

**15 DAY EXPRESS TERMS  
FOR  
PROPOSED BUILDING STANDARDS  
OF THE  
CALIFORNIA BUILDING STANDARDS COMMISSION (CBSC)  
REGARDING ADOPTION OF THE  
2012 UNIFORM PLUMBING CODE (UPC) FOR THE  
CALIFORNIA CODE OF REGULATIONS (CCR), TITLE 24, PART 5  
2013 CALIFORNIA PLUMBING CODE**

**Legend for Express Terms:**

1. **45-day California amendment:** Amended California language will appear with new words underlined, and omitted language will appear in ~~strikeout~~.
2. **15-day Amended, adopted, or repealed language:** Amended, adopted, or repealed language will appear in double underline and ~~double-strikeout~~.
3. **Rationale:** The justification for the change is shown after each section or series of related changes.
4. **Notation:** Authority and reference citations are provided in the 45-day express terms.

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**Rainwater Catchment System** *A facility designed to capture, retain, and store rainwater flowing off a building, parking lot, or any other manmade impervious surface rooftop for subsequent onsite use. Rainwater catchment system is also known as "Rainwater Harvesting System" or "Rainwater Capture System."*

**Rationale for change:**

During the 45 day comment period AB 1750 was signed into law which was amended in the last days of the legislative cycle and significantly altered the definition of "Rainwater". This law, the "Rainwater Capture Act of 2012" defines "Rainwater Catchment System", which limits rainwater collected on a building site to only rainwater captured from building rooftops, due to existing California water rights law. CBSC has modified the proposed definition of Rainwater Catchment System for consistency with AB 1750 and to align with HCD's proposed 15 Day code change.

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**1602.1.2 Simple System.** *Simple systems exceed a clothes washer system and shall comply with the following:*

1. *The discharge capacity of a gray water system shall be determined by Section 1602.8. Simple systems have a discharge capacity of 250 gallons (947 L) per day or less.*
2. *Simple systems shall require a construction permit, unless exempted from a construction permit by the Enforcing Agency. The Enforcing Agency shall consult with the water purveyor for any public water system (as defined in Health and Safety Code, Section 116275) providing drinking water to the dwelling or non-residential structure before allowing an exemption from a construction permit.*
3. *The design of simple systems shall meet generally accepted gray water system design criteria.*

**1602.1.3 Complex System.** *Any gray water system that is not a clothes washer system or simple system shall comply with the following:*

1. *The discharge capacity of a gray water system shall be determined by Section 1602.8. Complex systems have a discharge capacity over 250 gallons (947 L) per day.*
2. *Complex systems shall require a construction permit, unless exempted from a construction permit by the Enforcing Agency. The Enforcing Agency shall consult with the water purveyor for any public water system (as defined in Health and Safety Code, Section 116275) providing drinking water to the dwelling or non-residential structure before allowing an exemption from a construction permit.*

**Rationale:**

During the 45 day public comment period, CBSC discovered an editorial oversight. CBSC intended to align with HCD's water purveyor language. Additionally CBSC is adding language to clarify nonresidential applications for both systems.

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**1602.9.2 Gray Water Pipe and Fitting Materials.** Aboveground and underground building drainage and vent pipe and fittings for gray water systems shall comply with the requirements for aboveground and underground sanitary building drainage and vent pipe and fittings in this code. These materials shall extend not less than 2 feet (610 mm) outside the building.

**Rationale:**

CBSC received comments during the 45 day comment period requesting the model language of the above referenced section be adopted to clearly identify the material requirements for gray water piping. The commenter also stated that this section is consistent with the 2010 CPC Section 1610A.1 which contained reference to sections 604.0, 605.0, and 606.0 of the model code which identify the requirements for plumbing pipe, valve, and fitting materials. CBSC agrees with the comments and proposes adopt model code language. This concurs with HCD's proposed 15 Day code change.

~~1602.9.2 Animals and Insects~~ **1602.9.3 Animals and Insects. (No Change to Text)**

~~1602.9.3 Freeze Protection~~ **1602.9.4 Freeze Protection (No Change to text)**

**Rationale:**

CBSC proposes to renumber the above referenced sections based on the proposed adoption of model code section 1602.9.2 which causes these sections to be changed to a different number.

