Article 28 - NFPA 33-2003: Standard For Spray Application Using Flammable and Combustible Materials

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675 IAC 28-1-13 NFPA 33; standard for spray application using flammable and combustible materials

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. 13. (a) That certain document, being titled NFPA 33-Standard for Spray Application Using Flammable and Combustible Materials, 2003 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.

(b) The following documents referenced in NFPA 33 are not adopted, are not enforceable, and are for information purposes only:

(1) NFPA 16.
(2) NFPA 30.
(3) NFPA 69.
(4) NFPA 91.
(5) NFPA 101.
(6) NFPA 220.
(7) NFPA 432.
(8) NFPA 496.
(9) NFPA 701.
(10) UL 340.
(11) UL 900.
(12) UL 2208.

(c) The following documents referenced in NFPA 33 are adopted and are enforceable:

(1) NFPA 10, as adopted in section 2 of this rule.
(2) NFPA 12, as adopted in section 4 of this rule.
(3) NFPA 13, as adopted in 675 IAC 13-1-8.
(4) NFPA 17, as adopted in section 9 of this rule.
(5) NFPA 70, as adopted in 675 IAC 17.
(6) NFPA 72, as adopted in section 28 of this rule.
(7) NFPA 86, as adopted in section 31 of this rule.
(8) NFPA 2001, as adopted in section 40 of this rule.
(9) ASME Boiler and Pressure Vessel Code as adopted at 680 IAC 2-1-1.

(d) In Section 1.2.1, delete everything after the first sentence.

(e) Delete Section 1.4 in its entirety without substitution.

(f) Amend Section 1.5 by deleting in its entirety and substituting "See 675 IAC 12-6-11.".

(g) Amend Chapter 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.

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.

LIQUID means a material that has a melting point which is equal to or less than sixty-eight degrees Fahrenheit (68°F) (twenty degrees Celsius (20°C)) and a boiling point which is greater than sixty-eight degrees Fahrenheit (68°F) (twenty degrees Celsius (20°C)) at 14.7 psi (101.3 kPa). When not otherwise identified, the term "liquid" includes both flammable and combustible liquids.

COMBUSTIBLE LIQUID means a liquid having a flash point at or above one hundred degrees Fahrenheit (100°F) (thirty-seven and eight-tenths degrees Celsius (37.8°C)). Combustible liquids are subdivided as follows. The category of combustible liquids does not include compressed gases or cryogenic fluids.

Class II liquids are those having closed cup flash points at or above one hundred degrees Fahrenheit (100°F) (thirty-seven and eight-tenths degrees Celsius (37.8°C)) and below one hundred forty degrees Fahrenheit (140°F) (sixty degrees Celsius (60°C)).

Class III-A liquids are those having closed cup flash points at or above one hundred forty degrees Fahrenheit (140°F) (sixty degrees Celsius (60°C)) and below two hundred degrees Fahrenheit (200°F) (ninety-three and three-tenths degrees Celsius (93.3°C)).

Class III-B liquids are those liquids having closed cup flash points at or above two hundred degrees Fahrenheit (200°F) (ninety-three and three-tenths degrees Celsius (93.3°C)).

FLAMMABLE LIQUID means a liquid having a closed cup flash point below one hundred degrees Fahrenheit (100°F) (thirty-seven and eight-tenths degrees Celsius (37.8°C)). The category of flammable liquids does not include compressed gases or cryogenic fluids. Flammable liquids are further categorized into a group known as Class I liquids. The Class I category is subdivided as follows:

Class I-A liquids include those having a flash point below seventy-three degrees Fahrenheit (73°F) (twenty-two and eight-tenths degrees Celsius (22.8°C)) and having a boiling point below one hundred degrees Fahrenheit (100°F) (thirty-seven and eight-tenths degrees Celsius (37.8°C)).

Class I-B liquids include those having a flash point below seventy-three degrees Fahrenheit (73°F) (twenty-two and eight-tenths degrees Celsius (22.8°C)) and having a boiling point at or above one hundred degrees Fahrenheit (100°F) (thirty-seven and eight-tenths degrees Celsius (37.8°C)).

Class I-C liquids include those having a flash point at or above seventy-three degrees Fahrenheit (73°F) (twenty-two and eight-tenths degrees Celsius (22.8°C)) and below one hundred degrees Fahrenheit (100°F) (thirty-seven and eight-tenths degrees Celsius (37.8°C)).

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.

SPRAY BOOTH means a mechanically ventilated appliance of varying dimensions and construction provided to enclose or accommodate a spraying operation and to confine and limit the escape of spray vapor and residue and to exhaust it safely.

SPRAY AREA mean an area in which quantities of flammable vapors or combustible residues, dusts, or deposits are present due to the operation of spraying processes.

