

Document: Proposed Rule

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**TITLE 675 FIRE PREVENTION AND BUILDING
SAFETY COMMISSION**

Proposed Rule
LSA Document #01-19

DIGEST

Amends 675 IAC 22-2.2 concerning editorial and technical issues in the 1998 Indiana Fire Code. Effective 30 days after filing with the secretary of state.

675 IAC 22-2.2-104	675 IAC 22-2.2-365
675 IAC 22-2.2-134.5	675 IAC 22-2.2-365.2
675 IAC 22-2.2-145	675 IAC 22-2.2-369.5
675 IAC 22-2.2-221.5	675 IAC 22-2.2-373
675 IAC 22-2.2-245.2	675 IAC 22-2.2-412.5
675 IAC 22-2.2-245.5	675 IAC 22-2.2-443.5
675 IAC 22-2.2-338	675 IAC 22-2.2-499

SECTION 1. 675 IAC 22-2.2-104 IS AMENDED TO READ AS FOLLOWS:

675 IAC 22-2.2-104 Section 1006.2.8; operations and maintenance

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 104. Change section 1006.2.8 to read as follows: The exhaust system in connection with Type I hoods shall be operated at the designed level, and required grease filters shall be in place when equipment under a Type I hood is used. If grease extractors are installed, they shall be operated when the commercial food heat-processing equipment is used.

Extinguishing systems shall be inspected and serviced at least every six (6) months ~~or~~ **and** after activation of the system. Inspection and servicing shall be by qualified individuals, and a service and inspection report shall be left at the site. A Certificate of Inspection shall be forwarded to the chief of the local fire department upon completion of servicing or inspection. All inspections performed shall be to the code in effect at the time of installation, alteration, or modification.

Fusible links, sprinklers, and automatic spray nozzles shall be replaced at least annually, or more frequently if necessary, to ensure proper operation of the system, and other protection devices shall be serviced or replaced in accordance with the manufacturer's instructions.

EXCEPTION 1. Frangible bulbs need not be replaced annually.

EXCEPTION 2. When automatic bulb-type sprinklers or spray nozzles are used and an annual examination shows no buildup of grease or other material on the sprinkler or spray nozzle.

Hoods, grease-removal devices, fans, ducts, and other appurtenances shall be cleaned at frequent intervals in accordance with section 1006.1. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-104; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2918*)

SECTION 2. 675 IAC 22-2.2-134.5 IS ADDED TO READ AS FOLLOWS:

675 IAC 22-2.2-134.5 Section 1109.8.1; general

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 134.5. Change section 1109.8.1 to read as follows: The use of candles and other open-flame decorative devices shall be in accordance with section 1109.8.

EXCEPTION: All Division “R” occupancies.
(*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-134.5*)

SECTION 3. 675 IAC 22-2.2-145 IS AMENDED TO READ AS FOLLOWS:

675 IAC 22-2.2-145 Section 1302.2; reporting emergencies

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 145. Change section 1302.2 to read as follows: In the event a fire occurs or the discovery of a fire, smoke, or unauthorized release of flammable materials on any property occurs, the owner or occupant shall, without delay, report such condition to the fire department.

EXCEPTION: Flammable liquids spills limited to two (2) gallons at facilities with trained emergency response personnel on staff and not open to the general public.
(*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-145; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2924*)

SECTION 4. 675 IAC 22-2.2-221.5 IS ADDED TO READ AS FOLLOWS:

675 IAC 22-2.2-221.5 Section 45-3; dipping operations

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 221.5. In section 4503.3.3, add an exception to read as follows: EXCEPTION: Bottom drains shall not be required for tanks that are equipped with automatic closing covers in accordance with section 4503.8. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-221.5*)

SECTION 5. 675 IAC 22-2.2-245.2 IS ADDED TO READ AS FOLLOWS:

675 IAC 22-2.2-245.2 Section 5202.4.4.2; nozzles

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 245.2. Delete number 2 and its exception and change “3.” to “2.”. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-245.2*)

