



RULE-MAKING ORDER
(RCW 34.05.360)

CR-103 (10/1/89)

Agency: Washington State Building Code Council

- Permanent Rule
 Emergency Rule

(1) Date of adoption: November 13, 1992

(2) Purpose:
To adopt the final 1993 Water Conservation Performance Standards.

(3) Citation of existing rules affected by this order:
Repealed:
Amended: Chapter 51-26, Subchapter 18
Suspended:

(4) Authority for adoption:
Statute: RCW 19.27.170
Other Authority:

(5.1) PERMANENT RULE ONLY

Pursuant to notice filed as WSR 92-16-051 on July 31, 1992 (date).

Describe any changes other than editing from proposed to adopted version:

The proposal to delay implementation of the Water Conservation Performance Standards to September 30, 1993, for fixtures manufactured prior to January 1, 1993, has not been adopted.

(5.2) EMERGENCY RULE ONLY

Pursuant to RCW 34.05.350 the agency for good cause finds:

- (a) 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.
- (b) 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:

(5.3) Any other findings required by other provisions of law as precondition to adoption or effectiveness of rule?
 Yes No If yes, explain:

(6) Effective date of rule:

Permanent Rules

Emergency Rules

- 31 days after filing
 Other (specify) 7/1/93 *
- Immediately
 Later (specify) _____

* (If less than 31 days after filing, specific finding in 5.3 under RCW 34.05.380(3) is required)

CODE REVISER USE ONLY

11:33
93.01.164

NAME (TYPE OR PRINT)

Gene Colin

SIGNATURE

TITLE

Chair

DATE

11/13/92

AMENDATORY SECTION (Amending WSR 92-01-066, filed 12/13/91, effective 7/1/92)

WAC 51-26-1801 Declaration of purpose. Sec. 1801. The purpose of this chapter shall be to implement water conservation performance standards in accordance with RCW 19.27.170. (~~Cities, towns, and counties are prohibited from amending the standards established for low water consumption plumbing fixtures contained within this chapter.~~)

AMENDATORY SECTION (Amending WSR 92-01-066, filed 12/13/91, effective 7/1/92)

WAC 51-26-1802 Application. Sec. 1802. This chapter shall apply to all new construction and all remodeling involving replacement of plumbing fixtures and fittings in all residential, hotel, motel, school, industrial, commercial use, or other occupancies determined by the council to use significant quantities of water. Plumbing fixtures, fittings and appurtenances shall conform to the standards specified in this chapter and shall be provided with an adequate supply of potable water to flush and keep the fixtures in a clean and sanitary condition without danger of backflow or cross-connection.

AMENDATORY SECTION (Amending WSR 92-01-066, filed 12/13/91, effective 7/1/92)

WAC 51-26-1803 Water efficiency standards. (~~(1) Standards for waterclosets.~~) Sec. 1803. (a) Standards for Vitreous China Plumbing Fixtures. 1. The following standards shall be adopted as plumbing materials, performance standards, and labeling standards for water closets and urinals. Water closets and urinals shall meet either the ANSI/ASME standards or the CSA standard.

ANSI/ASME A112.19.2M-1990
ANSI/ASME A112.19.6-1990

Vitreous China Plumbing Fixtures
Hydraulic Requirements for Water
Closets and Urinals

CSA B45

CSA Standards on Plumbing Fixtures
with the provisions found in WAC 51-
26-1810.

2. The ((guideline for)) maximum water use allowed in gallons per flush (gpf) or liters per flush (lpf) for any of the following ((waterclosets is)) water closets shall be the following:

Tank-type toilet	((3.5 gpf))	<u>1.6 gpf/6.0 lpf</u>
Flushometer-valve toilets	((3.5 gpf))	<u>1.6 gpf/6.0 lpf</u>
Flushometer-tank toilets	((3.5 gpf))	<u>1.6 gpf/6.0 lpf</u>
Electromechanical hydraulic toilets .	((3.5 gpf))	<u>1.6 gpf/6.0 lpf</u>

- EXCEPTIONS:
1. Water closets located in day care centers, intended for use by young children, may have a maximum water use of 3.5 gallons per flush or 13.25 liters per flush.
 2. Water closets with bed pan washers may have a maximum water use of 3.5 gallons per flush or 13.25 liters per flush.
 3. Blow out bowls, as defined in ANSI/ASME A112.19.2M, Section 5.1.2.3 may have a maximum water use of 3.5 gallons per flush or 13.25 liters per flush.

