

**Course Outline For: Hydrogen Sulfide (H<sub>2</sub>S) Complete<sup>®</sup>**  
**An Awareness Level (4-Hour) Online Training Course**  
**Per ANSI/ASSE Z390.1-2010 and OSHA 1910.1200**

#### Overview

Compliance Solutions offers the most complete and comprehensive online hydrogen sulfide safety awareness training course available in the industry today! Our online course **meets or exceeds ANSI and OSHA standards** for hydrogen sulfide training programs. Our course *FAR* surpasses the competition for quality & completeness.

This online training was developed to provide students a comprehensive overview of hydrogen sulfide safety and the effects on employees in the workplace. Increasing your awareness of the occurrence of natural and industrial hydrogen sulfide hazards will better equip you to deal with H<sub>2</sub>S hazards. This is important because hydrogen sulfide exposure has a high mortality rate.

**H<sub>2</sub>S Complete** allows you to proceed at your own pace to complete this comprehensive, interactive and fully online course.

**This online certification course meets the 4-hour minimum training requirement** for hydrogen sulfide training programs *per ANSI/ASSE Z390.1-2010 Section 7.2: Accepted Practices for Hydrogen Sulfide (H<sub>2</sub>S) Training Programs* **and** OSHA 29 CFR 1910.1200, Hazard Communications.

#### Who should take this course?

Due to the large number of documented fatalities among workers and would-be rescuers, Compliance Solutions and ANSI have identified a clear need for specialized training to address the occupational hazards from Hydrogen Sulfide. This includes any employees who are exposed or potentially exposed to hydrogen sulfide.

A higher risk of exposure to hydrogen sulfide exists in a number of major industries, including:

- Agriculture;
- Gas and oil exploration;
- Gas and oil processing and refining;
- General Industry
- Manufacturing;

Workers at a higher risk of exposure to hydrogen sulfide include:

- Oil and natural gas workers who extract and/or refine crude oil and natural gas;
- Wastewater and sanitation workers who clean or maintain sewers and septic tanks; and
- Farm workers who clean manure storage tanks or work in manure pits.

#### What topics are covered in this course?

- Properties and characteristics of H<sub>2</sub>S
- Industries and locations affected by H<sub>2</sub>S
- Sources of H<sub>2</sub>S
- Chemical byproducts of H<sub>2</sub>S
- Chemical incompatibilities of H<sub>2</sub>S
- Signs of H<sub>2</sub>S exposure
- Routes of H<sub>2</sub>S exposure
- Symptoms of H<sub>2</sub>S exposure
- Treatment of H<sub>2</sub>S exposure
- Toxicity of H<sub>2</sub>S
- H<sub>2</sub>S standards and regulations
- Quantities and exposure levels
- Communicating H<sub>2</sub>S hazards
- Detecting H<sub>2</sub>S
- Monitoring devices
- Personal protective equipment
- Respiratory protection
- Controlling site hazards
- Emergency rescue
- First aid and CPR
- H<sub>2</sub>S incident response
- And many more!

#### Learning Outcomes

The purpose of this course is to ensure awareness and promote safety among employees who may be exposed to hydrogen sulfide on-the-job. The objective is to ensure that employees operate in the safest possible manner in locations where contact with hydrogen sulfide, or its byproducts, is possible.



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### **At the conclusion of the course, students should be able to:**

- Describe the properties and characteristics of hydrogen sulfide
- Identify the common locations where hydrogen sulfide may be present
- Name symptoms of hydrogen sulfide exposure and describe the potential acute and chronic health effects
- Distinguish the important elements involved in preparing for incidents involving hydrogen sulfide
- Understand and document how to respond to a hydrogen sulfide exposure or release

### **Site-Specific Hands-On Training**

Since it is impossible to identify every situation where hydrogen sulfide might be present, this training course was designed to complement an employer's site-specific training. *This course should be augmented by employer provided site-specific hands-on training.*

Employers are responsible for providing training specific to all of the site hazards, health hazards, and safety requirements you may encounter at worksites that fall within the scope of the employer's operations.

### **Hydrogen Sulfide Safety Awareness Certification**

Upon completion of this course, you will receive a certificate and wallet ID card for verification at worksites that require awareness-level ANSI certification. The certification also denotes training under **OSHA 29 CFR 1910.1200 – Hazard Communications**. This comprehensive course covers BOTH standards.

### **Retraining of Hydrogen Sulfide Safety Awareness Certification**

*Per ANSI/ASSE Z390.1-2010, Section 6.2:* "Due to the extreme hazards involved in H<sub>2</sub>S operations, each individual covered by this standard **should be trained annually.**"

### **Instructor Support**

Compliance Solutions provides for online interaction with an Instructor and the opportunity for students to ask questions and receive help through ComplyChat® a proprietary asynchronous Instructor Chat system during normal business hours. We also offer email support to address questions that are not urgent or received after hours

Compliance Solutions **started** offering occupational safety training in 1995, offering **real** Instructors at **real** seminars. We're not some "Johnny-Come-Lately" looking to "cash in" on the internet training craze. We understand what employers and students **need** to retain EH&S training. We take **pride** in delivering training that doesn't just "**meet**" OSHA requirements, **we exceed** them! Find out why our students say: "**Compliance Solutions puts the CLASS BACK in online training!**"

### **Prerequisites**

There are no prerequisites assigned to this course.

### **Registration**

Register online at [www.csregs.com](http://www.csregs.com), or call 1-800-711-2706 Ext 1.

### **Discounts**

For companies wishing to register multiple students, the following discounts are available:

- 10% discount for 5-10 licenses
- 15% discount for 11-20 licenses
- 25% discount for 21-50 licenses
- 45% discount for 51-100 licenses
- Call for preferred discounts for over 101 licenses!

To take advantage of the above discounts, **please contact us at 1-800-711-2706 Ext 1 BEFORE registering.** We will issue your company a series of licenses to be used during the registration process.