air-space
- Operations Plans providing general guidelines for landfill operations
- Determination of hazardous vs. non-hazardous status
- Waste minimization, recycle, and reuse/exchange programs
- Establishment of "Contingency Plans" to expeditiously mitigate hazards during a hazardous waste emergency
- Development of Spill Prevention, Control, and Countermeasure (SPCC) plans and Storm Water Pollution Prevention Plans.
- Annual reporting to regulatory agencies
- Best management practices for erosion control
- Gas/groundwater investigation, monitoring and record-keeping
- Leachate management
- Odor control management
- Alternative cover material evaluation
- Occupational Safety and Health Administration compliance and training
- Industrial hygiene evaluation and assistance
- Waste material evaluation and profile for disposal
- Assisting owner with solicitation and evaluation of contract operators

## Contact Us

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