

ARTICLE IV. FIRE PREVENTION CODE

DIVISION 1. GENERALLY

Sec. 9-61. Scope.

This Article contains general provisions for all aspects of fire protection and prevention and shall apply to both new and existing buildings, structures, and operations. In various sections there are specific provisions for existing conditions that may differ from those for new buildings, structures, and operations. The requirements for existing conditions may be modified if their application clearly would be impractical in the judgment of the authority having jurisdiction, but only if it is clearly evident that a reasonable degree of safety is provided. The City Fire Marshal or the appointed designee has the authority to make a determination of the applicability of this Chapter to any building or condition in it, subject to the right of appeal to the City of Rockville Board of Adjustments and Appeals as prescribed in Article I of this Chapter.

Sec. 9-62. Purpose.

The purpose and the intent of this article is to establish minimum requirements that will provide a reasonable degree of fire prevention and control to safeguard life, property, or public welfare from:

- (a) The hazards of fire and explosion arising from the storage, handling, or use of substances, materials, or devices; and
- (b) Conditions hazardous to life, property, or public welfare in the use or occupancy of buildings, properties, structures, sheds, tents, lots, or premises.

Sec. 9-63. Definitions.

The definitions contained in this section apply throughout this Article and are in addition to any document referred to therein. The definitions are intended to be read in place of any definitions of the same words contained in the publication adopted in Section 9-73.

Operating bay means a clear and unobstructed fire department apparatus load bearing surface, at least 50 ft. (15.24 m) in length, along a fire department access road that increases operating width to a minimum of 26 ft. (7.92 m) wide. It may be defined by bollards and accessed via a 3 in. (76 mm) mountable curb.

Secs. 9-64 – 9-66. Reserved.

DIVISION 2. ADMINISTRATION AND ENFORCEMENT

Secs. 9-67 – 9-72. Reserved

DIVISION 3. TECHNICAL

STANDARDS Sec. 9-73. NFPA 1, Fire Code--Adopted.

The NFPA 1, Fire Code, 2015 Edition, as issued by the National Fire Protection Association, is hereby adopted by reference, except as amended by Section 9-74 of this Chapter. One (1) copy of such publication, as adopted, shall be maintained by the Inspection Services Division in the City of Rockville City Hall and made available for inspection by the public during regular office hours. Any amendment or change in such code promulgated by the NFPA shall not become part of this article until the modifications have been duly adopted by ordinance.

Sec. 9-74. Same-Amendments.

The NFPA 1, Fire Code, 2015 Edition, is amended in the following respects:

Section 1.7.12.2 of the NFPA 1, Fire Code, 2015 Edition, is amended by adding the following sentence:

The AHJ shall be authorized to require plans to bear the stamp of a registered design professional.

Section 1.9 of the NFPA 1, Fire Code, 2015 Edition, is deleted.

Section 1.10 of the NFPA 1, Fire Code, 2015 Edition, is deleted.

Subsection 1.11.3 of the NFPA 1, Fire Code, 2015 Edition, is deleted.

Subsection 1.12.1 of the NFPA 1, Fire Code, 2015 Edition, is amended by adding Paragraph 1.12.1.1 to read as follows:

1.12.1.1 Permits, certificates, notices, approvals, or orders required by this code shall be governed by the policies and procedures of the AHJ.

Subsection 1.12.6.13 of the NFPA 1, Fire Code, 2015 Edition, is amended to read as follows:

1.12.6.13 Permits may be issued by the AHJ and shall indicate the following:

- (1) Operation, activities, or construction for which the permit is issued
- (2) Address or location where the operation, activity, or construction is to be conducted.
- (3) Name, address, and phone number of the permittee
- (4) Permit number
- (5) Period of validity of the permit
- (6) Inspection requirements
- (7) Name of the agency authorizing the permit
- (8) Date of issuance
- (9) Permit conditions as determined by the AHJ.

Subsection 1.12.8 of the NFPA 1, Fire Code, 2015 Edition, is amended to read as follows:

1.12.8 Where additional permits, approvals, certificates, or licenses are required by other agencies, approval may be obtained from those other agencies.

Subsection 1.13.2 of the NFPA 1, Fire Code, 2015 Edition is amended to read as follows:

1.13.2 The AHJ may require certificates of fitness and collect fees for individuals or companies performing any of the following activities:

- (1) Use of explosive materials
- (2) Fireworks displays involving display fireworks

Section 1.13.12.4 of the NFPA 1, Fire Code, 2015 Edition, is deleted.

Section 1.16.4.2 of the NFPA 1, Fire Code, 2015 Edition, is deleted.

Section 2.2 of the NFPA 1, Fire Code, 2015 Edition, is amended as follows:

Delete the referenced publication NFPA 5000, Building Construction and Safety Code, 2015 edition.

Add Rockville City Code, Chapter 5, Buildings and Building Regulations. Wherever NFPA 5000 is referenced, other than for extracted text, substitute Rockville City Code, Chapter 5, Buildings and Building Regulations.

Delete the referenced publication NFPA 150 Standard on Fire and Life Safety in Animal Housing Facilities.

Add the referenced publication NFPA 1124 Code for the Manufacture, Transportation, Storage, and Retail Sales of Fireworks and Pyrotechnic Articles, 2006 Edition.

Section 3.3 of the NFPA 1, Fire Code, 2015 Edition, is amended to add:

3.3.278* Fireworks.

Any composition or device for the purpose of producing a visible or audible effect for entertainment purposes by combustion, deflagration or detonation, and that meets the definition of Consumer Fireworks or Display Fireworks as set forth in NFPA 1124 Code for the Manufacture, Transportation, Storage, and Retail Sales of Fireworks and Pyrotechnic Articles, 2006 edition, and as referenced in Public Safety Article, §10-101, Annotated Code of Maryland.

