

Code Amendment Proposal Petition

NH Department of Safety
Office of the State Fire Marshal
Board of Fire Control
33 Hazen Drive, Concord, NH 03305
Phone: 603-223-4289 Fax: 603-223-4294
www.nh.gov/safety/divisions/firesafety

EXHIBIT # RE-20-04-15

PETITIONER INFORMATION

Name:

Paul Parisi

Date:

12/10/2020

Representing:

State Fire Marshal's Office

Phone:

603-223-4289

Address:

33 Hazen Dr

Fax:

City:

Concord

State:

NH

Zip:

03305

E-Mail Address:

paul.parisi@dos.nh.gov

PROPOSED CODE LANGUAGE

This proposed code amendment (check one):

Code, Edition, and/or section affected:

- Amends (code, edition, section)
- Adopts a new code section (code, edition)
- Repeals (code, edition, section)

2015 NFPA 1, 2015 NFPA 101

You must provide language for review by the Board of Fire Control. Failure to provide language will invalidate the petition. Please use the following format to show additions and deletions from the code: Strike through = deleted text. Underline and bold = **New Text**

Proposed Language

The purpose of this petition is to remove code amendments from Saf-C 6000 and move the amendments to a new rule set known as Saf-FMO. See attached to show the proposed Saf-FMO rules.

PETITION CRITERIA

Attach to this petition written responses to the following questions. If needed, include in the response an explanation as to why a question does not apply to your proposed code petition. The Board may reject an incomplete petition.

Questions:

1. Is your proposed code amendment necessary to correct any unforeseen or probable outcomes resulting from the application of a code section, and if so, why?
2. Is your proposed code amendment needed to protect the health, safety, welfare, comfort and/or security of occupants and the public, and if so, why?
3. Does your proposed code amendment correct inadequate application by a code section to a method, material, or design, and if so, why?
4. Is your proposed code amendment necessary to correct unique geographic or climatic conditions within New Hampshire, and if so, why?
5. Is your proposed code amendment needed to eliminate conflicting, obsolete, or duplicative code provisions or standards among New Hampshire-adopted codes, statutes, or regulations, and if so, why?
6. Does your proposed code amendment provide for the use of unique or emerging technologies or promote advances in construction methods, devices, materials and techniques, and if so, how?
7. Does your proposed code amendment create any adverse fiscal impact or cost savings for the general public, the construction industry, local and state governments, or small businesses? If so, please describe the added or reduced cost of the proposed code amendment, the adverse fiscal impact or cost savings in relation to the current NH State Fire Code, and any standards of measure used to arrive at the result given.

 **PETITIONER'S SIGNATURE**

Signature: _____

Date: 12/10/2020

Copyright Notice: *By signing this proposed code amendment petition, I understand and acknowledge that the work contained in this petition is original, or if not original, I have the right to copy the work. By signing this work, I understand that any rights I may have in this work, including any form of derivative works and compilations, are assigned to the N.H. Board of Fire Control. I also understand that I do not retain or acquire any rights once this work is used in an NH Board of Fire Control publication.*

APPLICATION PROCESSING

The Office of the State Fire Marshal reviews all applications and will determine if the application is in conflict with any existing law or rule. The division will return any application found to be in conflict with any existing statute or rule along with the specific reasons for the returned application.

Not Approved: Approved: Approved with Modifications:

Hearing Date: _____ Voting Date: _____

Chair's Signature: _____ Date: _____

Printed Name: _____

Fire Marshal's Signature: _____ Date: _____

Printed Name: _____

Commissioner's Signature: _____ Date: _____

Printed Name: _____

PART Saf-FMO 300 AMENDMENTS TO THE STATE FIRE CODE

Statutory Authority: RSA 153:5

Saf-FMO 301	Purpose
Saf-FMO 302	Scope
Saf-FMO 303	Fire Prevention Code, NFPA 1
Saf-FMO 304	Life Safety Code, NFPA 101
Saf-FMO 305	Fireworks Code, NFPA 1124
Saf-FMO 306	Automotive & Marine Service Station Code, NFPA 30A

Saf-FMO 301.01 PURPOSE

- (a) The purpose of these rules is to publish the amendments to the state fire code adopted by the board of fire control and the state fire marshal pursuant to Bfc 200.
- (b) Rules that have not been ratified by the Legislature will expire twelve months from the effective date.

