NFPA 25-2011 Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems

NFPA 25-2011 Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems (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 28-1-12 NFPA 25; standard for the inspection, testing, and maintenance of water-based fire protection 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 25-4; IC 25-31; IC 36-7

Sec. 12. (a) That certain document, being titled NFPA 25-Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems, 2011 Edition, published by the National Fire Protection Association (NFPA), 1 Batterymarch Park, Quincy, Massachusetts 02169-7471, be and the same is hereby adopted by reference, as if fully set out in this section except as revised hereafter.

(b) This rule is available for review and reference at:
Legal and Code Services Section
Indiana Department of Homeland Security
Indiana Government Center South
302 West Washington Street, Room W246
Indianapolis, Indiana 46204

(c) Delete Section 1.1.1 without substitution.

(d) Amend Section 1.1.3 to delete "generally accepted practices" and insert "the applicable rules of the commission".

(e) Delete Section 1.2.2 without substitution.

(f) Delete the title and text of Section 1.3 and [sic] and insert: Alternative materials, methods, and design. See 675 IAC 12-6-11, alternative materials, methods, and design.

(g) Amend Section 2.2 as follows:

(1) In the reference to NFPA 11, delete "2010 edition" and insert "as adopted at 675 IAC 28-1-3".

(2) In the reference to NFPA 13, delete "2010 edition" and insert "as adopted at 675 IAC 13-1-8".

(3) In the reference to NFPA 14, delete "2010 edition" and insert "as adopted at 675 IAC 13-1-9".

(4) In the reference to NFPA 15, delete "2007 edition" and insert "as adopted at 675 IAC 28-1-8".

(5) In the reference to NFPA 20, delete "2010 edition" and insert "as adopted at 675 IAC 13-1-10".

(h) Delete Section 2.3.2 without substitution.

(i) Amend Section 2.4 as follows:

(1) In the reference to NFPA 11, delete "2010 edition" and insert "as adopted at 675 IAC 28-1-3".

(2) In the reference to NFPA 13, delete "2010 edition" and insert "as adopted at 675 IAC 13-1-8".

(3) In the reference to NFPA 14, delete "2010 edition" and insert "as adopted at 675 IAC 13-1-9".

(4) In the reference to NFPA 15, delete "2007 edition" and insert "as adopted at 675 IAC 28-1-8".

(5) In the reference to NFPA 20, delete "2010 edition" and insert "as adopted at 675 IAC 13-1-10".

(j) Amend Chapter 3 as follows:

(1) Amend Section 3.1 as follows:

(A) Amend the first sentence by inserting "solely" after "apply".

(B) Delete the last sentence without substitution.

(2) Amend the following definitions to read as follows:

(A) 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.

(B) 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.

(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.

(D) QUALIFIED means a design professional or a person having successfully completed a course of instruction related to the equipment being installed, serviced, or repaired. Such instruction shall be provided by the manufacturer of the equipment or their authorized representative.

(3) Add the following definitions:

(A) DESIGNATED REPRESENTATIVE: See Owner.

(B) DESIGN PROFESSIONAL means an architect who is registered under IC 25-4 or professional engineer who is registered under IC 25-31. If a registered design professional is not required by 675 IAC 12-6 or 675 IAC 15, then the term means the owner.

(C) 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.

(D) FIRE CODE means the Indiana Fire Code (675 IAC 22) in effect in Indiana at the time of inspection by the authority having jurisdiction or, with respect to construction, in accordance with 675 IAC 12-4-7.

(E) IMPAIRMENT COORDINATOR: See Owner.

(F) 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.

(G) OWNER means any person, agent, firm, or corporation having a legal or equitable interest in the property.

(H) PROPERTY OWNER: See Owner.

(4) Delete Section 3.2.5 without substitution.

(k) Delete the text of Section 4.1.1.2, and insert the following: These tasks shall be performed by a qualified person.

(l) Delete Section 4.1.1.3 without substitution.

(m) Delete Section 4.1.1.4 without substitution.

(n) Amend Section 4.1.3 to delete "if required" without substitution.

(o) Delete Section 4.1.3.1 without substitution.

(p) Delete Section 4.1.3.2 without substitution.

(q) Delete the text of Section 4.1.5 and insert: See 675 IAC 12-4-11, Occupancy of existing buildings.

(r) Delete the title and text of Section 4.1.6 and insert: Changes in hazards in existing buildings. See 675 IAC 12-4-11, Occupancy of existing buildings.

