

Confined Space Safety Managing Hazards, PPE, and Emergency Arrangements

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Energy Milestones Corporation Advancing Professionals to the next level

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Confined Space Safety Managing Hazards, PPE, and Emergency Arrangements

Overview

This training course is designed with an emphasis on implementing a safe system of work for confined spaces. Working in confined spaces can be fatal or cause injuries in industries, ranging from those involving complex plants to simple storage. Those victims include not only people working in a confined space but also those who try to rescue them without proper training and equipment.

Course Objectives

- Become familiar with OSHA and Confined Spaces Regulations Approved Code of Practice, HSE
- Become familiar with the hazards of a confined space
- Take all the necessary precautions before entering
- Maintain the confined space as a safe place to work
- Familiarise the delegates with different methods of cleaning and isolation

Course Content

1. Introduction:

- Definitions - OSHA Terminology
- Risk Assessment
- Reading PIDs
- Work Permit Systems
- Contractors



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Course Content

2. Occupational Health Hazards in Confined Spaces:

- Occupational Health Hazards
- Chemical Substances Hazards
- Physical Hazards
- H₂S and Pyrophoric iron
- Washing and Changing Facilities
- Contaminated Areas and Control

3. Atmospheric Testing, Cleaning and Emergency Arrangements:

- Atmosphere Testing
- Cleaning of Confined spaces before entry
- Gas freeing of Tanks, Vessels - Use and hazards of Steam, water, inert gas and chemicals
- Isolation - Positive Isolation, Lockout / Tag Out, Maintaining Isolation
- Personnel Training and Duties
- Rescue Arrangements

4. PPE, Common Tasks, and Maintaining Safety:

- PPE Requirements
- Entry with Breathing Apparatus / Entry without Breathing Apparatus
- Ventilation & Lighting
- Common Maintenance tasks and problems in confined spaces –Furnaces, Vessels, Tanks
- Check Lists
- Boxing Up, Hand Over and De-Isolation



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Targeted Audience

- Senior Managers
- HSE Managers and Engineers
- HSE Officer and Inspector
- HSE Supervisor
- Operational & Maintenance Engineers and Inspectors
- All personnel in who may potentially need to work in a confined space

Course Methodology

Facilitated by an experienced professional trainer, this training course will be conducted as a highly interactive workshop session. A variety of training methodologies and facilitation techniques will be used before and during the course whenever applicable. These methods are aimed at enhancing individual and group interaction while maximizing learning. Some of these methods are:

- Online Pre-post Test
- Colorful Visual Aids
- Gamification
- Self-Assessment Instruments
- Simulations
- Case Studies
- Videos
- Group Exercises & Discussions
- Role plays
- Indoor & Outdoor games