Paragraph 3.3.183.6 of the NFPA 1, Fire Code, 2015 Edition, is amended to read as follows:

3.3.183.6* Day-Care Home. A building or portion of a building in which not more than twelve (12) clients receive care, maintenance, and supervision, by other than their relative(s) or legal guardian(s), for less than twenty-four (24) hours per day

Paragraph 3.3.183.7 of the NFPA 1, Fire Code, 2015 Edition, is amended to read as follows:

3.3.183.7* Day-Care Occupancy. An occupancy in which clients receive care, maintenance, and supervision, by other than their relatives or legal guardians, for less than twenty-four (24) hours per day.

Paragraph 3.3.183.22 of the NFPA 1, Fire Code, 2015 Edition, is amended to read as follows:

3.3.183.22 One- and Two-Family Dwelling. One- and two-family dwellings include buildings containing not more than two (2) dwelling units in which each dwelling unit is occupied by members of a single family with not more than five (5) outsiders.

Paragraph 3.3.183.25 of the NFPA 1, Fire Code, 2015 Edition, is amended to read as follows:

3.3.183.25* Residential Board and Care Facility. A building or portion thereof that is used for lodging and boarding of six (6) or more residents, not related by blood or marriage to the owner or operators, for the purpose of providing personal care services.

Paragraph 4.5.8.1 of the NFPA 1, Fire Code, 2015 Edition, is amended to read as follows:

4.5.8.1 Whenever or wherever any device, equipment, system, condition, arrangement, level of protection, fire-resistive construction, or any other feature is required, such device, equipment, system, condition, arrangement, level of protection, fire-resistive construction, or other feature shall thereafter be continuously maintained in accordance with applicable NFPA requirements or requirements developed as part of a performance-based design, or as directed by the AHJ.

Paragraph 4.5.8.3 of the NFPA 1, Fire Code, 2015 Edition, is amended to read as follows:

4.5.8.3* Existing life safety features obvious to the public, tenants, or occupants, and where not required, shall be either maintained or removed.

Paragraph 6.1.4.1 of the NFPA 1, Fire Code, 2015 Edition, is amended to read as follows:

6.1.4.1* Definition - Day-Care Occupancy. An occupancy in which clients receive care, maintenance, and supervision, by other than their relatives or legal guardians, for less than twenty-four (24) hours per day.

Paragraph 6.1.9.1 of the NFPA 1, Fire Code, 2015 Edition, is amended to read as follows:

6.1.9.1* Definition - Residential Board and Care Facility. A building or portion thereof that is used for lodging and boarding of six (6) or more residents, not related by blood or marriage to the owner or operators, for the purpose of providing personal care services.

Subsection 10.1.2 of the NFPA 1, Fire Code, 2015 Edition, is amended to read as follows:

10.1.2* Life Safety Code. Every new and existing building shall comply

with this Code and NFPA 101, Life Safety Code except as amended by Section 9-91 of Chapter 9, Fire Code, of the Rockville City Code.

Subsection 10.4.1 of the NFPA 1, Fire Code, 2015 Edition, is amended to read as follows:

10.4.1 No person shall fail to leave a building when notified to do so when directed by the AHJ or incident commander as a result of a known or perceived emergency.

Subsection 10.4.2 of the NFPA 1, Fire Code, 2015 Edition, is amended to read as follows:

10.4.2 Persons shall not fail to leave any overcrowded premises when ordered to do so by the AHJ or Incident Commander.

Paragraph 10.10.6.1 of the NFPA 1, Fire Code, 2015 Edition, is amended to read as follows:

10.10.6.1 For other than one- and two-family dwellings, no hibachi, gas-fired grill, charcoal grill, or other similar devices used for cooking, heating, or any other purpose, shall be used or kindled on any balcony or under any overhanging portion, or within 15 ft. (4.6m) of any structure.

Paragraph 10.10.6.3 of the NFPA 1, Fire Code, 2015 Edition, is deleted.

Section 10.10 of the NFPA 1, Fire Code, 2015 Edition, is amended by adding Subsection 10.10.11 to read as follows:

10.10.11 Fire Pits, Fire Bowls, Chimineas, and Similar Devices.

10.10.11.1 Use of fire pits, fire bowls, chimineas, and similar devices shall be subject to the requirements of Subsection 10.10.1 of this Code.

10.10.11.2 Use of these devices shall be in accordance with manufacturers guidelines.

10.10.11.3 No fire pit, fire bowl, chiminea, or similar device shall be used on any balcony or under any overhanging portion, or within 15 ft. (2.7 m) from any building or structure, and no less than 3 ft. (0.9 m) from combustible materials.

10.10.11.4 No burning of trash or construction materials shall be permitted.

10.10.11.5 A garden hose attached to a hose bib capable of supplying water shall be available. The hose shall be long enough to reach the device.

10.10.11.6 Ashes shall be dampened until cool and stored in a non-combustible container dedicated to ash storage.

Paragraph 10.11.1.1 of the NFPA 1, Fire Code, 2015 Edition, is amended to read as follows:

10.11.1.1 New and existing buildings shall have approved addresses conforming to the requirements of Chapter 9, Article II of the Rockville

City Code.

Subsection 10.11.1 of the NFPA 1, Fire Code, 2015 Edition, is amended by adding Subparagraph and Paragraph as follows:

10.11.1.1.1 Subject to the approval of the AHJ, individual suites within structures and rear exterior entrances and/or access from service corridors shall be clearly identified.