SECTION 6. 675 IAC 22-2.2-245.5 IS ADDED TO READ AS FOLLOWS:

675 IAC 22-2.2-245.5 Section 5202.4.8; special-type dispensers

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 245.5. Add a paragraph at the end of section 5202.4.8 to read as follows: Special-type dispensers as defined in this section do not include credit card or cash accepting dispensers that are provided with a means to issue change or credit. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-245.5*)

SECTION 7. 675 IAC 22-2.2-338 IS AMENDED TO READ AS FOLLOWS:

675 IAC 22-2.2-338 Section 7901.3.2; plans

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 338. Amend section 7901.3.2 to read as follows: A copy of plans released in accordance with 675 IAC 12-6 shall be submitted to the local fire department for preplanning information to store more than six hundred sixty (660) gallons (eighteen thousand nine

~~hundred twenty-five liters (18,925 L)) of liquids outside of buildings in drums or tanks. Prior to commencement of construction to store more than six hundred sixty (660) gallons (eighteen thousand nine hundred twenty-five (18,925) liters of liquid outside of buildings in drums or tanks, the owner shall notify the local fire department, in writing, of the proposed storage and that a copy of the plans released under 675 IAC 12-6 are available.~~ The released plans shall indicate the method of storage, quantities to be stored, distances from buildings and property lines, accessways, fire protection facilities, and provisions for spill control, drainage control, and secondary containment. *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-338; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2944)*

SECTION 8. 675 IAC 22-2.2-365 IS AMENDED TO READ AS FOLLOWS:

675 IAC 22-2.2-365 Section 7902.2.8.1; drainage control and diking, general

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 365. In section 7902.2.8.1, delete both exceptions and substitute to read as follows:

EXCEPTION 1. Aboveground tanks are not required to be provided with diking when the tank complies with the requirements of the first paragraph of Section 2, Installation of Tanks, including subsections (a), (b), and (c) of Appendix II-F, and secondary containment systems are monitored for leak detection with an automatic alarm system, visual and/or audible.

EXCEPTION 2. Approved aboveground tanks with a capacity of five hundred (500) gallons or less, utilized solely for the storage of used motor oil, and in compliance with EPA 40 CFR 279.22 and EPA 40 CFR 264.175 are exempt from the requirements of 7902.2.8.1.

EXCEPTION 3. Drainage control and diking is not required for listed tanks constructed with an integral method of secondary containment, and secondary containment systems are monitored for leak detection with an automatic alarm system, visual, and/or audible. Guard posts or other means shall be provided to protect the area where tanks are installed. When guard posts are installed, the posts shall be:

- 1. constructed of steel not less than four (4) inches (one hundred one and six-tenths (101.6) millimeters) in diameter and concrete filed;**
- 2. spaced not more than four (4) feet (one thousand two hundred nineteen (1,219) millimeters) on center;**
- 3. set not less than three (3) feet (nine hundred fourteen (914) millimeters) deep in a concrete footing of not less than a fifteen (15) inch (three hundred eighty-one (381) millimeters) diameter;**
- 4. set with the top of the posts not less than three (3) feet (nine hundred fourteen (914) millimeters) above ground; and**
- 5. located not less than five (5) feet (one thousand five hundred twenty-four (1,524) millimeters) from the tank.**

(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-365; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2947)

SECTION 9. 675 IAC 22-2.2-365.2 IS ADDED TO READ AS FOLLOWS:

675 IAC 22-2.2-365.2 Section 7902.2.8.3.8; equipment, controls, and piping in diked areas

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 365.2. Add an exception to section 7902.2.8.3.8 to read as follows: **EXCEPTION: Tanks storing no more than five thousand (5,000) gallons of gasoline, diesel fuel, or kerosene may have pumps and manifolds attached directly to the tank within diked areas.** *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-365.2)*

SECTION 10. 675 IAC 22-2.2-369.5 IS ADDED TO READ AS FOLLOWS:

