NFPA 50-2001 Bulk Oxygen Systems at Consumer Sites

NFPA 50-2001 Standard for Bulk Oxygen Systems at Consumer Sites (The following Indiana Amendments are reprinted here from the Indiana government web site for your convenience. We have not edited or reformatted these pages, nor have we reviewed the for accuracy. We assume them to be identical to the official amendments as originally printed in the Indiana Register. We make no stated or implied claim as to their accuracy.)

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675 IAC 28-1-16 NFPA 50; standard for bulk oxygen systems at consumer sites

Authority: IC 22-13-2-2; IC 22-13-2-13
Affected: IC 10-19-2; IC 22-12; IC 22-13; IC 22-14; IC 22-15; IC 36-7

Sec. 16. (a) That certain standard, being titled NFPA 50, Standard for Bulk Oxygen Systems at Consumer Sites, 2001 Edition, published by the National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, Massachusetts 02269-9101, be and the same is hereby adopted by reference, as if fully set out in this section except as revised hereafter.

(b) The following documents referenced in NFPA 50 are not adopted, are not enforceable, and are for information purposes only:

(1) NFPA 99.
(2) NFPA 220.
(3) ANSI/ASME B31.3.
(4) CGA S-1.3.
(5) ASTM E 136.
(6) Title 49, Code of Federal Regulations.

(c) The following documents referenced in NFPA 50 are adopted and are enforceable:

(1) NFPA 70 as adopted at 675 IAC 17.
(2) ASME Boiler and Pressure Vessel Code, as adopted at 680 IAC 2-1-1 [675 IAC 30-1-1].

(d) Delete Section 1.1.2 in its entirety without substitution.

(e) Amend Section 1.3 as follows:

(1) Amend the following definitions:

APPROVED means acceptance by the authority having jurisdiction by one (1) of the following methods:

(1) Investigation or tests conducted by nationally recognized authorities; or
(2) Investigation or tests conducted by nationally recognized technical or scientific organizations; or
(3) Nationally accepted principles.

The investigation, tests, or principles shall establish that the method, material, equipment, design, or type of construction is safe for its intended purpose.

AUTHORITY HAVING JURISDICTION means the Division of Fire and Building Safety or officer of a local unit of government empowered by law to administer and enforce the rules of the commission.

LISTED means equipment or materials included in a list published by an organization engaged in product evaluation, that maintains periodic inspection of production of listed equipment or materials, and whose listing states either that the equipment or material meets appropriate standards or has been tested and found suitable for use in a specified manner.

NONCOMBUSTIBLE/LIMITED-COMBUSTIBLE CONSTRUCTION: See the Building Code (675 IAC 13), Chapter 7.

NONCOMBUSTIBLE MATERIAL means a material which, in the form in which it is used and under the conditions anticipated, will not ignite, burn, support combustion, or release flammable vapors when subjected to fire or heat. Materials reported as noncombustible, when tested in

accordance with ASTM E-136, Standard Method of Test for Behavior of Materials in a Vertical Tube Furnace at 750□C, shall be considered noncombustible materials.

(2) Add the following definitions:

BUILDING CODE means the Indiana Building Code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.

DIVISION OF FIRE AND BUILDING SAFETY means the Division of Fire and Building Safety of the Indiana Department of Homeland Security created pursuant to IC 10-19-2.

ELECTRICAL CODE means the Indiana Electrical Code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair of the structure.

FIRE RESISTIVE CONSTRUCTION: See the Building Code (675 IAC 13), Chapter 7.

LABELED means equipment or materials to which has been attached a label, symbol, or other identifying mark of an organization engaged in product evaluation, that maintains periodic inspection of production of labeled equipment or materials, and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

NFPA 70 means the Indiana Electrical Code (675 IAC 17).

ACCESSIBLE, READILY means capable of being reached safely and quickly for operation, repair, or inspection without requiring those to whom ready access is required to climb over or remove obstacles, or to resort to the use of portable access equipment.

(f) Delete the text of Chapter 2 and substitute to read as follows:

2.1 Location of Bulk Oxygen Systems

2.1.1 Bulk oxygen storage systems shall be located in accordance with the Fire Code (675 IAC 22).

(g) Amend Section 3.1.2 to read as follows: Liquid oxygen containers shall be listed or labeled.

(h) Amend Section 3.1.3 to read as follows: High-pressure gaseous oxygen containers shall be listed or labeled.

(i) Amend Section 3.2.1 to read as follows: Piping, tubing, and fittings shall be listed or labeled for oxygen service and for the pressures and temperatures involved.

(j) Delete Section 3.2.2.

(k) Delete Section 3.2.3.

(l) Amend Section 3.5.9 to read as follows: Electrical wiring for bulk oxygen equipment shall be in accordance with the Indiana Electrical Code (675 IAC 17).

(m) Chapter 5 and the appendices are not adopted as part of this code and are intended for use as a guide, and the standards referenced therein are not enforceable as part of this code.

(Fire Prevention and Building Safety Commission; 675 IAC 28-1-16; filed Aug 23, 2006, 4:03 p.m.: 20060906-IR-675050104FRA; readopted filed Aug 8, 2012, 8:08 a.m.: 20120905-IR-675120260RFA; readopted filed Jul 3, 2018, 2:22 p.m.: 20180801-IR-675180204RFA)