



Confined Space Safety

SUBJECT MATTER EXPERT(SME)- INTERNSHIP TRAINING

Language: English, Hindi

Duration: 114 Hrs.

1. Introduction to Confined Spaces:

1. Definition of confined spaces
2. Examples of confined spaces (tanks, vessels, tunnels, silos, etc.)
3. Characteristics of confined spaces (limited access, poor ventilation, potential hazards)

2. Regulatory Overview:

1. Overview of relevant local, state, and federal regulations
2. OSHA (Occupational Safety and Health Administration) standards and requirements
3. Compliance with industry-specific regulations

3. Identifying Confined Spaces:

1. Criteria for classifying a space as confined
2. Permit-required confined spaces vs. non-permit confined spaces
3. Recognizing potential confined spaces in the workplace

4. Confined Space Hazards:

1. Atmospheric hazards (oxygen deficiency, flammable gases, toxic substances)
2. Physical hazards (limited space, engulfment, noise, temperature extremes)
3. Biological hazards (presence of bacteria, fungi, or other microorganisms)
4. Mechanical hazards (moving parts, machinery)

5. Confined Space Entry Procedures:

1. The importance of a written confined space entry program
2. Developing and implementing a permit system
3. Roles and responsibilities of entry supervisor, attendant, and entrant
4. Communication protocols during entry
5. Digitization in Confined Spaces
6. Precautions to be taken
7. Check list Preparation

6. Personal Protective Equipment (PPE):

1. Selection and proper use of PPE
2. Respirators, protective clothing, gloves, eye protection, and other equipment
3. Ensuring PPE compatibility with the confined space environment

7. Emergency Response and Rescue:

1. Developing and practicing emergency response plans
2. Confined space rescue procedures
3. Training on the use of rescue equipment (tripods, hoists, harnesses)

8. Ventilation and Atmospheric Monitoring:

1. Importance of proper ventilation
2. Atmospheric testing equipment and procedures
3. Interpreting atmospheric monitoring results

9. Training on Confined Space Equipment:

1. Proper use of entry and retrieval equipment
2. Tools for atmospheric testing and monitoring
3. Safety harnesses, lifelines, and communication devices

10. Case Studies and Practical Exercises:

1. Real-life examples of confined space incidents and lessons learned
2. Simulated confined space entry exercises
3. Review and discussion of specific case studies

11. Recordkeeping and Documentation:

1. Importance of maintaining accurate records
2. Documenting training sessions, permits, and atmospheric test results
3. Periodic review and updates of confined space programs

12. Review and Assessment:

1. Post-training assessment to evaluate understanding
2. Periodic reviews and updates to keep knowledge current
3. Encouraging feedback for continuous improvement

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