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