



## ENVIRONMENTAL ENGINEERING AND REMEDIATION SERVICES

Atlantic Design Engineers, Inc. is a full service environmental engineering and sciences company whose expertise in hazardous materials/waste includes:

- ◆ Licensed Site Professional (LSP) Services
- ◆ Environmental Site Assessments for Property Transfers
- ◆ Subsurface Soils and Hydrogeological Analyses
- ◆ Soil Vapor Gas Surveys
- ◆ Groundwater and Soil Remediation System Design, Installation, & Operation
- ◆ Environmental Audits for Commercial and Industrial Activities
- ◆ Underground Storage Tank Testing, Removal, and Installation
- ◆ RCRA/EPCRA Compliance Reviews and Audits
- ◆ Emergency Response Services
- ◆ Health and Safety Plans for Hazardous Waste Site Operations
- ◆ Litigation Support and Expert Testimony

Our environmental services are enhanced by our environmental engineering software programs and our state-of-the-art computer-assisted design and drafting system. Use of these tools allows us to readily complete the groundwater modeling, remedial design calculations, and technical drawings integral to hazardous materials/waste projects. Our staff of professionals is dedicated to developing innovative solutions and providing the highest quality technical services to our clients.



## **REPRESENTATIVE PROJECTS**

The following assignments are representative of Atlantic Design Engineers, Inc. services in the hazardous materials field.

### **Licensed Site Professional Services**

Atlantic Design Engineers, Inc. offers Licensed Site Professional services to ensure that the work is completed in accordance with the Massachusetts Contingency Plan (MCP). We have the technical knowledge and experience to define and remediate existing problems, meet regulatory criteria, implement management plans and use treatment technologies that work. Our LSPs on staff are fully qualified to provide our Clients with the wide range of services needed to fulfill the requirements of the MCP.

### **Environmental Site Assessments**

Environmental Site Assessments, subsurface soils investigations, hydrogeological studies and soil vapor gas surveys have been conducted on over 300 sites in the New England Region. These studies have been prepared to determine potential environmental liability, contaminant levels in soils and groundwater and to evaluate potential impacts on environmentally sensitive areas such as public drinking wells, aquifers, endangered species habitat, etc. Services provided include data research, installation of borings and monitoring wells, soil and groundwater sampling and analysis and review of site conditions relative to applicable federal and state regulations.

### **Groundwater and Soil Remediation Design, Installation, & Maintenance**

Once the nature and extent of contamination of soil, air and groundwater is identified, remedial design alternatives are reviewed in terms of both effectiveness and cost to implement. Clean-up options are reviewed based upon required clean up levels, technical efficiencies, long term liabilities, and overall costs. The remedial plan is submitted for regulatory approval and, once approved in concept, detailed plans and specifications (performance standards) are prepared for the clean-up. Our services include remedial system installation, operation and maintenance.

Remedial measures we have used at sites include: soils excavation and disposal; low temperature thermal desorption; soil vapor extraction; asphalt encapsulation; bio-remediation; on-site groundwater pumping and treatment such as dual phase extraction, air stripping, carbon treatment and oil water separation; and, other physical/chemical or biological treatment processes.

Our knowledge of the regulatory process helps ensure that work is conducted in a successful manner. Our start-to-finish capabilities in site assessment, remedial design, installation of remedial measures and operations and maintenance save our clients time and money.



**SELECT CLIENTS**

A.D. Makepeace Company.....	Wareham, MA
Arthur D. Little, Inc. ....	Cambridge, MA
Bank of Boston .....	Yarmouthport, MA
Berkshire Bank .....	Pittsfield, MA
Browning-Ferris Industries, Inc.....	Brighton, MA
Canal Electric Company .....	Sandwich, MA
Canal Fuel Company.....	Sagamore, MA
Cape Cod Bank & Trust Company .....	Hyannis, MA
Cape Cod Five Cents Savings Bank.....	Orleans, MA
Cape Cod & Islands Board of Realtors.....	W. Yarmouth, MA
Cape Cod Regional Transit Authority .....	Dennis, MA
Citizens Bank .....	Lincoln, RI
ConServ Group.....	Sagamore Beach, MA
Davol Inc. ....	Cranston, RI
Falmouth Cooperative Bank.....	Falmouth, MA
Hood Companies .....	Uxbridge, MA
Hoyt Manufacturing Corporation .....	Westport, MA
HNTB. ....	Boston, MA
Hyannis Marina.....	Hyannis, MA
Jacobs Engineering Group, Inc. ....	Otis ANGB, MA
Kingman Marina, Inc. ....	Cataumet, MA
Kingston Oil and Gas, Inc.....	Kingston, MA
Kingston, Town of.....	Kingston, MA
Laham Management Corporation .....	Sandwich, MA
Lakeville, Town of .....	Lakeville, MA
Massachusetts Maritime Academy.....	Buzzards Bay, MA
Marty's GMC.....	Plymouth, MA
Mirant Canal.....	Sandwich, MA
Miskinis Motors .....	Hyannis, MA
Mass Bay Associates Realtors.....	Marshfield, MA
Mulligan Company.....	Plymouth, MA
Nantucket Bank.....	Nantucket, MA
New Bedford, City of .....	New Bedford, MA
New England Golf Cars .....	Seekonk, MA
New Seabury Corporation .....	New Seabury, MA
OHI Engineering, Inc. ....	Mansfield, MA



P.A. Landers, Inc. ....	Hanover, MA
Plymouth & Brockton Bus Company.....	Plymouth, MA
Plymouth Savings Bank.....	Plymouth, MA
The Pyramid Companies .....	Kingston, MA
Rockland Trust Company.....	Rockland, MA
Salem Five Cent Savings Bank.....	Raynham, MA
Sandwich Community School.....	Sandwich, MA
Sandwich Cooperative Savings Bank .....	Sandwich, MA
South Shore Housing Authority.....	Kingston, MA
South Shore National Bank, Cape Cod Region .....	Falmouth, MA
Tedeschi Food Shops .....	Rockland, MA
Taunton, City of.....	Taunton, MA
The Realty Advisory, Inc. ....	Osterville, MA
Vital Med. Inc. ....	Lakeville, MA
Well Built Homes.....	Fall River, MA
Weymouth Bank.....	Weymouth, MA
Weymouth, Town of .....	Weymouth, MA
Woods Hole, Martha's Vineyard & Nantucket Steamship Authority .....	Woods Hole, MA

**REFERENCES**

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