~~((2) Standard for urinals.))~~ 3. The ((guideline for)) maximum water use allowed for any urinal ((is 3.0)) shall be 1.0 gallons per flush or 3.78 liters per flush.

~~((3) Standard for showerheads. The guideline for maximum water use allowed for any showerhead is 3.0 gallons per minute.~~

~~(4) Standards for faucets. The guideline for maximum water use allowed in gallons per minute (gpm) for any of the following faucets and replacement aerators is the following:~~

Bathroom faucets	<u>3.0 gpm</u>
Lavatory faucets	<u>3.0 gpm</u>
Kitchen faucets	<u>3.0 gpm</u>
Replacement aerators	<u>3.0 gpm</u>

~~(5))~~ 4. No urinal or ((watercloset)) water closet that operates on a continuous flow or continuous flush basis shall be permitted.

5. This section does not apply to fixtures installed before the effective date of this chapter, that are removed and relocated to another room or area of the same building after the effective date of this chapter.

(b) Standards for Plumbing Fixture Fittings. 1. The following standards are adopted as plumbing material, performance requirements, and labeling standards for plumbing fixture fittings. Faucets, aerators, and shower heads shall meet either the ANSI/ASME standard or the CSA standard.

<u>ANSI/ASME A112.18.1M-1989</u>	<u>Plumbing Fixture Fittings</u>
<u>CSA B125</u>	<u>Plumbing Fittings, with the provisions of WAC 51-26-1820.</u>

2. The maximum water use allowed for any shower head is 2.5 gallons per minute or 9.5 liters per minute.

EXCEPTION: Emergency use showers shall be exempt from the maximum water usage rates.

3. The maximum water use allowed in gallons per minute (gpm) or liters per minute (lpm) for any of the following faucets and replacement aerators is the following:



<u>Lavatory faucets</u>	<u>2.5 gpm/9.5 lpm</u>
<u>Kitchen faucets</u>	<u>2.5 gpm/9.5 lpm</u>
<u>Replacement aerators</u>	<u>2.5 gpm/9.5 lpm</u>
<u>Public lavatory faucets other than</u>	
<u>metering</u>	<u>0.5 gpm/1.9 lpm</u>

AMENDATORY SECTION (Amending WSR 92-01-066, filed 12/13/91, effective 7/1/92)

WAC 51-26-1804 ((Exceptions)) Metering valves. ((Except where designed and installed for use by the physically handicapped,)) Sec. 1804. Lavatory faucets located in restrooms intended for use by the general public ((must)) shall be equipped with a metering valve designed to close by spring or water pressure when left unattended (self-closing).

- EXCEPTION:
1. Where designed and installed for use by persons with a disability.
 2. Where installed in day care centers, for use primarily by children under the age of 6 years of age.

NEW SECTION

WAC 51-26-1810 Marking requirements for vitreous china plumbing fixtures. Sec. 1810. (a) The marking requirements for vitreous china plumbing fixtures contained in this section shall apply to fixtures tested in accordance with CSA B45. These requirements are consistent with the marking requirements mandated in ANSI/ASME A112.19.2.

(b) General. 1. Permanent Marking. Each fixture meeting this Standard (or each fixture component, if fixture is comprised of 2 or more components) shall be marked with the manufacturer's name or registered trademark, or in the case of private labeling, of the customer for whom the unit was manufactured. This mark shall be legible, readily identified, and applied so as to be permanent. The mark shall be located so as to be visible after the fixture is installed, except for fixtures built into or for a counter or cabinet.

2. Compliance with Standard. Each fixture shall be marked at a location determined by the manufacturer with the designation CSA B45 to signify compliance with this Standard. This mark need not be permanent, but shall be visible after installation.

3. Other Markings. Markings for specific products shall be per subsections (c) through (e).

(c) Seconds. All second grade ware shall be indelibly marked by the manufacturer with 2 parallel lines cut through the glaze into the body of the ware at the locations shown in Fig. 39 of ANSI/ASME A112.19.2M-1990. These cuts shall be filled with a



bright red permanent marking which is resistant to the action of hot water. No label shall be placed on seconds. Manufacturer's name, trademark, or private brand name or trademark shall be permanently placed on the fixture as described in subsection (b).

1. All packages containing seconds ("B" grade) shall be clearly identified with 2 red marks adjacent to fixture identification.

