



# RULE-MAKING ORDER

Cl .03 (June 2004)  
(Implements RCW 34.05.360)

Agency: State Building Code Council

- Permanent Rule
- Emergency Rule

**Effective date of rule:**

**Permanent Rules**

- 31 days after filing.
- Other (specify) July 1, 2005 (If less than 31 days after filing, a specific finding under RCW 34.05.380(3) is required and should be stated below)

**Effective date of rule:**

**Emergency Rules**

- Immediately upon filing.
- Later (specify) \_\_\_\_\_

**Any other findings required by other provisions of law as precondition to adoption or effectiveness of rule?**

- Yes
  - No
- If Yes, explain:

**Purpose:** To amend the Washington State Amendments to the 2003 International Fire Code to delete requirements regulating gas and charcoal grills, to revise provisions for evacuation plans, to amend requirements for display of cut trees, to amend the phrase "spray spaces" to "spray areas" for consistency with defined terms, and to provide requirements for marinas.

**Citation of existing rules affected by this order:**

Repealed:  
 Amended: WAC 51-54, Sections 0300, 0400, 0800, 1500, and 4600.  
 Suspended:

**Statutory authority for adoption:** RCW 19.27.020, 19.27.031 and 19.27.074

**Other authority:** RCW 19.27 and RCW 34.05

**PERMANENT RULE ONLY (Including Expedited Rule Making)**

Adopted under notice filed as WSR 04-17-020 on August 9, 2004 (date).  
 Describe any changes other than editing from proposed to adopted version: Group LC was added to the list of occupancies that may require fire safety and evacuation plans under Section 404.2.

If a preliminary cost-benefit analysis was prepared under RCW 34.05.328, a final cost-benefit analysis is available by contacting: N/A

Name: \_\_\_\_\_ phone ( ) \_\_\_\_\_  
 Address: \_\_\_\_\_ fax ( ) \_\_\_\_\_  
 e-mail \_\_\_\_\_

**EMERGENCY RULE ONLY**

- Under RCW 34.05.350 the agency for good cause finds:
- That immediate adoption, amendment, or repeal of a rule is necessary for the preservation of the public health, safety, or general welfare, and that observing the time requirements of notice and opportunity to comment upon adoption of a permanent rule would be contrary to the public interest.
  - That state or federal law or federal rule or a federal deadline for state receipt of federal funds requires immediate adoption of a rule.

Reasons for this finding:

**Date adopted:** November 12, 2004

**NAME (TYPE OR PRINT)**  
Stan Price

**SIGNATURE**

**TITLE**  
Council Chair

**CODE REVISER USE ONLY**

CODE REVISER USE ONLY

TIME \_\_\_\_\_

WSR \_\_\_\_\_

1053

05-01-06

APR 11

**Note: If any category is left blank, it will be calculated as zero.  
No descriptive text.**

**Count by whole WAC sections only, from the WAC number through the history note.  
A section may be counted in more than one category.**

**The number of sections adopted in order to comply with:**

<b>Federal statute:</b>	New	_____	Amended	_____	Repealed	_____
<b>Federal rules or standards:</b>	New	_____	Amended	_____	Repealed	_____
<b>Recently enacted state statutes:</b>	New	_____	Amended	_____	Repealed	_____

**The number of sections adopted at the request of a nongovernmental entity:**

New	_____	Amended	<u>4</u>	Repealed	_____
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**The number of sections adopted in the agency's own initiative:**

New	_____	Amended	<u>1</u>	Repealed	_____
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**The number of sections adopted in order to clarify, streamline, or reform agency procedures:**

New	_____	Amended	_____	Repealed	_____
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**The number of sections adopted using:**

<b>Negotiated rule making:</b>	New	_____	Amended	_____	Repealed	_____
<b>Pilot rule making:</b>	New	_____	Amended	_____	Repealed	_____
<b>Other alternative rule making:</b>	New	_____	Amended	<u>5</u>	Repealed	_____

AMENDATORY SECTION (Amending WSR 04-01-105, filed 12/17/03, effective 7/1/04)

**WAC 51-54-0300 Chapter 3--General precautions against fire.**

**307.2.1 Authorization.** Where required by state or local law or regulations, open burning shall only be permitted with prior approval from the state or local air and water quality management authority, provided that all conditions specified in the authorization are followed. See also chapter 173-425 WAC.

**307.3.2 Recreational fires.** Recreational fires shall not be conducted within 25 feet of a structure or combustible material. Conditions which could cause a fire to spread within 25 feet of a structure shall be eliminated prior to ignition. See also chapter 173-425 WAC.

