



# Course Syllabus – Trenching and Excavation

## Audience

All contractor employees needing to perform atmospheric testing and monitoring

## Presentation Method

CBT – Computer Based Training

## Training Duration

Student paced – Approximately 30 minutes

## Course Summary

Training will inform personnel of the hazards and mitigating techniques in trenches and excavations. Trainees will be able to demonstrate a basic understanding of soil types, protective systems, and hazards found at an excavation site.

## Subject Matter

- ❖ Difference between excavations and trenches
- ❖ Cave-ins
- ❖ Soil Classifications and Stability
- ❖ Soil Tests
- ❖ Signs of Soil Distress
- ❖ Protective Systems (Sloping, Shielding, Shoring, Benching)
- ❖ Hazardous atmospheres
- ❖ Physical and Environmental Hazards
- ❖ Ingress/Egress
- ❖ Inspections

## Objectives

Upon completion of training, employees will be able to:

1. Recognize hazards associated with trenches
2. Understand the basic protective systems for trenches; and
3. Understand the hazards and prevention measures for the activities associated with trenching and excavations

## Measurement Device

Test – 15 questions, 70% to pass