SPRAY ROOM means a room designed to accommodate spraying operations complying with the building code requirements for a Group H, Division 2 Occupancy.

(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 CODE means the Indiana Fire Code.

INDIANA FIRE CODE means the rules adopted at 675 IAC 22 in effect in Indiana at the time of inspection by the inspection authority or, with respect to construction required to be filed under 675 IAC 12-6, 675 IAC 22 in effect at the time of construction, remodeling, alteration, addition, or repair of the structure.

MECHANICAL CODE means the Indiana Mechanical Code in effect in Indiana at the time of construction, remodeling, alteration, addition, or repair.

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

(h) Amend Section 4.2 to read as follows: Location: Spray application operations and processes shall be in accordance with the Building Code (675 IAC 13) and the Indiana Fire Code.

(i) Delete Section 5.1.1 in its entirety without substitution.

(j) Amend Section 5.1.4 to read as follows: Spray booths shall be constructed of steel not less than forty-four thousandths (0.044) inch (1.118 mm) (eighteen (18) gage) in thickness or other approved noncombustible materials.

(k) Amend Section 5.1.6 to read as follows: Spray rooms shall be constructed and separated from surrounding areas of the building in accordance with the Indiana Building Code (675 IAC 13) and the Indiana Fire Code.

(l) Amend Section 5.1.7 to read as follows: Enclosed spray booths and spray rooms shall be provided with means of egress in accordance with the Indiana Building Code (675 IAC 13).

(m) Amend Section 5.1.8 by deleting "where approved by the authority having jurisdiction".

(n) Amend Section 5.3 to read as follows: Separation from Other Occupancies. Spray booths shall be separated from other operations in accordance with the Indiana Building Code (675 IAC 13). Multiple connected spray booths shall be considered as "other operations".

(o) Amend Section 6.2.1 to read as follows: Electrical wiring and utilization equipment shall be in accordance with the Indiana Electrical Code (675 IAC 17) and this chapter.

(p) Amend Section 6.3.1.4 by adding "s" to "exist" before the ":".

(q) In Section 6.8 (2), after "requirements of", delete "Section 400.2 of".

(r) Amend Section 7.1 to read as follows: Ventilating and exhaust systems shall be designed and installed in accordance with the Indiana Building Code (675 IAC 13) and the Indiana Mechanical Code (675 IAC 18).

(s) Amend Section 7.2 exception by deleting "a properly applied" and substituting "an approved". Delete the last sentence.

(t) Amend Section 8.1 to read as follows: Storage handling and mixing of flammable and combustible liquids shall be in accordance with the Indiana Fire Code.

(u) Delete Sections 8.2 through 8.5 without substitution.

(v) Add to the end of Section 9.1: in accordance with the Indiana Fire Code.

(w) Amend Section 9.6 to read as follows: Approved portable fire extinguishers shall be installed in accordance with the Indiana Fire Code.

(x) Amend Section 9.7.1 by deleting ", both listed and unlisted," without substitution.

(y) Delete Section 9.7.2 in its entirety without substitution.

(z) Amend Section 10.1 to read as follows: Maintenance procedures shall be established to ensure that all spray application apparatus and processes are operated and maintained in accordance with the manufacturer's specifications and the applicable rules of the commission.

(aa) Amend Section 10.8.2 by deleting all the text after "approved" without substitution.

(bb) Amend Section 10.11 by deleting "at" and substituting "in".

(cc) Delete Section 10.12 without substitution.

(dd) Amend Section 11.2.1 by deleting "applicable requirements of all other chapters" and inserting "Indiana Fire Code".

(ee) Amend Section 12.2 by deleting "applicable requirements of all other chapters" and inserting "Indiana Fire Code".

(ff) Amend Section 13.3.1.5 by inserting "Approved" in the first sentence and deleting all the text after

"used" without substitution.

(gg) Amend Section 13.3.1.6.1 by deleting all the text in first sentence after "that" and substitute "is approved". Delete the second sentence and substitute "Track-mounted systems shall be approved.".

(hh) Delete the text of Chapter 14 in its entirety without substitution.

(ii) Amend Section 15.2 by deleting "applicable requirements of all other chapters" and inserting "Indiana Fire Code".

(jj) Amend Section 16.2 to add a second sentence to read as follows: Spray application operations that involve the use of organic peroxide formulations and other plural component coatings shall comply with the requirements of the Indiana Fire Code.

(kk) Delete the text of Chapter 17 and substitute the following: See the Indiana Fire Code.

(ll) Delete the text of Chapter 18 and substitute the following: In accordance with local ordinance.

(mm) Chapter 2 and the annexes are not adopted as part of the 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 28-1-13; filed Aug 23, 2006, 4:03 p.m.: 20060906-IR-675050104FRA)*