**308.3.1 Open-flame cooking devices.** This section is not adopted.

**308.3.1.1 Liquefied-petroleum-gas-fueled cooking devices.** This section is not adopted.

**308.3.4 Aisles and exits.** Candles shall be prohibited in areas where occupants stand, or in an aisle or exit.

EXCEPTION: Candles used in religious ceremonies. See RCW 19.27.031(3).

**308.3.5 Religious ceremonies.** Participants in religious ceremonies shall not be precluded from carrying hand-held candles.

**308.3.7 Group A Occupancies.** Open-flame devices shall not be used in a Group A Occupancy.

EXCEPTIONS:

1. Open-flame devices are allowed to be used in the following situations:
  - 1.1 Where necessary for ceremonial or religious purposes in accordance with Section 308.5.
  - 1.2 On stages and platforms as a necessary part of a performance in accordance with Section 308.6, provided approved precautions are taken to prevent ignition of a combustible material or injury to occupants.
  - 1.3 Where candles on tables are securely supported on substantial noncombustible bases and the candle flames are protected provided approved precautions are taken to prevent ignition of a combustible material or injury to occupants.
2. Heat-producing equipment complying with Chapter 6 and the International Mechanical Code.
3. Gas lights are allowed to be used provided adequate precautions satisfactory to the fire code official are taken to prevent ignition of combustible materials.

NEW SECTION

**WAC 51-54-0400 Chapter 4--Emergency planning and preparedness.**

**401.2 Approval.** Where required by the fire code official, fire safety plans, emergency procedures, and employee training programs shall be approved.

**404.2 Where required.** A fire safety and evacuation plan shall be prepared and maintained in accordance with this chapter for the following occupancies and buildings when required by the fire code official.

1. Group A having an occupant load of 100 or more.
2. Group E.
3. Group H.
4. Group I.
5. Group R-1.
6. Group R-4.
7. Group LC.
8. High-rise buildings.
9. Group M buildings having an occupant load of 500 or more persons or more than 100 persons above or below the lowest level of exit discharge.
10. Covered malls exceeding 50,000 sf in aggregate floor area.
11. Underground buildings.
12. Buildings with an atrium and having an occupancy in Group A, E, or M.

**404.4 Maintenance.** Fire safety and evacuation plans shall be reviewed by the owner or occupant annually or as necessitated by changes in staff assignments, occupancy, or the physical arrangement of the building.

**408.11.1.1 Approval.** The lease plan shall be submitted to the fire code official, and shall be maintained on-site for immediate reference by responding fire service personnel.

**408.11.1.2 Revisions.** The lease plan shall be reviewed by the owner or occupant and revised annually or as often as necessary to keep them current.

## NEW SECTION

**WAC 51-54-0800 Chapter 8--Interior finish, decorative materials and furnishings.**

**804.1.1 Restricted occupancies.** Natural cut trees shall be prohibited in Group I-1, I-2, I-3, I-4, LC and R-4 occupancies.

**804.1.2 Support devices.** The support device that holds the tree in an upright position shall be of a type that is stable and that meets all of the following criteria:

1. The device shall hold the tree securely and be of adequate size to avoid tipping over of the tree.
2. The device shall be capable of containing a minimum supply

of water in accordance with Table 804.1.2.

3. The water level, when full, shall cover the tree stem at least 2 inches (51 mm). The water level shall be maintained above the fresh cut and checked at least once daily.

**804.1.3 Dryness.** The tree shall be removed from the building whenever the tree is determined to be dry by needle pliability, discoloration or other approved means as approved by the fire code official. The tree shall be checked daily for dryness.

**Table 804.1.2--Support Stand Water Capacity**

Tree Stem Diameter (inches)	Minimum Support Stand Water Capacity (gallons)	Typical Daily Water Transpiration Amount (gallons)
Up to 4	1	1/4 to 1
4 to 6	1 1/2	1 1/4 to 1 1/2
7 to 8	2	1 3/4 to 2
9 to 12	3	2 1/4 to 3
13 and over	4	Over 3

NEW SECTION

**WAC 51-54-1500 Chapter 15--Flammable finishes.**

**1503.2.1.1 Spray and vapor areas.** Electrical wiring and equipment in spray and vapor areas shall be of an explosion-proof type approved for use in such hazardous locations. Such areas shall be considered to be Class I, Division 1 or Class II, Division 1 hazardous locations in accordance with the ICC *Electrical Code*.

**1503.2.2 Open flames and sparks.** Open flames and spark-producing devices shall not be located in spray or vapor areas and shall not be located within 20 feet (6096 mm) of such areas unless separated by a permanent partition.

**1503.2.4 Equipment enclosures.** Equipment or apparatus that is capable of producing sparks or particles of hot metal that would fall into a spray or vapor area shall be totally enclosed.