10.11.1.4 Where required by the AHJ, symbols in compliance with NFPA 170 *Standard for Fire Safety and Emergency Symbols* shall be used.

Paragraph 10.11.1.2 of the NFPA 1, Fire Code, 2015 Edition, is amended to read as follows:

10.11.1.2 Premises identification shall contrast with their background.

Paragraph 10.11.1.3 of the NFPA 1, Fire Code, 2015 Edition, is amended to read as follows:

10.11.1.3 Premises identification shall be Arabic numerals or alphabet letters.

Subsection 10.11.4 of the NFPA 1, Fire Code, 2015 Edition, is added to read as follows:

10.11.4 Fire Department Access Signage

10.11.4.1 Signage required by Chapter 9, Fire Code, of the Rockville City Code shall comply with requirements of the City of Rockville Fire Department Access and Signage Manual, unless otherwise permitted by the AHJ.

Paragraph 10.13.1.1 of the NFPA 1, Fire Code, 2015 Edition, is amended as follows:

10.13.1.1 Unless otherwise approved by the AHJ, Christmas tree placement within buildings shall comply with 10.13.1.1

Subsection 10.13.1 of the NFPA 1, Fire Code, 2015 Edition, is amended by adding Paragraph 10.13.1.2 as follows:

10.13.1.2 The AHJ shall:

- (1) Approve the placement of a natural cut or balled tree;
- (2) Limit the number of natural cut or balled trees displayed; and
- (3) Order the removal of any tree if the tree poses a hazard to life or safety.

Paragraph 10.13.3.1 of the NFPA 1, Fire Code, 2015 Edition, is amended to read as follows:

10.13.3.1 Artificial vegetation and artificial Christmas trees shall be labeled or otherwise identified or certified by a testing laboratory recognized by the Office of the State Fire Marshal.

Subsection 10.13.9.1 of the NFPA 1, Fire Code, 2015 Edition, is amended to read as follows:

10.13.9.1 Where a natural cut tree is permitted, the bottom end of the trunk shall be cut off with a straight fresh cut at least 2 in. (50 mm) above

the end prior to placing the tree in a stand to allow the tree to absorb water. A natural cut tree shall not exceed 10 ft. (3 m) in height, excluding the tree stand.

Subparagraph 10.14.11.2.6 of the NFPA 1, Fire Code, 2015 Edition, is amended to read as follows:

10.14.11.2.6 A fuel break of a minimum of 20 ft. (6 m) wide shall be cleared between a crop maze and any vehicles, buildings, or vegetation outside the maze.

Section 10.15 of the NFPA 1, Fire Code, 2015 Edition, is amended by adding Subsection 10.15.6 to read as follows:

10.15.6 The AHJ shall have the authority to require that outdoor storage of any combustible material be enclosed by an approved fence or other protective enclosure to prevent unauthorized access.

Subsection 10.15.1 of the NFPA 1, Fire Code, 2015 Edition, is amended to read as follows:

10.15.1 Outside storage of combustible materials shall not be located within 15 ft. (4.6 m) of a property line, building, or adjacent pile of combustible material. The separation distance shall be allowed to be increased where the AHJ determines that a higher hazard to the adjoining property exists.

Subsection 10.15.5 of the NFPA 1, Fire Code, 2015 Edition, is amended to read as follows:

10.15.5 Combustible storage in the open shall not exceed 20 ft. (6.1m) in height and 10,000 ft² (929 m²) in area.

Subsection 10.18.7 of the NFPA 1, Fire Code, 2015 Edition, is amended as follows:

10.18.7 Fueled Equipment. Fueled equipment shall, including but not limited to motorcycles, mopeds, lawn-care equipment, shall not be stored, operated, or repaired on any balcony, under any overhanging portion, or within a building except under one of the following conditions:

- (1) The building or room has been constructed for such use in accordance with the building code.
- (2) The use is allowed by other provisions of this *Code*.

Section 11.1 of the NFPA 1, Fire Code, 2015 Edition, is amended by adding Subsection 11.1.9 to read as follows:

11.1.9 Clearance. A clear space of not less than 30 in. (762 mm) in width, 36 in. (914mm) in depth and 78 in. (1981 mm) in height shall be provided in front of electrical service equipment. Where the electrical service equipment is wider than 30 in. (762 mm), the clear space shall not be less than the width of the equipment. No storage of any materials shall be located within

the designated clear space.

Exception: Where other specialized dimensions are required or permitted by NFPA 70.

Paragraph 11.1.7.3 of the NFPA 1, Fire Code, 2015 Edition, is amended by adding Subparagraph 11.1.7.3.2 as follows:

11.1.7.3.2 Doors into electrical control panel rooms shall be marked with a plainly visible and legible sign stating ELECTRICAL ROOM or similar approved wording in contrasting letters no less than 1 in. (25 mm) high and not less than ¼ in. (6.4 mm) in stroke width.

Paragraph 11.3.6.1 of the NFPA 1, Fire Code, 2015 Edition, is amended by adding Subparagraph 11.3.6.1 to read as follows:

11.3.6.1.1 All fire service elevator keys within the jurisdiction shall be uniform and specific for the jurisdiction. All new keys shall be cut to a uniform key code to comply with the Maryland State Elevator Code.

Subsection 11.9.1 of the NFPA 1, Fire Code, 2015 Edition, is amended to read as follows:

11.9.1 The location, design, content, and fire department access of the emergency command center shall be approved by the AHJ.

Paragraph 13.1.9 of the NFPA 1, Fire Code, 2015 Edition, is amended by adding Subparagraph 13.1.9.1 and to read as follows:

13.1.9 Where a required fire protection system is impaired or out of service for more than four (4) hours in a twenty-four (24) hour period, mitigating measures shall be in accordance with Section 9-14 of the Rockville City Code.

