



**Environment, Health, & Safety
Training Program**

**EHS 275 – Confined Space Hazards
Course Syllabus**

Subject Category: Industrial Hygiene

Course Length: 3 hr

Delivery Mode: Classroom

Refresher: Three years and Refresher EHS 274 as needed.

Course Prerequisite: No

Medical Approval: None

Instructor: Mark Schmidt, CHST, CHMM, REM Confined Space Program Manager.

Course Purpose: The purpose of the training is to prepare employees who may work in confined spaces, so that they have the understanding, knowledge, and skills necessary for the safe performance of their duties.

Training Compliance Requirements: 29 CFR 1910.146 (g)
Each affected employee shall complete EHS 275 before they are assigned to enter a confined space.

Learning Objectives:

After completing this training the successful student will be able to:

- Identify the characteristics of Non-Permit Confined Spaces, and Permit-Required Confined Spaces.
- Identify potential hazards associated with confined spaces.
- Describe the LBNL procedures for safe entries into confined spaces.
- Use the Confined Space Inventory to find Safe Work Procedures.
- Identify the acceptable ranges for the atmosphere conditions measured by the four gas meter.
- Work as a team to identify confined space hazards and controls using a classroom exercise.

Course Instructional Materials:

- A PowerPoint presentation on the basic concepts.
- Discussion of handouts describing Permit-required Confined Space incidents.
- Hands-on lab using the four gas meter.
- Safe Work Procedure learning team exercise.

Exam or Assessment: To receive credit for this training, students must pass a written exam with a score of 80%.

Practical Exam: No.

Course Evaluation: Course evaluations are provided to students to evaluate course and instructor.

Web Resource: EH&S Confined Space Web Page @ http://www.lbl.gov/ehs/ih/programs/confined_space.shtml
EH&S Training Program web page @ <http://www.lbl.gov/ehs/html/training.htm>