

July 30, 2002

Mayor Susan Bauman
City of Madison
210 Martin Luther King Jr. Blvd.
Rm. 403
Madison, WI. 53710

Dear Mayor Bauman:

I am writing in reference to your recent request to grant a written Special Order as outlined in s. Comm 14.004(1)(b) of the State Fire Prevention Code. This order will allow the City of Madison to use the International Fire Code (IFC) as the model fire code in lieu of NFPA 1 and Subchapter III of Chapter Comm 14.

The Administrative rules require the municipality to adopt by ordinance all of the following IFC Chapters in their entirety:

- Chapter 3 through Chapter 10
- Chapter 23 through Chapter 29
- Chapter 39 through Chapter 42
- Chapter 12 through Chapter 21
- Chapter 36

We have received a copy of your adoption ordinance. One copy of your ordinance is attached and the other is on file in the Fire Safety Section at the Department of Commerce.

I, Philip Edw. Albert, hereby grant this written Special Order, approving the City of Madison to use the International Fire Code in lieu of NFPA 1 as the adopted model fire code, subject to the limitations outlined in the Administrative Rules and the conditions included in the attached Special Order. In addition, the following IFC Chapters modified as specified will apply:

- Chapter 1
- Chapter 2
- Chapter 45

The provisions of this Special Order do not prohibit the City of Madison from adopting additional provisions of the IFC or to enact and enforce more restrictive regulations, provided the regulations do not conflict with s. Comm 14.003(4) of the Wisconsin Administrative Code. Your ordinance adopts all of the IFC with local amendments, more than the minimum chapters required for this special order. The City of Madison may still enforce the provisions of the additional IFC chapters and local amendments provided the regulations are more restrictive and do not conflict with s. Comm 14.003(4) of the Wisconsin Administrative Code, the IFC chapters specified in s. Comm 14.004(1)(b) and the conditions of this special order.

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Should you have any questions, please contact Terry Nolen, Fire Safety Consultant, at (608) 845-5375.

Sincerely,

Philip Edw. Albert
SECRETARY

cc: Chief Debra H. Amesqua

Enclosures: Special Order for the City of Madison
City of Madison Fire Ordinance

Special Order for the City of Madison

Section 1 Application. The design and construction requirements in the IFC that apply to public buildings or places of employment are not included as part of this special order.

Note: See chs. Comm 61 to 65 of the Wisconsin Administrative Code for design and construction requirements for public buildings and places of employment, such as s. Comm 61.03 (13), which applies various design and construction requirements in the IFC.

Note: See s. Comm 14.003 Note for a partial listing of other rules promulgated by the department and other state agencies that may affect the design, construction, maintenance, and use of public buildings, places of employment, and premises.

Section 100 Administration. (1) Except for the requirements in IFC sections 102.6 and 110, the requirements in IFC chapter 1 are not included as part of this special order.

(2) Any requirement contained in IFC chapter 1 that is subsequently referred to elsewhere in the IFC is not included as part of this special order.

(3) Any permit required in IFC section 105 and subsequently referred to elsewhere in the IFC is not required by this special order but may be required by local ordinance.

Note: The sections in this special order are generally numbered to correspond with the section numbering in the IFC; for example, Section 202 corresponds to IFC section 202.

Section 202 Definitions. (1) ADDITIONS. These are department definitions in addition to the definitions in IFC section 202:

(a) “Department” means the department of commerce.

(b) “EC and ICC Electrical Code” mean ch. Comm 16.

(c) “Fire department” means a municipal fire department, public safety department, or public or private organization, such as a fire association, fire district, fire company or fire corporation, organized or created for the purpose of extinguishing fires and preventing fire hazards.

(d) 1. “IBC and International Building Code” mean chs. Comm 61 and 62.

2. “IFC and International Fire Code” mean the 2000 edition of the *International Fire Code*[®] – 2000, as referenced and modified in this special order.

