

Final Rule

LSA Document #09-187(F)

DIGEST

Amends [675 IAC 22-2.4-4](#), [675 IAC 22-2.4-7](#), [675 IAC 22-2.4-10](#), [675 IAC 22-2.4-11](#), [675 IAC 22-2.4-14](#), [675 IAC 22-2.4-16](#), [675 IAC 22-2.4-25](#), [675 IAC 22-2.4-28](#), [675 IAC 22-2.4-34](#), and [675 IAC 22-2.4-35](#) and adds [675 IAC 22-2.4-45.1](#), concerning the 2008 Indiana Fire Code, to make substantive and clarifying changes. Effective 30 days after filing with the Publisher.

[675 IAC 22-2.4-4](#); [675 IAC 22-2.4-7](#); [675 IAC 22-2.4-10](#); [675 IAC 22-2.4-11](#); [675 IAC 22-2.4-14](#); [675 IAC 22-2.4-16](#); [675 IAC 22-2.4-25](#); [675 IAC 22-2.4-28](#); [675 IAC 22-2.4-34](#); [675 IAC 22-2.4-35](#); [675 IAC 22-2.4-45.1](#)

SECTION 1. [675 IAC 22-2.4-4](#) IS AMENDED TO READ AS FOLLOWS:

[675 IAC 22-2.4-4](#) Chapter 3; general precautions against fire**Authority:** [IC 22-13-2-2](#)**Affected:** [IC 22-12-7](#); [IC 22-13](#); [IC 22-14](#); [IC 36-8-17](#)

Sec. 4. Chapter 3 is amended as follows:

- (1) Delete Section 301.2 in its entirety without substitution.
- (2) Amend Section 304.1.2 by deleting the last sentence in its entirety without substitution.
- (3) Amend Section 304.2 by deleting the text and substituting the following: Storage of combustible rubbish shall not produce conditions that will create a fire hazard that endangers the safety of persons or property.
- (4) Amend Section 307.1.1 by deleting the text and substituting the following: Discontinuance. The fire chief is authorized to require open burning be immediately discontinued if such open burning constitutes a hazardous condition.
- (5) Amend Section 307.2 by deleting the text and substituting the following: Notification. Prior to commencement of open burning, the fire department having jurisdiction shall be notified.
- (6) Amend Section 307.2.1 by deleting the text and substituting the following: Material restrictions. Open burning of rubbish is prohibited.
- (7) Delete Section 307.3 in its entirety without substitution.
- (8) Amend Section 307.5 by deleting the text and substituting the following: Burning material shall be constantly attended by a person knowledgeable in the use of the fire-extinguishing equipment required by this section and familiar with any limitations that restrict open burning. An attendant shall supervise the burning material until the fire has been extinguished.
- (9) Amend Section 308.3 by deleting "obtaining a permit in accordance with Section 105.6" and substituting "notifying the fire department having jurisdiction".
- (10) Amend Section 308.3.1.1 by deleting the text between "having an LP gas container and LP-gas capacity", adding a number "1" before the exception, and adding a second exception: "2. Where buildings, balconies, and decks are protected by an automatic sprinkler system."
- (11) Amend Section 308.3.5 by deleting "in the opinion of the code official, adequate" and substituting "approved".
- (12) Amend Section 308.3.7 as follows:
 - (A) Delete the section heading "Group A Occupancies" and substitute "Affected Occupancies".
 - (B) In the first sentence, delete "a Group A Occupancy" and substitute "any occupancy other than Group R-2, apartment houses, convents, fraternities and sororities, hotels, monasteries, motels, and vacation time share properties, Group R-3 and Group R-4 occupancies".
- (13) Amend Section 308.4.1 by deleting the text and substituting the following: Prior to using a torch or flame-producing device to remove paint from a structure, the fire department having jurisdiction shall be notified.
- (14) Amend Section 308.5 by deleting all the text after "hazardous fire areas" in the first sentence and substituting "when approved".
- (15) Amend Section 310.2 by deleting the text and substituting the following: Whenever smoking constitutes a fire hazard in any area of piers, wharfs, warehouses, stores, industrial plants, institutions, schools, places of assembly, and in open spaces where combustible materials are stored or handled, the fire chief is authorized to order the owner or occupant to post approved NO SMOKING signs in each building, structure, room, or

place in which smoking is prohibited. Such signs shall be conspicuously and suitably located and shall be maintained.

Exceptions: 1. Buildings or structures that are smoke-free environments and are posted as such at all public and employee entrances.

2. No visible evidence of prohibited smoking exists within the building or structure.

(16) Delete Section 310.3 in its entirety without substitution.

(17) Delete Section 311.1.1 in its entirety without substitution.

(18) Amend Section 311.2.2 by deleting "in the opinion of the fire code official" in Exception 1 and substituting "where approved by the code official".

(19) Delete Section 311.5 in its entirety without substitution.

(20) Amend Section 315.1 by deleting the last sentence without substitution.

(21) Amend Section 315.2.1 by adding an exception: Exception: Sidewall storage to a maximum depth of thirty (30) inches (seventy-six and two-tenths (76.2) centimeters) of in-rack storage shall be acceptable to the ceiling in ~~non-sprinkled~~ **nonsprinklered** buildings.

(22) Add a new section to read as follows: SECTION 316. CARNIVALS AND FAIRS

316.1 General. The grounds of carnivals and fairs, including concession booths, shall be in accordance with Section 316.

316.2 Grounds.

316.2.1 General. Grounds shall be in accordance with Section 316.2.

316.2.2 Access. Fire apparatus access roads shall be provided in accordance with Section 503.

316.2.3 Fire appliances.

316.2.3.1 General. Fire appliances shall be provided for the entire midway, as approved by the chief.

316.2.3.2 Location. Maximum travel distance to a portable fire extinguisher shall not exceed seventy-five (75) feet (twenty-two and eighty-six hundredths (22.86) meters).

316.2.4 Electrical equipment. Electrical equipment and installations shall comply with the Electrical Code ([675 IAC 17](#)).

316.3 Concession Stands.

316.3.1 General. Concession stands shall be in accordance with Section 316.3.

316.3.2 Location. Concession stands utilized for cooking shall have a minimum of ten (10) feet (three and forty-eight thousandths (3.048) meters) of clearance on two (2) sides and shall not be located within ten (10) feet (three and forty-eight thousandths (3.048) meters) of amusement rides or devices.

316.3.3 Fire extinguishers. A ~~40-B:C~~ **K-rated dry wet** chemical fire extinguisher shall be provided where deep-fat fryers are used.

316.3.4 Hinges, awnings, and braces must be safety keyed. Nails shall not be used for hinge or support pins.

316.3.5 When tent stakes and ropes extend into traffic areas, highly visible covers shall be provided.

316.4 Internal Combustion Power Sources.

316.4.1 General. Internal combustion power sources, including motor vehicles, generators, and similar equipment, shall be in accordance with Section 316.4.

316.4.2 Fueling. Fuel tanks shall be of adequate capacity to permit uninterrupted operation during normal operating hours. Refueling shall be conducted only when the ride is not in use.

316.4.3 Protection. Internal combustion power sources shall be isolated from contact with the public by either physical guards, fencing, or an enclosure.

316.4.4 Fire extinguishers. A minimum of one (1) fire extinguisher with a rating of not less than 2-A:10-B:C shall be provided.

316.4.5 Notification. The servicing fire department shall be notified not less than seventy-two (72) hours prior to the admission of the public.

316.4.6 Vehicular traffic. No vehicle except emergency fire or rescue equipment shall be permitted on the midway from the time the midway opens until closing (including owners, operators, vendors, and service vehicles).

(23) Add a new section to read as follows: SECTION 317 HAUNTED HOUSES AND SIMILAR TEMPORARY INSTALLATIONS

This section applies to haunted houses and similar installations set up for temporary use, not exceeding ninety (90) days. Any interior within a structure not designed for this specific use shall comply with the following and all other applicable rules:

(1) In any facility using the maze concept, there shall be no dead-end corridors and there shall be an obvious exit out of the maze for every fifty (50) feet (fifteen and twenty-four hundredths (15.24) meters) of linear travel. All stairways shall be illuminated at a level of at least one (1) foot-candle (eleven (11) lux).

(2) A group shall consist of twenty (20) individuals or fewer. Each group shall be accompanied or supervised by a staff person who is eighteen (18) years of age or older. This staff person shall have in his or her possession an operable flashlight and shall be completely familiar with the facility.

(3) There shall be no smoking allowed at any time by anyone inside the building.

(4) All electrical installations shall meet [675 IAC 17](#), the Indiana Electrical Code.

(5) The servicing fire department shall be contacted at least three (3) working days prior to the placing of the facility in operation for an inspection and planning of evacuation procedures. A sketch of the floor plan shall be provided to the servicing fire department to facilitate these procedures.

(6) The total number of occupants in the facility at any time shall be limited to the number allowed by the total exits from the installation, as determined by the Indiana Building Code ([675 IAC 13](#)) in effect at the time of construction of the building, building system, or alterations.

(7) Fire extinguishers shall be distributed throughout the building so that not more than seventy-five (75) feet (twenty-two and eighty-six hundredths (22.86) meters) must be traversed to each fire extinguisher.

(8) There shall be no open flame devices or temporary heaters used in the building.

(9) Automatic smoke detectors shall be installed in accordance with NFPA 72 ([675 IAC 22-2.2](#)). All smoke detectors shall be interconnected so that when one is activated, all are activated. When activated, the alarm shall be loud enough to be heard over all other sounds or the activation shall automatically shut down all sound devices within the facility.

(10) All areas of a maze shall be at least three (3) feet (ninety-one and four-tenths (91.4) centimeters) wide and five (5) feet (one and five hundred twenty-four thousandths (1.524) meters) high, except that a section not exceeding four (4) feet (one and twenty-two hundredths (1.22) meters) in length may be two (2) feet (sixty and ninety-six hundredths (60.96) centimeters) high and two (2) feet (sixty and ninety-six hundredths (60.96) centimeters) wide. There shall not be more than one (1) such four (4) foot (one and twenty-two hundredths (1.22) meter) section in every fifty (50) linear feet (fifteen and twenty-four hundredths (15.24) meters).

(11) All material used in all display areas of a haunted house and all material used in the construction of a maze shall be inherently flame resistant or made so by treatment with a flame retardant. All substances used to make materials flame resistant shall be applied in accordance with the manufacturer's instructions, and the containers and proof of purchase of the substances shall be retained for inspection by the code official.

(24) Add a new section to read as follows: SECTION 318 FIRE SAFETY IN RACETRACK STABLES

318.1 Scope. Racetrack stables shall be in accordance with this section.

318.2 Definitions

For purposes of this section, the following definitions apply:

ASSIGNED BARN. The barn area where a trainer has been allocated stalls and space for the trainer's horses and equipment.

ASSISTANT TRAINER. The person next to the listed trainer of record, and the one who frequently handles the day-to-day affairs in training a horse or horses.

CONCESSIONAIRES. The holders of a concession, such as the track kitchen, granted by the racetrack management.

HALTER. Piece of equipment that fits around a horse's head, like a bridle, but lacking a bit. It is used in handling horses around the stable. In the event of a fire, horses can be led from stalls by halters.

MECHANICAL HOTWALKER. An electrical device that automatically walks a horse or several horses in a circle with an approximate radius of ten (10) to fifteen (15) feet (three and forty-eight thousandths (3.048) to four and fifty-seven hundredths (4.57) meters).

MIXED OCCUPANCY. A building or stable area where both horses and humans reside.

RACETRACK MANAGEMENT. The persons who control or execute the affairs of the track itself.

TACK. Stable gear; also rider's racing equipment.

TACK ROOM. A storage area for tack and stable equipment.

TRACK SECURITY. Persons employed to protect racetrack property and to ensure the proper passage of licensed personnel; track security may be internal or external.

TRAINER. The person responsible for the care and training of a horse or horses.

318.3 Management responsibilities.

318.3.1 All trainers or a designated assistant and all concessionaires or a designated assistant shall serve as liaison between the track security and fire protection supervisors and the employees of the trainers and concessionaires.

318.3.2 All trainers or their assistants and all concessionaires or their assistants shall acquaint themselves with and brief their employees as to the following:

(1) Smoking regulations.

(2) Location of fire alarm notification system devices in the immediate area of an assigned barn.

(3) Location of all fire extinguishers and extinguishing equipment in assigned barn area.

(4) Regulations regarding occupancy, use of extension cords for extending electrical circuits, and use of electrical appliances.

(5) Regulations regarding storage and use of feed, straw, tack, and supplies.

(6) Track regulations with regard to fire and security, copies of which shall be provided to all trainers or their

assistants and concessionaires or their assistants. These regulations shall be used in instructing members of the trainers' and concessionaires' staffs assigned to the barn area.

318.3.3 Open burning. Open burning is prohibited. Open flame heating devices are prohibited. Un-vented portable oil-burning heating appliances are not permitted in stables.

318.3.4 Smoking. Smoking is prohibited in assigned barns. Approved "No Smoking" signs shall be posted in assigned barns.

318.3.5 Trash removal. All combustible trash and waste shall be removed from all buildings daily. Noncombustible trash and waste containers shall be provided for other than stall waste and shall be emptied daily.

318.3.6 Hay or straw storage. Storage shall not exceed the amount for two (2) days' use by the horses in the assigned barn. All other hay and straw must be in a separate, approved outside storage area. Hay and straw piles shall not exceed twenty (20) bales (rectangular) per pile and shall not exceed seven (7) feet (two and thirteen-hundredths (2.13) meters) in height. Each pile must be separated by a distance of not less than fifty (50) feet (fifteen and twenty-four hundredths (15.24) meters). Hay and straw shall not be stored in aisle space or in aisles.