13.1.9.1 Fire sprinkler systems impaired or out of service for more than ten (10) hours in a twenty-four (24) hour period, mitigating measures shall be in accordance with Section 9-14 of the Rockville City Code.

Paragraph 13.2.2.2 of the NFPA 1, Fire Code, 2015 Edition, is amended by deleting the existing wording and replaced to read as follows:

13.2.2.2 All new buildings shall be equipped with an approved standpipe system where required by the Chapter 5, Buildings and Building Regulations, of the Rockville City Code . Where a Class III system is required, a Class I system shall be installed.

Paragraph 13.3.1.2 of the NFPA 1, Fire Code, 2015 Edition, is amended by adding Subparagraph 13.3.1.2.1 to read as follows:

13.3.1.2.1 For new ceiling installations, drop-out ceilings as referenced in NFPA 13, Subsection 8.15.14 shall be prohibited.

Paragraph 13.3.2.1 of the NFPA 1, Fire Code, 2015 Edition, is amended by adding Subparagraph 13.3.2.1.1 to read as follows:

13.3.2.1.1 All new buildings shall be equipped with an automatic sprinkler system or other automatic fire suppression system where required by Chapter 5, Buildings and Building Regulations, of the Rockville City Code..

Paragraph 13.3.3.1 of the NFPA 1, Fire Code, 2015 Edition, is amended to read as follows:

13.3.3.1 A sprinkler system shall be properly maintained to provide at least the same level of performance and protection as designed. The owner shall be responsible for maintaining the system and keeping it in good working condition.

Paragraph 13.3.3.2 of the NFPA 1, Fire Code, 2015 Edition, is amended to read as follows:

13.3.3.2 A sprinkler system shall be inspected, tested, and maintained in accordance with NFPA 25.

Subsection 13.4.1 of the NFPA 1, Fire Code, 2015 Edition, is amended by adding Subparagraph 13.4.1.1.1 to read as follows:

13.4.1.1.1 No fire pump component, including the pump, driver, or controller, shall be permitted to be installed in below ground vaults or pits unless otherwise approved by the AHJ.

Paragraph 13.6.1.2 of the NFPA 1, Fire Code, 2015 Edition, is amended to read as follows:

13.6.1.2* Where Required. Fire extinguishers shall be provided where required by this *Code* as specified in Table 13.6.1.2 and the referenced codes and standards listed in Chapter 2 unless otherwise permitted by the AHJ.

Sub-subparagraph 13.6.4.1.2.1 of the NFPA 1, Fire Code, 2015 Edition, is amended to read as follows:

13.6.4.1.2.1 Persons performing maintenance and recharging of extinguishers shall be licensed as required by the AHJ.

Sub-subparagraph 13.6.4.1.2.1.1 of the NFPA 1, Fire Code, 2015 Edition, is deleted.

Sub-subparagraph 13.6.4.1.2.1.2 of the NFPA 1, Fire Code, 2015 Edition, is deleted.

Sub-subparagraph 13.6.4.1.2.1.3 of the NFPA 1, Fire Code, 2015 Edition, is deleted.

Sub-subparagraph 13.6.4.1.2.1.4 of the NFPA 1, Fire Code, 2015 Edition, is deleted.

Sub-subparagraph 13.6.4.1.2.1.5 of the NFPA 1, Fire Code, 2015 Edition, is deleted.

Sub-subparagraph 13.6.4.1.2.1.6 of the NFPA 1, Fire Code, 2015 Edition, is deleted.

Sub-subparagraph 13.6.4.1.2.3 of the NFPA 1, Fire Code, 2015 Edition, is amended to read as follows:

13.6.4.1.2.3 Persons performing inspections shall not be required to be licensed.

Sub-subparagraph 13.7.2.28.1.2 of the NFPA 1, Fire Code, 2015 Edition, is amended to read as follows:

13.7.2.28.1.2 Storage occupancies less than three (3) stories with ordinary or high hazard contents not exceeding an aggregate floor area of 100,000 ft² (9300 m²) shall not be required to have a fire alarm system.

Sub-subparagraph 13.7.2.28.1.3 of the NFPA 1, Fire Code, 2015 Edition, is amended to read as follows:

13.7.2.28.1.3 Storage occupancies less than three (3) stories protected throughout by an approved automatic sprinkler system in accordance with Section 13.3 shall not be required to have a fire alarm system.

Paragraph 14.13.1.2 of the NFPA 1, Fire Code, 2015 Edition, is amended to read as follows:

14.13.1.2 For the purposes of 14.13.1.1, exit access shall include, but not limited to designated stairs, aisles, corridors, ramps, escalators, and passageways leading to an exit. For the purposes of 14.13.1.1, exit discharge shall include only designated stairs, ramps, aisles, walkways, and escalators leading to a public way.

Paragraph 18.1.3.1 of the NFPA 1, Fire Code, 2015 Edition, is amended to read as follows:

18.1.1.1 Fire Apparatus Access. Plans for fire apparatus access roads shall be submitted to the AHJ for review and approval prior to construction.

Paragraph 18.1.3.2 of the NFPA 1, Fire Code, 2015 Edition, is amended to read as follows:

18.1.3.2 Fire Hydrant Systems. Plans and specifications for fire hydrant systems shall be submitted to the AHJ for review and approval prior to construction.