3. “IFGC and International Fuel Gas Code” mean ch. Comm 65.

4. “IMC and International Mechanical Code” mean ch. Comm 64.

5. “IPC and International Plumbing Code” mean chs. Comm 81 to 87.

(e) “Multifamily dwelling” has the meaning as defined in s. 101.971 (2), Stats.

(f) “Municipality” means a city, village or town.

(g) “One- and 2-family dwelling” has the meaning as defined for dwelling in s. 101.61 (1), Stats.

(2) SUBSTITUTION. Substitute the following definition and informational note for the corresponding definition listed in IFC section 202: “Automatic sprinkler system” or “Automatic fire sprinkler system” has the meaning given in s. 145.01 (2), Stats.

Note: Section 145.01 (2), Stats., reads as follows: “ ‘Automatic fire sprinkler system,’ for fire protection purposes, means an integrated system of underground and overhead piping designed in accordance with fire protection engineering standards. The system includes a suitable water supply, such as a gravity tank, fire pump, reservoir or pressure tank or connection beginning at the supply side of an approved gate valve located at or near the property line where the pipe or piping system provides water used exclusively for fire protection and related appurtenances and to standpipes connected to automatic sprinkler systems. The portion of the sprinkler system above ground is a network of specially sized or hydraulically designed piping installed in a building, structure or area, generally overhead, and to which sprinklers are connected in a systematic pattern. The system includes a controlling valve and a device for actuating an alarm when the system is in operation. The system is usually activated by heat from a fire and discharges water over the fire area.”

Section 301 General. These are department requirements in addition to the requirements in IFC section 301.1:

(1) PROHIBITIONS. The following activities are prohibited:

(a) Interfering with the proper functioning of a fire alarm system.

(b) Interfering with the lawful efforts of a firefighter to extinguish a fire.

(c) Interfering with, tampering with or removing a fire extinguisher, hose or other fire fighting equipment without proper authorization.

(d) Interfering with the accessibility of a fire hydrant.

(e) Intentionally giving a false alarm to any public officer or employee.

Note: Section 941.12, Stats., reads as follows: “Interfering with fire fighting. (1) Whoever intentionally interferes with the proper functioning of a fire alarm system or the lawful efforts of fire fighters to extinguish a fire is guilty of a Class E felony.

(2) Whoever interferes with, tampers with or removes, without authorization, any fire extinguisher, fire hose or any other fire fighting equipment, is guilty of a Class A misdemeanor.

(3) Whoever interferes with accessibility to a fire hydrant by piling or dumping material near it without first obtaining permission from the appropriate municipal authority is guilty of a Class C misdemeanor. Every day during which the interference continues constitutes a separate offense.”

Section 941.13, Stats., reads as follows: “False alarms. Whoever intentionally gives a false alarm to any public officer or employee, whether by means of a fire alarm system or otherwise, is guilty of a Class A misdemeanor.”

(2) MATCHES. The manufacture, storage and distribution of matches shall comply with s. 167.07, Stats.

Section 307 Open burning. (1) BURNING OF BUILDINGS OR PROPERTY. This is a department requirement in addition to the requirements in IFC section 307.1: The unsafe burning of buildings or property is prohibited. Penalties are as specified in ss. 941.11, 943.02 and 943.03, Stats.

(2) PRIOR APPROVAL. Substitute the following wording and informational note for the requirements in IFC section 307.2:

(a) Except as provided in par. (b), all persons shall obtain authorization from the fire chief before kindling or maintaining any open burning or authorizing the kindling or maintaining of any open burning within the limits of any incorporated city or village.

(b) The following open burning shall be allowed without authorization from the fire chief: outdoor cooking, campfires and burning related to training for fire departments.

Note: Open burning is also subject to the rules of the department of natural resources and to local ordinances and regulations. Burning outside the incorporated limits of cities and villages is regulated by the department of natural resources under ch. NR 30—Forest Fire Control and ss. 26.11 to 26.13, Stats.

