Colston Safety and Training, Inc.

H2S Safety Training

Prerequisites: This course shall have no formal pre-requisite.

Course Length: 2-4 hours - Course length shall vary depending on the number of students. Total course time does not include breaks.

Class Size: The maximum number of students that may be trained and tested per instructor shall be thirty (30) in a classroom session.

Course Objective: This course addresses accepted safety practices for employees who are at risk of potential occupational exposure to hydrogen sulfide (H2S). Course content includes, but is not limited to, the following minimum information content:

- Properties and Sources of H2S
- Affects on Human Body
- Exposure Signs & Symptoms
- Respiratory Protection
- Detection Methods
- Use And Care Of PPE
- Rescue
- Exercises And Contingency Planning

Course Design:

- Power Point© Lecture
- Audio Video

Successful Course Completion:

- Requires a minimum score of 80% or better, unless otherwise specified by the student's employer.

Course Content Summary:

- Classroom
- Breaks – 5 to 15 minutes (at instructor's discretion)

Course Outline:

- Regulatory Agencies
- Regulations
- Sources of H2s
- What Is H2S?
- H2S Properties
- Where Is H2S Found?
- Incompatibilities & Reactivity

- Important Facts about H2S
- Respiratory System
- Measurement Techniques
- Exposure Signs & Symptoms
- Respiratory Protection
- PPE
- Methods of Detection
- Safe Work Practices
- Rescue
- Contingency Planning

Examination:

- Practical Session - Demonstration of various types of respiratory protection equipment: SCBA, SAR, SKA PAPR, APR. Respirator Fit Tests as a preparatory step prior to deployment of worker into potential at risk H2S environment. Fit test, PFT and MEQ can be provided with prior arrangement.
- Each student is required to pass a written exam (80%).

Training Center Provided Material: Respiratory protection equipment

Student Requirements: None

Reference Material / Documents:

30 CFR 250.490, 29 CFR 1910.134, 29 CFR 1910.146