

98-103 COMM STS - NFPA BLOC
CODE STDS.

WISCONSIN LEGISLATIVE COUNCIL STAFF

LCRC
FORM 2

RULES CLEARINGHOUSE

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CLEARINGHOUSE REPORT TO AGENCY

[THIS REPORT HAS BEEN PREPARED PURSUANT TO S. 227.15, STATS. THIS IS A REPORT ON A RULE AS ORIGINALLY PROPOSED BY THE AGENCY; THE REPORT MAY NOT REFLECT THE FINAL CONTENT OF THE RULE IN FINAL DRAFT FORM AS IT WILL BE SUBMITTED TO THE LEGISLATURE. THIS REPORT CONSTITUTES A REVIEW OF, BUT NOT APPROVAL OR DISAPPROVAL OF, THE SUBSTANTIVE CONTENT AND TECHNICAL ACCURACY OF THE RULE.]

CLEARINGHOUSE RULE 98-103

AN ORDER to repeal ILHR 64.45 (1) Note; to amend Comm 51.06 (6) (a) 3. b., 51.24 (intro.) and (10), 51.245 (1), 51.25 Table 51.25-17, 54.02 (2) (f) 2., 56.03 (2) (b), 56.61 (1) (a) 1., 56.63 (9) (b) 2., 56.64 (3) (a) and 56.65 (3) (a) and ILHR 52.01 (2) (d) 3. and 4. and (e) 2. Note, 58.27 (3) (a), 58.65 (1) and 64.45 (1); and to repeal and recreate Comm 51.245 (2) (a) and (3) (intro.) and ILHR 52.011 (2) Note, relating to NFPA standards in the building code.

Submitted by **DEPARTMENT OF COMMERCE**

07-17-98 RECEIVED BY LEGISLATIVE COUNCIL.
08-14-98 REPORT SENT TO AGENCY.

RS:DL;jal;kjf

LEGISLATIVE COUNCIL RULES CLEARINGHOUSE REPORT

This rule has been reviewed by the Rules Clearinghouse. Based on that review, comments are reported as noted below:

1. STATUTORY AUTHORITY [s. 227.15 (2) (a)]

Comment Attached YES NO

2. FORM, STYLE AND PLACEMENT IN ADMINISTRATIVE CODE [s. 227.15 (2) (c)]

Comment Attached YES NO

3. CONFLICT WITH OR DUPLICATION OF EXISTING RULES [s. 227.15 (2) (d)]

Comment Attached YES NO

4. ADEQUACY OF REFERENCES TO RELATED STATUTES, RULES AND FORMS
[s. 227.15 (2) (e)]

Comment Attached YES NO

5. CLARITY, GRAMMAR, PUNCTUATION AND USE OF PLAIN LANGUAGE [s. 227.15 (2) (f)]

Comment Attached YES NO

6. POTENTIAL CONFLICTS WITH, AND COMPARABILITY TO, RELATED FEDERAL
REGULATIONS [s. 227.15 (2) (g)]

Comment Attached YES NO

7. COMPLIANCE WITH PERMIT ACTION DEADLINE REQUIREMENTS [s. 227.15 (2) (h)]

Comment Attached YES NO

WISCONSIN LEGISLATIVE COUNCIL STAFF

RULES CLEARINGHOUSE

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CLEARINGHOUSE RULE 98-103

Comments

[NOTE: All citations to "Manual" in the comments below are to the Administrative Rules Procedures Manual, prepared by the Revisor of Statutes Bureau and the Legislative Council Staff, dated October 1994.]

2. Form, Style and Placement in Administrative Code

a. The analysis to the rule indicates that NFPA 72 is an additional standard that will be adopted in the Wisconsin Administrative Code. The department should ensure that the requirements of s. 227.21 (2), Stats., with the respect to the incorporation of standards, have been met.

b. In s. Comm. 51.245 (2) (a) 2., Stats., because of the use of the disjunctive word "or," the notation "ss." should be replaced by the notation "s."



State of Wisconsin \ Department of Commerce

HEARING DRAFT of PROPOSED RULES

Rule No.: Chapters Comm/ILHR 50-64

Relating to: Adopted NFPA Standards in the Building Code

The Wisconsin Department of Commerce (formerly Industry, Labor and Human Relations) proposes an order to repeal s. ILHR 64.45 (1) Note;

to amend ss. Comm 51.06 (6) (a) 3. b., Comm 51.24 (intro.), Comm 51.24 (10), Comm 51.245 (1), Comm 51.25 Table 51.25-17, ILHR 52.01 (2) (d) 3., ILHR 52.01 (2) (d) 4., ILHR 52.01 (2) (e) 2. Note, Comm 54.02 (2) (f) 2., Comm 56.03 (2) (b), Comm 56.61 (1) (a) 1., Comm 56.63 (9) (b) 2., Comm 56.64 (3) (a), Comm 56.65 (3) (a), ILHR 58.27 (3) (a), ILHR 58.65 (1), and ILHR 64.45 (1);

and to repeal and recreate ss. Comm 51.245 (2) (a), Comm 51.245 (3) (intro.) and ILHR 52.011 (2) Note.

.....
Analysis of Proposed Rules

Statutory Authority: ss. 101.02 (1) and (15), and 101.14 (4)

Statutes Interpreted: ss. 101.02 (1) and (15), and 101.14 (4) and (4m)

Under ss. 101.02 and 101.14, Stats., the Department has the responsibility to supervise every public building and place of employment, including the fire detection, prevention or suppression devices, in order to protect the life, health, safety and welfare of every employe, every frequenter and every tenant. Updating currently adopted standards related to building construction, building equipment, commodity storage, and fire detection, prevention and suppression is one part of that responsibility.

The proposed rule change updates the currently adopted National Fire Protection Association (NFPA) standards in the Building and Heating, Ventilating and Air Conditioning Code, chapters ILHR 50-64. No additional standards are adopted at this time, except for NFPA 72, which replaces four previously adopted standards. These four obsolete standards, NFPA 71, 72A, 72E, and 74 are repealed under this proposed change. Minor wording changes had to be made to the text to accommodate the scope of NFPA 72 and to correct the new designations or titles of the standards.

Some of the more important changes in these new editions include: 1) From NFPA 13, a single sprinkler may now cover up to 400 square feet, up from 225 square feet in previous editions.

2) Also from NFPA 13, light hazard occupancies now require quick-response type sprinklers.

3) From NFPA 72, smoke detectors in residential occupancies require battery backup in addition to the household current primary source. Although the NFPA 72 standard requires a smoke detector in each individual sleeping room of a new residential occupancy, this requirement is not adopted into the code at this time because of statutory language specifying the detector location.

.....

SECTION 1. Comm 51.06 (6) (a) 3. b. is amended to read:

Comm 51.06 (6) (a) 3. b. Freezer warehouses may be constructed without automatic fire sprinkler system protection provided the entire freezer warehouse is equipped with a fire detection system conforming to NFPA ~~72E~~ 72 and the system is connected to a constantly attended station; the freezer warehouse is separated from all other use areas of the building (i.e., offices, loading docks, nonrefrigerated storage, mechanical rooms) by at least 2-hour fire-resistive rated construction; the freezer warehouse or separated freezer warehouse part within a building is located to provide at least 30 foot separation to any property line or other building on the same property; and the foam plastic material complies with the provisions of sub. (7).

