

Professional Rescue Innovations

Trench Rescue

PRI offers trench rescue training. This course will give responders hands-on training on trench rescue procedures and the content will adhere to NFPA 1006 and NFPA 1670. The purpose of this course is to explain basic strategies to safeguard responder's health and safety when dealing with potential dangers associated with trench collapse emergencies. Individuals will gain basic knowledge in trench procedures, new equipment, trench hazards, and proper patient packaging. This course allows responders to work together to understand the patient & needs. Remember we are there for the well being of our customer, the patient.

Cost

For information on course costs please contact us through our web site e-mail.

The hosting department is responsible for providing a classroom with TV and video player, and the ability to provide location for two trenches and a backhoe with operator.

Objectives:

Awareness

Size-up of existing and potential conditions.

Identification of the resources necessary to conduct safe and effective trench and excavation emergency operations.

Development and implementation of procedures for carrying out the emergency response system for trench and excavation emergency incidents.

Development and implementation of procedures for carrying out site control and scene management.

Recognition of general hazards associated with trench and excavation emergency incidents and the procedures necessary to mitigate these hazards within the general rescue area.

Recognition of typical trench and excavation collapse patterns, the reasons trenches and excavations collapse, and the potential for secondary collapse.

Development and implementation of making a rapid, non-entry extrication of non-injured or minimally injured victim(s).

Recognition of the unique hazards associated with the weight of soil and its associated entrapping characteristics.

Operation

Development and implementation of procedures to make an entry into a trench or excavation rescue area.

Recognition of unstable areas associated with trench and excavation emergencies and adjacent structures.

Development and implementation of procedures to identify probable victim locations and survivability.

Development and implementation of procedures for making the rescue area safe.

Development and implementation of procedures for initiating a one-call utility location service.

Identification of soil types using accepted visual or manual tests.

Development and implementation of procedures to ventilate the trench or excavation space.

Identification and recognition of a bell-bottom excavation (pier hole) and its associated unique hazards.

Development and implementation of procedures for placing ground pads and protecting the of a trench or excavation.

Development and implementation procedures to provide entry and egress paths for entry personnel.

Development and implementation procedures for conducting a pre-entry briefing.

Development and implementation procedures for record keeping and documentation during entry operation.

Development and implementation of procedures for implementing and utilization a rapid intervention team (RIT).

Development and implementation of procedures for the selection, utilization, and application of shield systems.

Development and implementation for the procedures for the selection, utilization, and application of sloping and benching systems.

Identification of the duties of panel teams, entry teams, and shoring teams.

Development and implementation of procedures for assessing the mechanism of entrapment and the method of victim removal.

Development and implementation of procedures for performing extrication.

Technician

Procedures for the identification, construction, application, limitations, and removal of manufactured protective systems using tabulated data and approved engineering practices.

Procedures to continuously, or at frequent intervals, monitor the atmosphere in all parts of the trench to be entered. This monitoring shall be done, in the following order, for oxygen content, flammability (LEL/LFL), and toxicity.

Procedures for identification, construction, application, limitations, and removal of supplemental sheeting and shoring systems designed to create approved protective systems.

Procedures for the adjustment of protective systems based on digging operations and environmental conditions.

Procedures for rigging and placement of isolation systems.