Section 308 Open flames. These are department requirements in addition to the requirements in IFC section 308:

(1) NEGLIGENT HANDLING. The negligent handling of burning material is prohibited. Penalties are as specified in ss. 941.10 and 943.05, Stats.

(2) OPEN-FLAME CANDLES AND FIXTURES. (a) Except as provided in pars. (a) to (g), the use of open-flame candles or open-flame fixtures in public buildings and places of employment is prohibited.

(b) Open-flame candles or open-flame fixtures may be used in churches, fraternal lodges and other buildings as part of a religious, fraternal, or ceremonial ritual.

(c) Candles may be used in restaurants, supper clubs and similar occupancies provided the candle is enclosed on all sides with glass or similar noncombustible material and the enclosure extends at least one inch above the tip of the flame.

(d) Open-flame candles and open-flame fixtures may be used in the seating areas of public assembly buildings provided the following conditions are satisfied:

1. The stand upon which the candle is placed is a nontipping weighted stand or is securely attached to the end of fixed seating in at least 2 places.

2. The base of the candle is at least 78 inches from the floor.

3. The candle is guarded on top and sides at all times.

Note: Compliance with this subdivision may be attained by the use of a glass chimney and a perforated metal cap.

4. The aisle where the candles are placed is at least 5 feet wide.

(e) Open-flame food warming candles may be used in restaurants, supper clubs and similar occupancies.

(f) The use of decorative or other lights, which are fueled by flammable or combustible liquids, may be used provided they are self-extinguishing.

(g) The use of open flames other than those uses specified in pars. (b) to (f) shall be subject to the approval of the fire chief.

Section 408 Covered mall buildings. (1) Substitute the following wording for the requirements in IFC section 408.11: Covered mall buildings shall comply with the provisions of sections 408.11.2 and 408.11.3.

(2) The requirements in IFC ss. 408.11.1 to 408.11.1.2 are not included as part of this special order.

Section 501 Construction documents. Substitute the following informational note for the requirements in IFC section 501.3: **Note:** See chs. Comm 61 to 65 for submittal requirements for construction documents for fire apparatus access.

Section 503 Fire apparatus access. Substitute the following wording and informational note for the requirements in IFC section 503: Fire apparatus access may not be obstructed in any manner including the parking of vehicles or the accumulation of snow. The required clearances shall be maintained at all times.

Note: See chs. Comm 61 to 65 for requirements on providing access for fire apparatus.

Section 603 Portable unvented heaters. Substitute the following wording for the requirements and the exception in IFC sections 603.4 and 603.4.1: Portable unvented fuel-fired heating equipment is prohibited except during construction or demolition of a building as allowed under IFC section 1403.

Section 606 Mechanical refrigeration. The requirements in IFC section 606 are not included as part of this special order.

Section 703 Maintenance. This is a department requirement in addition to the requirements in IFC section 703.1: At least every four years, all fire dampers, smoke dampers and ceiling dampers and components shall be operated to ensure they remain in working condition as designed and installed.

Section 804 Decorative vegetation. This is an additional department exception to the requirements in IFC section 804.1.1: IFC section 804.1.1 does not apply to natural cut Christmas trees.

Section 901 Fire protection systems. (1) CONSTRUCTION DOCUMENTS. Substitute the following informational note for the requirements in IFC section 901.2: **Note:** See chs. Comm 61 to 65 for submittal requirements for construction documents for fire protection systems.

(2) FIRE HOSE THREADS. These are department informational notes to be used under IFC section 901.4:

Note: Section 213.15, Stats., regulates fire hose threads and fittings and reads as follows: “All fire hose fittings, apparatus fittings, 1.5 and 2.5 inches in diameter purchased or procured by a fire department or fire company shall be of the national standard hose thread as adopted by the national fire protection association. No fire department shall utilize hose and equipment not in conformance with the requirement that all threads shall be national standard hose thread as adopted by the national fire protection association. Any person offering for sale nonstandard hose couplings, fittings or apparatus fittings may be fined not less than \$100 nor more than \$500.”