SECTION 2. Comm 51.24 (intro.) is amended to read:

Comm 51.24 (intro.) FIRE ALARM SYSTEMS. Interior fire alarm systems required under ss. Comm 54.17, 56.19 and ILHR 57.17 shall be designed and constructed in conformity with NFPA 72 and the following requirements:

SECTION 3. Comm 51.24 (10) is amended to read:

Comm 51.24 (10) MAINTENANCE. All fire alarm systems, ~~whether required by this code or not,~~ shall be maintained in an operable condition accordance with NFPA 72.

SECTION 4. Comm 51.245 (1) is amended to read:

Comm 51.245 (1) GENERAL REQUIREMENTS. All ~~required~~ smoke detectors shall be approved by the department and shall comply with the provisions of NFPA ~~72E~~ or NFPA ~~74~~ 72.

SECTION 5. Comm 51.245 (2) (a) is repealed and recreated to read:

Comm 51.245 (2) (a) 1. Except as provided under subd. 2., smoke detectors and smoke detector systems shall be installed in accordance with the provisions of NFPA 72 and in accordance with the manufacturer's directions and specifications.

2. Residential occupancies shall have smoke detectors provided as specified in ss. ILHR 57.16 or 66.49.

SECTION 6. Comm 51.245 (3) (intro.) is repealed and recreated to read:

Comm 51.245 (3) (intro.) MAINTENANCE. Smoke detectors shall be maintained in accordance with NFPA 72 and the following requirements:

(5)
local
term

SECTION 7. Comm 51.25, Table 51.25-17 is amended to read:

Table 51.25-17

~~NFPA~~ NFPA National Fire Protection Association
 One Batterymarch Park
P.O. Box 9101
 Quincy Massachusetts 02269 - 9101

Standard Reference Number	Title
1. 10 - 1988 <u>1998</u>	Standard for Portable Fire Extinguishers.
2. 13 - 1994 <u>1996</u>	Standard for the Installation of Sprinkler Systems.
3. 13R - 1994 <u>1996</u>	Standard for the Installation of Sprinkler Systems in Residential Occupancies up to and Including Four Stories in Height.
4. 15 - 1990 <u>1996</u>	Standard for Water Spray Fixed Systems for Fire Protection.
5. 20 - 1987 <u>1996</u>	Standard for the Installation of Centrifugal Fire Pumps.
6. 22 - 1987 <u>1996</u>	Standard for Water Tanks for Private Fire Protection.
7. 24 - 1987 <u>1995</u>	Standard for the Installation of Private Fire Service Mains and Their Appurtenances.
8. 25 - 1992 <u>1998</u>	Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems.
9. 31 - 1987 <u>1997</u>	Standard for the Installation of Oil-Burning Equipment.
10. 54 - 1992 <u>1996</u>	National Fuel Gas Code.
11. 71 - 1987	Standard for the Installation, Maintenance and Use of Protective Signaling Systems.
12. 72A - 1990	Standard for the Installation, Maintenance and Use of Local Protective Signaling Systems for Guard's Tour, Fire Alarm and Supervisory Service.
13. 72E - 1987	Standard on Automatic Fire Detectors.

14. 74 - 1989	Standard for the Installation, Maintenance and Use of Household Fire Warning Equipment.
<u>11.</u> <u>72</u> - 1996	<u>National Fire Alarm Code.</u>
15 <u>12.</u> 90A - 1985 <u>1996</u>	Standard for the Installation of Air Conditioning and Ventilating Systems.
16 <u>13.</u> 96 - 1994	Standard for the Installation of Equipment for the Removal of Smoke and Grease-Laden Vapors from Commercial Cooking Equipment.
17 <u>14.</u> 211 - 1988 <u>1996</u>	Standard for Chimneys, Fireplaces, Vents, and Solid Fuel-Burning Appliances.
18 <u>15.</u> 231 - 1990 <u>1995</u>	Standard for General Storage.
19 <u>16.</u> 231C - 1990 <u>1995</u>	Standard for Rack Storage of Materials.

SECTION 8. ILHR 52.01 (2) (d) 3. is amended to read:

ILHR 52.01 (2) (d) 3. The manual alarm and automatic detection system shall conform to the Wisconsin State Electrical Code, volume 2, ch. Comm 16 and ~~one of the following standards:~~

~~a. NFPA 71; or~~

~~b. NFPA 72.~~

SECTION 9. ILHR 52.01 (2) (d) 4. is amended to read:

ILHR 52.01 (2) (d) 4. Detectors shall conform to NFPA ~~72E~~ 72.

SECTION 10. ILHR 52.01 (2) (e) 2. Note is amended to read:

ILHR 52.01 (2) (e) 2. Note: The department will accept systems installed in accordance with ~~the Standard for the Installation, Maintenance and Use of Local Protective Signaling Systems for Watchmen, Fire Alarm and Supervisory Service, NFPA No. 72A.~~ NFPA 72.

SECTION 11. ILHR 52.011 (2) Note is repealed and recreated to read:

ILHR 52.011 (2) Note: See s. Comm 51.23 for additional system installation requirements.

SECTION 12. Comm 54.02 (2) (f) 2. is amended to read:

Comm 54.02 (2) (f) 2. Smoke detection in accord with NFPA ~~72E~~ 72, or an equivalent system acceptable to the department, is provided to all parts of the building within 100 feet of the mezzanine, with the detectors on the main floor and a horn in the mezzanine level.

SECTION 13. Comm 56.03 (2) (b) is amended to read:

Comm 56.03 (2) (b) Smoke detection systems shall be installed in accordance with NFPA ~~No. 72E or NFPA No. 74-72~~; but in no case shall smoke detectors be spaced more than 30 feet apart on center or more than 15 feet from any wall.

SECTION 14. Comm 56.61 (1) (a) 1. is amended to read:

Comm 56.61 (1) (a) 1. Additional smoke detectors complying with NFPA ~~72E~~ 72;

SECTION 15. Comm 56.63 (9) (b) 2. is amended to read:

Comm 56.63 (9) (b) 2. Smoke detectors shall be installed in accordance with NFPA ~~72E~~ 72. Activation of smoke detectors shall sound an alarm audible in a normally occupied area of the building or shall activate the building fire alarm system.

SECTION 16. Comm 56.64 (3) (a) is amended to read:

Comm 56.64 (3) (a) Where a stairway smoke-enclosure does not provide direct exiting to grade, the passageway connecting the stairway smoke-enclosure to the exterior exit shall be protected with smoke detectors. The detectors shall be located in accordance with NFPA ~~72E~~ 72.

SECTION 17. Comm 56.65 (3) (a) is amended to read:

Comm 56.65 (3) (a) Where stairway smoke cut-offs are provided, at least one smoke detector shall be placed at the head of the open stairway at the uppermost floor level. Additional smoke detectors shall be placed throughout the open corridor leading to the stairway. The smoke detectors shall be located in accordance with NFPA ~~72E~~ 72.

