

# **COMPRESSED GAS SAFETY PLAN**

## **AUTHORITY AND SCOPE**

**REGULATION:** 29 CFR 1910.101

**SCOPE:** This Plan applies to all employees who work with or near compressed hazardous gases, and all operations that use or handle such gases.

## **POLICY STATEMENT**

It is the policy of [name] that all compressed gases will be handled, stored, received, and used in a safe manner consistent with the requirements of the Compressed Gas Safety Plan, and to ensure that employees handling compressed gases are adequately trained in the inherent hazards of the cylinders and their contents, as well as proper handling, storage, and use according to all federal and state regulations.

## **PLAN ADMINISTRATION**

**TABLE [NUMBER 1]** provides the roles and contact information for the administration of the Compressed Gas Safety Plan.

**TABLE [NUMBER 1]**

### **PROGRAM CONTACT INFORMATION**

**[MODIFY THE TABLE AS APPLICABLE TO YOUR ORGANIZATION.]**

TASK	CONTACT PERSON	CONTACT INFORMATION
Plan Administrator	[Name]	Work: [number] Mobile: [number]
Hazard Assessment Administrator		Work: Mobile:
Employee Trainer		Work: Mobile:

**PLAN ADMINISTRATOR.** The Plan Administrator is responsible for developing and maintaining this written Compressed Gas Tank Safety Plan. The Plan Administrator is qualified to administer and oversee the Plan, ensure that the required evaluations are conducted, and ensure that all affected employees receive the appropriate training required in this Plan.

**HAZARD ASSESSMENT ADMINISTRATOR.** The Hazard Assessment Administrator is responsible for planning and conducting hazard assessments for all work areas where

compressed gas cylinders and equipment are used. The assessment administrator will submit hazard assessments to the Plan Administrator or designated representative.

**EMPLOYEE TRAINER.** The Employee Trainer is responsible for administering the training requirements for compressed gas safety as outlined in this Plan for all employees who work with or around compressed gas cylinders and equipment.

## **PLAN, REVIEW AND UPDATE**

This Plan will be reviewed and updated:

- Annually
- Whenever there is a change in federal or state regulations related to compressed gas
- Whenever there is a change in facility operations related to the use, handling, or storage of compressed gas containers or equipment

## **DEFINITIONS**

**STORAGE**—removal of an object from regular use for an appreciable period of time. Placing an object aside for a short while with the intent of using it again would not constitute storage of the object.

## **HAZARD ASSESSMENT**

The hazards of compressed gases fall into one or more of the following general categories:

- Fire
- Explosion
- Release of toxic gases

**A HAZARD ASSESSMENT IS REQUIRED FOR ALL PROCESSES OR EQUIPMENT INVOLVING THE USE OF HAZARDOUS GASES, AND SHOULD INCLUDE:**

**[Modify the following list as applicable to your facility.]**

- All pressure vessel systems that contain oxygen or irritant, toxic, infectious, flammable, and/or radioactive materials at any pressure.
- All pressurized equipment (including ASME-coded vessels that have been structurally modified) that operates at gas pressures over 150 lbs per square in. gauge (psig) or at liquid pressures over 1,500 psig, or that contains over 75,000 foot-pounds (ft-lb) of stored energy.
- Confined or oxygen-deficient space.

**Labels on the cylinders and safety data sheet (SDS) will be consulted as part of the overall hazard assessment.**

Following are several common causes of injury from compressed gas hazards:

- Exposure to the release of toxic substances
- Being struck by an object due to a pressure release or explosion
- Fire
- Asphyxiation
- Strains from moving cylinders
- Being stung by wasps or bees nesting in cylinder caps

## **INSPECTION**

[Name(s)] is/are qualified to determine that compressed gas cylinders are in a safe condition to the extent that can be determined by visual inspection. Inspections of cylinders will be conducted [frequency].

A visual inspection alone, however, may be insufficient to determine the mechanical integrity of a compressed gas cylinder. Therefore, additional inspections will be conducted as prescribed by the following rules and manuals:

**[Modify the list of Compressed Gas Association (CGA) pamphlets or DOT rules that apply to your inspection operations. DOT rules only apply when the compressed gas is being moved for purposes of interstate commerce (see especially Title 49, section 173.34).]**

- Title 49, Parts 171 to 179 of the federal DOT Hazardous Materials Regulations
- C-6-(latest version) Standards for Visual Inspection of Steel Compressed Gas Cylinders
- C-8-(latest version) Standard for Requalification of DOT-3HT, CTC-3HT, and TC-3HTM Seamless Steel Cylinders
- P-1-(latest version) Safe Handling of Compressed Gases in Containers
- S-1.1-(latest version) Pressure Relief Device Standards-Part 1-Cylinders for Compressed Gases
- S-1.2-(latest version) Pressure Relief Device Standards-Part 2-Cargo and Portable Tanks for Compressed Gases
- [other]

Copies of the above documents are available from/at [name, phone, or location].

## **IDENTIFICATION**

Each gas cylinder will be marked with its identity; the marking will be matched with the appropriate SDS in order to identify specific hazards and protections.

Compressed gas cylinders must be marked with the name of the compressed gas, and have a label indicating the hazards of the compressed gas.