Note: NFPA 1963 contains the specifications for national standard hose thread.

(3) ADDITIONAL FIRE PROTECTION SYSTEMS. The requirements in IFC section 901.4.3 are not included as part of this special order.

(4) INSPECTION, TESTING AND MAINTENANCE. These are department requirements in addition to the requirements in IFC section 901.6:

(a) *Inspection, testing and maintenance of automatic fire sprinkler systems.* At least once each year, the inspection, testing and maintenance specified for automatic fire sprinkler systems in NFPA 25 shall be conducted by a person having the applicable credential specified in ch. Comm 5.

Note: This section does not preclude noncredentialed individuals from conducting the daily, weekly, monthly, quarterly or semiannual inspection and testing activities for automatic fire sprinkler systems required under NFPA 25 and NFPA 72.

(b) *Inspection, testing and maintenance of cross connection control devices.* All cross connection control devices installed in water-based fire protection systems shall be inspected, tested and maintained in accordance with this special order and ch. Comm 82.

Section 904 Alternative automatic fire-extinguishing systems. (1) MANUAL-WET SPRINKLER SYSTEMS. This is a department requirement in addition to the requirements in IFC section 904: Inspection, testing and maintenance of manual wet sprinkler systems shall comply with all the requirements of NFPA 25, for an automatic sprinkler system, except that the main drain test specified in NFPA 25 is not required.

(2) OPERATIONS AND MAINTENANCE. This is a department requirement in addition to the requirements in IFC section 904.11.6: Duct and hood systems, including the fire extinguishing system, shall be maintained in accordance with NFPA 96, as referenced in chs. Comm 61 to 65.

(3) EXTINGUISHING SYSTEM SERVICE. Substitute the following wording for the requirements in IFC section 904.11.6.4: Automatic fire-extinguishing systems shall be serviced at least every 6 months and after activation of the system. Inspection shall be by qualified individuals, and a certificate of inspection shall be maintained and made available to the code official on request.

Section 907 Fire alarm and detection systems. This is a department informational note to be used under IFC section 907.20.5:

Note: Section 101.145 (3) (b) and (c), Stats., address maintenance of smoke detectors in residential buildings and read as follows: Section 101.145 (3) (b) “The owner of a residential building shall maintain any such smoke detector that is located in a common area of that residential building.”

(c) “The occupant of a unit in a residential building shall maintain any smoke detector in that unit, except that if an occupant who is not an owner, or a state, county, city, village or town officer, agent or employee charged under statute or municipal ordinance with powers or duties involving inspection of real or personal property, gives written notice to the owner that a smoke detector in the unit is not functional the owner shall provide, within 5 days after receipt of that notice, any maintenance necessary to make that smoke detector functional.”

Section 909 Smoke control systems. (1) INSPECTIONS FOR SMOKE CONTROL. The requirements in IFC section 909.18 are not included as part of this special order.

(2) SYSTEM ACCEPTANCE. The requirements in IFC section 909.19 are not included as part of this special order.

Section 1008 Seating exception. This is an additional department exception to the requirements in IFC section 1008.10: Seats not secured to the floor are permitted for companions of a person with a disability.

Section 1010 Means of egress for existing buildings. Substitute the following wording for the requirements in IFC section 1010: The entire means of egress system shall remain clear and unobstructed continuous to the public way or safe dispersal area at all times. All components of the means of egress system shall be maintained to remain in compliance with the building and illumination codes in effect at the time of construction.

Section 1903 General Requirements. These are department requirements in addition to the requirements in IFC section 1903:

(1) BURNING OF REFUSE MATERIALS. Where approved by the fire chief, the burning of shavings, sawdust and refuse materials shall be only in boilers, furnaces, incinerators or refuse burners, safely constructed and located.

