



# OKLAHOMA

## Uniform Building Code Commission Staff Comment Form – **BEBF 91**

### BEBF Technical Committee

Review of the 2021 Editions of the International Building Code® (IBC®), International Existing Building Code® (IEBC®), International Fire Code®

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#### Contact Information:

Name: OUBCC Staff

Date 05/15/23

Email: Kathy.Hehnly@oubcc.ok.gov

Phone: 405-521-6501

#### Code Change Information

Originating Committee: BEBF 2018

Code Modified: 2018 IFC

Original Comment Form Number: CCF 100

Rule Number: 748:20-4-44 (12), (13), (14), & (15)

#### Which area of the code (Section, Table, Figure) was be revised?

IFC Ch 39, Section 3903.7 through 3903.7.3

Page Number:

#### Previous change:

**3903.7 Carbon dioxide extraction.** Plant processing and extraction facilities utilizing carbon dioxide solvents shall comply with Sections 3903.7.1 through 3903.7.3, Section 5307 and other applicable provisions of this code.

**3903.7.1 Storage and handling.** All carbon dioxide compressed gas cylinders shall be secured to a fixed object to prevent falling.

**3903.7.2 Gas detection system.** A gas detection system complying with Sections 916 and 5307.4.3 shall be provided in a room where carbon dioxide solvents are used in the extraction process.

**3903.7.3 Carbon dioxide discharge.** The carbon dioxide extraction equipment pressure relief device and blow-off valves shall be piped to the exterior of the building.

**Historical information:**

These modifications were made to expand the requirements for facilities that utilize carbon dioxide as part of the plant processing and extraction facilities. It addresses storage and handling of carbon dioxide compressed gas cylinders, requires a gas detection system and requires discharge to the exterior of the building for carbon dioxide equipment pressure relief devices and blow-off valves.

The changes were intended to address life safety issues related to the use of carbon dioxide in plant processing and extraction. None of this language is in the 2021 code.