(d) Water Closets. 1. Permanent Markings. Tanks and bowls, when sold as a combination, shall be permanently marked both on the bowl and tank with the manufacturer's name or trademark, or private brand name or trademark.

2. Compliance with Standard. Marking shall be per subsection (b) 2.

3. Water Consumption. Water closets, both box and product, shall be labeled in accordance with its consumption classification and the average water consumption in liters for that classification. The fixture label shall be intended for removal by the occupant only, and so state on the label. The minimum wording on the label shall be as follows.

"This fixture qualifies according to CSA test procedures as a low-consumption water closet with an average consumption per flush of 6.0 liters or less."

4. Model Numbers. At the manufacturer's option, water closets may be marked with model numbers.

(e) Urinals. 1. Permanent Marking. See subsection (b) 1.

2. Compliance with Standard. See subsection (b) 2.

3. Water Consumption. Urinals, both box and product, shall be labeled in accordance with its consumption classification and the average water consumption in liters for that classification (See ANSI/ASME A112.19.2M-1990, paragraphs 5.3.3.1, 5.3.3.2, and 5.3.3.3). The fixture label shall be intended for removal by the occupant only, and so state on the label. The minimum wording on the label shall be as follows.

"This fixture qualifies according to CSA test procedures as a low-consumption urinal with an average consumption per flush of 3.78 liters or less."

NEW SECTION

WAC 51-26-1820 Marking requirements for plumbing fixture fittings. Sec. 1820. (a) The marking requirements for plumbing fixture fittings contained in this section shall apply to fixtures tested in accordance with CSA B125. These requirements are consistent with the marking requirements mandated in ANSI/ASME A112.18.1.

(b) Product. 1. Each fitting shall bear permanent legible markings to identify the manufacturer. This marking shall be the trade name, trademark, or other mark known to identify the manufacturer. Such marking shall be located where it can be seen after installation.

2. Each shower head, sink faucet, and lavatory faucet shall be marked "CSA B125" to demonstrate compliance with this Standard.

The marking shall be by means of either a permanent mark on the product, a label on the product, or a tag attached to the product.

(c) Package. 1. The package shall be marked with the manufacturer's name and model number.

2. The package or any label attached to the package for shower heads, sink faucets, and lavatory faucets shall contain at least the following: "CSA B125" and "9.5 lpm." The flow rate values shall be the actual flow rate or 9.5 lpm (2.5 gpm) in the case of shower heads, sink faucets, and lavatory faucets; or the actual flow rate or 1.9 lpm (0.5 gpm) in the case of public lavatory faucets (other than metering faucets).

3. For other products, it is recommended that the package or package label be marked with "CSA B125."

NEW SECTION

WAC 51-26-1830 Accepted plumbing fixtures and fixture fittings. Sec. 1830. Plumbing fixtures and fixture fittings which are tested in accordance with the standards listed herein and listed by either the International Association of Plumbing and Mechanical Officials or the Canadian Standards Association may be approved by the Administrative Authority for installation. Under Section 201, the Administrative Authority may approve plumbing fixtures and fixture fittings, not listed by either the International Association of Plumbing and Mechanical Officials or the Canadian Standards Association, PROVIDED the products meet the testing, and marking and labeling requirements listed in WAC 51-26-1803, 1810, and 1820.

The State Building Code Council will publish and distribute a current list of fixtures and fixture fittings that meet the standards listed within Chapter 18 and have been listed with either the International Association of Mechanical and Plumbing Officials or the Canadian Standards Association.

NEW SECTION

WAC 51-26-1840 Implementation. Sec. 1840. (a) The standards for water efficiency and labeling contained within WAC 51-26-1803, 51-26-1810, and 51-26-1820 shall be in effect as of July 1, 1993, as provided in RCW 19.27.170.

(b) No individual, public or private corporation, firm, political subdivision, government agency, or other legal entity, may, for purposes of use in the state of Washington, distribute, sell, offer for sale, import, install, or approve for installation any plumbing fixtures or fittings unless the fixtures or fittings meet the standards as provided for in this chapter.

NEW SECTION

WAC 51-26-1845 Amendments. Sec. 1845. The water conservation performance standards contained within this chapter supersede all local government codes. Towns and counties shall not amend the code revisions and standards established herein.

REPEALER

The following section of the Washington Administrative Code is repealed:

WAC 51-26-1805 Implementation.