



# ATLANTIC TESTING LABORATORIES



WBE certified company

## Seminars

Each seminar is one-hour and is typically given at your office. All seminars are approved for one Professional Development Hour (PDH) for PEs in attendance. For architects, we issue a certificate of course completion to be processed with the American Institute of Architects (AIA) to receive a learning unit (LU).

### Geotechnical

#### Geology for Engineers: Geologic Hazards I

This presentation provides geologic insight into some common engineering hazards associated with expansive soils, toxic soils, faults, liquefaction, karst, and rock properties and how to identify and prepare for them.

#### Geology for Engineers: Geologic Hazards II

This presentation provides geologic insight into some common engineering hazards associated with water and how to identify and prepare for them.

#### Execution of a Subsurface Investigation Program

This presentation focuses on the execution of a subsurface investigation program from start to finish; beginning with proposed project information, explores topics such as site history and geology, determining information that will be obtained during field and laboratory operations, foundation recommendation and design reporting, and evaluating construction monitoring.

#### Subsurface Investigation and Geotechnical Evaluation

This presentation focuses on boring log and subsurface investigation methodologies; basic understanding of how data is obtained, soil classifications, engineering properties of soil, and bearing capacities.

#### Role of Laboratory Testing in Geotechnical Engineering

This presentation discusses the typically geotechnical laboratory tests performed on soil samples for foundation evaluations in New York State. The typical index and performance tests will be presented along with the role geotechnical engineer of record in the laboratory testing program.

#### Case Studies in Difficult Access For Subsurface Investigation Projects

A presentation on overcoming the challenges associated with accessing difficult subsurface investigation locations safely and efficiently. The presentation will focus on Tidal water, deep water, side slopes, spillways, swampy areas, and inside building locations.

#### Pile Testing

This presentation will explain how to better understand how and why pile testing is performed. Considerations when specifying pile tests, and what to expect from the test results.

#### Engineering Challenges with Problem Soils in New York

This presentation addresses difficult soil conditions found across New York expansive soils, varved silts and clays, marine clays, karst features, solutional features, and pyritic shales. Typical engineering solutions for these soils will be presented.