SECTION 18. ILHR 58.27 (3) (a) is amended to read:

ILHR 58.27 (3) (a) Except as provided in par. (b), an approved automatic smoke detection system shall be installed in all corridors in nursing homes. Such systems shall be installed and maintained as specified in NFPA ~~72E~~ 72 but in no case shall smoke detectors be spaced more than 30 feet apart on center or more than 15 feet from any wall. All automatic smoke detection systems required by this section shall be electrically interconnected to the fire alarm system.

SECTION 19. ILHR 58.65 (1) is amended to read:

ILHR 58.65 (1) An approved automatic smoke detection system shall be installed in all sleeping rooms, holding rooms, and in all corridors in connection with the sleeping room areas. Such systems shall be installed in accordance with NFPA ~~72E~~ 72 but in no case shall smoke detectors be spaced more than 30 feet apart on center or more than 15 feet from any wall, except as provided in sub. (2). All automatic smoke detection systems required by this section shall be electrically interconnected to the fire alarm system.

SECTION 20. ILHR 64.45 (1) is amended to read:

ILHR 64.45 (1) GENERAL REQUIREMENTS. Heating equipment using solid, liquid or gas fuels shall be vented to the outside, except as permitted in s. ILHR 64.21. A natural draft chimney or other venting device shall have the height and area to remove the products of combustion. Chimneys, smoke stacks, gas vents, mechanical draft and venting devices shall comply with the requirements of NFPA 211.

SECTION 21. ILHR 64.45 (1) Note is repealed.

(END)

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EFFECTIVE DATE

Pursuant to s. 227.22 (2) (intro.), Stats., these rules shall take effect on the first day of the month following publication in the Wisconsin Administrative Register.

.....



201 West Washington Avenue
P.O. Box 7970
Madison, Wisconsin 53707
(608) 266-1018

Tommy G. Thompson, Governor
Philip Edw. Albert, Acting Secretary

October 23, 1998

Senate Chief Clerk
Room 402
1 East Main Street
Madison, Wisconsin 53703

Assembly Chief Clerk
Room 402
1 East Main Street
Madison, Wisconsin 53703

Dear Chief Clerks:

**TRANSMITTAL IN FINAL DRAFT FORM OF ADMINISTRATIVE
RULES AND REPORT**

CLEARINGHOUSE RULE NO.: 98-103

RULE NO.: Section Comm 51.25-17 & Related Sections

RELATING TO: Update of Adopted NFPA Standards in the Building Code

Pursuant to section 227.19, Stats., agencies are required to submit, in triplicate, copies of the proposed administrative rules in final draft form together with a rule report and an analysis. The recommendations received from the Legislative Council are also to be submitted.

At this time, this material, together with cover letters to the President of the Senate and the Speaker of the Assembly, is being transmitted for referral to the standing committees for legislative review.

Respectfully submitted,

Philip Edw. Albert
Acting Secretary



201 West Washington Avenue
P.O. Box 7970
Madison, Wisconsin 53707
(608) 266-1018

Tommy G. Thompson, Governor
Philip Edw. Albert, Acting Secretary

OCTOBER 23, 1998

Senator Brian Rude
President of the Senate
119 Martin L. King Blvd, Rm 102
Madison, Wisconsin 53702

Representative Scott Jensen
Speaker of the Assembly
211 West, State Capitol
Madison, Wisconsin 53702

Dear Senator Rude and Representative Jensen:

NOTICE OF ADMINISTRATIVE RULES IN FINAL DRAFT FORM

CLEARINGHOUSE RULE NO.: 98-103

RULE NO.: Section Comm 51.25-17 & Related Sections

RELATING TO: Update of Adopted NFPA Standards in the Building Code

Section 227.19, Stats., requires agencies to submit proposed rules in final draft form to the presiding officer of each house for referral to the appropriate legislative standing committees.

The following information, as required by law, is being submitted to you.

1. Rules in final draft form (in triplicate).
2. Report consisting of:
 - a) Rule Report.
 - b) Public Hearing Attendance Record.
 - c) Public Hearing Comment and Agency Response Form.
 - d) Legislative Council Rules Clearinghouse Report.
 - e) Response to Legislative Council Rules Clearinghouse Report.
 - f) Fiscal Estimate.
 - g) Final Regulatory Flexibility Analysis.

If you have any questions regarding this matter, please do not hesitate to contact us.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Philip Edw. Albert', written over a white background.

Philip Edw. Albert
Acting Secretary

FINAL REGULATORY FLEXIBILITY ANALYSIS

Department of Commerce

CLEARINGHOUSE RULE NO.: 98-103

RULE NO.: Section Comm 51.25-17 & Related Sections

RELATING TO: Update of Adopted NFPA Standards in the Building Code

1. **Reason for including or failing to include the following methods for reducing impact of the rule on small businesses: Less stringent compliance or reporting requirements; less stringent schedules or deadlines for compliance or reporting requirements; simplification of compliance or reporting requirements; establishment of performance standards to replace design or operational standards; exemption from any or all requirements.**

National Fire Protection Association (NFPA) standards have been established through a national consensus process. These newer editions of the NFPA standards contain more consistent and rational design, inspection and maintenance requirements than the older editions that are adopted currently. Exempting a particular size or type of business from these standards would pose safety and economic disruption threats to the entire community. It is essential to public health, safety and welfare that fire safety standards and administrative rules be enforced consistently and uniformly in all public buildings, regardless of the economic size of the business.

2. **Issues raised by small businesses during hearings, changes in proposed rules as a result of comments by small businesses and reasons for rejecting any alternatives suggested by small businesses.**

No negative comments were received from small businesses during the public hearing.

3. **Nature and estimated cost of preparation of any reports by small businesses.**

There are no reports required of small business in these standards.

4. **Nature and estimated cost of other measures and investments required of small businesses.**

There should be very few, if any, additional measures or additional costs in order for or small businesses to comply with these rules. These are simply updating standards that are currently adopted in the building code. Updated standards generally allow for cost and procedural efficiencies when compared with the older standards that are currently adopted. The inspection schedule for fire extinguishers contained in the newest edition of NFPA 10 has been simplified to have only two inspection thresholds for all types of fire extinguishers. The newest edition NFPA 13 allows a sprinkler to cover a larger area so that fewer sprinklers can cover the whole building.

5. **Additional cost to agency of administering or enforcing a rule which includes any of the methods in 1. for reducing impact on small businesses.**

There would be no additional costs.

6. **Impact on public health, safety and welfare caused by including any of the methods in 1. for reducing impact on small businesses.**

State statutes require the department to enforce fire safety requirements in all public buildings and places of employment. This is to ensure the safety of building owners, employees, frequenters, and all other occupants, including, in the extreme case, firefighters. The economic loss due to fire at a small business can be even more devastating than the loss at a large business because the small business is unlikely to have the resources to shift production or sales elsewhere. Therefore, it is essential to public health, safety and welfare that these standards and administrative rules be enforced consistently and uniformly in all public buildings.