675 IAC 22-2.2-369.5 Section 7902.6.5.3; overfill prevention system

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 369.5. Change the text of number 3 to read as follows: **Restrict flow thirty (30) minutes prior to overfilling, and alert the transfer operator with a high level alarm one (1) minute before overfilling or automatically shut off flow into the tank so that none of the fittings located on top of the tank are exposed to product due to overfilling.** *(Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-369.5)*

SECTION 11. 675 IAC 22-2.2-373 IS AMENDED TO READ AS FOLLOWS:

675 IAC 22-2.2-373 Section 7902.6.15; corrosion protection

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 373. (a) In section 7902.6.15.1, General, delete the exception without substitution.

(b) In section 7902.6.15.4, at the end of the paragraph, delete the word “five” and insert the word “three” and delete the words “approved”. Change section 7902.6.15.4 to read as follows: **All underground steel tanks and piping shall be tested for proper operation by a qualified cathodic protection tester in accordance with the following requirements:**

1. Frequency. All cathodic protection systems must be tested at installation and every three (3) years thereafter.

2. Inspection Criteria. The criteria that are used to determine that cathodic protection is adequate as required by this section must be in accordance with a code of practice developed by a nationally recognized authority.

For the purpose of this section, a qualified cathodic protection tester is a person who successfully completed instruction related to cathodic protection. (Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-373; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2948)

SECTION 12. 675 IAC 22-2.2-412.5 IS ADDED TO READ AS FOLLOWS:

675 IAC 22-2.2-412.5 Section 8001.11.3; protection from vehicles

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 412.5. In section 8001.11.3, item 2, delete the words “between posts”. (Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-412.5)

SECTION 13. 675 IAC 22-2.2-443.5 IS ADDED TO READ AS FOLLOWS:

675 IAC 22-2.2-443.5 Section 8102.6.2.2; number of doors required

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 443.5. Add an exception to section 8102.6.2.2 to read as follows: When an ESFR sprinkler system is installed throughout the high piled storage area, access doors shall be provided in each two hundred (200) lineal feet, or major fraction thereof, of the exterior walls which face required access roadways. Spacing between doors shall not exceed two hundred (200) lineal feet throughout the high piled storage area. (Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-443.5)

SECTION 14. 675 IAC 22-2.2-499 IS AMENDED TO READ AS FOLLOWS:

675 IAC 22-2.2-499 Appendix II-F; protected aboveground tanks for motor vehicle fuel-dispensing stations outside buildings

Authority: IC 22-13-2-2

Affected: IC 22-12-7; IC 22-13; IC 22-14; IC 36-8-17

Sec. 499. Delete the title and text of Appendix II-F and substitute to read as follows:

APPENDIX II-F

ABOVEGROUND STORAGE TANKS FOR MOTOR VEHICLE FUEL-DISPENSING STATIONS

1. SCOPE

Storage and dispensing of motor fuels into the fuel tanks of motor vehicles from aboveground tanks which are located outside of buildings shall be in accordance with this Appendix.

EXCEPTIONS: 1. Aboveground storage tanks for motor vehicle fuel-dispensing stations legally installed according to the code in effect at the time of installation and in operation prior to September 7, 1992.

2. Single tank installations where the fuel tank has a capacity of one thousand one hundred (1,100) gallons or less that are in compliance with Article 79 of this code.

3. Diesel tanks and dispensing operations when all the following criteria are met:

- A. The distance in feet from any property line when not adjacent to a public way shall be double the distance specified in Table 7902.2F.
- B. The distance in feet from a property line adjacent to a public way, to include the opposite sides of a public way, shall be double the distance specified in Table 7902.2F.
- C. The distance in feet from adjacent structures shall be double the distance specified in Table 7902.2F.
- D. In compliance with Article 79 of this code.
- E. The diesel tank shall be double the distance specified in Table 7902.2F for the property line including the opposite side of the public way from any non-diesel fuel tank or dispensing operation.