Subparagraph 18.2.2.1 of the NFPA 1, Fire Code, 2015 Edition, is amended to read as follows:

18.2.2.1 Access Box(es). All occupancies other than one- and two-family dwellings, shall provide an approved access box.

18.2.2.1.1 An access box shall not be required for occupancies providing

a 24- hour on-site staffing with access to all areas in the building or complex. At least one person shall staff a fixed location proximate to the main building or complex entrance to provide ready access for the fire department.

18.2.2.1.2 For multiple occupancies located within a single structure, a single access box shall be permitted with approval of the authority having jurisdiction.

18.2.2.1.3 For multiple structures within a residential building complex, a single access box shall be permitted with approval of the authority having jurisdiction.

Subparagraph 18.2.2.1 of the NFPA 1, Fire Code, 2015 Edition, is amended by adding Sub-subparagraph 18.2.2.1.1 to read as follows:

18.2.2.1.1 The size, contents, and location of the access box shall be determined by the local fire department in cooperation with the occupancy owner or management.

Subparagraph 18.2.3.2.1 of the NFPA 1, Fire Code, 2015 Edition, is amended to read as follows:

18.2.3.2.1 A fire department access road shall extend to within 50 ft. (15 m) of at least one (1) exterior door acceptable to the AHJ that can be opened from the outside and that provides access to the interior of the building.

Sub-subparagraph 18.2.3.4.1.1 of the NFPA 1, Fire Code, 2015 Edition, is amended to add the following sub-subparagraphs:

18.2.3.4.1.1.1 On-street parking is allowed on one side if the load-bearing fire department access road is at least 28 ft. (8.53 m) wide.

18.2.3.4.1.1.2 On-street parking is allowed on both sides if the load-bearing fire department access road is at least 36 –ft. (10.97 m) wide.

18.2.3.4.1.1.3 Fire department access roads serving one- and two- family dwellings of three (3) stories or less, with no superimposed dwelling units or portions of dwelling units, and having no window sill greater than 27 ft. (8.23 m) from grade on the same side of the structure as the fire department access road, may be 26 –ft. (7.92 m) wide and allow parking on one side, if there are 50 –ft. (15.24 m) long operating bays at 300 –ft. (91.44 m) intervals.

Sub-subparagraph 18.2.3.4.1.2 of the NFPA 1, Fire Code, 2015 Edition, is amended by adding Sub-subparagraph 18.2.3.4.1.2.3 to read as follows:

18.2.3.4.1.2.3 Vertical clearance for any overhead obstruction over streets classified by Section 21-21 of the Rockville City Code as Limited Access,

Major, or Arterial, shall be at least 16 ft. (4.88 m) from the finished surface.

Subparagraph 18.2.3.4.2 of the NFPA 1, Fire Code 2015 Edition, is amended to read as follows:

18.2.3.4.2 Surface. Fire Department access roads shall be designed and maintained to support the imposed loads of fire apparatus and shall be provided with an all-weather driving surface as approved by the AHJ.

Sub-subparagraph 18.2.3.4.3.1 of the NFPA 1, Fire Code, 2015 Edition, is added to read as follows:

18.2.3.4.3.1 Turning Radii. Turning radii for fire department access road shall comply with the following:

- (1) The minimum interior turning radius for a fire department access road is 25 ft. (7.62 m).
- (2) The minimum exterior turning radius for a fire department access road is 50 ft. (15.24 m).
- (3) Performance-based approval of alternative turning radii may be permitted if apparatus movement into opposing lanes of traffic is minimized and an unrestricted fire department access road is maintained.

Subparagraph 18.2.3.4.4 of the NFPA 1, Fire Code, 2015 Edition, is amended by adding Sub-subparagraphs 18.2.3.4.4.1 and 18.2.3.4.4.2 to read as follows:

18.2.3.4.4.1 Cul-de-sacs used to provide a dead end apparatus turn-around shall not be less than 90 –ft. (27.43 m) in diameter at the closed end.

18.2.3.4.4.2 Hammerhead or T-turnarounds used to provide a dead end apparatus turn-around shall have legs not less than 60 –ft. (18.29 m) long and all portions of the hammerhead or T-turnaround not less than 20 –ft. (6.1 m) wide.

Paragraph 18.2.3.5 of the NFPA 1, Fire Code, 2015 Edition, is amended by adding Subparagraph 18.2.3.5.3 to read as follows:

18.2.3.5.3 Approved signs or other approved notices required by 18.2.3.5.1 shall comply with requirements of the City of Rockville Fire Department Signage Manual.

Section 18.5 of the NFPA 1, Fire Code, 2015 Edition, is amended by adding Paragraph 18.5.1.7 and Subparagraphs 18.5.1.7.1 and 18.5.1.7.2 to read as follows:

18.5.1.7 Fire hydrants shall be spaced not greater than 300 ft. (92 m) from all exterior points of the structure where the fire hose would lay on the ground, and within 400 ft. (121.92 m) from any dead ends in a fire department access road.

18.5.1.7.1 Fire hydrant spacing may be increased to 500 ft. (153 m) for structures protected throughout by an approved automatic sprinkler system, in accordance with Section 9.7 of NFPA 101, Life Safety Code, 2015 Edition.

18.5.1.7.2 Buildings and structures equipped with a sprinkler system and/or a standpipe system shall have a fire hydrant located within 100 ft. (30.48 m) of the fire department connection. The distance shall be measured along a path accessible to foot travel.

Paragraph 18.5.2 of the NFPA 1, Fire Code, 2015 Edition, is deleted.

Paragraph 18.5.3 of the NFPA 1, Fire Code, 2015 Edition is deleted.

Paragraph 18.5.10.3 of the NFPA 1, Fire Code, 2015 Edition, is amended to read and by adding the following Paragraph Subparagraphs, and Annex Section to read as follows:

18.5.10.3 The provisions of this subsection shall apply to all private fire hydrants and, when authorized by their respective owners, all fire hydrants owned by the City of Rockville and WSSC.