318.3.7 Electrical systems and appliances.

318.3.7.1 The use of any portable electrical appliance shall be as follows:

(1) Multiple-outlet adapters are prohibited.

(2) Not more than one (1) continuous extension cord shall be used to connect one (1) appliance to the fixed electrical receptacle, and such cord shall be listed for hard service and properly sized for the intended application.

(3) Extension cords shall not be used as a substitute for permanent wiring.

318.3.7.2 Extension cords shall not be supported by any metal object, such as a nail, screw, hook, or pipe.

318.3.7.3 Plug caps and receptacles used in extension cords shall be heavy-duty type equipped with a reliable grounding pole and attached to the cord in a manner to provide strain relief.

318.3.7.4 All electrical appliances used in the stable area shall be listed for the use.

318.3.7.5 Outdoor electrical appliances, for example, mechanical hotwalkers, served by the barn electrical system shall be installed in accordance with the Indiana Electrical Code ([675 IAC 17](#)).

318.3.7.6 Portable cooking and heating appliances shall not be used in assigned barns.

318.3.7.7 Use of exposed-element heating appliances is prohibited.

318.3.7.8 The storage of flammable and combustible liquids, except those used for medicinal purposes, is prohibited.

318.3.7.9 Vehicles shall not be permitted in assigned barns. Aisles shall be maintained clear of obstructions at all times, and access to fire equipment shall not be blocked.

318.4 Animal evacuation.

318.4.1 Every horse shall wear a halter at all times while inside the assigned barn.

318.4.2 Horses shall be restricted to ground level stalls.

318.4.3 An assigned barn escape plan shall be established for each stable building.

318.4.4 The assigned barn escape plan shall be posted by each exit from the assigned barn, and a copy shall be given to all stall renters.

318.4.5 A fire safety and evacuation drill shall be conducted quarterly for employees only.

318.4.6 A predetermined location shall be designated for placement of horses when they are evacuated from the assigned barns.

318.4.7 Racetrack management shall ensure that all employees are trained in the assigned barn escape plan.

318.5 Where automatic sprinklers are installed, they shall be installed, tested, and maintained in accordance with the applicable rules of the commission.

318.6 Fire extinguishers shall be provided in all assigned barns as follows:

(1) Fire extinguishers shall have a minimum 2A rating.

(2) Fire extinguishers shall be placed so that travel distance shall be not more than seventy-five (75) feet (twenty-two and eighty-six hundredths (22.86) meters) from any point within a building.

(3) Fire extinguishers within twenty (20) feet (six and ninety-six thousandths (6.096) meters) of electrical control boxes shall have a Class C rating.

(4) Fire extinguishers shall be installed, tested, and maintained in accordance with the applicable rules of the commission.

(Fire Prevention and Building Safety Commission; [675 IAC 22-2.4-4](#); filed Mar 18, 2008, 2:30 p.m.: [20080423-IR-675070478FRA](#), eff 90 days after filing with the Publisher; filed Oct 27, 2009, 2:39 p.m.: [20091125-IR-675090187FRA](#))

SECTION 2. [675 IAC 22-2.4-7](#) IS AMENDED TO READ AS FOLLOWS:

Authority: [IC 22-13-2-2](#)Affected: [IC 22-12-7-6](#); [IC 22-13](#); [IC 22-14](#); [IC 36-8-17-9](#)

Sec. 7. Chapter 6 is amended as follows:

(1) Delete Section 601.2 without substitution.

(2) Amend Section 602, Definitions, to delete the definition for "Commercial Cooking Appliances" and insert "See the 2008 Indiana Mechanical Code".

~~(2)~~ **(3)** Amend Section 603.3.1 by deleting "NFPA 31" and substituting "Chapter 34 of this code".

~~(3)~~ **(4)** Amend Section 603.3.3 by deleting "NFPA 31" and substituting "Chapter 34 of this code".

~~(4)~~ **(5)** Amend Section 603.4 by deleting the text and substituting the following: The use of listed portable unvented oil burning heating appliances shall be limited to supplemental heating in detached single family residences.

Exception: Upon approval of the code official, portable unvented oil-burning heating appliances may be permitted in any occupancy during the construction process when such is necessary for the construction and the use does not represent a hazard of life or property.

~~(5)~~ **(6)** Amend Section 603.6.1 by deleting the text and substituting the following: Masonry chimneys that, upon inspection, are found to be without a flue liner and that have open mortar joints that will permit smoke or gases to be discharged into the building, or that are cracked as to be dangerous, shall be repaired or relined with a chimney liner system installed in accordance with the manufacturer's installation instructions or a flue lining system installed in accordance with the requirements of the International Building Code and appropriate for the intended class of chimney service.

~~(6)~~ **(7)** Amend Section 603.7 by deleting and substituting the following:

(A) Delete "fire" in the first and second sentences.

(B) Delete the words after "appliances" in the first sentence.

(C) Insert "in accordance with [IC 22-12-7-6](#) or [IC 36-8-17-9](#)" between "measures" and "to" in the second sentence.

(D) Delete "without notice" after "appliance" in the second sentence.

~~(7)~~ **(8)** Amend Section 603.8.5 by deleting the text and substituting the following: The fire chief is authorized to require incinerator use to be immediately discontinued if the use of the incinerator constitutes a hazardous condition.

~~(8)~~ **(9)** Amend Section 604.1 by deleting and substituting the following:

(A) Delete "NFPA 110 and NFPA 111".

(B) Delete "original approval" and substitute "rules of the commission".

~~(9)~~ **(10)** Amend Section 604.1.1 by deleting "in accordance with UL 2200" and substituting "for their intended use".

~~(10)~~ **(11)** Amend Section 604.2.6 by inserting "as is currently adopted by the commission" after "A18.1".

~~(11)~~ **(12)** Amend Section 604.2.15.1.1, Exception, by inserting, after "pipelines", "or propane gas lines".

~~(12)~~ **(13)** Amend Section 604.3 by deleting "NFPA 110 and NFPA 111" and substituting "the rules of the commission".

~~(13)~~ **(14)** Amend Section 604.5 by deleting "properly instructed" and inserting "trained".

~~(14)~~ **(15)** Amend Section 605.3 by deleting Exception 2 without substitution.

~~(15)~~ **(16)** Amend Section 605.4.1 by deleting "in accordance with UL 1363" without substitution.

~~(16)~~ **(17)** Amend Section 605.5.1 by deleting "power tap or multi-plug adapter" without substitution.

~~(17)~~ **(18)** Amend Section 606.5 by deleting "as required by the code official" without substitution.

~~(18)~~ **(19)** Amend Section 606.6.1 by deleting "and as required by the code official" without substitution.

~~(19)~~ **(20)** Amend Section 606.7 by inserting "as adopted by the commission" after "NFPA 704".

~~(20)~~ **(21)** Amend Section 606.10.1.2 by deleting "When required by the code official" without substitution.

~~(21)~~ **(22)** Amend Section 606.10.2.1 by deleting "effected" and substituting "affected".

~~(22)~~ **(23)** Amend Section 606.10.2.2 by deleting "effected" and substituting "affected".

~~(23)~~ **(24)** Amend Section 606.12.3 by deleting the text from Exception 2 and substituting the following: 2. When the code official determines, upon review of an engineering analysis prepared in accordance with Section 104.7.2, that a fire or explosion hazard would not result from discharging ammonia directly to atmosphere.

~~(24)~~ **(25)** Amend Section 606.14 by deleting the text and substituting the following: The code official shall be notified immediately when a discharge becomes reportable under Section 2703.3.1.

~~(25)~~ **(26)** Amend Section 607 by deleting the text and substituting the following: See the Indiana Elevator Code ([675 IAC 21](#)).

(27) Amend Section 609.1 to delete "International Mechanical Code" and insert "Indiana Mechanical

Code" and insert as a second sentence "Commercial cooking systems shall be operated and maintained in accordance with Section 904.11.6."

(Fire Prevention and Building Safety Commission; [675 IAC 22-2.4-7](#); filed Mar 18, 2008, 2:30 p.m.: [20080423-IR-675070478FRA](#), eff 90 days after filing with the Publisher; filed Oct 27, 2009, 2:39 p.m.: [20091125-IR-675090187FRA](#))

SECTION 3. [675 IAC 22-2.4-10](#) IS AMENDED TO READ AS FOLLOWS:

[675 IAC 22-2.4-10](#) Chapter 9; fire protection systems

Authority: [IC 22-13-2-2](#)

Affected: [IC 22-12-1-4](#); [IC 22-12-1-5](#); [IC 22-12-7](#); [IC 22-13](#); [IC 22-14](#); [IC 36-8-17](#)

Sec. 10. Chapter 9 is amended as follows:

(1) Amend Section 901.2 by deleting the text and substituting the following: Complete plans and specifications for fire alarm systems; fire-extinguishing systems, including automatic sprinklers, wet and dry standpipes; halon systems and other special types of automatic fire-extinguishing systems; basement pipe inlets; and other fire protection systems and appurtenances thereto shall be submitted for review prior to system installation in accordance with [675 IAC 12-6](#) and with the local unit of government where required by local ordinance. Plans and specifications for fire alarm systems shall include,

- (A) a floor plan;
- (B) location of all alarm-initiating and alarm signaling devices;
- (C) alarm control and trouble-signaling equipment;
- (D) annunciation;
- (E) power connection;
- (F) battery calculations;
- (G) conductor type calculations;
- (H) voltage drop calculations;
- (I) manufacture, model numbers, and listing information for all equipment, devices, and materials; and
- (J) any other documentation necessary to evidence that the system will perform in compliance with the rules of the Commission.

(2) Amend Section 901.2.1 by deleting "where required by the code official".

(3) Delete Section 901.3 in its entirety without substitution.

(4) Amend Section 901.4 by deleting text after the first sentence and substituting to read as follows: Alterations to fire protection systems shall be done in accordance with the applicable rules of the commission.

(5) Delete Section 901.4.3 in its entirety without substitution.

(6) Amend Section 901.5 by deleting "and as approved by the code official".

(7) Amend Section 901.7 by deleting "where required by the code official".

(8) Amend Section 901.7.3 by deleting the last sentence without substitution.

(9) Amend Section 901.8 by deleting ", or where approved by the fire code official".

(10) Amend Section 901.8.1 by deleting "direction" and substituting "request".

(11) Amend Section 902 to make the following changes:

(A) Delete the text of the following definitions and substitute as follows:

ALARM SIGNAL. An audible or visual signal indicating the existence of an emergency requiring immediate action.

BUILDING OFFICIAL. See Code Official.

FIRE ALARM SYSTEM. A combination of approved equipment which with operation of an alarm initiating device produces an alarm signal.

(B) Add the following definition to read as follows: 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 or production of labeled equipment or materials and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

(C) Delete the definition of RECORD DRAWINGS without substitution.

(12) Amend Section 903.1.1 by deleting the text and substituting the following "See [675 IAC 12-6-11](#)".

(13) Amend Section 903.2.1.3 as follows:

(A) Change the exception by adding "1" in front of it.

(B) Add Exception 2 to read as follows: 2. Fire areas not exceeding 7,000 square feet (650.3 m²) used primarily for worship with or without fixed seating and not used for exhibition or display, and the fire area is not located on a floor level other than that of exit discharge.

(C) Add Exception 3 to read as follows: Exception 3. For purposes of determining the level of exit discharge, mezzanines of 2,000 square feet or less in area in compliance with Section 505 of the Indiana Building Code shall be considered a portion of the story below if the total floor area and occupant load, including the mezzanine, are compliant with both conditions (1) and (2).

- (14) Amend Section 903.2.5 as follows:
- (A) Change the exception by adding the number "1." in front of it.
 - (B) Add Exception 2 to read as follows: 2. In jails, prisons, and reformatories, the piping system may be dry provided a manually operated valve is installed at a continuously monitored location. Opening the valve will cause the system to be charged. The valve may be located in a locked cabinet or enclosure provided the activation of a sprinkler unlocks the cabinet or enclosure.
- (15) Amend Section 903.3.1.1.1 as follows:
- (A) In #2 delete ", when approved by the fire code official".
 - (B) Delete the text of item 4 and substitute the following: Elevator equipment rooms and hoistways used exclusively for the operation of elevators and that are separated from the remainder of the building by two (2) hour fire resistive construction. Penetrations between machine rooms and hoistways necessary for the safe operation of an elevator and vents required by Section 3004 of this code need not be fire-rated.
- (16) Amend Section 903.3.1.2 by inserting "Occupancies" after "Group R".
- (17) Delete Section 903.3.1.3 in its entirety without substitution.
- (18) Amend Section 903.3.5.1.1, in number 1, Exception, by deleting "An approved" and substituting "A listed".
- (19) Amend Section 903.3.6 by deleting the text and substituting the following: Fire hose threads used in connection with automatic sprinkler systems shall be compatible with the equipment used by the servicing fire department.
- (20) Amend Section 903.3.7 by deleting the text and substituting the following: The servicing fire department shall be consulted before placing the fire department hose connections at specific locations.
- (21) Amend Section 903.4 by deleting Exception 1 in its entirety without substitution.
- (22) Amend Section 903.4.2 by deleting the text and substituting the following: Listed audible and visible devices shall be connected to every automatic sprinkler system. Such sprinkler water flow alarm devices shall be activated by water flow equivalent to the flow of a single sprinkler of the smallest orifice size installed in the system. Alarm devices shall be provided on the exterior of the building facing the public street, road, or highway that is in accordance with its legal address. Where buildings are not directly facing the public street, road, or highway or are in excess of two hundred fifty (250) feet from the public street, road, or highway, the servicing fire department shall be consulted in determining a location prior to the installation of the exterior audible and visible device. Where a fire alarm system is installed, actuation of the automatic sprinkler system shall actuate the building fire alarm system.
- Exception: Sprinkler systems that are monitored by an approved supervisory station are not required to have the listed audible and visible device located on the exterior wall facing the public street, road, or highway.
- (23) Amend Section 903.4.3 as follows:
- (A) Delete "approved" and substitute "a listed".
 - (B) Delete "high-rise buildings" and substitute "buildings 4 stories or more in height".
- (24) Delete Section 903.6 in its entirety without substitution.
- (25) Amend Section 904.2 by deleting "approved by the code official" and substituting "in accordance with the rules of the commission".
- (26) Amend Section 904.2.1 by deleting "610" and substituting "609" after "Section".
- (27) Amend Section 904.11.6.5 as follows:
- (A) Add a "#1" before the exception.
 - (B) Add a second exception to read as follows:
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 4006.4. **609.**
- (28) Amend Section 905.1 as follows:
- (A) Delete "approved" and substitute "listed" in the second sentence.
 - (B) Add "the servicing" between "with" and "fire" in the second sentence.
 - (C) Delete "approved" and substitute "in accordance with Section 912.2" in the third sentence.
- (29) Amend Section 905.2 by adding an exception to read as follows: Exception: In other than high rise buildings where buildings are sprinklered in accordance with Section 903.3.1.1, the water supply pressure for the standpipe system is not required to exceed the pressure requirements for the sprinkler system.
- (30) Add a new Section 905.2.1 to read as follows: 905.2.1, Fire Department Connections. The location of fire department connections shall be in accordance with Section 903.3.7.
- (31) Amend Section 905.3.1 to delete the text of Exception 3 and insert as follows: 3. Class I manual dry

standpipes are allowed in open parking garages that are subject to freezing temperatures. Standpipes shall be provided in accordance with Section 905.4, and hose connections shall meet the spacing requirements for Class II standpipes in accordance with Section 905.5.

