

Confined Space Awareness Syllabus

Time: 8 hours

Maximum Class Size: 20

Prerequisites: None

Course Description: Construction work of any type can be dangerous. In response, workers must learn to spot hazards on the job. This skill is developed through experience, training, and sharing stories with co-workers. This skill is particularly important when working in a confined space where you can expect to encounter different and unexpected hazards. This course will give the participant the information needed to work safely, efficiently and effectively in a confined space on a jobsite.

Goals/Objectives/Student Learning Outcomes:

- Define a confined space, giving three characteristics.
- List two categories of confined spaces and give examples of each.
- List two factors that lead to injuries in confined spaces.
- Describe the four characteristics of a permit-required confined space.
- Identify when atmospheric monitoring must be done in a confined space.
- List the three pre-entry tests in the order they must be performed.
- Explain why air monitors must be calibrated before their use.
- List the components of a permit required confined space entry program.
- Explain the purposes of an entry permit.
- List at least five of the fifteen required elements of an entry permit.
- List the required elements of pre-entry atmospheric testing.
- Identify the members of a confined space entry team and describe the duties of each.
- Describe at least two instances when training is required for confined space entry.
- Define the term 'ventilation' and explain how it is done in a confined space.
- Explain some of the considerations that must be taken into account when planning ventilation
- List four types of hazards that can be controlled by ventilation.
- List the four types of hazardous energy.
- Explain the concept of 'lockout and tag-out' (LOTO).
- Give two examples of how LOTO can be done.
- Explain the term "affected employee".
- Explain the term 'authorized employee'.

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Standards Addressed:

OSHA Permit-Required Confined Space Standard 29 CFR 1910.146.

Classroom Rules and Procedures

- All classes begin at 6:30 am and end at 3:00 pm
- Upon entering classroom, all participants must sign in and be seated by 6:30 am
- Class will consist of a combination of lecture, video, demonstration, coached group exercises, individual exercises and assessment.
- Students are required to report to class ready to work and maintain the provided PPE

Textbooks/Readings/Materials

- LIUNA Permit Required Confined Space Awareness IG
- LIUNA Hazardous Waste Worker PG
- Student Handout Packet (Handouts: 52, 53, 62, 55, 56, 57, 58, 60)
- DVD: *Confined Space*
- LIUNA PowerPoint: *Permit Required Confined Space Entry*

Tools/Equipment/Other Materials

- Computer
- Projector
- Whiteboard or Flipchart
- Markers

Personal Protective Equipment

- 20 pairs of gloves
- 20 pairs of safety glasses
- 20 pairs of earplugs
- 20 hard hats

Course Requirements

To receive credit for the course, participants must:

- Be present for full eight hours
- Participate in all classroom exercises

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- Pass a written exam

Course Policies

- Participants must be on-time and ready to work.
- Participants must return from breaks on-time.
- Participants must participate in each exercise and assignment
- Participants who are on “light duty” are not allowed to take this course due to the physically demanding requirements.

Assessment and Grading

Participants will be assessed on the following:

- All written exams must be passed with a score of 80% or above.
- All hands-on exercises are graded on performance and participation. They are pass/fail and must be passed with a score of 80% or above.

Safety

Failure to maintain and use PPE may result in dismissal from the course.