18.5.10.3.1 A reflective paint or tape marker at least 2 in. (25 mm) shall be placed around the neck, immediately below the bonnet of each, on each fire hydrant.

18.5.10.3.2 If the fire hydrant is manufactured where a band cannot be applied to the neck of the fire hydrant, the reflective paint or tape marker shall be applied to the rim of the bonnet.

18.5.10.3.3* The color of the bonnet, three (3) outlets, and barrel shall be as follows:

CAPACITY	COLOR
<500 gpm	Safety Red
500 – 999 gpm	Safety Orange
1,000 – 1,500 gpm	Safety Green
>1,500 gpm	Safety Blue
All Barrels	Safety Red

A.18.5.10.3.3 The City of Rockville Department of Public Works uses the following paint to identify their fire hydrants:

COLOR	RUSTOLEUM ITEM #
Safety Red	K7764402
Safety Orange	3455402
Safety Green	3433402
Safety Blue	K7725402

Subsection 18.4.1 of the NFPA 1, Fire Code, 2015 Edition, is amended by adding the following Paragraphs to read as follows:

18.4.1.2 Fire flow requirements shall be met using fire hydrants located not further than 2000 ft. (610 m) from the building or structure being served.

18.4.1.2.2 Measurements to determine compliance with the requirements of 18.4.1.2.1 shall be made along a path or route accessible to fire department personnel.

Subparagraph 20.2.4.2.3 of the NFPA 1, Fire Code, 2015 Edition, is amended to read as follows:

20.2.4.2.3 Fire emergency egress drills shall be conducted as follows:

(1) Not less than one fire emergency egress drill shall be conducted every month the facility is in session, unless the following criteria are met:

(a) In climates where the weather is severe, the monthly fire emergency egress drills shall be permitted to be deferred; and (b) In educational occupancies which are:

(i) fully protected by an automatic sprinkler system, the total number of annual fire emergency egress drills shall be five, with a least two of the required drills conducted in the first four months of the school year; or

(ii) not fully protected by an automatic sprinkler system, the total number of annual fire emergency egress drills shall be eight, with at least three of the required drills conducted in the first four months of the school year.

(2) All occupants of the building shall participate in the fire emergency egress drill.

(3) One fire emergency egress drill, other than for educational occupancies that are open on a year-round basis, shall be required within the first 30 days of operation.

Subparagraph 20.3.4.1.1 of the NFPA 1, Fire Code, 2015 Edition, is amended to read as follows:

20.3.4.1.1 In new day-care homes, the requirements of Section 16.6 of NFPA 101 shall apply to day-care homes in which not more than twelve (12) clients receive care, maintenance, and supervision by other than their relative(s) or legal guardian(s) for less than twenty-four (24) hours per day, generally within a dwelling unit. (*See also 16.6.1.4 of NFPA 101.*)

Paragraph 25.2.2.1 of the NFPA 1, Fire Code, 2015 Edition, is amended to read as follows:

25.2.2.1 All tent fabric shall meet the flame propagation performance

criteria contained in NFPA 701, *Standard Methods of Fire Tests for Flame Propagation of Textiles and Films* or other approved testing standard approved by the State Fire Marshal.

Paragraph 26.1.5 of the NFPA 1, Fire Code, 2015 Edition, is amended by adding the following:

26.1.5.2 When requested by the AHJ, a hazard assessment shall be conducted by a technically qualified person acceptable to the AHJ.

26.1.5.3 When requested by the AHJ, a list of hazardous materials used in each laboratory shall be provided. The list shall specify the chemical name, quantity and hazard class.

26.1.5.4 New laboratories or laboratories where the NFPA 45 laboratory hazard classification changes shall post an information placard near the main entrance to the laboratory. The placard shall state the building name or address, room number, NFPA 45 laboratory hazard classification, edition of NFPA 45, maximum allowable quantities of flammable liquids both inside a storage cabinet and open use, and maximum quantities of flammable gases permitted within the laboratory.

Chapter 26 of the NFPA 1, Fire Code, 2015 Edition, is amended by adding the following:

26.3 Construction

26.3.1 All laboratories, laboratory suites or laboratory units within the scope of NFPA 45, regardless of the laboratory hazard classification in NFPA 45, shall be separated by at least one-hour fire resistance rated construction from non-laboratory areas. If a higher fire resistance rating is required by Table 5.1.1 in NFPA 45 or the building code, the higher fire resistance rating shall be used. Rooms that are an incidental use to the lab shall be considered part of the laboratory for the purpose of this requirement and shall not require additional separation.

Subparagraph 31.3.6.2.2 of the NFPA 1, Fire Code, 2015 Edition, is amended by adding item (9) to read as follows:

(9) Piles containing leaves and other extraneous or hogged material, such as whole tree chip piles, shall be turned or reclaimed at least every three (3) months.

Subparagraph 31.3.6.3.1 of the NFPA 1, Fire Code, 2015 Edition, is deleted and amended to read as follows:

31.3.6.3.1 Piles may not exceed 18 ft. (5.49 m) in height, 50 ft. (15.24 m) in width, and 350 ft. (106.68 m) in length. Piles shall be subdivided by fire lanes having at least 25 ft. (7.62 m) of clear space at the base of piles.

Subparagraph 31.3.6.3.2 of the NFPA 1, Fire Code, 2015 Edition, is deleted.

Sub-subparagraph 31.3.6.3.2.1 of the NFPA 1, Fire Code, 2015 Edition, is deleted.

