Article 28 - NFPA 12-2005: Standard on Carbon Dioxide Extinguishing Systems

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675 IAC 28-1-4 NFPA 12; standard on carbon dioxide extinguishing systems

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. 4. (a) Standard on Carbon Dioxide Extinguishing Systems, NFPA 12, 2005 Edition, published by National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, Massachusetts 02269-9101 is adopted by reference except as revised hereafter.

(b) The following documents referenced in NFPA 12 are not adopted, are not enforceable, and are for information purposes only:

(1) ASME B 31.1.

(2) ANSI/IEEE C 2.

(3) MNBV/ANSI Z535.

(4) API/ASME, Code for Unfired Pressure Vessels for Petroleum Liquids and Gases.

(5) ASTM A 53.

(6) ASTM A 106.

(7) ASTM A 120.

(8) ASTM A 182.

(9) CGA G6.2.

(10) CSA C22.1.

(11) Title 46, Code of Federal Regulations, Part 58.20.

(12) Title 46, Code of Federal Regulations, Part 72.

(13) Title 49, Code of Federal Regulations, Parts 171-190 (DOT).

(14) Bureau of Mines Bulletins 503 and 627 (DOT).

(c) The following documents referenced in NFPA 12 are adopted and are enforceable:

(1) NFPA 70, as adopted in 675 IAC 17.

(2) NFPA 72, as adopted in section 28 of this rule.

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

(e) Amend subsection 1.2.2 to read as follows: For alternate materials, methods, and design, see the General Administrative Rules (675 IAC 12-6-11).

(f) Amend Section 1.2.3 to read as follows: Design, installation, inspection and maintenance shall be performed by trained persons only.

(g) Delete Section 1.3 in its entirety without substitution.

(h) Amend the following definitions in Chapter 3 to read as follows:

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.

LABELED. 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.

LISTED. 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.

(i) Add in Chapter 3, the following definitions to read as follows:

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.

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

TRAINED means one who has undergone the instructions necessary to design, install, and perform the maintenance and recharge service.

(j) Delete subsection 4.3.1.3.2 in its entirety without substitution.

(k) Amend subsection 4.3.3.6.2 by deleting "(1) When persons not familiar with the systems and their operation are present in a protected space (2)" and substitute "(1)". Delete the "s" in "conditions".

(l) Delete subsections 4.4.1 and 4.4.2 and substitute the following: Plans and specifications shall be filed in accordance with the General Administrative Rules (675 IAC 12).

(m) Delete subsections 4.4.3 and 4.4.4 and substitute the following: The completed system shall be tested. Only listed or approved equipment and devices shall be used in the system and shall perform as designed and in accordance with this standard.

(n) Delete, in subsection 4.5.2, Exception No. 1 without substitution. Delete "(2)" and substitute "(1)". Delete "(3)" and substitute "(2)".

(o) In subsection 4.5.5.1 delete "unless specifically waived by the authority having jurisdiction" without substitution.

(p) In subsection 4.5.5.2 delete "unless specifically waived by the authority having jurisdiction" without substitution.

(q) Delete subsection 4.6.1.2 in its entirety without substitution.

(r) Amend subsection 4.6.1.3 to read as follows: Both main and reserve supplies for fixed storage systems shall be permanently connected to the piping and arranged for easy changeover.

(s) Delete subsection 4.6.5.2.2 without substitution.

(t) Amend subsection 4.6.6.1.1 to read as follows: Pressure containers exceeding five (5) cubic feet in volume shall be made and marked in accordance with the rules of construction of the Boiler and Pressure Vessel Board (680 IAC 1-4-1).

(u) Amend subsection 4.7.2.1 by adding a sentence to the end of the section to read as follows: The system shall be designed and installed to accommodate the seismic forces as required by the Indiana Building Code (675 IAC 13).

(v) Amend subsection 4.8.3.2 by deleting "competent" and substituting "trained".

(w) Amend subsection 4.8.3.7.2 by deleting "competent" and substituting "trained".

(x) Amend subsection 5.3.2.3 by deleting "recognized" and substituting "approved".

(y) Delete subsection 5.4.2.2.1 in its entirety without substitution.

(z) Delete subsection 6.2.1.4 in its entirety without substitution.

(aa) Delete subsection 6.2.1.5 in its entirety without substitution.

(bb) Amend subsection 6.6.1.2 to read as follows: The system shall be designed for automatic operation.

(cc) Delete Chapter 7 in its entirety without substitution.

(dd) Amend subsection 8.1.2 to read "Only approved standpipe systems shall be installed.".

(ee) Amend subsection 8.1.3 to read as follows: Standpipe systems shall be installed and maintained in accordance with the requirements in Chapters 4, 5, and 6.

(ff) Amend Section 8.2 to read as follows: Standpipe systems may be used to protect hazards included in Chapters 4, 5, and 6.

(gg) Delete Section 8.3 in its entirety without substitution.

(hh) Delete Section 8.4 in its entirety without substitution.

(ii) Amend the first sentence in subsection 9.3.6 to read as follows: System design shall comply with Chapters 5 and 6, except as described in 9.3.6.1 through 9.3.6.4.2.

(jj) Chapter 2 and the annexes 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 28-1-4; filed Aug 23, 2006, 4:03 p.m.: 20060906-IR-675050104FRA)*