(s) Amend Section 4.1.8.2, to delete item number 4 without substitution.

(t) Add Section 4.1.9.1.1 to read as follows: The servicing fire department shall be notified when a system is impaired and when the system is returned to service.

(u) Delete Section 4.2 without substitution.

(v) Amend Section 4.3.4 as follows: At the end of the sentence, delete "." and insert ", and made available to the authority having jurisdiction.".
(w) Delete Section 4.6 without substitution.
(x) Delete Section 4.8.1 without substitution.
(y) Delete Section 4.8.2 without substitution.
(z) Delete Section 4.8.3 without substitution.
(aa) Delete Section 4.8.4 without substitution.
(bb) Delete Section 4.8.5.1 without substitution.
(cc) Delete Section 4.8.5.2 without substitution.
(dd) Delete the text of Section 5.2.1.3 and insert to read as follows: Maintenance of sprinkler system deflector clearance. See 675 IAC 12-4-9, Maintenance of buildings and structures.
(ee) Delete Section 5.2.7 without substitution.
(ff) Delete Section 5.3.1.3.1 without substitution.
(gg) Delete the text of Section 5.3.4.2 and insert as follows: Antifreeze solutions shall comply with one (1) of the following for system installation:
(1) The concentration of a glycerin solution shall be limited to forty-eight percent (48%) glycerin by volume.
(2) The concentration of a propylene glycol solution shall be limited to thirty-eight percent (38%) propylene glycol by volume.
(3) Newly introduced solutions shall be factory premixed antifreeze solutions (chemically pure or United States Pharmacopoeia ninety-six and five-tenths percent (96.5%)).
(4) Other solutions listed specifically for use in fire protection systems shall be permitted.
(5) Premixed antifreeze solutions of propylene glycol exceeding forty percent (40%) concentration by volume shall be permitted for use with ESFR sprinklers where the ESFR sprinklers are listed for such use in a specific application.
(hh) Delete the text of Section 5.5.3 and insert: Applicable standard for the inspection, testing, and maintenance of sprinkler systems. See 675 IAC 12-4-9, Maintenance of buildings and structures.
(ii) Delete the text of Section 5.5.4 and insert: No construction design release is required for inspection, testing, and maintenance of sprinkler systems.
(jj) Amend Section 6.1.8 by inserting the following text "and the responding fire department" after "facility" and before "shall".
(kk) Delete Section 6.1.7 without substitution.
(ll) Delete Section 6.3.1.2 without substitution.
(mm) Delete the text of Section 6.5.2 and insert: Applicable standard for inspection, testing, and maintenance of standpipe and hose systems. See 675 IAC 12-4-9, Maintenance of buildings and structures.
(nn) Delete the text of Section 6.5.4 and insert: No construction design release is required for inspection, testing, and maintenance of standpipe and hose systems.
(oo) Delete Section 7.1.4 without substitution.
(pp) Amend Section 7.3.1.2 to delete"to the complete satisfaction of the authority having jurisdiction" without substitution.(qq) Amend Section 7.3.2 to delete "tested" and insert "flowed".
(rr) Add a new Section 7.3.2.2.1 to read as follows: A pitot reading shall be taken and recorded during the one (1) minute flow.
(ss) Delete the text of Section 7.5.2 and insert: Applicable standard for inspection, testing, and maintenance of private fire service mains. See 675 IAC 12-4-9, Maintenance of buildings and structures.
(tt) Amend Section 7.5.3.1 by inserting "full" after "of" and before "flow".
(uu) Delete the text of Section 7.5.4 and insert: No construction design release is required for inspection, testing, and maintenance of private fire service mains.