(32) Add a new Section 905.3.1.1 to read as follows: 905.3.1.1, Building Area. In buildings exceeding 10,000 square feet in area per story, Class I automatic wet or manual wet standpipes shall be provided where any portion of the buildings interior is more than 200 feet of travel, vertically or horizontally, from the nearest point of fire department vehicle access.

Exceptions:

1. Buildings equipped throughout with automatic sprinkler systems installed in accordance with Section 903.3.1.1.
2. Group A-4, A-5, F-2, R-2, S-2, or U Occupancies.
3. Automatic dry and semiautomatic dry standpipes are allowed for in NFPA 14.

(33) Amend Section 905.3.4.1 by deleting the text and substituting the following: Proper cap and chain shall be provided for the hose connection valve assembly. Hose connection valve assembly shall comply with the provisions in Section 903.3.6.

(34) Amend Section 905.4 to read as follows:

(A) Delete item 1 and substitute as follows: 1. In every required stairway, a hose connection shall be provided for each floor level above or below grade. Hose connections shall be located at an intermediate floor level landing between floors. Where there are multiple intermediate floor landings between floors, hose connections shall be located at the landing closest to being midway between floors. If intermediate floor level landings are not provided in the required stairway, the hose connection shall be located on the floor-level landing.

(B) Delete item 5 and substitute as follows: 5. Where the roof has a slope less than four (4) units vertical in twelve (12) units horizontal, one (1) standpipe shall be provided with a hose connection located either on the roof or at the highest landing of the stairways with stair access to the roof. Two (2) hose connections shall be provided for testing. The control valve for the standpipes extending on to the roof may be located in the stair enclosures.

(C) Delete item 6 and substitute as follows: 6. Where the most remote portion of a nonsprinklered floor or story is more than one hundred fifty (150) feet from a hose connection or the most remote portion of a sprinklered floor or story is two hundred (200) feet from a hose connection, additional hose connections shall be provided in exit passageways which are 1-hour rated.

(35) Amend Section 905.8 by deleting the text and substituting the following: In buildings requiring standpipes, dry standpipes complying with NFPA 14 ([675 IAC 13-1-8](#)) are permitted when the building or structure is unheated and the standpipe is subject to freezing temperatures.

(36) Delete Section 905.11 in its entirety without substitution.

(37) Amend Section 906.1 by deleting the text and substituting to read as follows: Portable fire extinguishers shall be installed where required by TABLE 906.1 and where required by local ordinance.

(38) Amend Section 907.1.1 by deleting the text and substituting to read as follows: See the General Administrative Rules ([675 IAC 12-6](#)).

(39) Amend Section 907.2.1.1 by deleting the exception without substitution.

(40) Amend Section 907.2.3 as follows:

(A) Delete Exception 2.3 and substitute the following: 2.3 Shops and laboratories involving dust or vapors are protected by heat detectors or other listed detection devices.

(B) Amend Exception 2.6 by deleting ", except in locations specifically designated by the building official" without substitution.

(41) Amend Section 907.2.7 by inserting, in Exception 1, "not" before "required".

(42) Add a new section to read as follows: Section 907.2.10.1.1.1, R-1 Hotels and Motels.

(1) This section only applies to hotels and motels.

(2) All hotels and motels must have functional smoke detectors and comply with this section and Section 907.2.10.1.1.

(3) Except as provided in (6), a detector must be installed in all interior corridors adjacent to sleeping rooms and must be spaced no further apart than thirty (30) feet (nine and one hundred forty-four thousandths (9.144) meters) on center or more than fifteen (15) feet (four and five hundred seventy-two thousandths (4.572) meters) from any wall.

(4) The detectors must be hard wired into a building's electrical system, except as provided in (6).

(5) The detectors must be wired in a manner that activates all the devices in a corridor when one is activated, except as provided in (6).

(6) All single level dwellings, all seasonably occupied dwellings, and all hotels and motels with twelve (12) sleeping rooms or less (and containing no interior corridors) are exempt from the requirements of (3), (4), and (5). In such units:

(A) A detector must be installed in each sleeping room; and

(B) The detector may be battery operated, when allowed by Section 907.2.10.2.

If a battery operated detector is installed, it must contain a tamper resistant cover to protect the batteries.

For the purpose of Section 907.2.10.1.1.1, the following definitions shall apply:

DWELLING means a residence with at least one (1) dwelling unit as set forth in [IC 22-12-1-4\(a\)\(1\)\(B\)](#) and [IC 22-12-1-5\(a\)\(1\)](#).

HOTELS AND MOTELS means buildings or structures kept, maintained, used, advertised, or held out to the public as inns or places where sleeping accommodations are furnished for hire for transient guests.

SEASONALLY OCCUPIED DWELLINGS means hotels and motels open to the public for occupancy by guests only during any period of time between April 15 and October 15 each year.

SINGLE LEVEL DWELLING means all single level (not more than one (1) level above ground) hotels and motels that have no interior corridors and whose individual rooms have exterior exits.

(43) Amend Section 907.2.10.1.2 by deleting "and maintained" without substitution.

(44) Amend Section 907.2.15 by deleting the text and substituting the following: When special egress-control devices or systems are installed, such devices or systems shall be maintained in accordance with the building code requirements for the original installation.

(45) Delete Section 907.3 in its entirety without substitution.

(46) Amend Section 907.4.5 by deleting the text and substituting the following: Listed manual fire alarm box protective covers may be installed when approved.

(47) Delete Section 907.8 in its entirety without substitution.

(48) Amend Section 907.9.1 by deleting the text and substituting the following: A zoning indicator panel and associated controls shall be provided in a location the servicing fire department will use as their main entrance point to the building. The panel shall be identifiable and accessible at all times. The visual zone indication shall lock in until the system is reset and shall not be canceled by the operation of an audible alarm-silencing switch.

(49) Amend Section 907.10.1.1 by adding "areas" after "public" in the title.

(50) Amend Section 907.15 by deleting the text and inserting the following: Where required by this chapter or by local ordinance, an approved supervising station in accordance with NFPA 72 ([675 IAC 28-1-28](#)) shall monitor fire alarm systems.

(51) Amend Section 907.16 by deleting the text and substituting the following: Automatic telephone-dialing devices used to transmit an emergency alarm shall not be connected to any fire department telephone number unless approved by the code official and the fire department.

(52) Delete Section 907.18 in its entirety without substitution.

(53) Delete Section 907.19 in its entirety without substitution.

(54) Amend Section 907.20.1 by deleting "applicable NFPA requirements or as directed by the code official" and substituting "the rules of the commission".

(55) Amend Section 907.20.2 by deleting all the text after "NFPA 72" without substitution.

(56) Amend Section 909.2 by deleting the text and substituting as follows:

(A) Buildings, structures, or parts thereof required by this code to have a smoke control system or systems shall have such systems designed in accordance with the applicable requirements of Section 909 and other applicable rules of the commission. Construction documents shall be as required by the General Administrative Rules ([675 IAC 12-6](#)).

~~(B) Delete Equation 9-8 in its entirety without substitution.~~

(57) Amend Section 909.3 by deleting the text and substituting the following: For inspections and testing, see the General Administrative Rules ([675 IAC 12-6-6\(c\)\(10\)\(D\)](#)).

(58) Amend Section 909.9.2 to delete Equation 9-8 in its entirety without substitution.

~~(58)~~ **(59)** Amend Section 909.10.2, in the third sentence, by deleting "nationally accepted" and substituting "approved practices".

~~(59)~~ **(60)** Amend Table 910.3 to read as follows: Revise the section references in column 1, rows 3 through 6 of the table, by deleting "910.2.3" and substituting "910.2.2".

~~(60)~~ **(61)** Amend Section 909.15 by deleting the text and substituting the following: Identical control diagrams showing all devices in the system and identifying their location and function shall be maintained current and kept on file with the building official, the servicing fire department, and in the fire command center in an approved manner and format.

~~(61)~~ **(62)** Amend Section 909.18.8 by deleting the text and substituting: See the General Administrative Rules ([675 IAC 12-6-6\(c\)\(10\)\(D\)](#)).

~~(62)~~ **(63)** Amend Section 909.19 by deleting the title and text and substituting the following: Acceptance test. Smoke removal systems shall be tested in accordance with the rules of the commission at the expense of the owner or owner's representative. When requested by the servicing fire department and/or local building official, such tests shall be conducted in their presence. Prior to conducting such tests, the requesting official shall be given at least 48-hour notice. It shall be unlawful to occupy portions of the structure until the required smoke removal system within that portion of the structure has been completed, successfully tested, and is fully

operational with appropriate reports and other documentation provided to the servicing fire department and/or local building official.

~~(63)~~ **(64)** Amend Section 910.2.1 by deleting "repair" in the exception.

~~(64)~~ **(65)** Amend Section 910.3.2.2 by deleting the text and substituting the following: Where installed in buildings equipped with an approved automatic sprinkler system, smoke and heat vents shall open by approved manual releases. The servicing fire department shall be consulted in determining location of such manual releases prior to the installation of the smoke and heat vents.

~~(65)~~ **(66)** Amend Section 910.4 by deleting the text and substituting the following: In buildings protected throughout with an approved automatic sprinkler system, manually operated exhaust fans may be utilized for fire department mop-up operations. The exhaust rate shall be equal to one (1) cfm per square foot of floor area. The fans shall be wired ahead of the main building disconnect switch. Manual controls for the fans shall be provided individually for each fan unit. The servicing fire department shall be consulted in determining the location of the controls for the exhaust fans.

~~(66)~~ **(67)** Amend Section 912.2 by deleting "The location of fire department connections shall be approved" and substituting "The servicing fire department shall be consulted before placing the fire department hose connections at specific locations, or the connections shall be placed as required by local ordinance".

~~(67)~~ **(68)** Amend Section 912.2.2 by deleting "subject to the approval of" and inserting "approved by" in the last sentence.

~~(68)~~ **(69)** Amend Section 912.3.1 by deleting "The fire code official is authorized to require" and inserting, after "systems" and before "where", "shall be required".

(Fire Prevention and Building Safety Commission; [675 IAC 22-2.4-10](#); filed Mar 18, 2008, 2:30 p.m.: [20080423-IR-675070478FRA](#), eff 90 days after filing with the Publisher; filed Oct 27, 2009, 2:39 p.m.: [20091125-IR-675090187FRA](#))

SECTION 4. [675 IAC 22-2.4-11](#) IS AMENDED TO READ AS FOLLOWS:

[675 IAC 22-2.4-11](#) Chapter 10; means of egress

Authority: [IC 22-13-2-2](#)

Affected: [IC 22-11-17-2](#); [IC 22-12-7](#); [IC 22-13](#); [IC 22-14](#); [IC 36-8-17](#)

Sec. 11. Chapter 10 is amended as follows:

(1) Amend Section 1001.2 by deleting the text and substituting the following: See the General Administrative Rules ([675 IAC 12-4-12](#)).

(2) Amend Section 1002 by adding the following definition **definitions**:

(A) after "Handrail", insert ICC A117.1. Chapter 11 of the Indiana Building Code ([675 IAC 13](#)); and

(B) after "Exit Discharge, Level of", insert "Exit Discharge, Level of (for purposes of applying the fire protection system requirements of Chapter 9) means an exterior stair or ramp with four feet or less of total rise is considered at all points at the level of discharge".

(3) Amend Section 1004.1.1 by deleting the exception without substitution.

(4) Amend Section 1004.2 to delete the text and insert as follows: Increased Occupant Load. The occupant load permitted in any building, or portion thereof, is permitted to be increased from that number established for the occupancies in Table 1004.1.1, provided that all other requirements of this code are also met based on such modified number and the occupant load does not exceed one occupant per 7 square feet (0.65 m2) of occupiable floor space. An aisle, seating, or fixed equipment diagram substantiating any increase in occupant load shall be submitted to the building official upon request.

