



**RENEW SAFETY**

POWER PRODUCTION - CONSTRUCTION - INDUSTRIAL

# Trenching & Excavation Awareness

Participants learn how trenching and excavation work can create serious hazards during construction activities and how improper trench protection, unstable soil conditions, and unsafe work practices can lead to severe injuries or fatalities.



[WWW.RENEWSAFETY.COM](http://WWW.RENEWSAFETY.COM)

# OUR COURSE OVERVIEW

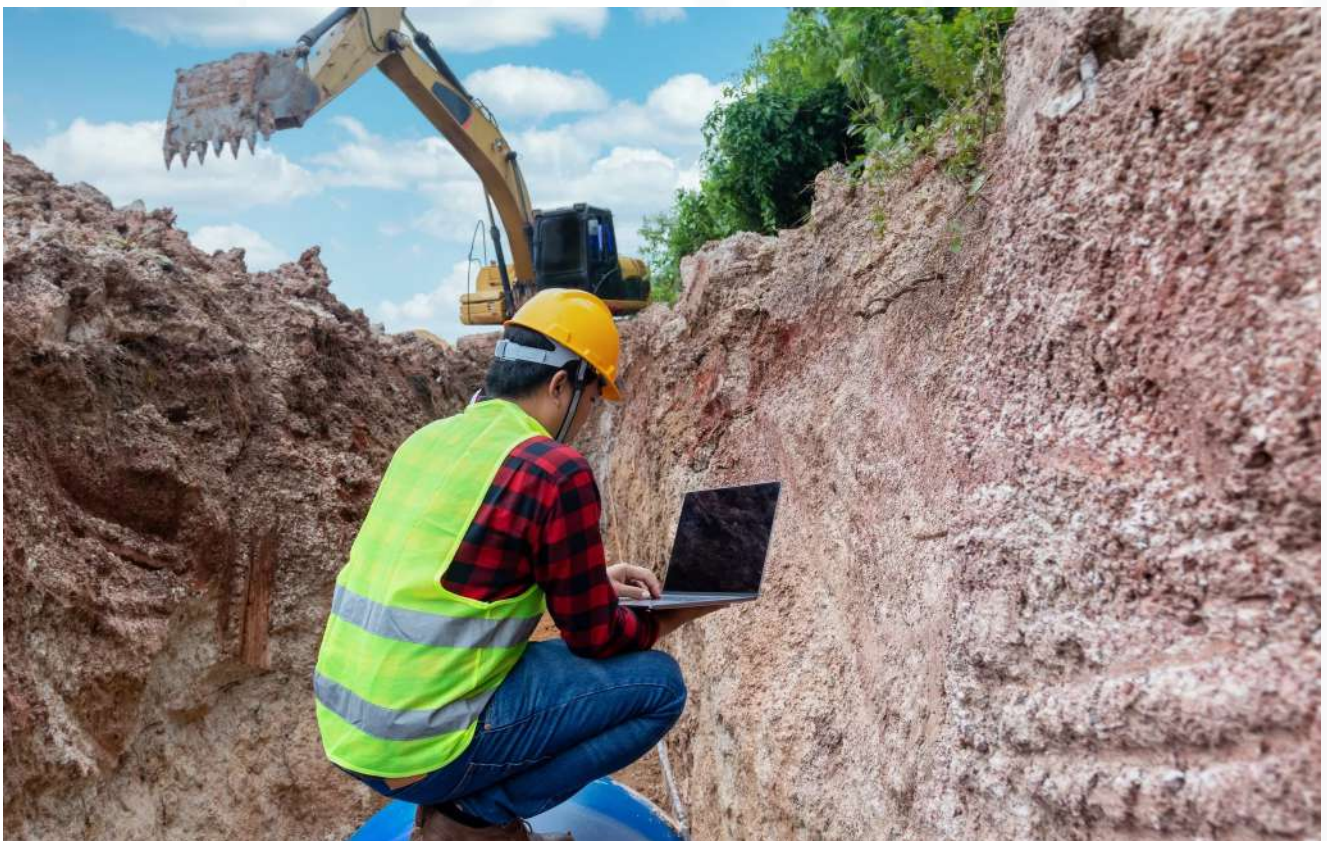
**This comprehensive course provides essential training for workers who perform trenching or excavation activities during construction, maintenance, and industrial work operations.**

Participants learn how trench collapses, falling loads, hazardous atmospheres, and equipment movement can create serious hazards when excavation sites are not properly planned, inspected, and protected.

