



Competent Person Training: Excavation and Trenching

Thursday, June 22, 2023

Highway Department

28 North Street, Westford, MA 01886

8:00 a.m.- 3:00 p.m. Registration 7:30 a.m.

Limited to 25 participants

(Light lunch provided)

[Register here](#)



OSHA requires a competent person to perform soil analyses and determine the protective system to be used in excavations. Daily inspections are also required. Inspection personnel must be trained in the OSHA regulations. This seminar will present key trenching/excavation topics: soil analysis, protective systems (sloping, shoring, shielding), hazardous atmospheres, excavation site safety, and hazard recognition.

Target audience: Managers and supervisors, working foremen/crew leaders and field personnel including equipment operators and other front-line staff.

This training qualifies the MIIA member for 1% credit under the FY24 MIIA Rewards Program under the Workers Compensation category

Agenda

8:00-9:00 AM

- Definitions
- Surface Encumbrances
- Underground Installations
- Access & Egress
- Exposure to Falling Loads
- Warning System for Mobile Equipment

9:00-9:15 AM- Break

9:15-10:00 AM

- Hazardous Atmospheres
- Protection from Hazards Associated With Water Accumulation
- Stability of Adjacent Structures
- Protection of Employees from Loose Rock or Soil Inspections
- Fall Protection

10:00-10:15 AM- Break

10:15-11:30 AM

- Requirements for Protective Systems
- Protection of Employees in Excavations
- Design of Sloping & Benching Systems
- Design of Support Systems, Shelf Systems & Other Protective Systems
- Materials & Equipment
- Installation & Removal of Support Systems

ABOUT THE PRESENTER

David Boone has been a member of the New England Water Works Association (NEWWA) faculty for the past eight years and also serves on the University of Texas, Arlington Faculty. He has extensive experience in all facets of safety and heavy equipment operator training and is a veteran of the U.S. Navy Seabees.

David holds a wide range of professional licenses and certifications including OSHA Safety, Health, and Environmental Professional (SHEP). He also has extensive experience in training public sector professionals and extensive work experience in the construction industry.

Ted Kenney, Education Advisor/Special Projects Manager of the New England Water Works Association, will also assist in the training.

11:30-12:30 PM Lunch

12:30-1:30 PM

- Sloping & Benching Systems
- Shield Systems

1:30-1:45 PM-Break

1:45-3:00 PM

- Appendix A- Soil Classification
- Appendix B-Sloping & Benching
- Appendix C- Timber Shoring For Trenches
- Appendix D- Aluminum Hydraulic Shoring For Trenches
- Appendix E-Alternatives to Timber Shoring
- Appendix F- Selection of Protective Systems
- Policies & Procedures
- Summary/Question & Answer
- Written Assessment
- Course Evaluation/Adjourn

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