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**1602.11.2 Irrigation Field.** *The provisions of this section are not intended to prevent the use of any appropriate material, appliance, installation, device, design or method of construction. If an alternate design is not available, the following provisions may be used as guidance in the design of a gray water irrigation field:*

Item 1-5 (No Changes to text)

~~(6) Where pressure at the discharge side of the pump exceeds 20 psi (138 kPa), a pressure-reducing valve able to maintain downstream pressure no greater than 20 psi (138 kPa) the maximum operating pressure of the installed tubing, emitters, or other components shall be installed downstream from the pump and before any emission device.~~

~~(7) Each irrigation zone shall include a flush valve/antisiphon valve to prevent back siphonage of water and soil.~~

~~(7) When an irrigation system utilizes a pump, and discharges water at a point higher than the pump, a backwater valve shall be installed downstream of the pump to prevent back siphonage of water and soil.~~

**Rationale:**

During the 45 day public comment period, HCD received comments to amend item (6) of Section 1602.11.2 to not limit the pressure of gray water irrigation systems to 20 psi maximum, and that limiting these systems to 20 psi could prevent some systems from being installed, especially when the irrigation zone is higher than the pump. HCD additionally received a comment regarding item (7) in Section 1602.11.2 which require Flush Valves and Antisiphon Valves on gray water irrigation zones.

CBSC concurs with these proposed changes and has modified language to align with HCD's proposed 15 Day code change.

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**1604.10 Design and Installation.** The design and installation of on-site treated nonpotable gray water systems shall be in accordance with Section 1604.10.1 through Section ~~1604.10.5~~ **1604.10.6.**

**Rationale:**

During the 45 day public comment period, HCD discovered an editorial oversight. HCD proposed during the 45 day public comment period to add a new section (1604.10.6 Disinfection) and intended for 1604.10 to include this California amendment as part of the design and installation requirements specified therein. The requirements of Section 1604.10.6 which provide the residual chlorine testing criteria where chlorine is used for disinfection were proposed in the initial development of Chapter 16, taking language from the 2012 IGCC which provides additional guidance for onsite treated nonpotable graywater. CBSC has modified language to align with HCD's proposed 15 Day code change.

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**1702.8 Rainwater Catchment System Color and Marking Information.** Rainwater catchment systems shall have a colored background in accordance with Section 601.2. Rainwater catchment systems shall be marked, in lettering in accordance with Section 601.2, with the words: "CAUTION: NONPOTABLE **RAINWATER** WATER, DO NOT DRINK."

**Rationale:**

CBSC proposed removing "rainwater" to eliminate the duplicative language. CBSC has since learned then next UPC edition will correct this duplicative language. Therefore CBSC chooses to align with HCD and leave the existing language until model code includes the revision. During the Code Advisory Committee meeting it was determined to maintain model code language and this edit was withdrawn by HCD and CBSC. CBSC received comments during the 45 Day comment period to remove the duplicate language. While CBSC agrees with the comments, CBSC's chooses to wait for the updated model code and adopt it at that time.

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~~**1702.9.3 Collection Surfaces.** Rainwater shall be collected from roof surfaces, or other manmade, above ground impervious collection surfaces. Rainwater collected from surface water runoff, vehicular parking surfaces or manmade surfaces at or below grade shall comply with the water quality requirements for on site treated nonpotable gray water in Section 1604.0.~~

~~**Exception:** Collected rainwater or storm water used exclusively for subsurface landscape irrigation.~~

**1702.9.3 Collection Surfaces.** Rainwater shall be collected only from building roof surfaces.

**Rationale for change:**

During the 45 day comment period AB 1750 was signed into law which was amended in the last days of the legislative cycle. This law, the "Rainwater Capture Act of 2012" defines "Rainwater Catchment System", which limits rainwater collected on a building site to only water captured from building rooftops, due to existing California water rights laws. CBSC has modified the proposed definition of Rainwater Catchment System for consistency with AB 1750 and has modified language to align with HCD's proposed 15 Day code change.

**Notation**

Authority: Health & Safety Code Sections 18928 and 18934.5  
Reference(s): Health & Safety Code Sections 18928, 18928.1 and 18934.5