State of Wisconsin \ Department of Commerce

RULES in FINAL DRAFT FORM

Rule No.: Section Comm 51.25-17 & Related Sections

Relating to: Update of Adopted NFPA Standards in the Building
Code

Clearinghouse Rule No.: 98-103

The Wisconsin Department of Commerce (formerly Industry, Labor and Human Relations) proposes an order to repeal s. ILHR 64.45 (1) Note;

to amend ss. Comm 51.06 (6) (a) 3. b., Comm 51.24 (intro.), Comm 51.24 (10), Comm 51.245 (1), Comm 51.25 Table 51.25-17, ILHR 52.01 (2) (d) 3., ILHR 52.01 (2) (d) 4., ILHR 52.01 (2) (e) 2. Note, Comm 54.02 (2) (f) 2., Comm 56.03 (2) (b), Comm 56.61 (1) (a) 1., Comm 56.63 (9) (b) 2., Comm 56.64 (3) (a), Comm 56.65 (3) (a), ILHR 58.27 (3) (a), ILHR 58.65 (1), and ILHR 64.45 (1);

and to repeal and recreate ss. Comm 51.19 (2) (c) 1. Note, Comm 51.245 (2) (a), Comm 51.245 (3) (intro.) and ILHR 52.011 (2) Note.



Analysis of Proposed Rules

Statutory Authority: ss. 101.02 (1) and (15), and 101.14 (4)

Statutes Interpreted: ss. 101.02 (1) and (15), and 101.14 (4) and (4m)

Under ss. 101.02 and 101.14, Stats., the Department has the responsibility to supervise every public building and place of employment, including the fire detection, prevention or suppression devices, in order to protect the life, health, safety and welfare of every employe, every frequenter and every tenant. Updating currently adopted standards related to building construction, building equipment, commodity storage, and fire detection, prevention and suppression is one part of that responsibility.

The proposed rule change updates the currently adopted National Fire Protection Association (NFPA) standards in the Building and Heating, Ventilating and Air Conditioning Code, chapters ILHR 50-64. No additional standards are adopted at this time, except for NFPA 72, which replaces four previously adopted standards. These four obsolete standards, NFPA 71, 72A, 72E, and 74 are repealed under this proposed change. Minor wording changes had to be made to the text to accommodate the scope of NFPA 72 and to correct the new designations or titles of the standards.

Some of the more important changes in these new editions include: 1) From NFPA 13, a single sprinkler may now cover up to 400 square feet, up from 225 square feet in previous editions.

2) Also from NFPA 13, light hazard occupancies now require quick-response type sprinklers.

3) From NFPA 72, smoke detectors in residential occupancies require battery backup in addition to the household current primary source. Although the NFPA 72 standard requires a smoke detector in each individual sleeping room of a new residential occupancy, this requirement is not adopted into the code at this time because of statutory language specifying the detector location.



SECTION 1. Comm 51.06 (6) (a) 3. b. is amended to read:

Comm 51.06 (6) (a) 3. b. Freezer warehouses may be constructed without automatic fire sprinkler system protection provided the entire freezer warehouse is equipped with a fire detection system conforming to NFPA ~~72E~~ 72 and the system is connected to a constantly attended station; the freezer warehouse is separated from all other use areas of the building (i.e., offices, loading docks, nonrefrigerated storage, mechanical rooms) by at least 2-hour fire-resistive rated construction; the freezer warehouse or separated freezer warehouse part within a building is located to provide at least 30 foot separation to any property line or other building on the same property; and the foam plastic material complies with the provisions of sub. (7).

SECTION 2. Comm 51.19 (2) (c) 1. Note is repealed and recreated to read:

Comm 51.19 (2) (c) 1. Note: See NFPA 72 for requirements on door closer initiating devices.

SECTION 3. Comm 51.24 (intro.) is amended to read:

Comm 51.24 (intro.) FIRE ALARM SYSTEMS. Interior fire alarm systems required under ss. Comm 54.17, 56.19 and ILHR 57.17 shall be designed and constructed in conformity with NFPA 72 and the following requirements:

SECTION 4. Comm 51.24 (10) is amended to read:

Comm 51.24 (10) MAINTENANCE. All fire alarm systems, ~~whether required by this code or not,~~ shall be maintained in ~~an operable condition~~ accordance with NFPA 72.

SECTION 5. Comm 51.245 (1) is amended to read:

Comm 51.245 (1) GENERAL REQUIREMENTS. All ~~required~~ smoke detectors shall be approved by the department and shall comply with the provisions of NFPA ~~72E~~ or ~~NFPA 74~~ 72.

SECTION 6. Comm 51.245 (2) (a) is repealed and recreated to read:

Comm 51.245 (2) (a) 1. Except as provided under subd. 2., smoke detectors and smoke detector systems shall be installed in accordance with the provisions of NFPA 72 and in accordance with the manufacturer's directions and specifications.

2. Residential occupancies shall have smoke detectors provided as specified in s. ILHR 57.16 or 66.49.

SECTION 7. Comm 51.245 (3) (intro.) is repealed and recreated to read:

Comm 51.245 (3) (intro.) MAINTENANCE. Smoke detectors shall be maintained in accordance with NFPA 72 and the following requirements:

SECTION 8. Comm 51.25, Table 51.25-17 is amended to read:

Table 51.25-17

NFPA <u>NFPA</u> National Fire Protection Association One Batterymarch Park <u>P.O. Box 9101</u> Quincy Massachusetts 02269 - <u>9101</u>	
Standard Reference Number	Title
1. 10 - 1988 <u>1998</u>	Standard for Portable Fire Extinguishers.
2. 13 - 1994 <u>1996</u>	Standard for the Installation of Sprinkler Systems.
3. 13R - 1994 <u>1996</u>	Standard for the Installation of Sprinkler Systems in Residential Occupancies up to and Including Four Stories in Height.
4. 15 - 1990 <u>1996</u>	Standard for Water Spray Fixed Systems for Fire Protection.
5. 20 - 1987 <u>1996</u>	Standard for the Installation of Centrifugal Fire Pumps.
6. 22 - 1987 <u>1996</u>	Standard for Water Tanks for Private Fire Protection.
7. 24 - 1987 <u>1995</u>	Standard for the Installation of Private Fire Service Mains and Their Appurtenances.
8. 25 - 1992 <u>1998</u>	Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems.
9. 31 - 1987 <u>1997</u>	Standard for the Installation of Oil-Burning Equipment.
10. 54 - 1992 <u>1996</u>	National Fuel Gas Code.
11. 71 - 1987	Standard for the Installation, Maintenance and Use of Protective Signaling Systems.

12. 72A - 1990	Standard for the Installation, Maintenance and Use of Local Protective Signaling Systems for Guard's Tour, Fire Alarm and Supervisory Service.
13. 72E - 1987	Standard on Automatic Fire Detectors.
14. 74 - 1989	Standard for the Installation, Maintenance and Use of Household Fire Warning Equipment.
<u>11.</u> <u>72</u> - 1996	<u>National Fire Alarm Code.</u>
15 <u>12.</u> <u>90A</u> - 1985 <u>1996</u>	Standard for the Installation of Air Conditioning and Ventilating Systems.
16 <u>13.</u> <u>96</u> - 1994	Standard for the Installation of Equipment for the Removal of Smoke and Grease-Laden Vapors from Commercial Cooking Equipment.
17 <u>14.</u> <u>211</u> - 1988 <u>1996</u>	Standard for Chimneys, Fireplaces, Vents, and Solid Fuel-Burning Appliances.
18 <u>15.</u> <u>231</u> - 1990 <u>1998</u>	Standard for General Storage.
19 <u>16.</u> <u>231C</u> - 1990 <u>1998</u>	Standard for Rack Storage of Materials.