Safety training is most effective when workers understand both excavation hazards and the procedures used to control them. This course combines trench safety knowledge with practical workplace guidance to help organizations maintain safe working conditions during excavation activities.

The course explains the procedures required for safe trenching operations, including recognizing soil conditions, identifying excavation hazards, using protective systems, and maintaining safe access and egress procedures.

Through practical instruction and workplace safety guidance, participants gain the knowledge required to recognize trenching hazards and apply procedures that support safe excavation practices on active job sites.



# KEY LEARNING OBJECTIVES

## What You Will Learn

- Identify common trenching and excavation hazards including cave-ins and falling loads.
- Recognize soil conditions and factors that affect trench stability.
- Understand worker responsibilities when working in or around trenches.
- Identify conditions that make trenches unsafe for worker entry.
- Understand proper trench inspection procedures before work begins.
- Recognize protective systems such as sloping, shoring, benching, and shielding.
- Understand safe access and egress procedures for trench work.

Together, these key learning objectives help participants recognize excavation hazards and apply procedures that support safe trenching work practices.



## Trenching Hazard Awareness

Participants learn how trenching operations can create serious hazards such as cave-ins, falling objects, hazardous atmospheres, and equipment incidents when excavations are not properly inspected or protected. Training focuses on identifying excavation hazards and preventing them.

## Excavation Safety Practices and Worker Responsibilities

The course explains the safe work practices required when working in trenches, including recognizing soil conditions, maintaining protective systems, and following safe access procedures that help reduce excavation-related injuries and workplace safety risks.

# COURSE DETAILS

## Prerequisites

No prior trenching safety training is required for this course. Participants should have a basic understanding of construction activities and workplace safety practices where trenching or excavation work may occur.

## Certification

Upon successful completion, participants receive a certificate of completion demonstrating training in trenching and excavation hazard awareness and safe work practices.

## Compliance

This course aligns with OSHA trenching and excavation safety requirements related to hazard awareness, trench protection systems, and worker responsibilities when working in excavation environments.

## Target Audience

This course is intended for construction workers, maintenance personnel, supervisors, equipment operators, and employees who perform or work near trenching and excavation activities in construction or industrial environments.



|              |     |
|--------------|-----|
| Course Code: | N/A |
| Format:      | N/A |
| Duration:    | N/A |

# WHY TAKE THIS COURSE?

## The Importance of Solar Energy Safety Training

- Trench collapses can occur suddenly and remain a leading cause of construction fatalities which can be avoided through proper training.
- Workers must recognize unstable soil conditions and excavation hazards before entering trenches.
- Protective systems help reduce cave-in risks and protect workers during trench operations from hazards.

Proper trench safety training helps workers recognize excavation hazards and apply procedures that reduce accidents during trenching activities.

## Preparing Teams for Excavation Hazard Awareness

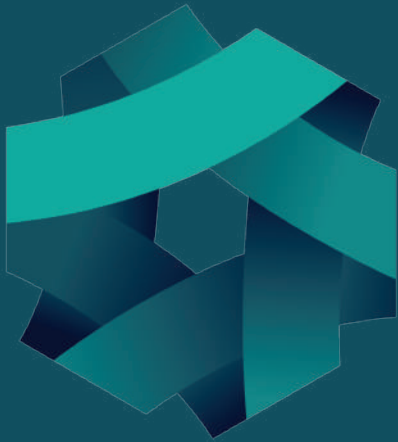
This course provides practical training that helps workers understand trench hazards, protective systems, and safe excavation work practices when working below ground level.

Training improves preparedness by ensuring workers understand trench inspection procedures, soil hazards, and workplace responsibilities when excavation work is performed.

## Supporting Safety Compliance

Trenching and excavation training helps organizations meet OSHA safety requirements related to excavation hazards and trench protection systems. Employers must ensure workers understand trench hazards, inspection procedures, and safe work practices before entering excavations.





# RENEW SAFETY

POWER PRODUCTION - CONSTRUCTION - INDUSTRIAL



[info@renewsafety.com](mailto:info@renewsafety.com)



(503) 849 2237

Contact us to learn more about  
course availability, group training,  
and customized fall rescue instruction.

**[WWW.RENEWSAFETY.COM](http://WWW.RENEWSAFETY.COM)**

