



CGA P-22—2021
GUIDELINE FOR THE
RESPONSIBLE MANAGEMENT
AND DISPOSITION OF
COMPRESSED GASES AND
THEIR CYLINDERS
FOURTH EDITION

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Work Item 19-053
Environmental Committee

NOTE—Technical changes from the previous edition are underlined

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1 Introduction

This publication addresses the disposition of compressed gas cylinders and their contents.

2 Scope and purpose

The information in this publication is intended for use by customers, shippers, carriers, distributors, safety and environmental administrators, and others desiring an introductory knowledge of the subject. Anyone requiring more detailed or specialized information should consult their compressed gas supplier.

The purpose of this publication is to increase awareness of important safety and environmental issues regarding the proper handling, transportation, and disposition of cylinders and cylinder contents for the following conditions:

- cylinders containing unknown or potentially contaminated contents;
- cylinders of questionable integrity; and
- cylinders destined for decommissioning.

3 Definitions

For the purposes of this publication, the following definitions apply.

3.1 Publication terminology

3.1.1 Shall

Indicates that the procedure is mandatory. It is used wherever the criterion for conformance to specific recommendations allows no deviation.

3.1.2 Should

Indicates that a procedure is recommended.

3.1.3 May

Indicates that the procedure is optional.

3.1.4 Will

Is used only to indicate the future, not a condition of requirement.

3.1.5 Can

Indicates a possibility or ability.

3.2 Technical definitions

3.2.1 Abandoned cylinder

Cylinder for which no owner or the cylinder's contents can be identified.

NOTE—An abandoned cylinder should be considered to have unknown contents regardless of identifying marks, labeling, and valve configuration.

3.2.2 Analysis

Scientific procedure using recognized analytical protocols to produce sufficient data that identifies the compound or compounds that make up the sample.

3.2.3 Appurtenances

Devices such as pressure relief devices, valves, pressure gauges, regulators, etc., that can be attached to a cylinder.