(vv) Amend Table 8.1.2, Alternative Fire Pump Inspections, Testing, and Maintenance Procedures, as follows: In the portion of the table titled "Electrical System", in the column marked "Frequency", delete "monthly" and insert "weekly".
(ww) Amend Section 8.3.4.1 to delete all of the text after "tested" without substitution.
(xx) Amend Section 8.3.4.2 to delete all of the text after "tested" without substitution.
(yy) Amend Section 8.4.1 as follows: At the end of the sentence, delete the "." and insert ", and to the responding fire department, if requested".
(zz) Amend Section 9.5.1.2 by deleting the text "NFPA standards" and inserting "rules of the commission".
(aaa) Amend Section 9.5.1.3 by inserting "automatic tank fill valve" after "the".
(bbb) Amend Section 9.5.2.1 to delete all of the text after "instructions" without substitution.
(ccc) Amend Section 9.5.2.2 to delete the following without substitution: "the authority having jurisdiction and".
(ddd) Delete the text of Section 9.6.2 and insert: Applicable standard for inspection, testing, and maintenance of water storage tanks. See 675 IAC 12-4-9, Maintenance of buildings and structures.
(eee) Delete the text of Section 9.6.4 and insert: No construction design release is required for inspection, testing, and maintenance of water storage tanks.
(fff) Amend Section 10.3.4.4.2 to read as follows: A second pressure reading shall be recorded at the deluge valve.
(ggg) Delete the text of Section 10.3.4.4.3 and insert to read as follows: Readings shall be compared to the hydraulic design pressures to ensure the original system design requirements are met.
(hhh) Amend Section 10.3.5 to delete all of the text after "tested simultaneously" without substitution.
(iii) Delete the text of Section 10.5.2 and insert: Applicable standard for inspection, testing, and maintenance of water spray fixed systems. See 675 IAC 12-4-9, Maintenance of buildings and structures.
(jjj) Delete the text of Section 10.5.4 and insert: No construction design release is required for inspection, testing, and maintenance of water spray fixed systems.
(kkk) Delete the text of Section 11.1.3.1 and insert to read as follows: This section shall apply to foam-water systems.
(lll) Delete the text of Section 11.5.2 and insert: Applicable standard for inspection, testing, and maintenance of foam-water sprinkler systems. See 675 IAC 12-4-9, Maintenance of buildings and structures.
(mmm) Delete the text of Section 11.5.4 and insert: No construction design release is required for inspection, testing, and maintenance of foam-water sprinkler systems.
(nnn) Delete Section 12.3 in its entirety without substitution.
(ooo) Amend Section 13.2.5.2 to delete the following text without substitution: "if necessary".
(ppp) Amend Section 13.3.1.3 to delete "applicable NFPA standards" and insert "rules of the commission".
(qqq) Amend Section 13.3.1.4 to delete "applicable NFPA standard" and insert "rules of the commission".
(rrr) Amend Section 13.3.2.1.1 to delete "applicable NFPA standards" and insert "rules of the commission".
(sss) Delete the text of Section 13.4.4.3 and insert as follows: Low points and auxiliary drains in dry pipe sprinkler systems shall be drained after each operation of the system, before the onset of freezing weather condition, and thereafter as needed.
(ttt) Amend Section 13.5.4.2 to delete "quarterly" and insert "annually".
(uuu) Amend Section 13.5.4.3 to delete "annually" and insert "every five (5) years".
(vvv) Delete the text of Section 13.6.1.1.1 and insert to read as follows: Valves secured with locks or electrically supervised in accordance with the rules of the commission shall be inspected monthly.
(www) Delete the text of Section 13.6.1.2.1 and insert to read as follows: Valves secured with locks or electrically supervised in accordance with the rules of the commission shall be inspected monthly.
(xxx) Amend Section 13.6.3.1 by deleting "trained" and inserting "qualified".
(yyy) Amend Section 13.6.3.2 by deleting "the authority having jurisdiction and" without substitution.(zzz) Amend Section 14.2.1.1 by deleting "Alternative" and inserting "Approved".

(aaaa) Amend Section 14.3.2.3 by deleting "Alternative" and inserting "Approved".
(bbbb) Amend Section 14.4.1 by deleting "Alternative" and inserting "Approved".
(cccc) Delete Section 15.2.3 without substitution.
(dddd) Amend Section 15.3.2 by deleting "required by the authority having jurisdiction" without substitution.(eeee) Amend Section 15.5.2 as follows:

(1) Delete item 3 without substitution.
(2) In item 4 (b), delete the text and insert: A fire watch in accordance with the Indiana Fire Code (675 IAC 22).
(3) Delete item 4 (c) without substitution.
(4) Delete item 4 (d) without substitution.

(ffff) In the Index, on page 25-115, under the heading "fire hydrants", in the item titled "testing", delete "Table 7.1" and insert "Table 7.1.1.2".

(Fire Prevention and Building Safety Commission; 675 IAC 28-1-12; filed Aug 23, 2006, 4:03 p.m.: 20060906-IR-675050104FRA; readopted filed Aug 8, 2012, 8:08 a.m.: 20120905-IR-675120260RFA; filed Apr 12, 2013, 11:07 a.m.: 20130508-IR-675110685FRA; readopted filed Jul 3, 2018, 2:22 p.m.: 20180801-IR-675180204RFA)