



# Permit Required Confined Space Work & Rescue For Commercial Ag. - 16 hr. Course Overview

[www.satrapros.com](http://www.satrapros.com)

(313) 415-4658

This class goes further in depth than the 8 Hour Confined Space Entry / Rescue class. It offers scenarios with increased technical complexity, patient packaging and patient packaging which are not covered in the 8 hour class.

## Who should attend:

Commercial agriculture employees who work in and around confined spaces (such as grain elevators)

There are NO pre-requisites for this class.

## Students will:

Become aware of the hazards of confined spaces, allowing them to keep themselves and coworkers safe.

Meet the OSHA training requirement for OSHA 1910.272 (Grain Handling Standard), qualifying them to work around flowing grains.

Actively participate in a live engulfment / rescue scenario in a controlled environment.

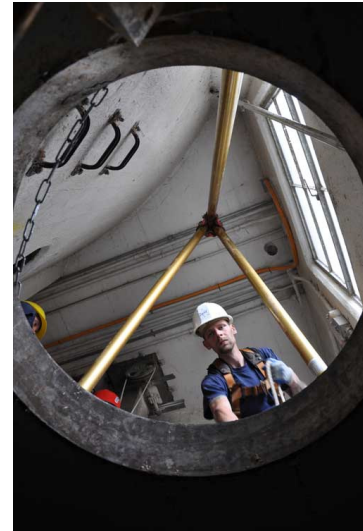
Learn how to identify and classify confined spaces.

Understand the roles of Supervisor, Attendant, and Entrant in a confined space entry team.

Be qualified to operate as part of a confined space rescue team.

Actively participate in hands-on exercises as part of a confined space entry team performing the roles of Supervisor, Attendant and Entrant.

Actively participate in hands-on exercises as part of a confined space rescue team.



## Standards This Class Meets

### OSHA:

1910.272 Grain Handling Standard

1910.146 Confined Space Standard

1910.147 Lock out, Tag out Standard

1910.38 Emergency Action Plans

### NFPA:

1670 Rescue Teams

1006 Technical Rescuer Qualifications

### ANSI:

Z359 Fall Protection Code

## Class Length & Structure

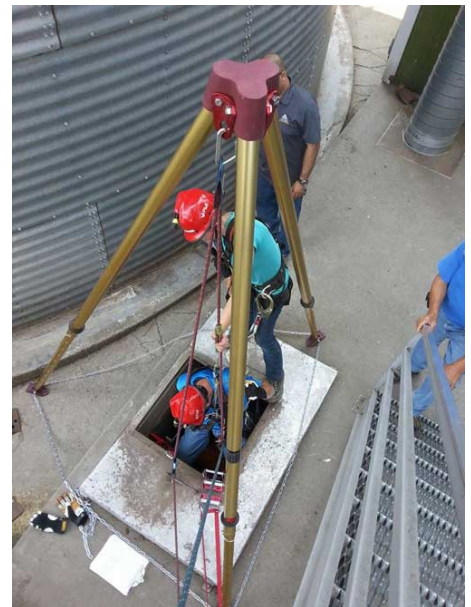
16 hours of training time (scheduled over 2 - 9 hour days)

- 4 hrs. Interactive Classroom Presentation and hands on activities
- 12 hrs. Hands-on Exercises (students are divided into groups and rotate between stations)
- 1 hr. Lunch Break each day

## Topics Covered

Classroom materials are presented through lecture, Power Point presentation and hands on activities. A strong emphasis is placed on safe work practices.

- Safe bin entry
- Detecting and mitigation atmospheric hazards
- Grain dust explosion considerations
- Lock out, tag out procedures
- Assembly and use of a bin entry life line
- Entrapment Hazards
- Selection of proper anchor points
- Roles of a bin entry team Entrant
- Roles of a bin entry team Attendant
- Roles of a bin entry team Supervisor
- Grain engulfment rescue
- Use of coffer dams
- Concepts of bin rescue
- Patient packaging & handling
- Confined space entry procedures
- OSHA regulations relating to confined spaces
- Training requirements
- The need for rescue services when making confined space entry
- Other hazards inside a confined space



## Topics Covered (continued)

- Air monitoring
- Communications during entries
- Equipment needed for entry and retrieval
- Fall protection, fall prevention and the difference between them
- Harnesses and their use and care
- Roles of a confined space team Entrant
- Roles of a confined space team Attendant
- Roles of a confined space team Supervisor
- Entries into boot pits, receiving pits, garner bins, wet tanks
- Patient removal from a confined space

## Hands-On Exercises

These exercises put into play all the safety practices taught during the classroom session. They are designed to be as real life as possible. Use of confined spaces on your site gives the students a sense of actual conditions and challenges they could encounter.

### Live Grain Engulfment / Rescue Simulation

Live engulfment training is done in a controlled environment. (SATRA's engulfment simulator)

Students, play the roles of a bin entrant and attendant. The entrant, wearing a harness and lifeline, enters the simulator. The entrant becomes the victim of a grain engulfment. A three student rescue team works together to free the victim from the entrapment using a Res-Q Tube.

The scenario is repeated several time with other participants filling the roles of victim and rescuers.

Every attendee has the opportunity to experience what it feels like to be the victim of a grain entrapment and act as a rescuer. This experience drives the point home that grain entrapments present a true danger and that entrapment prevention is essential.



### Confined space entry and exit scenarios

These exercises use a variety of confined space at your facility.

Students fill the roles of a confined space entry and rescue team.

They practice the use of proper equipment, complete an appropriate entry permit, monitor the space for hazards, document entry times, make entry, exit, and rescue of an incapacitated worker.

The scenario is repeated several times utilizing various spaces to add a degree of complexity and technical difficulty with each evolution.

Components taught during hands-on exercises:

- Harness use & inspection
- Tripod rigging
- Basic movements using a tripod
- Raising and lowering of entrants
- Atmospheric monitoring
- Hazard recognition
- Lock out, tag out
- Communications
- Challenges of moving a rescuer and victim through a confined space that may involve areas such as transitions, openings ladders, and cat walks.
- Patient packaging and handling



### Certification

Upon successful completion of this course students receive certification.

**Annual recertification is required.**





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## Equipment / Supplies Needed

**DO NOT purchase new equipment in preparation for training.**

Information provided during training will allow you to make informed purchasing decisions, get hands-on time with the products you are considering, and get the most from your equipment budget.

### Students:

- Any protective clothing or equipment that is normally required by the facility being used for hands-on exercises.
- If the facility does not dictate protective equipment, we suggest clothing that covers your legs and work boots. Unless dictated by the facility work boots do not need to be steel reinforced.
- Flashlight- suggested
- Hard hat- suggested
- Gloves- suggested
- Students are encourage to bring their harnesses for evaluation for fit form and function.

### Facility:

- Classroom space & seating for students. Classroom areas that have electrical power, projector and screen available are preferred, but not necessary.  
*Suggested locations: church, community center, fire department apparatus bay, high school auditorium.*
- Access to a facility with various confined space area to be used for hands on exercises.  
*Suggested locations: water treatment plants, commercial facility, industrial machine or equipment space*

### SATRA Provides:

- All classroom materials
- All ropes, harnesses and ancillary equipment for hands-on exercises.
- An appropriate number of instructors to ensure safe practices during the live simulation.



To learn more or  
schedule a class  
call (313) 415-4658  
email [bharp@satra.us](mailto:bharp@satra.us)