SECTION 9. ILHR 52.01 (2) (d) 3. is amended to read:

ILHR 52.01 (2) (d) 3. The manual alarm and automatic detection system shall conform to the Wisconsin State Electrical Code, volume 2, ch. Comm 16 and ~~one of the following standards:~~

~~a. NFPA 71; or~~

~~b. NFPA 72.~~

SECTION 10. ILHR 52.01 (2) (d) 4. is amended to read:

ILHR 52.01 (2) (d) 4. Detectors shall conform to NFPA ~~72E~~ 72.

SECTION 11. ILHR 52.01 (2) (e) 2. Note is amended to read:

ILHR 52.01 (2) (e) 2. Note: The department will accept systems installed in accordance with ~~the Standard for the Installation, Maintenance and Use of Local Protective Signaling Systems for Watchmen, Fire Alarm and Supervisory Service, NFPA No. 72A.~~ NFPA 72.

SECTION 12. ILHR 52.011 (2) Note is repealed and recreated to read:

ILHR 52.011 (2) Note: See s. Comm 51.23 for additional system installation requirements.

SECTION 13. Comm 54.02 (2) (f) 2. is amended to read:

Comm 54.02 (2) (f) 2. Smoke detection in accord with NFPA ~~72E~~ 72, or an equivalent system acceptable to the department, is provided to all parts of the building within 100 feet of the mezzanine, with the detectors on the main floor and a horn in the mezzanine level.

SECTION 14. Comm 56.03 (2) (b) is amended to read:

Comm 56.03 (2) (b) Smoke detection systems shall be installed in accordance with NFPA ~~No. 72E or NFPA No. 74~~ 72; but in no case shall smoke detectors be spaced more than 30 feet apart on center or more than 15 feet from any wall.

SECTION 15. Comm 56.61 (1) (a) 1. is amended to read:

Comm 56.61 (1) (a) 1. Additional smoke detectors complying with NFPA ~~72E~~ 72;

SECTION 16. Comm 56.63 (9) (b) 2. is amended to read:

Comm 56.63 (9) (b) 2. Smoke detectors shall be installed in accordance with NFPA ~~72E~~ 72. Activation of smoke detectors shall sound an alarm audible in a normally occupied area of the building or shall activate the building fire alarm system.

SECTION 17. Comm 56.64 (3) (a) is amended to read:

Comm 56.64 (3) (a) Where a stairway smoke-enclosure does not provide direct exiting to grade, the passageway connecting the stairway smoke-enclosure to the exterior exit shall be protected with smoke detectors. The detectors shall be located in accordance with NFPA ~~72E~~ 72.

SECTION 18. Comm 56.65 (3) (a) is amended to read:

Comm 56.65 (3) (a) Where stairway smoke cut-offs are provided, at least one smoke detector shall be placed at the head of the open stairway at the uppermost floor level. Additional smoke detectors shall be placed throughout the open corridor leading to the stairway. The smoke detectors shall be located in accordance with NFPA ~~72E~~ 72.

SECTION 19. ILHR 58.27 (3) (a) is amended to read:

ILHR 58.27 (3) (a) Except as provided in par. (b), an approved automatic smoke detection system shall be installed in all corridors in nursing homes. Such systems shall be installed and maintained as specified in NFPA ~~72E~~ 72 but in no case shall smoke detectors be spaced more than 30 feet apart on center or more than 15 feet from any wall. All automatic smoke detection systems required by this section shall be electrically interconnected to the fire alarm system.

SECTION 20. ILHR 58.65 (1) is amended to read:

ILHR 58.65 (1) An approved automatic smoke detection system shall be installed in all sleeping rooms, holding rooms, and in all corridors in connection with the sleeping room areas. Such systems shall be installed in accordance with NFPA ~~72E~~ 72 but in no case shall smoke detectors be spaced more than 30 feet apart on center or more than 15 feet from any wall, except as provided in sub. (2). All automatic smoke detection systems required by this section shall be electrically interconnected to the fire alarm system.

SECTION 21. ILHR 64.45 (1) is amended to read:

ILHR 64.45 (1) GENERAL REQUIREMENTS. Heating equipment using solid, liquid or gas fuels shall be vented to the outside, except as permitted in s. ILHR 64.21. A natural draft chimney or other venting device shall have the height and area to remove the products of combustion. Chimneys, smoke stacks, gas vents, mechanical draft and venting devices shall comply with the requirements of NFPA 211.

SECTION 22 ILHR 64.45 (1) Note is repealed.

(END)

.....

EFFECTIVE DATE

Pursuant to s. 227.22 (2) (intro.), Stats., these rules shall take effect on the first day of the month following publication in the Wisconsin Administrative Register.

.....

RULE REPORT

Department of Commerce

Rule No.: Chapters Comm/ILHR 50-64

Relating to: Adopted NFPA Standards in the Building Code

Agency contact person for substantive questions:

Name John Lippitt

Title Program Manager - Fire Safety

Telephone Number 266-1036

Agency contact person for internal processing:

Name Duane Hubeler

Title Code Consultant

Telephone Number 266-1390

1. Agency statutory authority under which the agency intends to promulgate the rule(s).
101.02 (1) and (15), and 101.14 (4), Stats.
2. Citation of federal regulations which require adoption or which are relevant to the proposed rule(s).
None known.
3. Citation of court decisions which are applicable to the proposed rule(s).
None known.
4. Description of the proposed rule(s).

The proposed rules update currently adopted standards from the National Fire Protection Association (NFPA). There are some minor changes to the text in the code so it agrees with the current designation of the standard.
5. Reason for the proposed rule(s).

There are currently 19 NFPA standards adopted by reference in the commercial building code. In some cases, these standards are more than 10 years old and as many as 3 editions out of date. In some cases, the code references standards that have changed their designation. This update is needed because out-of-date editions of standards are difficult to obtain and they do not reflect the latest technology or design standards of the industry.

FISCAL ESTIMATE
DOA-2048 (R02/97)

ORIGINAL
 CORRECTED

UPDATED
 SUPPLEMENTAL

LRB or Bill No./Adm. Rule No.
Chapters Comm/ILHR 50-64
Amendment No. if Applicable

Subject
Adopted NFPA Standards in the Building Code.

