

Hands-On

# Confined Space Training Based On OSHA Standards for Permit Required and or Non Permit Required Standard 29 C.F.R. Part 1910.146



## Course Description

This 2-day Hands-On course is geared to all personnel entering manhole(s) and/or a confined space for installation, repair, maintenance and/or any other service(s). This extensive course is designed to meet the new federal regulation 29 C.F.R. Part 1910.146 and to educate workers on the serious nature of manhole(s) and/or any confined space entries based on OSHA standards.

The hazards, permits, entry procedures, equipment, monitoring steps and rescue considerations necessary to safely perform an entry are covered. BTS insures that this training will have a lasting impact on all attendees and will focus on safe work practices and proper use of safety equipment to respect hazards associated with manhole(s) and/or any confined space entry.

This course will provide the information and practical Hands-On Real-World Experience that is needed for Confined Space Entry Safety and Operations Certification.



## Students Will Learn

- **Safety**
- **PPE (Personal Protective Equipment)**
- **To Evaluate Confined Space**
- **How to Determine Permit or Non-Permit Required**
- **To Use Gas Monitoring Equipment**
- **How to Fill Out and Understand Permits**
- **How to Identify Proper Equipment and Tools Required for Confined Space**
- **How to Properly Use the Equipment**
- **Proper Cable Pulling Techniques**
- **How to Safely/Hazards Enter and Exist**

- **How to Maintain Employer Program**
- **How to Removing Covers**
- **How to Lock Out Mechanical and Electrical Connections**
- **How to Disconnect and Block Piping to Tanks**
- **How to Pre-Clean and Pre-Test of Confined Space Atmosphere**
- **How to Apply Emergency Rescue Procedures**
- **Record Keeping**
- **How to Entry & Exiting Check Lists**
- **And More**

## Target Audience

Technicians, contractors, union craftsman, electricians, technicians, installers, managers, administrators, engineers, facilities managers, architects and developers, systems engineers, telecom managers and anyone that is required to enter any confined space(s) and or manholes.

## Prerequisites

A basic understanding of telecommunications.

## Course Outline

### Module I: Confined Space Operations??

- A. Overview and Permit Systems?
- B. Safety, Standards, Regulations based on OSHA/CAL-OSHA
- C. PPE (Personal Protective Equipment)
- D. Hazards?
- E. Ventilation?
- F. LOTO (Lockout / Tagout) Procedures
- ?G. Confined Space Rescue Basics
- ?H. Review of Recent Incidents????? / Reports

### Module II: Hands-On Practical Exercises

- ??A. Tripods/Retrieval Systems
- ?B. Public/Worker Protection/Cover Moving/PPE/Access?
- C. Atmospheric Monitoring/Ventilation?
- D. APR's/Supplied Air Systems?
- E. Fall Protection/Basic Rope?

- F. Non-Entry Rescue?
- G. Entry Rescue/ Patient Packaging?
- H. Proper Cabling Pulling Techniques and Tie Ups
- I. More...

## Delivery Method

On-Site in-person Instructor-led with numerous In-Field Hands-On labs and exercises or this course can be delivered online in our Virtual LIVE Instructor-Led delivery option upon request.

## Equipment Requirements

**(This apply's to our hands-on courses only)**

A classroom with appropriate seating, writing surface and enough space for the class and the lab equipment. A data projector with screen and a whiteboard with markers provided by the client.

NOTE Access to a Manhole and any other confined space for demonstrations and lab exercises would be required to provide the best training possible, if not available the Hands-On portion of this course will be limited.

BTS always provides equipment to have a very successful Hands-On course. BTS also encourages all attendees to bring their own equipment to the course. This will provide attendees the opportunity to incorporate their own gear into the labs and gain valuable training using their specific equipment.

## Course Length

2 Days