(5) Amend Section 1007.2 as follows:

(A) Delete "one or more" and substitute "at least one".

(B) In item 6, delete "1021" and insert "1022".

(6) Amend Section 1007.6.2 by deleting "1021" and substituting "1022".

(7) Amend Section 1008.1 by deleting "1017.2" and substituting "1018.2".

(8) Amend Section 1008.1.1 by deleting Exception 8 in its entirety without substitution.

(9) Amend Section 1008.1.4, Exception 5, by deleting the text and substituting the following: 5. Exterior decks, patios, or balconies that are part of a **Type B** dwelling unit regulated under part 2 of Chapter 11 of the Indiana Building Code ([675 IAC 13](#)) and **units**, have impervious surfaces, and that are not more than four 4 inches ~~(one hundred two~~ (102 mm) below the finished floor level of the adjacent interior space of the dwelling unit.

(10) Delete Section 1008.1.3.4 Access-controlled egress doors in its entirety without substitution.

~~(10)~~ **(11)** Amend Section 1008.1.7, Exception 3, by deleting the text and substituting the following: 3. Doors within individual dwelling units in Groups R-2 and R-3 as applicable in Section 1001.1.

~~(11)~~ **(12)** Amend Section 1008.1.8.3 as follows:

(A) Delete Exception 2.3 in its entirety without substitution.

(B) Add Exception 5 to read as follows: 5. Licensed Health Care Facilities that comply with [IC 22-11-17-2](#).

~~(12)~~ **(13)** Amend Section 1008.1.8.6 by deleting the exception to item 4 without substitution.

(14) Add a new Section 1009.0.1 to read as follows: Stairs and ladders used to access areas used exclusively for mechanical equipment are exempt from this section.

~~(13)~~ **(15)** Amend Section 1009.3 as follows:

(A) Delete Exception 4 and substitute the following: 4. Within dwelling units in occupancies in Group R-3, as applicable in the Indiana Building Code ([675 IAC 13](#)), and within dwelling units in occupancies in Group R-2, as applicable in the Indiana Building Code ([675 IAC 13](#)), the maximum riser height shall be eight and one-fourth (8 1/4) inches (two hundred ten (210) mm), the minimum tread depth shall be nine (9) inches (two hundred twenty-nine (229) mm). A nosing not less than seventy-five hundredths (0.75) inch (nineteen and one-tenth (19.1) mm) but not more than one and twenty-five hundredths (1.25) inches (thirty-two (32) mm) shall be provided on stairways with solid risers where the tread is less than eleven (11) inches. In occupancies in Group U, which are accessory to an occupancy in Group R-3, as applicable in the Indiana Building Code ([675 IAC 13](#)), the maximum riser height shall be seven and seventy-five hundredths (7.75) inches (one hundred ninety-seven (197) mm) and the minimum tread depth shall be ten (10) inches (two hundred fifty-four (254) mm) and the nosing requirements shall remain the same as above.

(B) Amend Exception 5 by deleting the text and substituting the following: The replacement of existing stairways shall be in accordance with the General Administrative Rules ([675 IAC 12-9](#)).

~~(14)~~ **(16)** Add a new (14) to amend Section 1009.5.3 to delete the last sentence and insert as follows: The open space under exit stairways shall not be used for any purpose.

~~(15)~~ **(17)** Add a new Section 1009.12 to read as follows: Section 1009.12, Fire escapes. A fire escape that is used as an exit shall comply with the provisions of this section as follows:

(1) The fire escape shall not be the primary or the only exit.

(2) The fire escape shall not take the place of stairways required by the applicable rules of the commission or its predecessors in effect at the time the building was built.

(3) Access to a fire escape from a corridor shall not be through an intervening room.

Exception: Access through an intervening room may be permitted if the intervening door is not lockable and an exit sign is installed above the door directing occupants to the fire escape.

(4) No encumbrances or obstacles of any kind shall be placed on or in front of any fire escape.

(5) Fire escapes shall be kept clear and unobstructed and shall be maintained in a fully operational working condition at all times.

(6) Exit signs shall be maintained in accordance with the Indiana Fire Code, [675 IAC 22](#), or the code in effect at the time of construction. All doors and windows providing access to a fire escape shall be provided with signs stating "FIRE ESCAPE" in letters at least as large as those required for exit signs under the current rules of the commission.

(7) Fire escape stairways and their balconies shall support their dead load plus a live load of not less than one hundred (100) pounds per square foot (four hundred eighty-eight (488) kilograms per square meter) or a concentrated load of three hundred (300) pounds (one hundred thirty-six (136) kilograms) placed anywhere on the balcony or stairway so as to produce the maximum stress condition.

(8) Fire escape stairways and balconies shall be provided with a top and intermediate handrail on the open side. All stair and balcony railings shall support a horizontal force of not less than fifty (50) pounds per linear foot (seventy-four and four-tenths (74.4) kilograms per meter) applied to the top handrail.

(9) Documentation evidencing compliance with items (7) and (8) shall be maintained on site for review by the code official.

(10) Tubular fire escapes shall comply with items (1) through (9) and shall be kept rust free.

~~(16)~~ **(18)** Amend Section 1012.3 by adding an exception: Exception: Within Group R-2 dwelling units, the handgrip portion of handrails shall have a circular cross section of one and one-fourth (1 1/4) inches (thirty-two (32) mm) minimum to two and seven-eighths (2 7/8) inches (seventy-three (73) mm) maximum. Other handrail shapes that provide equivalent grasping surface are permissible. Edges shall have a minimum radius of one-eighth (1/8) inch (three and two-tenths (3.2) mm).

~~(17)~~ **(19)** Amend Section 1013.3 by deleting Exception 2 and substituting the following: 2. At elevated walking surfaces for access to and use of electrical, mechanical, or plumbing systems, fire department access doors required by the Indiana Fire Code ([675 IAC 22](#)) that are not a required exit, or equipment guards shall have balusters or be of solid materials such that a sphere with a diameter of 21 inches (533 mm) cannot pass through any opening.

~~(18)~~ **(20)** Amend Table 1016.1 as follows: Revise column 3 and add note c, as follows:

WITH SPRINKLER SYSTEM b (feet)

250 b

300 c

- 400 c
- 75 c
- 100 c
- 150 c
- 175 c
- 200 c
- 200 c

c. Buildings equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1.
(19) **(21)** Amend Section 1020.1.7 by adding "of the International Building Code" at the end of the last paragraph.

(20) **(22)** Amend Section 1022.2 by deleting "with no unprotected openings" in the first paragraph without substitution.

(24) **(23)** Amend Section 1023.5 by deleting "1023.3" and substituting "1024.3".

(22) **(24)** Amend Section 1025.12 as follows:

(A) Delete the text of Exception 1 and substitute to read as follows: In places of assembly or portions thereof without ramped or tiered floors for seating, portable and folding seats of any quantity, or permanent seats of 200 or fewer, shall not be required to be fastened to the floor.

(B) Delete the text of Exception 3 and substitute to read as follows: In places of assembly or portions thereof with ramped or tiered floors for seating, and where the seats include more than 200 permanent, portable or folding chairs in any combination of each individual ramped or tiered area, all seats on the ramped or tiered area shall be fastened together in groups of not fewer than three (3) or all seats shall be fastened to the floor.

(C) Delete the last sentence of Exception 4 without substitution.

(23) **(25)** Add a new section to read as follows:

(1) Section 1026.6. Exterior Rescue Access. Exterior access for fire department use in performing rescue operations when emergency escape and rescue openings are required shall comply with Sections 1026.6.1 and 1026.6.2.

(2) Section 1026.6.1. The exterior grade adjacent to emergency escape and rescue openings shall not have a slope of more than two (2) inches in twelve (12) inches. The grade requirement shall extend from the structure to a point that will allow the placement of a fire department ground ladder to the sill of the emergency escape and rescue opening when such ladder is placed at a seventy-five (75) degree angle maximum from the horizontal plane.

(3) Section 1026.6.2. No obstructions, such as wire, trees, shrubs, signs, cornices, overhangs, awnings, canopies, parking, or other features, shall be permitted.

Exception: Canopies and similar types of building features may be used as a portion of the rescue access system if the slope of the canopy does not exceed two (2) inches in twelve (12) inches and access as required in Section 1009.6.1 is provided from the ground to the top edge of the canopy.

(24) **(26)** Amend Section 1027.1 by deleting the text and substituting "See [675 IAC 12-4-9](#)".

(25) **(27)** Amend Section 1027.10 by deleting the text and substituting "See [675 IAC 12-4-9](#)".

(26) **(28)** Amend Section 1027.10.1 by deleting the text and substituting "See [675 IAC 12-4-9](#)".

(27) **(29)** Amend Section 1027.16.5 by deleting the last sentence without substitution.

(28) **(30)** Amend Section 1028.2 by deleting "subject to approval of" and substituting "approved by".

(29) **(31)** Amend Section 1028.7 by deleting "required" in the last sentence and substituting "requested".

(Fire Prevention and Building Safety Commission; [675 IAC 22-2.4-11](#); filed Mar 18, 2008, 2:30 p.m.: [20080423-IR-675070478FRA](#), eff 90 days after filing with the Publisher; errata filed Jul 9, 2008, 12:34 p.m.: [20080723-IR-675070478ACA](#); filed Oct 27, 2009, 2:39 p.m.: [20091125-IR-675090187FRA](#))

SECTION 5. [675 IAC 22-2.4-14](#) IS AMENDED TO READ AS FOLLOWS:

[675 IAC 22-2.4-14](#) Chapter 13; combustible dust-producing operations

Authority: [IC 22-13-2-2](#)

Affected: [IC 22-12-7](#); [IC 22-13](#); [IC 22-14](#)

Sec. 14. Chapter 13 is amended as follows:

(1) Delete Section 1301.2 in its entirety without substitution.

(2) Amend Section 1304.1 by deleting the text and substituting the following: See ~~[IC 36-8-17-6](#)~~. **Standards.**

The fire code official is authorized to enforce applicable provisions of the codes and standards listed in Table 1304.1 to prevent and control dust explosions.

(Fire Prevention and Building Safety Commission; [675 IAC 22-2.4-14](#); filed Mar 18, 2008, 2:30 p.m.: [20080423-IR-675070478FRA](#), eff 90 days after filing with the Publisher; filed Oct 27, 2009, 2:39 p.m.: [20091125-IR-675090187FRA](#))

SECTION 6. [675 IAC 22-2.4-16](#) IS AMENDED TO READ AS FOLLOWS:

[675 IAC 22-2.4-16](#) Chapter 15; flammable finishes

Authority: [IC 22-13-2-2](#)

Affected: [IC 22-12-7](#); [IC 22-13](#); [IC 22-14](#); [IC 36-8-17](#)

Sec. 16. Chapter 15 is amended as follows:

- (1) Delete Section 1501.2 in its entirety without substitution.
- (2) Amend Section 1502, in the definition of Spraying Space, by deleting the last sentence without substitution.
- (3) Amend Section 1504.3.2.5, in the definition of Clear Space, in Exceptions 1 and 2, by deleting "adequately" without substitution.
- (4) Amend Section 1505.3.2 as follows:
 - (A) Amend the exception to number it #1.
 - (B) Add a second exception to read as follows: Exception 2. Bottom drains shall not be required for tanks that are equipped with automatic closing covers in accordance with Section 1505.7.
- (5) Amend Section 1504.3.2.5 to delete "in the definition of clear space" without substitution.**
- ~~(5)~~ **(6)** Amend Section 1505.4.1 by deleting "1505.7" and substituting "1505.3.4".
- ~~(6)~~ **(7)** Amend Section 1505.9.1 by deleting the text and substituting the following: Tanks shall be located an approved distance from furnaces and combustible floors and shall not be located on combustible floors.
- ~~(7)~~ **(8)** Amend Section 1507.3.1 Barriers by deleting "adequately grounded" and substituting "grounded in an approved manner".

(Fire Prevention and Building Safety Commission; [675 IAC 22-2.4-16](#); filed Mar 18, 2008, 2:30 p.m.: [20080423-IR-675070478FRA](#), eff 90 days after filing with the Publisher; filed Oct 27, 2009, 2:39 p.m.: [20091125-IR-675090187FRA](#))

SECTION 7. [675 IAC 22-2.4-25](#) IS AMENDED TO READ AS FOLLOWS:

[675 IAC 22-2.4-25](#) Chapter 24; tents, canopies, and other membrane structures

Authority: [IC 22-13-2-2](#)

Affected: [IC 22-12-7](#); [IC 22-13](#); [IC 22-14](#); [IC 36-8-17](#)

Sec. 25. Chapter 24 is amended as follows:

- (1) Amend Section 2401.1 by deleting the text in its entirety and substituting the following: Except as otherwise provided in Sections 2404.7, 2404.15.5, and 2404.15.6, tents and membrane structures having an area in excess of 200 square feet and canopies in excess of 400 square feet shall be in accordance with Chapter 24.
Exception: Tents and membrane structures used exclusively for recreational camping purposes.
- (2) Amend Section 2402.1 by adding the following definitions:
COMMERCIAL FOOD HEAT PROCESSING APPLIANCES. See the ~~2003~~ **2008** Indiana Mechanical Code (~~[675 IAC 18-1.4](#)~~; [675 IAC 18-1.5](#)).
COOKING. Cooking means to prepare food using processes such as: boiling, roasting, baking, broiling, and frying by a method of exposure to flame or heat that prepares food suitable for consumption.
OPEN OR EXPOSED FLAME EQUIPMENT. Open or exposed flame equipment means equipment with flame that is visible during the ordinary use of the equipment or device.
- (3) Delete Section 2403.2 in its entirety without substitution.
- (4) Amend Section 2403.3 by adding the following two (2) sentences: A tent, canopy, temporary membrane structure, air-supported or air-inflated structure with an occupant load of 50 or more shall be considered a place of assembly. Open or exposed flame equipment shall not be permitted in a place of assembly.
- (5) Delete Section 2403.4 in its entirety without substitution.
- (6) Amend Section 2403.5 by deleting "180" and substituting "30".
- (7) Amend Section 2403.6 by deleting "with each application for approval" and substituting "to the fire department having jurisdiction".