Fiscal Effect

State: No State Fiscal Effect

Check columns below only if bill makes a direct appropriation or affects a sum sufficient appropriation

- Increase Existing Appropriation
- Decrease Existing Appropriation
- Create New Appropriation
- Increase Existing Revenues
- Decrease Existing Revenues

- Increase Costs - May be Possible to Absorb Within Agency's Budget Yes No
- Decrease Costs

Local: No local government costs

- 1. Increase Costs
 - Permissive Mandatory

- 3. Increase Revenues
 - Permissive Mandatory

5. Types of Local Governmental Units Affected:

- Towns Villages Cities
- Counties Others _____
- School Districts WTCS Districts

- 2. Decrease Costs
 - Permissive Mandatory

- 4. Decrease Revenues
 - Permissive Mandatory

Fund Sources Affected

- GPR FED PRO PRS SEG SEG-S

Affected Ch. 20 Appropriations

Not applicable

Assumptions Used in Arriving at Fiscal Estimate

Earlier editions of these NFPA standards have been adopted by reference in the commercial building code for many years. There are no new regulatory requirements in these updated standards that will affect revenues.

Long-Range Fiscal Implications

None known or anticipated

Agency/Prepared by: (Name & Phone No.)
Commerce/Safety & Buildings Division
Duane Hubeler (608)266-1390

Authorized Signature/Telephone No.

Philip E. Allen (608) 266-0770

Date

10/2/98

**PUBLIC HEARING COMMENT AND AGENCY RESPONSE
DEPARTMENT OF COMMERCE**

Rule Number: S. Comm 51.25-17 & Related Sections
Relating To: NFPA Standards in the Building Code

Hearing Location: Madison
Hearing Date: September 9, 1998

DIVISION OF SAFETY AND BUILDINGS

Sup.	Commenting		Presenter, Group Represented, City, State	Comments/Recommendations	Agency Response
	In	For Opp.			
X			John Bakes National Fire Sprinkler Association (NFSA) Whitefish Bay, WI	<p>1. Supports the proposal to update the building code to reference the latest editions of the National Fire Protection Association (NFPA) standards.</p> <p>2. Suggests that all NFPA Standards be adopted by reference into the building code.</p> <p>3. Suggests that these latest NFPA standards be applied to installations now in progress.</p>	<p>1. Agree.</p> <p>2. The idea has merit, but the actual process of researching, adopting, and supplying the standards would be very time consuming and very expensive. The department may look at adopting NFPA 1 by reference, which would provide guidance on using all NFPA standards.</p> <p>3. A code cannot mandate the use of adopted standards to apply retroactively. Designers typically design to the latest standards because of liability concerns. Code enforcers are typically willing to allow designs to the latest standards even if not required by the code.</p>
X		2	J.C. Carver Madison Fire Department Madison, WI	<p>Supports the proposal to update the building code to reference the latest editions of the NFPA standards because it will simplify design and enforcement of sprinkler and fire alarm systems. Later editions of the standards also tend to be more flexible in giving more options to the designer and the building owner.</p>	Agree.
X		3	Phil Saunders NFSA Cedar Rapids, IA	<p>1. Supports the proposal to update the building code to reference the latest editions of the NFPA standards. Using newer standards allows for considerable cost savings, as well as better technology when compared to older editions.</p> <p>2. Offers some additional code change proposals.</p>	<p>1. Agree.</p> <p>2. Additional code change proposals will be considered for inclusion in the follow-up code change package.</p>
X		4	Steven Marbes Automatic Fire Protection, Inc. Brookfield, WI	<p>1. Supports the proposal to update the building code to reference the latest editions of the NFPA standards.</p> <p>2. Offers some additional code change proposals.</p>	<p>1. Agree.</p> <p>2. Additional code change proposals will be considered for inclusion in the follow-up code change package.</p>

RESPONSE TO LEGISLATIVE COUNCIL CLEARINGHOUSE REPORT

Department of Commerce

CLEARINGHOUSE RULE NO.: 98-103

RULE NO.: Section Comm 51.25-17 & Related Sections

RELATING TO: Update of Adopted NFPA Standards in the Building Code

Agency contact person for substantive questions.

Name: John Lippitt

Title: Program Manager - Fire Safety

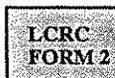
Telephone No. (608) 266-1036

Legislative Council report recommendations accepted in whole.

Yes

No

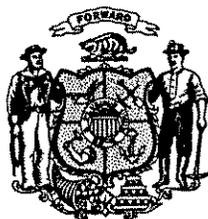
WISCONSIN LEGISLATIVE COUNCIL STAFF



RULES CLEARINGHOUSE

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CLEARINGHOUSE REPORT TO AGENCY

[THIS REPORT HAS BEEN PREPARED PURSUANT TO S. 227.15, STATS. THIS IS A REPORT ON A RULE AS ORIGINALLY PROPOSED BY THE AGENCY; THE REPORT MAY NOT REFLECT THE FINAL CONTENT OF THE RULE IN FINAL DRAFT FORM AS IT WILL BE SUBMITTED TO THE LEGISLATURE. THIS REPORT CONSTITUTES A REVIEW OF, BUT NOT APPROVAL OR DISAPPROVAL OF, THE SUBSTANTIVE CONTENT AND TECHNICAL ACCURACY OF THE RULE.]

CLEARINGHOUSE RULE 98-103

AN ORDER to repeal ILHR 64.45 (1) Note; to amend Comm 51.06 (6) (a) 3. b., 51.24 (intro.) and (10), 51.245 (1), 51.25 Table 51.25-17, 54.02 (2) (f) 2., 56.03 (2) (b), 56.61 (1) (a) 1., 56.63 (9) (b) 2., 56.64 (3) (a) and 56.65 (3) (a) and ILHR 52.01 (2) (d) 3. and 4. and (e) 2. Note, 58.27 (3) (a), 58.65 (1) and 64.45 (1); and to repeal and recreate Comm 51.245 (2) (a) and (3) (intro.) and ILHR 52.011 (2) Note, relating to NFPA standards in the building code.

Submitted by **DEPARTMENT OF COMMERCE**

07-17-98 RECEIVED BY LEGISLATIVE COUNCIL.

08-14-98 REPORT SENT TO AGENCY.

RS:DL:jal;kjf

LEGISLATIVE COUNCIL RULES CLEARINGHOUSE REPORT

This rule has been reviewed by the Rules Clearinghouse. Based on that review, comments are reported as noted below:

1. STATUTORY AUTHORITY [s. 227.15 (2) (a)]

Comment Attached YES NO

2. FORM, STYLE AND PLACEMENT IN ADMINISTRATIVE CODE [s. 227.15 (2) (c)]

Comment Attached YES NO

3. CONFLICT WITH OR DUPLICATION OF EXISTING RULES [s. 227.15 (2) (d)]

Comment Attached YES NO

4. ADEQUACY OF REFERENCES TO RELATED STATUTES, RULES AND FORMS
[s. 227.15 (2) (e)]

Comment Attached YES NO

5. CLARITY, GRAMMAR, PUNCTUATION AND USE OF PLAIN LANGUAGE [s. 227.15 (2) (f)]

Comment Attached YES NO

6. POTENTIAL CONFLICTS WITH, AND COMPARABILITY TO, RELATED FEDERAL
REGULATIONS [s. 227.15 (2) (g)]

Comment Attached YES NO

7. COMPLIANCE WITH PERMIT ACTION DEADLINE REQUIREMENTS [s. 227.15 (2) (h)]

Comment Attached YES NO

WISCONSIN LEGISLATIVE COUNCIL STAFF

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Madison, WI 53701-2536
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CLEARINGHOUSE RULE 98-103

Comments

[NOTE: All citations to "Manual" in the comments below are to the Administrative Rules Procedures Manual, prepared by the Revisor of Statutes Bureau and the Legislative Council Staff, dated October 1994.]

