



Atlantic Design Engineers, Inc.

P.O. Box 1051

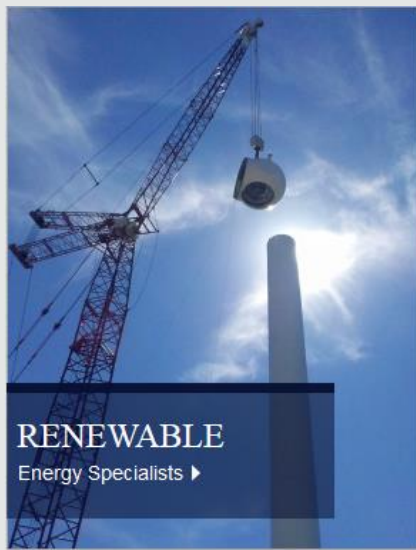
Sandwich, MA 02563

Atlantic's mission is to provide
the highest level of engineering and
environmental services possible to achieve
Successful outcomes for our clients

*Enclosed please find a personalized set of qualifications regarding
Atlantic's environmental expertise.*



CIVIL
Engineering ▶



RENEWABLE
Energy Specialists ▶



ENVIRONMENTAL
Consulting & Management ▶



Qualifications

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

- ◆ Licensed Site Professional (LSP) Services
- ◆ Environmental Site Assessments for Property Transfers
- ◆ Subsurface Soils and Hydrogeological Analyses
- ◆ Management of Impacted Soils and Associated MCP Testing Services
- ◆ Installation of Monitoring Wells & Testing of Groundwater
- ◆ 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



Atlantic's environmental services focus on site investigation and due diligence, site remediation and regulatory compliance. Our core focus is to balance environmental responsiveness and sound technical solutions with our client's business interests. We are committed to consistently adapting to best address the continual regulatory and technological changes in the environmental profession.



Representative Projects

Emergency Response Services

Professional services are provided at emergency responses to gasoline, oil and chemical spills. Licensed Site Professionals direct the clean-up activities to ensure that the work is conducted in accordance with applicable state and federal regulations, is suitable for the protection of public health, safety and welfare and is completed in an efficient and cost-effective manner. We have responded to spills involving off-loading of #6 fuel-oil from ocean going tankers to a major storage and power generating facility, chemical spills at industrial plants, as well as numerous releases/spills of gasoline and fuel oil.



Licensed Site Professional Services

LSPs handle Massachusetts Contingency Plan (MCP) compliance and Mass DEP regulatory requirements. These responsibilities include impacted soils and groundwater management, site assessments, Immediate Response Actions and Release Abatement Measures as well as any associated MCP regulatory reports. Simon Thomas is fully qualified to provide our Clients with the wide range of services needed to fulfill the requirements of the MCP.

Phase I & II Environmental Site Assessments

Per ASTM 1528-13 Guidelines Atlantic has performed Environmental Site Assessments, subsurface soils investigations, hydrogeological studies and soil vapor gas surveys on over 300 sites in the New England Region.

Services provided include:

- ◆ Site inspection
- ◆ Historical records research and town records review
- ◆ Federal, State and local environmental records review
- ◆ Coordination & management of monitoring well installations
- ◆ Soil and groundwater sampling and analysis
- ◆ Review of site conditions relative to applicable federal and state regulations.
- ◆ Review and assessment of site specific Environmental Data Resources™ Radius Map Report
- ◆ Final report preparation including narrative, figures and associated supporting appendices

Groundwater and Soil Remediation Design, Installation and 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. Once a feasible method is determined, a formal regulatory remedial plan is submitted and, accordingly, 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 techniques such as dual phase extraction
- ◆ Air stripping
- ◆ Carbon treatment and oil water separation



Our start-to-finish capabilities in site assessment, remedial design, installation of remedial measures and operations and maintenance save our clients time and money.

Professional Experience

Simon B Thomas P.E., LSP
Project Manager
Principal

Environmental Expertise

Mr. Thomas has over twenty five years of professional experience in environmental engineering. This experience includes feasibility studies, hazardous waste site evaluations and remediation, air quality engineering and selection/design of air emissions control systems, air quality modelling and permitting, sanitary and secure landfill design, water and wastewater treatment plant design, hydrogeological investigations and preparation of Environmental Impact Reports.

Renewable Energy Experience

Mr. Thomas has professional experience in over twenty five years of renewable energy development. His renewable energy experience includes wind resource and solar energy evaluation, turbine micro-siting, financial analyses, site design, visual impact assessment, environmental site assessments, permitting documents, preparation of wind turbine construction plans, and design and permitting of waste-to-energy facilities. Mr. Thomas is actively involved in the assessment and development/permitting phases of numerous wind turbine and solar energy projects throughout the New England region.

Key aspects of project responsibilities range from initial feasibility investigations to construction planning, and include: wind resource evaluations, site specific turbine evaluation and selection, turbine siting, energy production modeling, FAA Determinations of Hazard filings, regulatory and permitting reviews, balloon tests, wind turbine photosimulations, turbine project cost estimations, project economic analysis and financial paybacks/rates of return.

Civil Engineering

Mr. Thomas has over twenty five years of professional experience in environmental and civil engineering. He has extensive experience in site development, hydraulics, hydrology, site grading and drainage, roadway design, dam inspections, traffic engineering, environmental assessment, permitting, and cost estimation.

Education

Northeastern University - BS - Civil Engineering (1979)
Polytechnic Institute of New York - MS - Civil Engineering (1983)

Registrations

P.E. - 1984 - New York
P.E. - 1987 - Rhode Island
P.E. - 2000 - Maine
P.E. - 2002 - New Hampshire
Licensed Site Professional - 1995 - Massachusetts

Contact

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