(8) Amend Section 2403.7.1 by deleting the text in its entirety and substituting the following: An inspection report shall be made available to the fire department having jurisdiction and shall consist of maintenance, anchors, and fabric inspections.

(9) Amend Section 2403.8.1 by deleting the text in its entirety and substituting the following: Fire apparatus access roads shall be provided in accordance with Section 503 and shall extend to within 150 feet of all portions of the structure.

(10) Amend Section 2403.8.2 by deleting the text in its entirety and substituting the following: Temporary membrane structures, tents, canopies, air-supported, or air-inflated structures shall not be located within 20 feet of lot lines, buildings, other temporary membrane structures, other tents and canopies, parked vehicles, or internal combustion engines. For purposes of determining required distances, support ropes and guy wires shall be considered as part of the temporary membrane structure, tent, or canopy.

Exceptions: 1. Separation distance between temporary membrane structures, tents, and canopies, in which open or exposed flame equipment is not used, is not required when the aggregate floor area does not exceed 15,000 square feet.

2. Temporary membrane structures, tents, and canopies need not be separated from buildings when all of the following conditions are met:

2.1 The aggregate floor area of the temporary membrane structure, tent, or canopy shall not exceed 10,000 square feet.

2.2 The aggregate floor area of the building and temporary membrane structure, tent, or canopy shall not exceed the allowable floor area including increases in the Indiana Building Code.

2.3 All required exiting provisions for the building and the temporary membrane structure, tent, or canopy, including travel distance.

2.4 Fire apparatus access roads are provided in accordance with Section 503.

(11) Amend Section 2403.8.3 by deleting the text in its entirety and substituting the following: Tents, air-supported, air-inflated, or tensioned membrane structures having a single structure area of 15,000 square feet or more shall be located not less than 50 feet from other tents or structures as measured from the side wall of the tent unless joined by a corridor.

(12) Amend Section 2403.8.4 by deleting the text in its entirety and substituting the following: Tents, air-supported, air-inflated, or tensioned membrane structures having a single structure area of 15,000 square feet or more are allowed to be joined by means of a corridor. Exits shall be provided at each end of such corridor. On each side of such corridor and approximately opposite each other, there shall be provided openings not less than 12 feet wide.

(13) Amend Section 2403.8.5 by deleting the text in its entirety and substituting the following: Temporary membrane structures, tents, canopies, and air-inflated and air-supported structures where the aggregate floor area is 15,000 square feet or greater shall have an unobstructed fire break passageway or fire road not less than 12 feet wide and free from guy ropes or other obstructions and shall be maintained on all sides of all tents, canopies, and air-supported, air-inflated, or tensioned membrane structures.

(14) Amend Section 2403.12.5.1 by deleting the text in its entirety and substituting the following: A plan indicating the exit ways, aisles, and seating shall be provided to the fire department having jurisdiction, and a copy shall be maintained on the premises. Aisles shall be maintained clear at all times during occupancy.

(15) Amend Section 2403.12.7, to read as follows: Section 2403.12.7 Means of egress illumination. Means of egress illumination shall be installed at required exit doorways and where otherwise necessary to indicate clearly the direction of egress when the exit serves an occupant load of 50 or more. Means of egress shall be illuminated with light having an intensity of not less than one foot-candle (11 lux) at floor level while the structure is occupied. Fixtures required for means of egress illumination shall be supplied from a separate circuit or source of power.

~~(15)~~ **(16)** Amend Section 2404.2 as follows:

(A) Delete "before a permit is granted" without substitution.

(B) Delete "by the permit" without substitution.

~~(16)~~ **(17)** Delete Section 2404.4 in its entirety without substitution.

~~(17)~~ **(18)** Amend Section 2404.7 by deleting the text in its entirety and substituting the following: Open or exposed flame equipment. Open or exposed flame equipment emitting flame that is visible during the ordinary use of the equipment shall be permitted in temporary membrane structures or tents having an aggregate area less than 200 square feet and canopies having an aggregate area less than 400 square feet. All temporary membrane structures, tents, canopies, air-inflated, air-supported, tensioned membrane structures, buildings, parked vehicles, or internal combustion engines shall not be located within 10 feet.

~~(18)~~ **(19)** Delete Section 2404.13 in its entirety without substitution.

~~(19)~~ **(20)** Amend Section 2404.15.1 by deleting "and shall be approved by the code official" and substituting "in effect at the time the equipment is installed".

~~(20)~~ **(21)** Amend Section 2404.15.2 as follows:

(A) At the end of the first sentence, add ", in effect at the time the equipment is installed".

(B) Delete "when required" from the second sentence and substitute "having openings not exceeding one-fourth (1/4) inch (six and four-tenths (6.4) mm) wire mesh".

~~(21)~~ **(22)** Amend Section 2404.15.5 by deleting the text in its entirety and substituting the following:

(1) Temporary membrane structures, tents, and canopies where open or exposed flame equipment is used for cooking shall comply with Section 2406.6.

(2) Temporary membrane structures, tents, and canopies where open or exposed flame cooking is performed shall be separated from other temporary membrane structures, tents, canopies, air-inflated, air-supported, and tensioned membrane structures, buildings, parked vehicles, or internal combustion engines by a minimum distance of 10 feet.

(3) Cooking that produces grease-laden vapors is permitted in temporary membrane structures, tents, or canopies when commercial food heat-processing appliances are used that are listed and installed in accordance with Sections 2411.1 and 2411.2.

(4) When open or exposed flame cooking equipment, other than commercial food heat-processing appliances, is used, surfaces subject to oil or grease deposits shall be cleaned at intervals frequently enough to prevent oil or grease deposits from exceeding a thickness of twenty-five thousandths (0.025) inch.

(5) Cooking that does not use open or exposed flame cooking equipment may be performed in tents, canopies, and temporary membrane structures that comply with Section 2406.1.

(23) In Section 2404.15.5, delete the reference to Section "2406.6" and insert "2404.7", delete the references to "2411.1 and 2411.2" and insert "2404.15.1 and 2404.15.2", and delete the reference to "2406.1" and insert "2404.2".

~~(22)~~ **(24)** Amend Section 2404.15.6 by deleting the text in its entirety and substituting the following: Outdoor cooking that produces sparks shall not be performed within 10 feet of a temporary membrane structure, tent, canopy, air-inflated, air-supported, or tensioned membrane structure.

~~(23)~~ **(25)** Amend Section 2404.16.2.1 by deleting the text in its entirety and substituting the following: Portable LP-gas containers of 500 gallons or less capacity shall have a minimum separation between the container and any fuel-operated device, including, without limitation, LP-gas, gasoline, electric, wood, coal, or charcoal-fueled equipment of not less than 10 feet, but in no event shall the container be located within or under the tent, canopy, or temporary membrane structure.

~~(24)~~ **(26)** Delete Section 2404.16.2.2 in its entirety without substitution.

~~(25)~~ **(27)** Delete Section 2404.20 in its entirety without substitution.

(Fire Prevention and Building Safety Commission; [675 IAC 22-2.4-25](#); filed Mar 18, 2008, 2:30 p.m.: [20080423-IR-675070478FRA](#), eff 90 days after filing with the Publisher; errata filed Jul 9, 2008, 12:34 p.m.: [20080723-IR-675070478ACA](#); filed Oct 27, 2009, 2:39 p.m.: [20091125-IR-675090187FRA](#))

SECTION 8. [675 IAC 22-2.4-28](#) IS AMENDED TO READ AS FOLLOWS:

[675 IAC 22-2.4-28](#) Chapter 27; hazardous materials – general provisions

Authority: [IC 22-13-2-2](#)

Affected: [IC 22-12-7](#); [IC 22-13](#); [IC 22-14](#); [IC 36-8-17](#)

Sec. 28. Chapter 27 is amended as follows:

(1) Amend Section 2701.1 by adding a new exception to read as follows: Exception 11. Laboratory use of hazardous chemicals provided a Chemical Hygiene Plan as defined in Section 2702 of the code has been implemented at the facility.

(2) Amend Section 2701.2.1 by deleting the text after "reference standards;" and substituting "by a recognized organization, or material safety data sheet (MSDS)".

(3) Amend Section 2701.3 by deleting it in its entirety and substituting the following: "See [675 IAC 12-6-11](#)".

(4) Delete Section 2701.5 in its entirety without substitution.

(5) Amend Section 2701.5.1 by deleting the text in its entirety and substituting the following: Hazardous materials management plan. Regulation by the Emergency Planning and Community Right to Know Act (EPCRA) as set forth at 42 U.S.C. 11001, et seq., constitutes compliance with Section 2701.4.1. For hazardous materials used, stored, dispensed, or handled in excess of quantities listed in TABLES 2703.1.1, an owner or operator of a facility not regulated by the Federal Emergency Planning and Community Right to Know Act shall notify the servicing fire department in writing and shall, when asked, allow the fire department to conduct an on-site health hazardous materials inspection of the facility and to provide the fire department specific location information on those hazardous materials.

(6) Amend Section 2701.5.2 by deleting the text in its entirety and substituting the following: Hazardous

materials management plan. This section does not apply to facilities regulated under the Emergency Planning and Community Right to Know Act (EPCRA) as set forth at 42 U.S.C. 11001, et seq. For hazardous materials used, stored, dispensed, or handled in excess of the quantities listed in TABLES 2703.1.1, an owner or operator of a facility not regulated by the Federal Emergency Planning and Community Right to Know Act shall notify the servicing fire department in writing and shall, when asked, allow the fire department to conduct an on-site health hazardous materials inspection of the facility and provide to the fire department specific location information on those hazardous materials.

(7) Amend Section 2701.6.1 by deleting "maintain a permit and" without substitution.

(8) Amend Section 2701.6.2, by changing the following:

(A) Delete "permit" and substitute "hazardous materials management plan".

(B) Delete "an approved manner" and substitute "accordance with Section 2701.5.3".

(C) Delete the second and third sentences without substitution.

(9) Amend Section 2701.6.3 by deleting the text in its entirety and substituting the following: Facility closure plan. The owner or operator shall submit a plan to the servicing fire department to terminate storage, dispensing, handling, or use of hazardous materials at least thirty (30) days prior to facility closure. The plan shall demonstrate that hazardous materials that were stored, dispensed, handled, or used in the facility have been transported, disposed of, or reused in a manner that eliminates the need for further maintenance and any threat to public health and safety.

(10) Amend Section 2702.1 by adding the following definition: LABORATORY means a facility where the "laboratory use of hazardous chemicals" occurs. It is a facility where relatively small quantities of hazardous chemicals are used on a nonproduction basis.

(11) Amend Section 2703.1 to add an exception: Portable medical gas cylinders containing cryogenic oxidizing and/or oxidizing gas in use by patients or on equipment used for patient transportation are exempt from this section.

~~(11)~~ **(12)** Amend Section 2703.2.6.1.1 by deleting "be tested in an approved manner" and substituting "not be defective and shall be compatible with the liquid to be stored".

~~(12)~~ **(13)** Amend Section 2703.3.1 by deleting the text in its entirety and substituting the following: Any unplanned sudden or nonsudden release into the environment of a listed hazardous substance that exceeds in any 24-hour period the reportable quantity for that substance, as identified in TABLE 302.4 of 40 CFR 302 and 40 CFR 355 Appendix A (July 1, 1997), and either causes a fire and/or explosion hazard, such as one that threatens contiguous property or the general public or causes an injury requiring emergency medical treatment, must be immediately reported to the servicing fire department.

~~(13)~~ **(14)** Amend Section 2703.3.1.1 by deleting the text in its entirety and substituting the following: Records shall be provided of the unauthorized discharge of hazardous materials by the owner or the operator.

~~(14)~~ **(15)** Amend Table 2703.1.1(1) as follows:

(A) Add a "q" to the table next to "Cryogenic Oxidizing" in the "Material" column.

(B) Add a footnote as follows:

q. I-2 occupancies shall be permitted to contain the following quantities:

1. 300 cu. ft. or less per smoke compartment may be stored without an enclosure if associated with patient care areas. (See Section 407.4 for smoke compartment requirements.)
2. 3,000 cu. ft. or less per room may be stored in rooms separated from adjacent spaces by smoke partitions complying with Section 710.
3. 20,000 cu. ft. or less per room may be stored in rooms separated from adjacent spaces by 1-hour fire barriers complying with Section 706.
4. Regardless of quantities, rooms containing manifolds shall be separated from adjacent spaces by 1-hour fire barriers complying with Section 706.
5. Regardless of quantities, rooms used for liquid oxygen transfer shall be separated from adjacent spaces by 1-hour fire barriers complying with Section 706.

~~(15)~~ **(16)** Amend Section 2703.3.1.4 by deleting the title and text in its entirety and substituting the following: Responsibility for control and mitigation. The person, firm, or corporation responsible for an unplanned sudden or nonsudden release shall institute and complete all actions necessary to remedy the effects of such unplanned release at no cost to the servicing fire department. Control and mitigation may be initiated by the fire department or by an authorized individual or firm. Cost associated with such control or mitigation shall be borne by the owner, operator, or other person responsible for the release.

~~(16)~~ **(17)** Amend Section 2703.4 by deleting the text in its entirety and substituting the following: 2703.4 Material Safety Data Sheets (MSDS) for applicable hazardous materials shall be kept in a location that is acceptable to both the facility operator and the servicing fire department.