2. INSTALLATION OF TANKS

Tanks shall be installed in accordance with Article 79 and shall be installed in special enclosures constructed in accordance with Section 5202.3.6 or in listed and approved tank enclosures or materials providing fire protection of not less than two (2) hours. The following additional criteria shall apply:

- (a) Guard posts or other means shall be provided to protect the area where tanks are installed. ~~The design shall be in accordance with Section 8001.9.3.~~ **When guard posts are installed, the posts shall be:**

- 1. constructed of steel not less than four (4) inches (one hundred one and six-tenths (101.6) millimeters) in diameter and concrete filed;**
- 2. spaced not more than four (4) feet (one thousand two hundred nineteen (1,219) millimeters) on center;**
- 3. set not less than three (3) feet (nine hundred fourteen (914) millimeters) deep in a concrete footing of not less than a fifteen (15) inch (three hundred eighty-one (381) millimeters) diameter;**
- 4. set with the top of the posts not less than three (3) feet (nine hundred fourteen (914) millimeters) above ground; and**
- 5. located not less than five (5) feet (one thousand five hundred twenty-four (1,524) millimeters) from the tank.**

- (b) Each tank and each special enclosures enclosure shall be surrounded by a clear space of not less than three (3) feet to allow for maintenance and inspection,
- (c) Warning signs and identification signs shall be installed to clearly identify hazards. The design shall be in accordance with sections 7901.9, 7902.1.3, and 5201.8. Conspicuous signs prohibiting simultaneous tank filling and fuel dispensing shall be posted,
- (d) Tanks containing motor fuels shall not exceed a ten thousand (10,000) gallon individual or eighteen thousand (18,000) gallon aggregate capacity. Installations having the maximum allowable aggregate capacity shall be separated from other such installations by not less than one hundred (100) feet, and
- (e) Tanks shall be provided with automatic fuel shut-off devices capable of stopping the delivery of fuel when the level in the tank reaches ninety percent (90%) of tank capacity.

3. INSTALLATION OF DISPENSING SYSTEMS

Dispensing systems shall be installed in accordance with Articles 52 and 79 except as follows:

- (a) Motor fuels shall be transferred from tanks by means of fixed pumps which are designed and equipped to allow control of the flow and to prevent leakage or accidental discharge,
- (b) Tank and tank enclosure openings shall be through the top only. Approved antisiphon devices shall be installed at each connection of piping to a tank when such piping extends below the level of the top of such tank, and
- (c) Dispensing devices are allowed to be installed on top of special enclosures.

4. PLANS

Plans submitted under 675 IAC 12-6, Design Releases, shall include the method of storage and dispensing, quantities and types of liquids to be stored, distances from tanks and dispensers to property lines and buildings, vehicle access, fire appliances, collision barriers, design and construction of tanks and tank supports, secondary containment tank venting, vapor recovery provisions, and emergency controls.

5. MAINTENANCE

Tanks, special enclosures, and dispensing systems shall be maintained in proper condition. Damage shall be repaired immediately using materials having equal or greater strength and fire resistance. (*Fire Prevention and Building Safety Commission; 675 IAC 22-2.2-499; filed Mar 31, 1998, 1:50 p.m.: 21 IR 2962*)

Notice of Public Hearing

Under IC 4-22-2-24, notice is hereby given that on August 7, 2001 at 10:00 a.m., at the Indiana Government Center-South, 402 West Washington Street, Conference Center Room B, Indianapolis; AND on October 2, 2001 at 10:00 a.m., at the Indiana Government Center-South, 402 West Washington Street, Conference Center Room B, Indianapolis, Indiana the Fire Prevention and

Building Safety Commission will hold a public hearing on proposed amendments to the Indiana Fire Code, 1998 Edition. Copies of these rules are now on file at the Indiana Government Center-South, 402 West Washington Street, Room W246 and Legislative Services Agency, One North Capitol, Suite 325, Indianapolis, Indiana and are open for public inspection.

Patrick Ralston
Secretary
Fire Prevention and Building Safety Commission