Sub-subparagraph 31.3.6.3.2.2 of the NFPA 1, Fire Code, 2015 Edition, is deleted.

Sub-subparagraph 31.3.6.3.2.3 of the NFPA 1, Fire Code, 2015 Edition, is deleted.

Paragraph 42.7.5 of the NFPA 1, Fire Code, 2015 Edition, is amended by adding Paragraph 42.7.5.7, Paragraph 42.7.5.8, and Paragraph 42.7.5.9 to read as follows:

42.7.5.7 Management/owner officials or employees shall conduct daily site visits to ensure that all equipment is operating properly.

42.7.5.8 Regular equipment inspection and maintenance at the unattended self- service facility shall be conducted.

42.7.5.9 Fuel dispensing equipment shall comply with one of the following:

(1) The amount of fuel being dispensed is limited in quantity by preprogrammed card; or

(2) Dispensing devices shall be programmed or set to limit uninterrupted fuel delivery of not more than 25 gal. (94.64 L) and shall require a manual action to resume continued delivery.

Subparagraph 42.7.5.5 of the NFPA 1, Fire Code, 2012 Edition, is amended to read as follows:

42.7.5.5 A telephone or other approved, clearly identified means to notify the fire department shall be provided on the site in a location approved by the AHJ. The following information shall be conspicuously posted in this area:

(1) The exact address of the unattended self-service facility.

(2) The telephone number of the owner or operator of the unattended self- service facility.

Subsection 50.2.1 of the NFPA 1, Fire Code, 2015 Edition, is amended to add the following Paragraphs, Subparagraphs, and Sub-subparagraphs:

50.2.1.10 Commercial Outdoor Cooking Operations. These requirements apply to commercial outdoor cooking operations such as those that typically take place under a canopy or tent type structure at fairs, festivals and carnivals. This includes but is not limited to deep-frying, sautéing and grilling operations.

50.2.1.10.1 Tent and Canopy Requirements.

50.2.1.10.1.1. Tents or canopies where cooking equipment not protected in accordance with NFPA 96 is located shall not be occupied by the public and shall be separated from other tents, canopies, structures, or vehicles by a minimum of 10 ft. (3.05 m) unless otherwise approved by the AHJ.

50.2.1.10.1.2. All tent and canopy material shall comply with the flame resistance requirements of Subsection 25.2.2.

50.2.1.10.2 LP Gas Fuel Requirements

50.2.1.10.2.1 LP gas tank size shall be limited to 60 lbs. The total amount of LP gas on site shall not exceed 60 lbs. for each appliance that is rated not more than 80,000 btu/hr. and 120 lbs. for each appliance rated more than 80,000 btu/hr.

50.2.1.10.2.2 Tanks must be maintained in good physical condition and shall have a valid hydrostatic date stamp.

50.2.1.10.2.3 Tanks shall be secured in their upright position with a chain, strap or other approved method that prevents the tank from tipping over.

50.2.1.10.2.4 Tanks shall be located so that they are not accessible to the public. LP gas tanks shall be located at least 5 ft. (1.52 m) from any cooking or heating equipment or any open flame device.

50.2.1.10.2.5 All LP gas equipment shall be properly maintained and comply with the requirements of NFPA 58.

50.2.1.10.2.6 Regulators. Single-stage regulators may not supply equipment that is rated more than 100,000 btu/hr. rating. Two-stage regulators shall be used with equipment that is rated more than 100,000 btu/hr.

50.2.1.10.3 General Safety Requirements.

50.2.1.10.3.1 All electrical cords shall be maintained in a safe condition and shall be secured to prevent damage.

50.2.1.10.3.2 Movable cooking equipment shall have wheels removed or shall be placed on blocks or otherwise secured to prevent movement of the appliance during operation.

50.2.1.10.3.3 Portable fire extinguishers shall be provided in accordance with NFPA 1, Section 13.6 and shall be specifically listed for such use.

Section 60.1 of the NFPA 1, Fire Code, 2015 Edition, is amended by adding Subsection 60.1.8 and Paragraph 60.1.8.1 to read as follows:

60.1.8 Permits.

60.1.8.1 A Hazardous Materials Use Permit, issued by Montgomery County, shall be required to dispense, handle, use, process, transfer, store, or manufacture one or more materials or substances that meet the requirements of a “hazardous substance” per Montgomery County Regulation 17-03.

Section 65.2 of the NFPA 1, Fire Code, 2015 Edition, is amended by adding Subsection

65.2.3 to read as follows:

65.2.3 All storage of display fireworks shall comply with NFPA 1124, Code for the Manufacture, Transportation, Storage, and Retail Sales of Fireworks and Pyrotechnic Articles, 2006 edition.

Section 65.2 of the NFPA 1, Fire Code, 2015 Edition, is amended by adding Subsection 65.2.4 to read as follows:

65.2.4 Insurance Requirements.

65.2.4.1 The following requirements apply to public liability and property damage insurance:

- (1) The State and City of Rockville shall be named as an insured in the contract of insurance;
- (2) Because the policy shall cover all damages to persons or property, a deductible form of coverage may not be accepted;
- (3) The minimum amount of coverage that the State can accept on any display is \$25,000 for the injury of one person, \$50,000 for more than one person, and \$10,000 for property damage; and
- (4) A duplicate policy of a certificate of insurance shall be attached to the application.