2. Form, Style and Placement in Administrative Code

a. The analysis to the rule indicates that NFPA 72 is an additional standard that will be adopted in the Wisconsin Administrative Code. The department should ensure that the requirements of s. 227.21 (2), Stats., with the respect to the incorporation of standards, have been met.

b. In s. Comm. 51.245 (2) (a) 2., Stats., because of the use of the disjunctive word "or," the notation "ss." should be replaced by the notation "s."



November 20, 1998

The Honorable Gary Drzewiecki
Senate Committee on Business, Economic Development and Urban Affairs
119 Martin Luther King Jr Blvd, Room LL 2
Madison, WI 53707

Dear Senator Drzewiecki:

In accordance with s. 227.19 (4) (b) 3., Stats., the Department of Commerce would like to make a germane modification to Clearinghouse Rule No. 98-103 relating to adopted National Fire Protection Association (NFPA) standards in the commercial building code. This modification is necessary due to a contradiction that would be created between one of the adopted standards (NFPA 72) and an existing section in the state electrical code (chapter Comm 16) relating to wiring requirements for fire alarms. The department proposes to solve this problem by repealing section Comm 16.50 of the electrical code. The wiring requirements for fire alarms would then follow the national standards.

This change entails adding a new treatment section 1 at the top of page one to repeal section Comm 16.50 and simply renumbering the following unchanged treatment sections. The complete 5-page draft has been edited, renumbered and reprinted for your review.

Thank you for your assistance in this matter.

Sincerely,

Philip Edw. Albert
Acting Secretary



State of Wisconsin \ Department of Commerce

RULES in FINAL DRAFT FORM

(GERMANE MODIFICATION)

Rule No.: Section Comm 51.25-17 & Related Sections

Relating to: Update of Adopted NFPA Standards in the Building Code

Clearinghouse Rule No.: 98-103

The Wisconsin Department of Commerce (formerly Industry, Labor and Human Relations) proposes an order to repeal ss. Comm 16.50 and ILHR 64.45 (1) Note;

to amend ss. Comm 51.06 (6) (a) 3. b., Comm 51.24 (intro.), Comm 51.24 (10), Comm 51.245 (1), Comm 51.25 Table 51.25-17, ILHR 52.01 (2) (d) 3., ILHR 52.01 (2) (d) 4., ILHR 52.01 (2) (e) 2. Note, Comm 54.02 (2) (f) 2., Comm 56.03 (2) (b), Comm 56.61 (1) (a) 1., Comm 56.63 (9) (b) 2., Comm 56.64 (3) (a), Comm 56.65 (3) (a), ILHR 58.27 (3) (a), ILHR 58.65 (1), and ILHR 64.45 (1);

and to repeal and recreate ss. Comm 51.19 (2) (c) 1. Note, Comm 51.245 (2) (a), Comm 51.245 (3) (intro.) and ILHR 52.011 (2) Note.



Analysis of Proposed Rules

Statutory Authority: ss. 101.02 (1) and (15), and 101.14 (4)

Statutes Interpreted: ss. 101.02 (1) and (15), and 101.14 (4) and (4m)

Under ss. 101.02 and 101.14, Stats., the Department has the responsibility to supervise every public building and place of employment, including the fire detection, prevention or suppression devices, in order to protect the life, health, safety and welfare of every employe, every frequenter and every tenant. Updating currently adopted standards related to building construction, building equipment, commodity storage, and fire detection, prevention and suppression is one part of that responsibility.

The proposed rule change updates the currently adopted National Fire Protection Association (NFPA) standards in the Building and Heating, Ventilating and Air Conditioning Code, chapters ILHR 50-64. No additional standards are adopted at this time, except for NFPA 72, which replaces four previously adopted standards. These four obsolete standards, NFPA 71, 72A, 72E, and 74 are repealed under this proposed change. Minor wording changes had to be made to the text to accommodate the scope of NFPA 72 and to correct the new designations or titles of the standards.

Some of the more important changes in these new editions include: 1) From NFPA 13, a single sprinkler may now cover up to 400 square feet, up from 225 square feet in previous editions.

2) Also from NFPA 13, light hazard occupancies now require quick-response type sprinklers.

3) From NFPA 72, smoke detectors in residential occupancies require battery backup in addition to the household current primary source. Although the NFPA 72 standard requires a smoke detector in each individual sleeping room of a new residential occupancy, this requirement is not adopted into the code at this time because of statutory language specifying the detector location.



SECTION 1. Comm 16.50 is repealed.

SECTION 2. Comm 51.06 (6) (a) 3. b. is amended to read:

Comm 51.06 (6) (a) 3. b. Freezer warehouses may be constructed without automatic fire sprinkler system protection provided the entire freezer warehouse is equipped with a fire detection system conforming to NFPA ~~72E~~ 72 and the system is connected to a constantly attended station; the freezer warehouse is separated from all other use areas of the building (i.e., offices, loading docks, nonrefrigerated storage, mechanical rooms) by at least 2-hour fire-resistive rated construction; the freezer warehouse or separated freezer warehouse part within a building is located to provide at least 30 foot separation to any property line or other building on the same property; and the foam plastic material complies with the provisions of sub. (7).

SECTION 3. Comm 51.19 (2) (c) 1. Note is repealed and recreated to read:

Comm 51.19 (2) (c) 1. Note: See NFPA 72 for requirements on door closer initiating devices.

SECTION 4. Comm 51.24 (intro.) is amended to read:

Comm 51.24 (intro.) FIRE ALARM SYSTEMS. Interior fire alarm systems required under ss. Comm 54.17, 56.19 and ILHR 57.17 shall be designed and constructed in conformity with NFPA 72 and the following requirements:

SECTION 5. Comm 51.24 (10) is amended to read:

Comm 51.24 (10) MAINTENANCE. All fire alarm systems, ~~whether required by this code or not,~~ shall be maintained in ~~an operable condition~~ accordance with NFPA 72.

SECTION 6. Comm 51.245 (1) is amended to read:

Comm 51.245 (1) GENERAL REQUIREMENTS. All ~~required~~ smoke detectors shall be approved by the department and shall comply with the provisions of NFPA ~~72E~~ or NFPA 74 72.

SECTION 7. Comm 51.245 (2) (a) is repealed and recreated to read:

Comm 51.245 (2) (a) 1. Except as provided under subd. 2., smoke detectors and smoke detector systems shall be installed in accordance with the provisions of NFPA 72 and in accordance with the manufacturer's directions and specifications.