(2) SPARK PROTECTION. Stacks shall be provided with approved spark arresters having openings not greater than $\frac{3}{4}$ -inch, or other effective means provided, such as an expansion chamber, baffle walls or other effective arrangement, which will eliminate the danger from sparks.

(3) STORAGE FACILITY. At the boiler or other points where sawdust or shavings are used as fuel, a storage bin of noncombustible construction with raised sill shall be provided.

Section 1907 Storage of wood chips and hogged material. Substitute the following wording for the requirements in IFC section 1907.5: The owner or operator shall develop a plan for monitoring, controlling and extinguishing spot fires and submit the plan for review and approval where required by the code official.

Section 1908 Storage and processing of wood chips, hogged material, fines, compost and raw product. (1) STATIC PILE PROTECTION. Substitute the following wording for the requirements in IFC section 1908.6: Static piles shall be monitored by an approved means to measure internal temperatures. Internal pile temperatures shall be monitored and recorded weekly. Records shall be kept on file at the facility and made available for inspection. An operational plan indicating procedures and schedules for inspecting, monitoring and controlling

internal temperatures in static piles shall be submitted for review and approval where required by the code official.

(2) EMERGENCY PLAN. Substitute the following wording for the requirements in IFC section 1908.10: The owner or operator shall develop a plan for monitoring, controlling and extinguishing spot fires and submit the plan for review and approval where required by the code official.

Section 2406 Open or exposed flame. Substitute the following wording for the requirements in IFC section 2406.6: Where required by the code official, open flame or devices that emit flame or heat or any flammable or combustible liquids, gas, charcoal or other cooking device or any other unapproved devices are not permitted inside or within 20 feet of a tent, air-supported, air-inflated or tensioned membrane structure while open to the public unless approved by the code official.

Section 2504 Fire safety plan. Substitute the following wording for the requirements in IFC section 2504.5: Where required by the code official, the owner or individual in charge of the tire storage yard shall prepare a fire safety plan and submit it to the code official for review and approval. The fire safety plan shall include provisions for fire department vehicle access. At least one copy of the fire safety plan shall be prominently posted and maintained at the storage yard.

Section 2601 Restricted areas. Substitute the following wording for the requirements in IFC section 2601.3: Where required by the code official, hot work may only be conducted in areas designed or authorized for that purpose by the personnel responsible for a hot work program and may not be conducted in the following areas unless approval has been obtained from the code official:

- (1)** Areas where the sprinkler system is impaired.
- (2)** Areas where there exists the potential of an explosive atmosphere, such as locations where flammable gases, liquids, or vapors are present.
- (3)** Areas with readily ignitable materials, such as storage areas for large quantities of bulk sulfur, baled paper, cotton, lint, dust, or loose combustible materials.
- (4)** On board ships at dock or ships under construction or repair.
- (5)** At other locations as specified by the code official.

Section 2604 Sprinkler protection. Substitute the following wording for the requirements in IFC section 2604.1.8: Automatic sprinkler protection may not be shut off while hot work is performed. Where hot work is performed close to automatic sprinklers, noncombustible barriers or damp cloth guards shall shield the individual sprinkler heads and shall be removed when the work is completed. If the work extends over several days, the shields shall be removed at the end of each workday. Where required by the code official, the code official shall approve hot work where sprinkler protection is impaired.

Section 2701 Scope. These are additional department exceptions to the requirements in IFC section 2701.1:

(1) Liquefied petroleum gas systems, liquefied natural gas systems and compressed natural gas systems.

Note: See ch. Comm 40 for the requirements for LPG, LNG and CNG systems.

(2) Anhydrous ammonia.

Note: See ch. Comm 45 for mechanical refrigeration requirements and ch. Comm 43 for requirements for anhydrous ammonia used for other than a refrigerant.

Section 4500 Referenced standards. Substitute the following NFPA standard for the corresponding standard listed in IFC chapter 45: NFPA 72-1999.

File reference: IBC/IFC instead of NFPA1d