Saf-FMO 302.01 SCOPE

- (a) All persons constructing, reconstructing, modifying, maintaining or operating any structure and all owners or occupants of existing structures or premises shall comply with the requirements of the state fire code and codes adopted by reference as defined in RSA 153:1 VI-a, except as modified in Saf-FMO 300.
- (b) All persons installing, modifying, operating or maintaining equipment or processes that are regulated under the provisions of NFPA 1 shall comply with the requirements of the state fire code and codes adopted by reference as defined in RSA 153:1 VI-a, except as modified in Saf-FMO 300.
- (c) All persons processing, handling or storing materials that are regulated under the provisions of the state fire code and codes adopted by reference as defined in RSA 153:1 VI-a, except as modified in Saf-FMO 300.

Saf-FMO 303.01 AMENDMENTS TO THE FIRE PREVENTION CODE

- (a) The following sections of NFPA 1 shall be excluded from incorporation pursuant to these rules:
 - (1) Section 1-10 Board of Appeals;
 - (2) Section 1-13 Certificates of Fitness;
 - (3) Section 10.14.11 Crop Maze;
 - (4) Section 65.2 Fireworks Displays; and
 - (5) NFPA 5000 in its entirety as adopted by reference.

(b) Amend NFPA 1 Section 13.3.2.20.1 to insert the following exception:

“Exception: Detached one and 2-family dwellings are exempt from the automatic fire sprinkler requirements as set forth in 13.3.2.20.1.”

(c) Amend NFPA 1 Section 2.2 to include NFPA 914, Code for Fire Protection of Historic Structures, 2010 edition.

(d) Amend NFPA 1 Section 2.2 to include NFPA 1124, Code for the Manufacture, Transportation, Storage, and Retail Sales of Fireworks and Pyrotechnic Articles, 2006 edition subject to the exceptions and amendments in Saf-FMO 305.01.

(e) Amend NFPA 1 Section 20.11.4 to include a new section as follows:
20.11.4.7 Floor assemblies having been protected by an alternative method that has been evaluated as meeting the criteria for alternative methods of construction as outlined in NFPA 1 Section 1.4.1 and/or Section 1.4.2.

(f) Amend NFPA 1 Section 20.11.4 to include a new section as follows:
20.11.4.8 Protection in accordance with NFPA 1 20.11.4 shall not be required until eighteen months after the effective date of New Hampshire’s adoption of NFPA 1, 2015 edition.

(g) Amend NFPA 1 Section 11.12.2 to include a new section as follows:
11.12.2.1.7 Structural Analysis
Photovoltaic systems installed on roofs shall be reviewed and stamped by a NH licensed professional engineer.

(h) Amend NFPA 1 Section 11.12.2.2.2 to read as follows:
Photovoltaic systems installed in one- and two-family dwellings and townhouses shall be in accordance with this section.

Exception: Photovoltaic systems not occupying more than 50% of the aggregate roof area of one- and two-family dwellings only. When applying this exception a minimum 18” ridge setback shall be required unless approved by the AHJ.

(i) Amend NFPA 1 Section 2.2 to include NFPA 79, Electrical Standard for Industrial Machinery, 2015 edition.

Saf-FMO 304.01 AMENDMENTS TO THE LIFE SAFETY CODE

(a) Amend NFPA 101 Section 14.7.2.3 and Section 15.7.2.3 by adding the following:

(4) With the approval of the local fire official and in concert with RSA 189:64, at least 4 of the currently required number of fire evacuation drills shall be emergency, all-hazard response drills of which at least one shall test emergency response to an armed assailant. The armed assailant drill may be discussion based. The types of all-hazard drills and exercises and the manner and time in which these activities take place shall be determined by the school in collaboration with local public safety, emergency management, and public health officials. The school may include students and first responders in all-hazard response drills or activities, as appropriate.

(b) Amend NFPA 101 Section 14.4.4 and Section 15.4.4 by adding the following:

(7) "Dispensers installed over carpeted floors in non-sprinklered rooms and spaces shall be permitted, provided that there is an impervious, non-combustible surface of at least two feet by two feet in size installed directly below each dispenser that has been permanently affixed to the floor of the structure".

