

**CITY OF SEATTLE**

**ORDINANCE** \_\_\_\_\_

**COUNCIL BILL** \_\_\_\_\_

AN ORDINANCE relating to the Seattle Plumbing Code, repealing Section 22.500.010 of the Seattle Municipal Code, amending Section 22.502.016 of the Seattle Municipal Code; and adopting by reference Chapter 51-56 of the Washington Administrative Code, and amending certain of those chapters; adopting a new Chapter 1 related to administration, permitting and enforcement; and repealing Sections 2-46 of Ordinance **119774**.

**BE IT ORDAINED BY THE CITY OF SEATTLE AS FOLLOWS:**

Section 1. Section 22.500.010 of the Seattle Municipal Code is repealed.

Section 2. Section 22.502.016 of the Seattle Municipal Code is amended as follows:

**22.502.016 Adoption of Plumbing Code and Administrative Amendments**

The Seattle Plumbing Code consists of: 1) Chapter 51-56 of the Washington Administrative Code in effect on July 1, 2016; 2) the amendments and additions to that Chapter adopted by City Council by ordinance; and 3) Chapter 1 adopted by City Council by ordinance. One copy of Chapter 51-56 of the Washington Administrative Code in effect on July 1, 2016, is filed with the City Clerk in C.F. \_\_\_\_\_.

Section 3. The following sections of WAC 51-56-0200 are amended as follows:

**CHAPTER 2**

**DEFINITIONS**

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210.0

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**High Distribution Uniformity.** A higher than average measurement indicating the evenness with which water is applied to the landscape by an irrigation system.

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Section 4. The following sections of WAC 51-56-0400 are amended as follows:

#### CHAPTER 4

#### PLUMBING FIXTURES AND FIXTURE FITTINGS.

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**403.7 Trap priming water.** Trap primers serving floor drains located in rooms that contain fixtures served by a nonpotable water system complying with Chapter 16 or 17 shall also be served by the nonpotable water system.

**403.7.1 Volume limitation.** Trap primers shall not use more than 30 gallons per year per trap.

**403.8 Automatic In-Ground Irrigation System Design and Installation.** Automatic in-ground irrigation systems shall comply with Sections 403.8.1 through 403.8.3.

**403.8.1** Automatic in-ground irrigation systems shall have an automatic clock, electric valves, and the ability to sense rainfall. The component used to sense rainfall shall be exposed to weather and comply with either Item 1 or 2:

1. Interrupt the circuit to the valve to stop the irrigation clock from watering after a rainfall event, or
2. Reduce irrigation timing based on the amount of rainfall.

**Exception:** The following landscaped areas are exempt from this Section 403.8.1:

1. Landscaped areas located where they do not receive natural precipitation.

2. Landscaped areas requiring irrigation for only one year of plant establishment before the irrigation system is decommissioned or removed.

3. Plant nurseries.

**403.8.2 Automatic in-ground irrigation systems shall include the following where applicable:**

1. Low precipitation rate, *high distribution uniformity* rotary nozzles for sprinklers.

2. All irrigation sprinklers within each zone should have matched precipitation rates.

3. A mainline master valve shall be installed when water for irrigating is municipally supplied.

4. Sprinklers with internal check valves.

5. Sprinklers shall have a pop up height of not less than 4 inches.

**403.8.3 Landscaped areas greater than 30,000 square feet shall also comply with the following:**

1. Automatic in-ground irrigation systems shall not direct water onto building exterior surfaces, foundations, or exterior paved surfaces, or generate runoff or overspray.

2. Automatic in-ground irrigation systems shall use controllers to automatically adjust irrigation schedules to changes in evapotranspiration or plant water need through soil moisture or climatological inputs.

3. Except for centrally controlled automatic in-ground irrigation systems using weather or soil moisture to automatically adjust irrigation run-times, each required technology shall be WaterSense labeled if the WaterSense label is available for that technology.

4. Irrigation zones shall be based on plant water needs with plants or similar needs grouped together. Turfgrass shall not be grouped with other plantings in the same zone.

5. All sprinklers and micro-irrigation zones shall comply with manufacturer's specifications for recommended operating pressure.

6. Sprinklers head spacing shall comply with manufacturers specifications.

7. Automatic in-ground irrigation systems shall include a flow sensor, master valve, and smart controller combination that shuts off the valve where abnormal water flow is

detected, identifies the location of the abnormal water flow, and signals that there is a flow change at the controller.