~~(17)~~ **(18)** Amend Table 2703.8.3.2 by adding a "c" by the title of the table and adding a footnote "c" as follows,
c. This Table shall not apply to the storage or use of Oxidizing Cryogenics, Oxidizing Gasses, and Liquefied Oxidizing Gasses in I-2 occupancies.

~~(18)~~ **(19)** Amend Section 2703.8.7.1 by deleting "either be listed in accordance with UL 1275 as suitable for

the intended storage or constructed in accordance with the following" in the last sentence and substituting the following: be one of the following:

- a. listed in accordance with UL 1275 as suitable to the intended storage
 - b. approved by the code official
 - c. in compliance with the rules of the Commission or its predecessor agencies in effect at the time that the materials, including quantities and their location, were first stored, or
 - d. constructed in accordance with the following:
- (19) **(20)** Amend Section 2704.10 by adding an exception as follows: Exception: A facility that is provided with a watchman service and is provided with an audible fire alarm system that can be heard by the watchman in all areas of the facility.

(Fire Prevention and Building Safety Commission; [675 IAC 22-2.4-28](#); filed Mar 18, 2008, 2:30 p.m.: [20080423-IR-675070478FRA](#), eff 90 days after filing with the Publisher; filed Oct 27, 2009, 2:39 p.m.: [20091125-IR-675090187FRA](#))

SECTION 9. [675 IAC 22-2.4-34](#) IS AMENDED TO READ AS FOLLOWS:

[675 IAC 22-2.4-34](#) Chapter 33; explosives and fireworks

Authority: [IC 22-13-2-2](#)

Affected: [IC 22-11-14-1](#); [IC 22-12-7](#); [IC 22-13](#); [IC 22-14-4-2](#); [IC 35-47.5-3-1](#); [IC 35-47.5-4-4.5](#); [IC 36-8-17](#)

Sec. 34. Chapter 33 is amended as follows:

- (1) Amend the title of this chapter by adding "Manufacturing and Storage of" before "fireworks".
- (2) Amend Section 3301.1 as follows:
 - (A) Delete Exception 4 and substitute "Commercially manufactured black powder in quantities not to exceed fifty (50) pounds, percussion caps, safety and pyrotechnic fuses, quills, quick and slow matches, and friction primers, if the black powder is intended to be used solely for sporting, recreational, or cultural purposes in antique firearms or antique devices."
 - (B) Add an Exception 10 to read as follows: 10. The sale, possession, use, and handling of fireworks 1.3G (Special fireworks) as set forth in NFPA 1123 ([675 IAC 28-1-39](#)).
 - (C) Add an Exception 11 to read as follows: 11. The sale, possession, or use of fireworks 1.4G (Class C common fireworks).
 - (D) Add an Exception 12 to read as follows: 12. The sale, transfer, storage, possession, use and handling of pyrotechnics before a proximate audience as set forth in NFPA 1126 ([675 IAC 22-2.2-26](#)).
- (3) Amend Section 3301.1.1 as follows:
 - (A) Delete ", sale, handling" without substitution.
 - (B) Insert a second sentence "NFPA 495 is adopted by the Commission at [675 IAC 26-3](#) as part of the regulations for possession and usage of explosives for all uses except coal mining."
- (4) ~~Amend~~ **Delete** Section 3301.1.2 by deleting "~~the operation of explosive material terminals shall conform to the provisions of NFPA 498~~" **in its entirety** without substitution.
- (5) Delete Section 3301.1.3 in its entirety without substitution.
- (6) Delete Section 3301.1.4 in its entirety without substitution.
- (7) Amend Section 3301.1.5 as follows:
 - (A) Delete "NFPA 490 and" without substitution.
 - (B) Insert "and [675 IAC 26-3](#)" after Chapter 40.
 - (C) Delete the exception without substitution.
- (8) Amend Section 3301.2 by deleting the text in its entirety and substituting "Permits shall be as required in [IC 22-11-14](#), [IC 22-14-4](#), [675 IAC 12-3](#) and [675 IAC 12-9-4](#)".
- (9) Amend Section 3301.2.1 by deleting the title and text in its entirety and substituting the following: Bond. See [IC 22-14-4-2](#).
- (10) Delete Section 3301.2.2 in its entirety without substitution.
- (11) Delete Section 3301.2.3 in its entirety without substitution.
- (12) Delete Section 3301.2.4 in its entirety without substitution.
- (13) Delete Section 3301.2.4.1 in its entirety without substitution.
- (14) Delete Section 3301.2.4.2 in its entirety without substitution.
- (15) Delete Section 3301.3 in its entirety without substitution.
- (16) Amend Section 3301.4 as follows:
 - (A) Delete "blasting," without substitution.
 - (B) Insert a new sentence "Persons in charge of blasting shall comply with [IC 35-47.5-4-4.5](#)".

- (17) Delete Section 3301.5 in its entirety without substitution.
- (18) Amend Section 3301.6 by deleting "48 hours in advance, not including Saturdays, Sundays and holidays," and substituting "immediately".
- (19) Delete Section 3301.7 in its entirety without substitution.
- (20) Amend Section 3301.8.1.1 by deleting "3304.5.2(2)" and substituting "3304.5.2(1)".
- (21) Amend Section 3301.8.1.2 by deleting "3304.5.2(3)" and substituting "3304.5.2(2)" in numbers 1 and 2.
- (22) Amend Table 3301.8.1(1), in Column 2 ("Magazine"), Column 6 ("Operating Building"), and Column 8 ("Public Traffic Route"), Rows 2, 3, 4, and 5, by deleting "3304.5.2(2)" and substituting "3304.5.2(1)".
- (23) Amend Table 3301.8.1(2), in Column 2 ("Magazine"), Column 6 ("Inhabited Building"), and Column 8 ("Public Traffic Route"), Rows 2, 3, 4, and 5, by deleting "3304.5.2(3)" and substituting "3304.5.2(2)".
- (24) Amend Table 3301.8.1(3), in Column 2 ("Magazine"), Column 4 ("Operating Building"), Column 6 ("Inhabited Building"), and Column 8 ("Public Traffic Route"), Rows 2, 3, 4, and 5, by deleting "3304.5.2(4)" and substituting "3304.5.2(3)".
- (25) Amend Section 3301.8.1.3 as follows:
- (A) In number 1, delete "3304.5.2(3) or" without substitution.
 - (B) In number 2, delete "3304.5.2(2)" and substitute "3304.5.2(1)".
 - (C) In number 2, delete "3304.5.2(3)" and substitute "3304.5.2(2)".
 - (D) In number 3, delete "3304.5.2(2)" and substitute "3304.5.2(1)".
 - (E) In number 4, delete "3304.5.2(2)" and substitute "3304.5.2(1)".
 - (F) In number 4, delete "3304.5.2(3)" and substitute "3304.5.2(2)".
- (26) Amend Section 3302, Definitions, as follows:
- (A) Amend Blast Area by deleting the text in its entirety and substituting "See [675 IAC 26-3-1](#)".
 - (B) Amend Blaster by deleting the text in its entirety and substituting "See [675 IAC 26-3-1\(e\)](#)".
 - (C) Add the following definition for Blasting Cap: **BLASTING CAP.** A blasting cap is a shell closed at one (1) end and containing a charge of a detonating compound which is ignited by a safety fuse. It is used for detonating explosives.
 - (D) Amend Bullet Resistant by adding the following after the last sentence: Magazines that are required to be bullet resistant shall be constructed using a method described in items (1) through (20) below. Steel and wood dimensions indicated are actual thicknesses. Concrete block and brick dimensions indicated are the manufacturer's represented thicknesses.
 1. Exterior of five-eighths (5/8) inch (fifteen and nine-tenths (15.9) mm) steel, lined with an interior of any type of nonsparking material.
 2. Exterior of one-half (1/2) inch (twelve and seven-tenths (12.7) mm) steel, lined with an interior of not less than three-eighths (3/8) inch (nine and five-tenths (9.5) mm) plywood.
 3. Exterior of three-eighths (3/8) inch (nine and five-tenths (9.5) mm) steel, lined with an interior of two (2) inches (fifty and eight-tenths (50.8) mm) of hardwood.
 4. Exterior of three-eighths (3/8) inch (nine and five-tenths (9.5) mm) steel, lined with an interior of three (3) inches (seventy-six and two-tenths (76.2) mm) of softwood or two and one-fourth (2 1/4) inches (fifty-seven and two-tenths (57.2) mm) of plywood.
 5. Exterior of one-fourth (1/4) inch (six and four-tenths (6.4) mm) steel, lined with an interior of three (3) inches (seventy-six and two-tenths (76.2) mm) of hardwood.
 6. Exterior of one-fourth (1/4) inch (six and four-tenths (6.4) mm) steel, lined with an interior of five (5) inches (one hundred twenty-seven (127) mm) of softwood or five and one-fourth (5 1/4) inches (one hundred thirty-three and four-tenths (133.4) mm) of plywood.
 7. Exterior of one-fourth (1/4) inch (six and four-tenths (6.4) mm) steel, lined with an intermediate layer of two (2) inches (fifty and eight-tenths (50.8) mm) of hardwood, and an interior lining of one and one-half (1 1/2) inches (thirty-eight and one-tenth (38.1) mm) of plywood.
 8. Exterior of three-sixteenths (3/16) inch (four and eight-tenths (4.8) mm) steel, lined with an interior of four (4) inches (one hundred one and six-tenths (101.6) mm) of hardwood.
 9. Exterior of three-sixteenths (3/16) inch (four and eight-tenths (4.8) mm) steel, lined with an interior of seven (7) inches (one hundred seventy-seven and eight-tenths (177.8) mm) of softwood or six and three-fourths (6 3/4) inches (one hundred seventy one and four-tenths (171.4) mm) of plywood.
 10. Exterior of three-sixteenths (3/16) inch (four and eight-tenths (4.8) mm) steel, lined with an intermediate layer of three (3) inches (seventy-six and two-tenths (76.2) mm) of hardwood, and an interior lining of three-fourths (3/4) inch (nineteen and one-tenth (19.1) mm) of plywood.
 11. Exterior of one-eighth (1/8) inch (three and two-tenths (3.2) mm) steel, lined with an interior of five (5) inches (one hundred twenty-seven (127) mm) of hardwood.
 12. Exterior of one-eighth (1/8) inch (three and two-tenths (3.2) mm) steel, lined with an interior of nine (9) inches (two hundred twenty-eight and six-tenths (228.6) mm) of softwood.
 13. Exterior of one-eighth (1/8) inch (three and two-tenths (3.2) mm) steel, lined with an intermediate layer of four (4) inches (one hundred one and six-tenths (101.6) mm) of hardwood, and an interior lining of

three-fourths (3/4) inch (nineteen and one-tenth (19.1) mm) plywood.

14. Exterior of any type of fire resistant material which is structurally sound, lined with an intermediate layer of four (4) inches (one hundred one and six-tenths (101.6) mm) of solid concrete block or four (4) inches (one hundred one and six-tenths (101.6) mm) of solid concrete, and an interior lining of one-half (1/2) inch (twelve and seven-tenths (12.7) mm) plywood placed securely against the masonry lining.

15. Standard eight (8) inch (two hundred three and two-tenths (203.2) mm) concrete block with voids filled with a well-tamped sand/cement mixture.

16. Standard eight (8) inch (two hundred three and two-tenths (203.2) mm) solid brick.

17. Exterior of any type of fire resistant material which is structurally sound, lined with an intermediate six (6) inch (one hundred fifty-two and four-tenths (152.4) mm) space filled with well-tamped dry sand or a well-tamped sand/cement mixture.

18. Exterior of one-eighth (1/8) inch (three and two-tenths (3.2) mm) steel, lined with a first intermediate layer of three-fourths (3/4) inch (nineteen and one-tenth (19.1) mm) plywood, a second intermediate layer of three and five-eighths (3 5/8) inches (ninety-two and one-tenth (92.1) mm) of a well-tamped dry sand or sand/cement mixture, and an interior lining of three-fourths (3/4) inch (nineteen and one-tenth (19.1) mm) plywood.

19. Exterior of any type of fire resistant material, lined with a first intermediate layer of three-fourths (3/4) inch (nineteen and one-tenth (19.1) mm) plywood, a second intermediate layer of three and five-eighths (3 5/8) inches (ninety-two and one-tenth (92.1) mm) of a well-tamped dry sand or sand/cement mixture, a third intermediate layer of three-fourths (3/4) inch (nineteen and one-tenth (19.1) mm) plywood, and a fourth intermediate layer of two (2) inches (fifty and eight-tenths (50.8) mm) of hardwood or not less than sixty-eight thousandths (0.068) inch (one and seven-tenths (1.7) mm) of steel, and an interior lining of three-fourths (3/4) inch (nineteen and one-tenth (19.1) mm) plywood.

20. Eight (8) inch thick (two hundred three and two-tenths (203.2) mm) solid concrete. Methods of construction other than those specified above are acceptable as bullet resistant construction when tested as described below as follows:

(A) Tests to determine bullet resistance shall be conducted on test panels or empty magazines that shall resist five (5) out of five (5) shots placed independently of each other in an area three (3) feet by three (3) feet (nine hundred fourteen and four-tenths (914.4) mm by nine hundred fourteen and four-tenths (914.4) mm).

(B) For ceilings and roofs, the bullet shall be fired at an angle of forty-five (45) degrees from the perpendicular.

(C) For walls and doors, the bullet shall be fired perpendicular to the wall or door.

(E) Add the following definition for Deflagration: DEFLAGRATION. Deflagration is an exothermic reaction, such as the extremely rapid oxidation of a combustible dust or flammable vapor in air, in which the reaction progresses through the unburned material at a rate less than the velocity of sound. A deflagration can have an explosive effect.

