MSA Confined Space Entry & Operations Training

This 2 day Confined Space Entry & Operations training course is technical in nature, comprehensive, performance based, and instructed by an in-house trained and certified professional instructor. Our Technical Training incorporates information and skills required by all applicable regulatory bodies.

Who should attend? Those individuals who are responsible and/or identified to perform work in or around identified confined spaces such as Confined Space Supervisors, confined space attendants and entrants.

Course Format – Training is an instructor-led multi-media presentation incorporating student manual, equipment demonstrations, and practical confined space entry evolutions. Training will run 8 hours each day. A written exam will be administered and the student will receive a certificate of completion with training hours, signed and dated by the MSA Instructor upon successful completion of the training class.

This training course can be conducted at one of MSA's open enrollment events across North America or can be conducted at your facility.

Learning Outcomes:

MSA Confined Space Entry 2-Day Outline:

- Definitions & examples
- Discussion of the factors that explain *why* permit-required confined spaces can be so dangerous and require special training prior to their entry along with case studies of past incidents
    - Introduction of applicable Occupational Safety and Health Administration (OSHA) confined space regulations for General Industry and Construction

- Coverage of employer / contractor regulatory responsibilities when going to work in a PRCS and in building a site-specific confined space program
- Discussion of the types of hazards that can turn a regular space into a "permit-space," including:
    - The Hazards of Low-Oxygen Atmospheres
    - Flammable Atmospheres
    - Atmospheres where occupational exposure to specific substances exceed OSHA permissible limits
    - Atmospheres that are termed "Immediately Dangerous to Life or Health" if the worker remains within them, potentially preventing their ability to escape in an emergency

- Other Hazards
  - Engulfment
  - Entrapment
  - Falls
  - Electrical Hazards
  - Thermal Hazards
- An introduction to the Hazard Communication (HazCom) standard and how it applies to learning about the dangers of working with different substances in confined spaces
- Planning for safe entry into a PRCS utilizing (1) OSHA's "hierarchy of controls" and a (2) "pre-task plan for safety"
- Use of job safety controls for entry into potentially unsafe spaces such as:
  - "Lockout / Tagout"
  - Portable Gas Detectors for Confined Space Air-Quality Monitoring
  - Confined Space Atmospheric "Normalization" & Equipment Needed
- An introduction to the different levels of respiratory protection as well as the elements of a program that must be in-place to make it successful:
  - Selection, fit testing, program administration, care and maintenance
  - Respirator types and their "assigned protection factors," which stipulate when and where they can be used
  - Respirators for entry into IDLH conditions and rescue situations, including the airline respirator and SCBA
- Procedures to be followed when a permit-required-space is to be entered
- Additional confined space access, safety and rescue equipment including:
  - The full-body harness (including selection, inspection and use)
  - Entry winches & self-retracting lifelines with rescue capabilities
  - Davit arms and tripods
  - Confined space communications equipment
- Post-entry procedures, including permit close-out and equipment / program maintenance
- Confined space rescue
- Hands-on practice with confined space procedures and equipment in a controlled training environment