65.2.4.2 The policy or certificate shall provide that:

- (1) The coverage may not be canceled without at least 30 days notice to the State Fire Marshal;
- (2) The duplicate policy or certificate shall set forth all of the terms, conditions, endorsements, and riders which are or which will become part of the policy when issued;
- (3) It is understood and agreed that limitations cannot be included in the policy which are not set forth in the duplicate policy or certificate of insurance which has been filed;
- (4) If the policy is issued by an insurer authorized to do business in the State, it shall be validated by the signature of an agent licensed by the Maryland Insurance Administration to represent the insurer;
- (5) If coverage is provided by an insurer who is not authorized to do business in the State, the duplicate policy or certificate of insurance shall be accompanied by a power of attorney or other satisfactory evidence that the person, firm, or corporation acting as agent in accepting the risk has authority to bind risks and issue policies for the insurer;

(6) The State Fire Marshal's Office specifically reserves the right to disapprove contracts issued by any authorized insurer if the Fire Marshal's Office determines the insurer is unsatisfactory; and

(7) If the policy issued by the unauthorized company is acceptable to the Fire Marshal's Office, it shall be registered and the registration fee and tax paid.

Section 65.3 of the NFPA 1, Fire Code, 2015 Edition, is amended by adding Subsection 65.3.4 to read as follows:

65.3.4 Insurance Requirements.

65.3.4.1 The following requirements apply to public liability and property damage insurance

- (1) The State and City of Rockville shall be named as an insured in the contract of insurance;
- (2) Because the policy shall cover all damages to persons or property, a deductible form of coverage may not be accepted;
- (3) The minimum amount of coverage that the State can accept on any display is \$25,000 for the injury of one person, \$50,000 for more than one person, and \$10,000 for property damage; and
- (4) A duplicate policy of a certificate of insurance shall be attached to the application.

65.3.4.2 The policy or certificate shall provide that:

- (1) The coverage may not be canceled without at least 30 days notice to the State Fire Marshal;
- (2) The duplicate policy or certificate shall set forth all of the terms, conditions, endorsements, and riders which are or which will become part of the policy when issued;
- (3) It is understood and agreed that limitations cannot be included in the policy which are not set forth in the duplicate policy or certificate of insurance which has been filed;
- (4) If the policy is issued by an insurer authorized to do business in the State, it shall be validated by the signature of an agent licensed by the Maryland Insurance Administration to represent the insurer;
- (5) If coverage is provided by an insurer who is not authorized to do business in the State, the duplicate policy or certificate of insurance shall be accompanied by a power of attorney or other satisfactory evidence that the person, firm, or corporation acting as

agent in accepting the risk has authority to bind risks and issue policies for the insurer;

(6) The State Fire Marshal's Office specifically reserves the right to disapprove contracts issued by any authorized insurer if the Fire Marshal's Office determines the insurer is unsatisfactory; and

(7) If the policy issued by the unauthorized company is acceptable to the Fire Marshal's Office, it shall be registered and the registration fee and tax paid.

Section 65.4 of the NFPA 1, Fire Code, 2015 Edition, is amended by adding Subsection 65.4.3 to read as follows:

65.4.3 Insurance Requirements.

65.4.3.1 The following requirements apply to public liability and property damage insurance:

(1) The State and City of Rockville shall be named as an insured in the contract of insurance

(2) Because the policy shall cover all damages to persons or property, a deductible form of coverage may not be accepted;

(3) The minimum amount of coverage that the State can accept on any display is \$25,000 for the injury of one person, \$50,000 for more than one person, and \$10,000 for property damage; and

(4) A duplicate policy of a certificate of insurance shall be attached to the application.

65.4.3.2 The policy or certificate shall provide that:

(1) The coverage may not be canceled without at least 30 days notice to the State Fire Marshal;

(2) The duplicate policy or certificate shall set forth all of the terms, conditions, endorsements, and riders which are or which will become part of the policy when issued;

(3) It is understood and agreed that limitations cannot be included in the policy which are not set forth in the duplicate policy or certificate of insurance which has been filed;

(4) If the policy is issued by an insurer authorized to do business in the State, it shall be validated by the signature of an agent licensed by the Maryland Insurance Administration to represent the insurer;

(5) If coverage is provided by an insurer who is not authorized to do business in the State, the duplicate policy or certificate of insurance shall be accompanied by a power of attorney or other satisfactory evidence that the person, firm, or corporation acting as agent in accepting the risk has authority to bind risks and issue policies for the insurer;

(6) The State Fire Marshal's Office specifically reserves the right to disapprove contracts issued by any authorized insurer if the Fire Marshal's Office determines the insurer is unsatisfactory; and

(7) If the policy issued by the unauthorized company is acceptable to the Fire Marshal's Office, it shall be registered and the registration fee and tax paid.

Section 65.5 of the NFPA 1, Fire Code, 2015 Edition, is deleted.

Subsection 65.9.1 of the NFPA 1, Fire Code, 2015 Edition, is amended to read as follows:

65.9.1 The manufacture, transportation, storage, sale, and use of explosive materials shall comply with NFPA 495, *Explosives Materials Code*, and NFPA 498, *Standard for Safe Havens and Interchange Lots for Vehicles Transporting Explosives*.

65.9.2 The provisions of NFPA 495, *Explosives Materials Code*, shall be amended as follows:

(1) Delete Sections 11.1 and 11.2.

(2) Amend Section 3.3 to add the following definition: Demolition. The explosive razing of any manmade structure or any part thereof that cannot be covered with overburden or blasting mats.

(3) Amend Section 4.4 to add the following new Subsection: 4.4.7 Each applicant for a Demolition Class D permit shall possess 5 years of experience in the field of demolition and shall pass the demolition examination as approved by the Office of the State Fire Marshal.

Section 74.1 of the NFPA 1, Fire Code, 2015 Edition, is amended to delete subsection 11.1.3.

Secs. 9-75 – 9-78. Reserved