(F) Amend Discharge Site by deleting the text and inserting "See [675 IAC 28-1-39](#)".

(G) Add Display as follows: DISPLAY. See [675 IAC 28-1-39](#).

(H) Amend Display Site by deleting the text and inserting "See [675 IAC 28-1-39](#)".

(I) Add the following definition for DOT: DOT. DOT is the United States Department of Transportation.

(J) Add the following definition for Electric Blasting Cap: ELECTRIC BLASTING CAP. An electric blasting cap is a detonator that consists of a shell closed at one (1) end. The other end contains electric wires that have been sealed into the shell. It contains a charge of detonating compound that is ignited or initiated by applying electric current to the wires protruding from the detonator.

(K) Amend Explosive by deleting "The term 'explosive' includes any material determined to be within the scope of USC Title 18: Chapter 40 and also includes any material classified as an explosive other than consumer fireworks, 1.4G (Class C, Common) by the hazardous materials regulations of DOTn 49 CFR" and inserting "The term 'explosive' includes regulated explosives as defined in [IC 35-47.5-3-1](#)".

(L) Amend Explosive Material by deleting the text and inserting "See [675 IAC 26-3-1](#)".

(M) Amend Fallout Area by deleting the text and inserting "See [675 IAC 28-1-39](#)".

(N) Add the following definition for Fire Resistant: FIRE RESISTANT. Fire resistant refers to the construction designed to provide reasonable protection against fire. For exterior walls of magazines constructed of wood, this shall mean fire-resistance equivalency provided by sheet metal of not less than one hundred seventy-nine ten thousandths (0.0179) inch (forty-five hundredths (0.45) mm) (twenty-six (26) manufacturer's standard gage).

(O) Amend Fireworks by deleting the text and inserting "See [IC 22-11-14-1](#)".

(P) Amend Fireworks Display by deleting the text and inserting "See [675 IAC 28-1-39](#)".

(Q) Add the following definition for Hardwood: HARDWOOD. Hardwood refers to types of wood, such as red oak, white oak, hard maple, ash, or hickory, each of which is free from knots, wind shakes, or similar

defects.

(R) Add the following definition for Intraplant Distance: **INTRAPLANT DISTANCE.** Intraplant distance refers to the minimum distance permitted between two (2) buildings on an explosives manufacturing site, when at least one (1) of the buildings contains or is designed to contain explosives.

(S) Amend Magazine by deleting the text after the first sentence and inserting the following: **INDOOR.** An indoor magazine is a portable structure, such as a box, bin, or other container. Indoor magazines shall be fire resistant and theft resistant. Indoor magazines constructed of wood shall have sides, bottoms, and lids or doors constructed of two (2) inch (fifty and eight-tenths (50.8) mm) wood and shall be well braced at corners. The magazines shall be covered on the exterior with steel not less than sixteen-thousandths (0.016) inch (forty-one hundredths (0.41) mm) (twenty-six (26) gage) thick. Indoor magazines constructed of metal shall have sides, bottoms, and lids or doors constructed of not less than ninety-seven thousandths (0.097) inch (two and five-tenths (2.5) mm) (twelve (12) gage) steel and shall be lined with a minimum of one-half (1/2) inch (twelve and seven-tenths (12.7) mm) of nonsparking material.

Exception: Type 5 indoor magazines used for the storage of blasting agents need not be fire resistant. Indoor magazines need not be bullet resistant or weather resistant if the buildings in which they are stored provide protection from the weather and bullet penetration. Hinges and hasps shall be attached to doors or lids by welding, riveting, or bolting with nuts on the inside so that doors or lids cannot be removed when closed and locked. Each magazine shall be equipped with a steel padlock, which need not be protected by a steel hood, having at least five (5) tumblers with a case-hardened shackle of at least three-eighths (3/8) inch (nine and five-tenths (9.5) mm) diameter. Indoor magazines shall have substantial wheels or casters to facilitate removal from a building in case of emergency. The least horizontal dimension shall not exceed the clear width of the entrance door. Magazines shall be painted red, and the lid or door shall bear in conspicuous white lettering, at least three (3) inches (seventy-six and two-tenths (76.2) mm) high, **EXPLOSIVES—KEEP FIRE AWAY.** The indoor storage of high explosives shall not exceed fifty (50) pounds (twenty-two and seven-tenths (22.7) kg). Detonators shall be stored in a separate magazine from other explosive materials, and the total number of detonators stored shall not exceed five thousand (5,000). Indoor magazines containing blasting agents in excess of fifty (50) pounds (twenty-two and seven-tenths (22.7) kg) shall be located in accordance with Table 3304.5.2(1). See also Section 3304.5.

TYPE 1 MAGAZINES. A Type 1 magazine is a permanent structure, such as a building or igloo, that is bullet resistant, fire resistant, theft resistant, weather resistant, and ventilated. Floors shall be constructed of wood or other suitable nonsparking materials. Foundations shall be constructed of brick, concrete, cement block, stone, or wood posts. If piers or posts are used in lieu of a continuous foundation, the space under the buildings shall be enclosed with fire resistant materials.

Where it is possible for a bullet to be fired directly through the roof and into the magazine at such an angle that the bullet could strike the explosives within, the magazine roof shall be bullet resistant or shall be protected by one (1) of the following methods:

1. A sand tray having a depth of four (4) inches (one hundred one and six-tenths (101.6) mm) of sand and located at the top of the inner walls covering the entire ceiling area, except that portion necessary for ventilation.
2. Either not less than thirty-three thousandths (0.033) inch (eighty-four hundredths (0.84) mm) (twenty (20) gage) steel with four (4) inches (one hundred one and six-tenths (101.6) mm) of hardwood or not less than forty-three thousandths (0.043) inch (one and one-tenth (1.1) mm) (eighteen (18) gage) aluminum with seven (7) inches (one hundred seventy-seven and eight-tenths (177.8) mm) of hardwood. Doors shall be bullet resistant. Hinges and hasps shall be attached to the doors by welding, riveting, or bolting with nuts on the inside of the door. Hinges and hasps shall be installed in such a manner that they cannot be removed when the doors are closed and locked. Each door shall be equipped with two (2) mortise locks, two (2) padlocks fastened in separate hasps and staples, a combination of a mortise lock and a padlock, a mortise lock that requires two (2) keys to open, or a three-point or equivalent-type lock that secures the door to the frame at more than one (1) point. Padlocks shall be steel having at least five (5) tumblers and at least a three-eighths (3/8) inch (nine and five-tenths (9.5) mm) diameter case-hardened shackle. Padlocks shall be protected by not less than one-fourth (1/4) inch (six and four-tenths (6.4) mm) steel hoods constructed in a manner which prevents sawing or lever action on the locks, hasps, and staples.

Exception: Magazine doors that are secured on the inside by means of a bolt, lock, or bar that cannot be actuated from the outside.

Ventilation shall be provided to prevent dampness and heating of stored explosive materials. Ventilation openings shall be screened to prevent the entrance of sparks. Ventilation openings in side walls and foundations shall be offset or shielded for bullet resistant purposes. Magazines having foundation and roof ventilators with the air circulating between the side walls and the floors and between the side walls and the ceiling shall have a wooden lattice or equivalent to prevent the packages of explosive materials from being stacked against the side walls and blocking the air circulation. Sparking material shall not be exposed to contact with the stored explosive materials. Ferrous metal nails in the floor and side walls, which could be

exposed to contact with explosive materials, shall be blind nailed, countersunk, or covered with a nonsparking latticework or other nonsparking material. See also Section 3304.5.

TYPE 2 MAGAZINES. A Type 2 magazine shall be a box, trailer, semitrailer, or other mobile facility. A Type 2 magazine shall be bullet resistant, fire resistant, weather resistant, theft resistant, and ventilated. Walls, ceiling and roof construction, hinges, hasps, locks, ventilation, and interior construction shall be constructed as required for Type 1 magazines. Type 2 magazines shall be supported to prevent the floor from having direct contact with the ground. Magazines less than one (1) cubic yard (seventy-six hundredths (0.76) m³) in size shall be fastened to a fixed object to prevent theft of the entire magazine. Vehicular magazines shall be immobilized by removing the wheels, locking with a kingpin locking device, or other approved methods.

TYPE 3 MAGAZINES. A Type 3 magazine shall be a "day box" or other portable magazine. Type 3 magazines shall be theft resistant, fire resistant, and weather resistant. Type 3 magazines shall be constructed of not less than ninety-seven thousandths (0.097) inch (two and five-tenths (2.5) mm) (twelve (12) gage) steel lined with at least one-half (1/2) inch (twelve and seven-tenths (12.7) mm) plywood or masonite. Doors shall overlap sides by at least one (1) inch (twenty-five and four-tenths (25.4) mm). Hinges and hasps shall be attached by welding, riveting, or bolting with nuts on the inside. Type 3 magazines shall have one (1) steel padlock having at least five (5) tumblers and a case-hardened shackle of at least three-eighths (3/8) inch (nine and five-tenths (9.5) mm) diameter. Explosive materials shall not be left unattended in a Type 3 magazine. When Type 3 magazines will be left unattended, explosive materials shall first be moved to a Type 1 or 2 magazine.

TYPE 4 MAGAZINES. A Type 4 magazine shall be a permanent, portable, or mobile structure, such as a building, igloo, box, semitrailer, or other mobile container, that shall be fire resistant, theft resistant, and weather resistant. Outdoor magazines shall be constructed of masonry, metal-covered wood, fabricated metal, or a combination of these materials. Doors shall be metal or solid wood covered with metal. Permanent magazines shall be constructed as required for Type 1 magazines with respect to foundations, floors, ventilation, and locking devices. Vehicular magazines shall be immobilized when unattended as required for Type 2 magazines.

TYPE 5 MAGAZINES. A Type 5 magazine shall be a building, igloo, box, bin, tank, semitrailer, bulk-trailer, tank trailer, bulk truck, tank truck, or other mobile container. Outdoor Type 5 magazines shall be weather resistant and theft resistant. Construction shall be of wood, wood covered with metal, masonry, fabricated metal, or a combination of these materials. Doors shall be metal or solid wood. Permanent Type 5 magazines shall be constructed as required for Type 1 magazines with respect to foundations, floors, ventilation, and locking devices. Vehicular magazines shall be immobilized when unattended, as required for Type 2 vehicular magazines. Over-the-road trucks and semitrailers used for temporary storage shall have each door locked with one (1) steel padlock having at least five (5) tumblers and a case-hardened shackle of at least three-eighths (3/8) inch (nine and five-tenths (9.5) mm) diameter. The door hinges and lock hasp shall be securely fastened to the magazine and the door frame.

Exception: Magazine doors that are adequately secured on the inside by means of a bolt, lock, or bar that cannot be actuated from the outside. Type 5 storage magazines in trailers shall display **BLASTING AGENT** placards on the trailer when any quantity of blasting agents is contained therein.

(T) Delete the text of the definition of Mortar and substitute "See [675 IAC 28-1-39](#)".

(U) Add the following definition for Percussion Cap: **PERCUSSION CAP.** A percussion cap is a device used to ignite the powder charge of small arms ammunition.

(V) Add the following definition for Plywood: **PLYWOOD.** Plywood refers to a type of wood product with a grade of A-C exterior grade plywood.

(W) Delete the text of the definition of proximate audience and substitute "See [675 IAC 22-2.2-26](#)".

(X) Amend Pyrotechnic Composition by deleting the text and inserting "See [IC 22-11-14-1](#)".

(Y) **PYROTECHNIC SPECIAL EFFECT** see [675 IAC 22-2.2-26](#).

(Z) Amend Pyrotechnic Special Effect Material by deleting the text and inserting "See [675 IAC 22-2.2-26](#)".

(AA) Add the following definition for Qualified Person: **QUALIFIED PERSON.** 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.

(BB) Add the following definition for Safety Cap: **SAFETY CAP.** See [675 IAC 28-1-39](#).

(CC) Add the following definition for Softwood: **SOFTWOOD.** Softwood refers to types of wood, such as douglas fir, pine, or other softwood of equal bullet-resistance, free from loose knots, wind shakes, or similar defects.

(DD) Add the following definition for Steel: **STEEL.** Steel refers to a type of metal, such as general purpose, hot- or cold-rolled, low carbon steel.

(EE) Add the following definition for Temporary Storage: **TEMPORARY STORAGE.** See [675 IAC 22-2.2-26](#).

(27) Amend Section 3303.5 by deleting "pyrotechnic display operator or" and "all aerial shells that fail to fire or" without substitution.

(28) Amend Section 3303.6 by deleting "DOL 29 CFR, Part 1810.1200, and" without substitution.