8. The sprinkler application rate shall be less than or equal to 0.5 inch per hour on slopes greater than 1 unit vertical to 4 units horizontal (25% slope).

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Section 5. The following sections of Chapter WAC 51-56-0500 are amended as follows:

## CHAPTER 5

### WATER HEATERS

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TABLE 501.1

#### FIRST HOUR RATING<sup>1,3</sup>

Number of Bathrooms	1 to 1.5			2 to 2.5				3 to 3.5			
	1	2	3	2	3	4	5	3	4	5	6
Number of Bedrooms											
First Hour Rating <sup>2</sup> , Gallons	42	54	54	54	67	67	80	67	80	80	80

Notes:

1. The first hour rating is found on the "Energy Guide" label.
2. Solar water heaters shall be sized to meet the appropriate first hour rating as shown in the table.
3. For replacement water heaters, see Section 106.1.

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~~((507.17 Extra Device or Attachment. No device or attachment shall be installed on an appliance that is capable of impairing the combustion of gas. [NFPA 54:9.1.15]))~~

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Section 6. The following sections of Chapter WAC 51-56-0600 are amended as follows:

## CHAPTER 6

### WATER SUPPLY AND DISTRIBUTION

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**608.5 Discharge Piping.** The discharge piping serving a temperature relief valve, pressure relief valve, or combination of both shall have no valves, obstructions, or means of isolation and be provided with the following:

- (1) Equal to the size of the valve outlet and shall discharge full size to the flood level of the area receiving the discharge and pointing down.
- (2) Materials shall be rated at not less than the operating temperature of the system and approved for such use.
- (3) Discharge pipe shall discharge independently by gravity through an air gap into the drainage system or outside of the building with the end of the pipe not exceeding 2 feet (610 mm) and not less than 6 inches (152 mm) above the ground and pointing downwards.
- (4) Discharge in such a manner that does not cause personal injury or structural damage.
- (5) No part of such discharge pipe shall be trapped or subject to freezing.
- (6) The terminal end of the pipe shall not be threaded.
- (7) Discharge from a relief valve into a water heater pan shall be prohibited.
- (8) Relief valve drains shall not terminate in a crawl space.

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Section 7. The following sections of WAC 51-56-0800 are amended as follows:

## CHAPTER 8

### INDIRECT WASTES.

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**813.1.1 Swimming pool splash troughs.** Swimming pool splash troughs shall discharge to the pool water system in accordance Section R14.04.110 of the King County Board of Health Code.

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Section 8. The following section of WAC 51-56-1000 is amended as follows:

## CHAPTER 10

### TRAPS AND INTERCEPTORS

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**1018.0 Parking Garage Drainage Systems.** All floor drainage under the roof of a parking garage shall be connected to the sanitary drainage system through the use of a sand interceptor. When the top floor of the building is used as a roof as well as a parking area, the drainage from the roof shall be connected to the storm drainage system. Drainage from conventional plumbing fixtures shall not be interconnected with the floor drainage system. However, drainage lines from car or truck washing equipment may be connected to the floor drainage system through an approved sand interceptor. Floor drainage waste lines shall be a minimum of three inches in diameter. Waste unit loading for three-inch or larger diameter floor drainage piping shall be sized in accordance with Table 703.2. Floor drains or floor drain openings shall be equipped with approved strainers and need not be trapped when connected to the building drain through a properly trapped and vented sand interceptor. Traps shall not be used when the floor drains are located in areas exposed to freezing temperatures. The waste line from floor drains entering a sand interceptor shall be above the waste line discharging from the sand interceptor to the building drain. The sand interceptor receiving the floor drains shall have a water seal of not less than six inches. Floor drain traps need not be vented individually if line venting is used through an approved indirect waste system with a properly trapped and vented sand interceptor. A line vent for floor drains shall terminate through the roof or to an approved location in the outside atmosphere. When using line venting, the terminating vents, if more than one, shall be equal in cross sectional area to the size of the waste line entering the sand interceptor or the line vent may continue full-size from the sand interceptor to the point of termination. All plans for parking garage floor drainage systems shall be submitted to the Authority Having Jurisdiction prior to installation for approval.

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