

Trenching Hazard Training



Construction work is dangerous-and work involving trenching and excavating activities tends to be the most hazardous in the industry. Yet, we see trenching and excavating work going on all around us. Excavations are needed for the installation and repair of utility lines, replacement of water and sewer lines, swimming pool construction, even grave digging. Excavation projects vary considerably, each with its own set of unique problems.

This 1/2 day program is primarily for firms that excavate deeper than 1.2 metres (4 ft.). Proper trenching operations are necessary to protect the workers from soil collapse. The basic trenching operations that help make a trench safe for workers are described and illustrated. The methods of shoring installation are also discussed briefly. This document is not intended to be used as a step-by-step guideline in the excavation process.

This program will benefit workers and supervisors. Emphasis is placed on identifying hazards, soil types, legislation, and emergency work.

Course Objectives

- To be able to identify trenching hazards
- To understand factors that can cause cave-ins
- To understand how force and resistance affect soil stability
- Identify controls and their functions
- Know safe work practices for trenching operations

Program Content

- Personal protective equipment
- Review of legislation
- Emergency work
- Determining soil types
- Approved shoring/trenching boxes
- Public safety
- Use of heavy equipment
- Locates
- Underground hazards
- Work area protection



Safety Services

- ◆ Traffic Control Person
- ◆ Traffic Control Program
- ◆ JHSC Certification Training
- ◆ Workplace Inspection / Accident Investigation
- ◆ Competent Supervisor
- ◆ Lockout / Tagout Energy Hazards
- ◆ Confined Space Attendant, Entry and Rescue

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On successfully passing the final evaluations the learner will receive a certificate of completion