- (29) Amend Section 3304.2 as follows:
 - (A) Delete "or NFPA 1124" without substitution.
 - (B) Insert, after NFPA 495, "as adopted by the commission at [675 IAC 26-3](#)".
 - (C) Delete Exception 2 without substitution.
 - (D) Delete "Exceptions" and insert "Exception".
 - (E) Delete the number (1.) for the first exception.
 - (F) Insert, after NFPA 1123, "as adopted at [675 IAC 28-1-39](#)".
 - (G) Delete "NFPA 1126" without substitution.
- (30) Amend Table 3304.5.2(1), in the row, Pounds over 500/Pounds not over 600, Column 3, by deleting "240" and inserting "340".
- (31) Amend Section 3304.5.3.1 by deleting "Wherever practicable," without substitution.
- (32) Amend Section 3304.6.2 by deleting "as prescribed in NFPA 495" without substitution.
- (33) Amend Section 3304.6.3 by deleting ", except as provided in NFPA 495" without substitution.
- (34) Amend Section 3304.6.5.2 as follows:
 - (A) Delete "as required" without substitution.
 - (B) Delete "by DOTn 49 CFR, Part 172 and DOTy 27 CFR, Part 55" without substitution.
- (35) Amend Section 3304.7.1 by inserting "as adopted by the Commission at [675 IAC 26-3](#)" after NFPA 495.
- (36) Delete Section 3304.10.1 in its entirety without substitution.
- (37) Amend Section 3304.10.5 as follows:
 - (A) Delete "practicable" without substitution.
 - (B) Delete "When possible," without substitution.
 - (C) Delete "barricades" and insert "Barricades".
 - (D) Delete "adequate" and substitute "approved".
- (38) Amend Section 3305.1 as follows:
 - (A) Insert "as adopted by the Commission at [675 IAC 26-3](#)" after "NFPA 495".
 - (B) Delete "and NFPA 1124" without substitution.
 - (C) Add "as adopted by the Commission at [675 IAC 26-3](#)" in Exception 2 after "495".
 - (D) Add "as adopted by the Commission at [675 IAC 22-2.2-26](#)" in Exception 3 after "1126".
- (39) Amend Section 3305.2 to insert "and" before 406 and delete "and 407" at the end of the sentence.
- (40) Delete Section 3305.2.1 in its entirety without substitution.
- (41) Delete Section 3305.2.2 in its entirety without substitution.
- (42) Amend Section 3305.3 as follows:
 - (A) Delete the exception in its entirety without substitution.
 - (B) Delete "a suitable" and substitute "an approved" in the third sentence.
 - (C) Delete "adequate" and substitute "approved" in the third sentence.
 - (D) Delete the last paragraph without substitution.
- (43) Amend Section 3305.4 by deleting the exception in its entirety without substitution.
- (44) Amend Section 3305.5 by deleting the exception in its entirety without substitution.
- (45) Amend Section 3305.5.3 as follows:
 - (A) Delete "Where necessary," without substitution.
 - (B) Delete "the operator" and insert "The operator".
- (46) Amend Section 3305.6.1 by deleting "warrants" and substituting "creates a significant fire or explosion hazard".
- (47) Amend Section 3305.6.4.1 by deleting "appropriate" and substituting "approved".
- (48) Amend Section 3305.6.8 by deleting the exception in its entirety without substitution.
- (49) Amend Section 3305.8 by deleting "only in isolated areas where distance, protection from missiles, shrapnel or fly rock, and other safeguards provides protection against injury to personnel or damage to property" and substituting "in accordance with [675 IAC 26-3](#)".
- (50) Amend Section 3306.1 as follows:
 - (A) Add "as adopted by the Commission at [675 IAC 26-3](#)" after "NFPA 495".
 - (B) Add an exception to read as follows: Exception: Section 3306 does not apply to the hand loading of small arms ammunition prepared for personal use and not for resale.
- (51) Amend Section 3306.3 by deleting "conforming to DOTn 49 CFR, Part 173" without substitution.
- (52) Amend Section 3306.3.2 by deleting the exception in its entirety without substitution.
- (53) Delete Section 3306.4 in its entirety without substitution.
- (54) Delete Section 3306.4.1 in its entirety without substitution.
- (55) Delete Section 3306.4.2 in its entirety without substitution.
- (56) Amend Section 3306.5.2.3 by deleting number 1 and substituting "Quantities not to exceed 750,000 small arms primers stored in a building shall be arranged such that not more than 100,000 small arms primers are stored in any one pile and piles are at least 15 feet (4,572 mm) apart.".
- (57) Amend Section 3307 by deleting the text in its entirety and substituting "See [675 IAC 26-3](#)".

(58) Amend Section 3308 by deleting the text in its entirety and substituting "See [675 IAC 28-1-39](#)".

(Fire Prevention and Building Safety Commission; [675 IAC 22-2.4-34](#); filed Mar 18, 2008, 2:30 p.m.: [20080423-IR-675070478FRA](#), eff 90 days after filing with the Publisher; errata filed Jul 9, 2008, 12:34 p.m.: [20080723-IR-675070478ACA](#); filed Oct 27, 2009, 2:39 p.m.: [20091125-IR-675090187FRA](#))

SECTION 10. [675 IAC 22-2.4-35](#) IS AMENDED TO READ AS FOLLOWS:

[675 IAC 22-2.4-35](#) Chapter 34; flammable and combustible liquids

Authority: [IC 22-13-2-2](#)

Affected: [IC 22-12-7](#); [IC 22-13](#); [IC 22-14](#); [IC 36-8-17](#)

Sec. 35. Chapter 34 is amended as follows:

(1) Amend Section 3401.4 by deleting it in its entirety and substituting the following: 3401.4 Plans. Prior to commencement of construction to store more than six hundred sixty (660) gallons (two thousand four hundred ninety-eight (2,498) L) of liquid outside of buildings in drums or tanks, the owner shall notify the servicing fire department, in writing, of the proposed storage and that a copy of the plans released under [675 IAC 12-6](#) are available upon request. A copy of the released plans shall indicate the method of storage, quantities to be stored, distances from the buildings and property lines, accessways, fire protection facilities, and provisions for spill control, drainage control, and secondary containment.

(2) Amend Section 3403.5 by deleting the first sentence and substituting the following: The inspection authority is authorized to require warning signs for the purpose of identifying hazards of storing or using flammable liquids, when such storage or using would cause a fire or explosion hazard.

(3) Amend Section 3404.2.2 by deleting the text in its entirety and substituting the following: 3404.2.2 Use of tank vehicles and tank cars as storage tanks. Tank cars and tank vehicles shall not be used as permanent storage tanks.

(4) Amend Section 3404.2.3.1 by adding an exception to read as follows: Exception: Buildings or structures that are smoke-free environments and are posted as such at all public and employee entrances, and no visible evidence of prohibited smoking exist within the building or structure.

(5) Amend Section 3404.2.7.5.5.2 by deleting "1,000 gallons (3,785 L)" and substituting "one thousand one hundred (1,100) gallons (four thousand one hundred sixty-four (4,164) L)".

(6) Amend Section 3404.2.7.5.8 by adding "underground" after "liquid" and before "storage".

(7) Amend Section 3404.2.9.5.1 by deleting "(see Section 3 of the Sample Ordinance for Adoption of the International Fire Code on page v)" without substitution.

(8) Amend Section 3404.2.10 by deleting both exceptions in their entirety and substituting the following:

Exceptions: 1. Aboveground tanks are not required to be provided with diking when the tank complies with the requirements of Section 2206.2.3 Installation of Tanks, including subsections (a), (b), and (c), and secondary containment systems are monitored for leak detection with an automatic alarm system, visual and/or audible.

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 3404.2.10.

3. Drainage control and diking is not required for listed secondary containment tanks.

(9) Amend Section 3404.2.10.5 by adding Exception 3 as follows: Exception 3. Tanks storing 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.

(10) Amend Section 3404.2.11.4 by deleting the text in its entirety and substituting the following: 3404.2.11.4 Overfill protection and prevention systems. Fill pipes shall be equipped with a spill container and an overfill prevention system for each tank. The system shall either:

(1) Automatically shut off the flow of liquid into the tank when the tank is not more than ninety-five (95) percent of tank capacity; or

(2) Have an alarm which provides an audible and visual signal when the quantity of liquid in the tank reaches ninety (90) percent of the tank capacity; or

(3) 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 the top of the tank are exposed to product due to overfilling.

(11) Amend Section 3404.2.12.2 by deleting "in the presence of the code official" and by adding a sentence before the last sentence to read "A Tank Tightness Test report shall be forwarded to the local code official within forty-eight (48) hours."

- (12) Amend Section 3404.3.1.1 by deleting the text in its entirety and substituting the following: Only listed or labeled containers and portable tanks shall be used.
- (13) Amend Section 3404.3.2.1.1 as follows:
- (A) Delete "listed in accordance with UL1275, or constructed of approved wood or metal in accordance with the following:" and substitute the following:
 - (1) One of the following:
 - a. listed in accordance with UL 1275
 - b. approved by the code official
 - c. in compliance with the rules of the Commission or its predecessor agencies in effect at the time the materials, including quantities and their location, were first stored
 - d. constructed of approved wood or metal in accordance with the following:
 - (B) Delete "Unlisted" in items 1 and 2.
 - (C) Delete "metal" and substitute "Metal".
 - (D) Delete "wood" and substitute "Wood".
- (14) Amend Section 3404.3.2.1.3 by adding an exception to read as follows: Exception: Doors on cabinets that comply with 3404.3.2.1.1 (b) or 3404.3.2.1.1 (c).
- (15) Amend Section 3404.3.2.2 by adding ", with not more than 60 gallons (227 L) being Class I or II liquids" to the end of the section.
- (16) Add a new Section 3404.3.2.3: Section 3404.3.2.3. Number of storage cabinets. Not more than three storage cabinets shall be located in a single fire area, except that in a Group F occupancy, additional cabinets are allowed to be located in the same fire area if the additional cabinets (or groups of up to three cabinets) are separated from other cabinets or groups of cabinets by at least 100 feet (30,480 mm).
- (17) Amend Section 3404.2.9.1.1 to delete "When required by the fire code official" without substitution.**
- ~~(17)~~ **(18)** Amend Section 3404.3.3.9 by deleting "NFPA 230" without substitution.
- ~~(18)~~ **(19)** Amend Section 3404.3.6.5 by deleting "When required by the code official" without substitution.
- ~~(19)~~ **(20)** Amend Section 3405.3.1 by deleting the exception in its entirety without substitution.
- ~~(20)~~ **(21)** Amend Section 3405.3.7.5.1 by deleting the exception in its entirety without substitution.
- ~~(24)~~ **(22)** Amend Section 3405.3.7.5.3 by deleting the first sentence and substituting the following: Spill control shall be provided in accordance with Section 3403.4 where Class I, II, or IIIA liquids are dispensed into containers exceeding a two (2) gallon (seven and six-tenths (7.6) liter) capacity or mixed or used in open containers or systems exceeding five and three-tenths (5.3) gallon (twenty (20) liter) capacity.
- (23) Amend Section 3405.5.1, item number 3 as follows: 3. The maximum quantity permitted in a corridor shall be as follows:**
- a. In other than I-2 occupancies; 10 gallons (37.85 L) per control area.**
 - b. In I-2 occupancies; 10 gallons (37.85 L) per smoke compartment (as defined in the 2008 Indiana Building Code).**
- ~~(22)~~ **(24)** Amend Section 3406.2.2 by deleting the last sentence without substitution.
- ~~(23)~~ **(25)** Amend Section 3406.2.4.3 by deleting "50 feet (15,240 mm)" and substituting "ten (10) feet (three thousand forty-eight (3,048) mm)" in two (2) places."
- ~~(24)~~ **(26)** Amend Section 3406.2.4.4 by deleting "(see Section 3 of the Sample Ordinance for Adoption of the International Fire Code on page v)" without substitution.
- ~~(25)~~ **(27)** Amend Section 3406.2.8 by deleting number 1 in its entirety and substituting the following: The tank vehicle is equipped to supply fuel to motor vehicle fuel tanks.
- ~~(26)~~ **(28)** Amend Section 3406.2.8.1 by deleting "50 feet (15,240 mm)" and substituting "twenty-five (25) feet (seven thousand six hundred twenty (7,620) mm)".
- ~~(27)~~ **(29)** Amend Section 3406.4 by adding a sentence at the end to read as follows: Also see Section 2206.2.3.1 of this code.
- ~~(28)~~ **(30)** Amend Section 3406.5.1.18 as follows: Delete Exception 2 in its entirety without substitution and renumber Exception 3 as Exception 2.
- ~~(29)~~ **(31)** Amend Section 3406.5.4.4 by deleting the text in its entirety and substituting the following: Fueling of vehicles at construction sites and similar areas. Transfer of liquid from tank vehicles to motor vehicles at construction sites, earth-moving projects, gravel pits, and borrow pits is allowed in accordance with Section 3406.2.8.
- ~~(30)~~ **(32)** Amend Section 3406.6.2.1 by deleting the text in its entirety and substituting the following: (a) Tank vehicles shall not be left unattended on any street, highway, avenue, or alley, provided that drivers are not prevented from those necessary absences from the vehicle connected with their normal duties, nor shall this requirement prevent stops for meals or rest stops during the day or night.
- Exception 1. This shall not apply to an emergency.
 - Exception 2. This shall not apply to vehicles parked in accordance with (b).
- (b) Tank vehicles shall not be parked in congested areas. Such vehicles shall be permitted to be parked off the

street in uncongested areas if at least fifty (50) feet (fifteen (15) m) from any building used for assembly, institutional, or multiple residential occupancy. This requirement shall not prohibit the parking of cargo vehicles of three thousand five hundred (3,500) gallons (thirteen (13) m³) water capacity or less on streets adjacent to the driver's residence in uncongested residential areas, provided such parking locations are at least fifty (50) feet (fifteen (15) m) from a building used for assembly, institutional, or multiple residential occupancy.

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SECTION 11. [675 IAC 22-2.4-45.1](#) IS ADDED TO READ AS FOLLOWS:

[675 IAC 22-2.4-45.1](#) Chapter 45; referenced standards

Authority: [IC 22-13-2-2](#)

Affected: [IC 22-12-7](#); [IC 22-13](#); [IC 22-14](#); [IC 36-8-17](#)

Sec. 45.1. In ICC 300-02 (Standard for Bleachers, Folding and Telescopic Seating and Grandstands), delete Chapter 5 in its entirety without substitution.

(Fire Prevention and Building Safety Commission; [675 IAC 22-2.4-45.1](#); filed Oct 27, 2009, 2:39 p.m.: [20091125-IR-675090187FRA](#))

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