



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 (H<sub>2</sub>S). Course content includes, but is not limited to, the following minimum information content:

- Properties and Sources of H<sub>2</sub>S
- 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 H<sub>2</sub>s
- What Is H<sub>2</sub>S?
- H<sub>2</sub>S Properties
- Where Is H<sub>2</sub>S Found?
- Incompatibilities & Reactivity

[www.colstonsafety.com](http://www.colstonsafety.com)

26506 Oak Ridge Drive • The Woodlands TX 77380 • 877.391.6139

- 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