(c) Amend NFPA 101 Section 24.2.5.1 to read as follows:

(1) "Section 24.2.5.1 Stairs ramps, guards and handrails shall be in accordance with 7.2.2 for stairs, 7.2.2.4 for guards and 7.2.5 for ramps, as modified by 24.2.5.1.1 through 24.2.5.1.3."

(d) Amend NFPA 101 Section 24.2.5 to insert new sections 24.2.5.1.4, 24.2.5.1.5, 24.2.5.1.6 and 24.2.5.1.7 to read as follows:

(1) "Section 24.2.5.1.4 Riser heights not exceeding 209 mm (8 1/4 in) and tread depths of not less than 229mm (9 in.) shall be permitted for stairs in new construction;"

(2) "Section 24.2.5.1.5 Porches, balconies or raised floor surfaces located more than 762 mm (30 in.) above the floor or grade below shall have guards not less than 914mm (36 in.) in height. Open sides of stairs with a total rise of more than 762mm (30 in.) above the floor or grade below shall have a guard not less than 864mm (34 in.) in height measured vertically from the nose of the treads;"

(3) "Section 24.2.5.1.6 Handrails shall be permitted to be on one side of the stairs in new construction when the stair width is 965mm (38 in.);" and

(4) "Section 24.2.5.1.7 New handrails shall be installed to provide a clearance of not less than 2 1/4 inches (57mm) between the handrail and the wall to which it is fastened."

(e) Amend NFPA 101 Section 30.2.2.3.1 and Section 31.2.2.3.1 to insert the following exception:

(1) "Exception: Within any individual dwelling unit stairs complying with Section 24.2.5.1 as amended shall be permitted."

(f) Amend NFPA 101 Section 24.3.5.1 to insert the following exception:

"24.3.5.1 Exception: Detached one and 2-family dwellings are exempt from the automatic fire sprinkler requirements as set forth in 24.3.5.1".

Saf-FMO 305.01 AMENDMENTS TO THE FIREWORKS CODE

(a) The following sections of NFPA 1124 shall be excluded:

(1) Section 6.4.3, 7.4.4, 7.4.4.1, 7.4.4.2 Multiple Tenant Buildings; and

(2) Section 7.5.1.1, 7.5.1.1(1), 7.5.1.1(2) General.

(b) Amend NFPA 1124 Chapter 2 – Referenced Publications to read as follows:

Referenced publications shall align with all documents adopted by reference in RSA 153:1, VI-a and RSA 153:5.

(c) Amend NFPA 1124 Section 6.5.1 and 7.3.6 as follows:

Automatic Fire Sprinkler Systems. An approved automatic fire sprinkler system shall be installed in all consumer firework retail sales and storage facilities. The required fire sprinkler system shall be designed to Extra Hazard Group 1 and installed in accordance with the state fire code.

(d) Amend NFPA 1124 Sections 6.5.1.2, 7.3.9, 7.4.5.3, 7.5.4 as follows:

Fire Alarm System. A fire alarm system shall be provided in all consumer fireworks retail sales and storage facilities. The fire alarm system shall include a public address system and a means for manually activating audible and visible alarm indicating devices located throughout the facility, and shall include smoke detection devices located in all areas and installed in accordance with the state fire code. The public address system shall be installed at a constantly attended location by store staff when the facility or store is occupied.

(e) Amend NFPA 1124 Section 6.5.3 and 7.3.10.2 as follows:

Smoke Control. Smoke and heat vents designed and installed in accordance with the state fire code, shall be provided in all new permissible fireworks retail sales and storage facilities.

Saf-FMO 306.01 AMENDMENTS TO THE CODE FOR MOTOR FUEL DISPENSING FACILITIES AND REPAIR GARAGES

(a) Amend NFPA 30A Section 9.5.6 as follows:

“An approved automatic fire suppression system shall be installed to protect all pump and dispensing areas in all new unattended self-service stations. Activation of the automatic fire suppression system will automatically transmit an alarm to an alarm receiving point approved by the local fire official. A manual fire alarm station that transmits an alarm to the approved alarm receiving point shall be located in immediate proximity to the emergency electrical disconnect specified in Section 6.7.2.”