**1503.2.6 Smoking prohibited.** Smoking shall be prohibited in spray or vapor areas. "No Smoking" signs complying with Section 310 shall be conspicuously posted in such areas.

**1504.1.3 Spraying areas.** Spraying areas shall be designed and constructed in accordance with the *International Building Code* and Sections 1504.1.3.1, 1504.2, 1504.3, 1504.4, 1504.5 and 1504.6 of this code.

**1504.1.3.1 Floor.** Combustible floor construction in spraying areas shall be covered by approved, noncombustible, nonsparking material, except where combustible coverings, such as thin paper or plastic and strippable coatings are utilized over noncombustible materials to facilitate cleaning operations in spraying areas.

**1504.4 Different coatings.** Spray booths, spray rooms and spray areas shall not be alternately utilized for different types of coating materials where the combination of materials is conducive to spontaneous ignition, unless all deposits of one material are removed from the booth, room or area and exhaust ducts prior to spraying with a different material.

**1504.5 Illumination.** Where spraying areas, spray rooms or spray booths are illuminated through glass panels or other transparent materials, only fixed lighting units shall be utilized as a source of illumination.

#### NEW SECTION

### **WAC 51-54-4600 Chapter 46--Marinas.**

#### **SECTION 4601**

**4601.1 Scope.** Marina facilities shall be in accordance with this chapter.

**4601.1.1 Plans and approvals.** Plans for marina fire-protection facilities shall be approved prior to installation. The work shall be subject to final inspection and approval after installation.

**4601.1.2 Permits.** Permits are required to use open-flame devices for maintenance or repair on vessels, floats, piers or wharves.

#### **SECTION 4602--DEFINITIONS.**

**4602.1 Definitions.** The following words and terms shall, for the purpose of this chapter and as used elsewhere in this code, have the meanings shown herein.

**FLOAT** is a floating structure normally used as a point of transfer for passengers and goods, or both, for mooring purposes.

**MARINA** is any portion of the ocean or inland water, either naturally or artificially protected, for the mooring, servicing or safety of vessels and shall include artificially protected works, the public or private lands ashore, and structures or facilities provided within the enclosed body of water and ashore for the mooring or servicing of vessels or the servicing of their crews or passengers.

**PIER** is a structure built over the water, supported by pillars or piles, and used as a landing place, pleasure pavilion or similar purpose.

**VESSEL** is watercraft of any type, other than seaplanes on the

water, used or capable of being used as a means of transportation. Included in this definition are nontransportation vessels such as houseboats and boathouses.

**WHARF** is a structure or bulkhead constructed of wood, stone, concrete or similar material built at the shore of a harbor, lake or river for vessels to lie alongside of, and piers or floats to be anchored to.

#### SECTION 4603--GENERAL PRECAUTIONS.

**4603.1 Combustible debris.** Combustible debris and rubbish shall not be deposited or accumulated on land beneath marina structures, piers or wharves.

**4603.2 Sources of ignition.** Open-flame devices used for lighting or decoration on the exterior of a vessel, float, pier or wharf shall be approved.

**4603.3 Flammable or combustible liquid spills.** Spills of flammable or combustible liquids at or upon the water shall be reported immediately to the fire department or jurisdictional authorities.

**4603.4 Rubbish containers.** Containers with tight-fitting or self-closing lids shall be provided for the temporary storage of combustible trash or rubbish.

**4603.5 Electrical equipment.** Electrical equipment shall be installed and used in accordance with its listing and Section 605 as required for wet, damp and hazardous locations.

#### SECTION 4604--FIRE-PROTECTION EQUIPMENT.

**4604.1 General.** Marinas, piers, wharves, floats with facilities for mooring or servicing five or more vessels, and marine motor vehicle fuel-dispensing stations shall be equipped with fire-protection equipment in accordance with Section 4604.

**4604.2 Standpipes.** Marinas shall be equipped throughout with standpipe systems in accordance with NFPA 303.

**4604.3 Access and water supply.** Piers and wharves shall be provided with fire apparatus access roads and water-supply systems with on-site fire hydrants when required and approved by the fire code official.

**4604.4 Portable fire extinguishers.** One fire extinguisher for ordinary (moderate) hazard type, shall be provided at each required hose station. Additional fire extinguishers, suitable for the hazards involved, shall be provided and maintained in accordance with Section 906.

**4604.5 Communications.** A telephone not requiring a coin to operate or other approved, clearly identified means to notify the fire department shall be provided on the site in a location approved by the code official.

#### SECTION 4605--MARINE MOTOR VEHICLE FUEL-DISPENSING STATIONS.

**4605.1 Fuel dispensing.** Marine motor vehicle fuel-dispensing

stations shall be in accordance with Chapter 2.