2. Residential occupancies shall have smoke detectors provided as specified in s. ILHR 57.16 or 66.49.

SECTION 8. Comm 51.245 (3) (intro.) is repealed and recreated to read:

Comm 51.245 (3) (intro.) MAINTENANCE. Smoke detectors shall be maintained in accordance with NFPA 72 and the following requirements:

SECTION 9. Comm 51.25, Table 51.25-17 is amended to read:

Table 51.25-17

~~NFPA~~ NFPA National Fire Protection Association
 One Batterymarch Park
P.O. Box 9101
 Quincy Massachusetts 02269 - 9101

Standard Reference Number	Title
1. 10 - 1988 <u>1998</u>	Standard for Portable Fire Extinguishers.
2. 13 - 1994 <u>1996</u>	Standard for the Installation of Sprinkler Systems.
3. 13R - 1994 <u>1996</u>	Standard for the Installation of Sprinkler Systems in Residential Occupancies up to and Including Four Stories in Height.
4. 15 - 1990 <u>1996</u>	Standard for Water Spray Fixed Systems for Fire Protection.
5. 20 - 1987 <u>1996</u>	Standard for the Installation of Centrifugal Fire Pumps.
6. 22 - 1987 <u>1996</u>	Standard for Water Tanks for Private Fire Protection.
7. 24 - 1987 <u>1995</u>	Standard for the Installation of Private Fire Service Mains and Their Appurtenances.
8. 25 - 1992 <u>1998</u>	Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems.
9. 31 - 1987 <u>1997</u>	Standard for the Installation of Oil-Burning Equipment.
10. 54 - 1992 <u>1996</u>	National Fuel Gas Code.
11. 71 - 1987	Standard for the Installation, Maintenance and Use of Protective Signaling Systems.

12. 72A – 1990	Standard for the Installation, Maintenance and Use of Local Protective Signaling Systems for Guard's Tour, Fire Alarm and Supervisory Service.
13. 72E – 1987	Standard on Automatic Fire Detectors.
14. 74 – 1989	Standard for the Installation, Maintenance and Use of Household Fire Warning Equipment.
<u>11. 72 – 1996</u>	<u>National Fire Alarm Code.</u>
15 <u>12. 90A – 1985 1996</u>	Standard for the Installation of Air Conditioning and Ventilating Systems.
16 <u>13. 96 – 1994</u>	Standard for the Installation of Equipment for the Removal of Smoke and Grease-Laden Vapors from Commercial Cooking Equipment.
17 <u>14. 211 – 1988 1996</u>	Standard for Chimneys, Fireplaces, Vents, and Solid Fuel-Burning Appliances.
18 <u>15. 231 – 1990 1998</u>	Standard for General Storage.
19 <u>16. 231C – 1990 1998</u>	Standard for Rack Storage of Materials.

SECTION 10. ILHR 52.01 (2) (d) 3. is amended to read:

ILHR 52.01 (2) (d) 3. The manual alarm and automatic detection system shall conform to the Wisconsin State Electrical Code, volume 2, ch. Comm 16 and ~~one of the following standards:~~

~~a. NFPA 71; or~~

~~b. NFPA 72.~~

SECTION 11. ILHR 52.01 (2) (d) 4. is amended to read:

ILHR 52.01 (2) (d) 4. Detectors shall conform to NFPA ~~72E~~ 72.

SECTION 12. ILHR 52.01 (2) (e) 2. Note is amended to read:

ILHR 52.01 (2) (e) 2. Note: The department will accept systems installed in accordance with ~~the Standard for the Installation, Maintenance and Use of Local Protective Signaling Systems for Watchmen, Fire Alarm and Supervisory Service, NFPA No. 72A. NFPA 72.~~

SECTION 13. ILHR 52.011 (2) Note is repealed and recreated to read:

ILHR 52.011 (2) Note: See s. Comm 51.23 for additional system installation requirements.

SECTION 14. Comm 54.02 (2) (f) 2. is amended to read:

Comm 54.02 (2) (f) 2. Smoke detection in accord with NFPA ~~72E~~ 72, or an equivalent system acceptable to the department, is provided to all parts of the building within 100 feet of the mezzanine, with the detectors on the main floor and a horn in the mezzanine level.

SECTION 15. Comm 56.03 (2) (b) is amended to read:

Comm 56.03 (2) (b) Smoke detection systems shall be installed in accordance with NFPA ~~No. 72E or NFPA No. 74~~ 72; but in no case shall smoke detectors be spaced more than 30 feet apart on center or more than 15 feet from any wall.

SECTION 16. Comm 56.61 (1) (a) 1. is amended to read:

Comm 56.61 (1) (a) 1. Additional smoke detectors complying with NFPA ~~72E~~ 72;

SECTION 17. Comm 56.63 (9) (b) 2. is amended to read:

Comm 56.63 (9) (b) 2. Smoke detectors shall be installed in accordance with NFPA ~~72E~~ 72. Activation of smoke detectors shall sound an alarm audible in a normally occupied area of the building or shall activate the building fire alarm system.

SECTION 18. Comm 56.64 (3) (a) is amended to read:

Comm 56.64 (3) (a) Where a stairway smoke-enclosure does not provide direct exiting to grade, the passageway connecting the stairway smoke-enclosure to the exterior exit shall be protected with smoke detectors. The detectors shall be located in accordance with NFPA ~~72E~~ 72.

SECTION 19. Comm 56.65 (3) (a) is amended to read:

Comm 56.65 (3) (a) Where stairway smoke cut-offs are provided, at least one smoke detector shall be placed at the head of the open stairway at the uppermost floor level. Additional smoke detectors shall be placed throughout the open corridor leading to the stairway. The smoke detectors shall be located in accordance with NFPA ~~72E~~ 72.

SECTION 20. ILHR 58.27 (3) (a) is amended to read:

ILHR 58.27 (3) (a) Except as provided in par. (b), an approved automatic smoke detection system shall be installed in all corridors in nursing homes. Such systems shall be installed and maintained as specified in NFPA ~~72E~~ 72 but in no case shall smoke detectors be spaced more than 30 feet apart on center or more than 15 feet from any wall. All automatic smoke detection systems required by this section shall be electrically interconnected to the fire alarm system.

SECTION 21. ILHR 58.65 (1) is amended to read:

ILHR 58.65 (1) An approved automatic smoke detection system shall be installed in all sleeping rooms, holding rooms, and in all corridors in connection with the sleeping room areas. Such systems shall be installed in accordance with NFPA ~~72E~~ 72 but in no case shall smoke detectors be spaced more than 30 feet apart on center or more than 15 feet from any wall, except as provided in sub. (2). All automatic smoke detection systems required by this section shall be electrically interconnected to the fire alarm system.

SECTION 22. ILHR 64.45 (1) is amended to read:

ILHR 64.45 (1) GENERAL REQUIREMENTS. Heating equipment using solid, liquid or gas fuels shall be vented to the outside, except as permitted in s. ILHR 64.21. A natural draft chimney or other venting device shall have the height and area to remove the products of combustion. Chimneys, smoke stacks, gas vents, mechanical draft and venting devices shall comply with the requirements of NFPA 211.

SECTION 23 ILHR 64.45 (1) Note is repealed.

(END)

.....

EFFECTIVE DATE

Pursuant to s. 227.22 (2) (intro.), Stats., these rules shall take effect on the first day of the month following publication in the Wisconsin Administrative Register.

.....