APPROVED BY THE CALIFORNIA BUILDING STANDARDS COMMISSION

DECEMBER 17, 2024

# FINAL EXPRESS TERMS FOR PROPOSED BUILDING STANDARDS OF THE CALIFORNIA BUILDING STANDARDS COMMISSION REGARDING THE 2025 CALIFORNIA PLUMBING CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 5 (BSC 02/24)

The state agency shall draft the regulations in plain, straightforward language, avoiding technical terms as much as possible and using a coherent and easily readable style. The agency shall draft the regulation in plain English. A notation shall follow the express terms of each regulation listing the specific statutes authorizing the adoption and listing specific statutes being implemented, interpreted, or made specific (Government Code Section 11346.2(a)(1)).

If using assistive technology, please adjust your settings to recognize underline, strikeout, italic and ellipsis.

## LEGEND for EXPRESS TERMS (Based on model codes - Parts 2, 2.5, 3, 4, 5, 9, 10)

* Model Code language appears upright
* Existing California amendments appear in *italic*
* Amended model code or new California amendments appear *underlined & italic*
* Repealed model code language appears ~~upright and in strikeout~~
* Repealed California amendments appear in *~~italic and strikeout~~*
* Ellipses ( …) indicate existing text remains unchanged

## FINAL EXPRESS TERMS

### ITEM 1 Chapter 1, *Division I-California Administration &* Division II-Administration

[BSC proposes to bring forward existing California amendments in Chapter 1, Division I, Sections 1.1.0 through 1.2.3.2 from the 2022 California Plumbing Code for adoption into the 2025 edition of the California Plumbing Code (CPC) with modification shown in Item 1-1 below.

BSC proposes to bring forward existing California amendment in Chapter 1 Division II Section 104.4.3.1 only into the 2025 CPC.]

#### ITEM 1-1 Section *1.1.1 Title*

***1.1.1 Title****. These regulations shall be known as the California Plumbing Code, may be cited as such and will be referred to herein as “this code.” The California Plumbing Code is Part 5 of thirteen parts of the official compilation and publication of the adoption, amendment, and repeal of plumbing regulations to the California Code of Regulations, Title 24, also referred to as the California Building Standards Code. This part incorporates by adoption the ~~2021~~ 2024 Uniform Plumbing Code of the International Association of Plumbing and Mechanical Officials with necessary California amendments.*

#### Notation:

Authority: Health and Safety Code Sections 18928, 18928.1, 18934.5, 18949.6

Reference(s): Health and Safety Code Sections 18928, 18934.5, 18949.6

### ITEM 2 Chapter 2, Definitions

[BSC proposes to adopt Chapter 2 from the 2024 UPC and carry forward existing amendments in Sections 203.0, 205.0, 206.0, 207.0, 209.0, 211.0, 215.0, 217.0, 220.0, 221.0, and 222.0 without change from the 2022 CPC into the 2025 CPC with modifications to code as follows:]

**206.0 -D-**

#### ITEM 2-1 Section 206.0, Diverter Valve, On-Site Treated Nonpotable Water & Diverter Valve, Rainwater

[BSC proposes to not adopt definitions shown below.]

**~~Diverter Valve, On-Site Treated Nonpotable Water.~~** ~~A component in the collection system to control inflow and overflow in collection tanks intended for on-site treatment and direct beneficial use.~~

**~~Diverter Valve, Rainwater.~~** ~~A component in commercial rainwater catchment systems to control high inflow and overflow volumes in rainwater storage tanks.~~

#### Notation:

Authority: Health and Safety Code Sections 18928, 18928.1, 18930.5, 18934.5, 18940.5, 18941.8, 18949.6

Reference(s): Health and Safety Code Section 18928, 18928.1, 18930.5, 18934.5, 18940.5, 18941.8, 18949.6, Water Code Section 14877.1

### ITEM 3 Chapter 3, General Regulations

[BSC proposes to adopt the 2024 UPC Chapter 3 without amendments into the 2025 CPC.]

#### Notation:

Authority: Health & Safety Code Sections 18928, 18928.1, 18934.5, 18949.6

Reference(s): Health & Safety Code Sections 18928, 18928.1, 18934.5, 18949.6

### ITEM 4 Chapter 4, Plumbing Fixtures and Fixture Fittings

[BSC proposes to adopt the 2024 UPC Chapter 4 (for BSC and BSC-CG, as applicable), and to carry forward existing California amendments in Sections 407.2.4.1, 408.2.2, 411.2.2.1, 411.2.4, 412.1.1, 412.1.2, 412.1.3, 412.1.4.1, 417.1.1, 417.1.2, 422.1 and Table 4-1 from the 2022 CPC into the 2025 CPC with new amendments shown below.]

#### ITEM 4-1 Section 401.3 Water Conserving Fixtures and Fittings

***401.3 Water-Conserving Fixtures and Fittings.***

***Note 1: [BSC-CG,]*** *Flow rates for specified plumbing fixtures for mandatory nonresidential construction are contained in …*

***Note 2: [BSC-CG]*** *On and after January 1, 2014, certain commercial real property, as defined in Civil Code Section 1101.3, shall have its noncompliant …*

#### ITEM 4-2 Section 408.3 Water Consumption

**408.3 Water Consumption.** Showerheads shall have a maximum flow rate of not more that *1.8* gpm at 80 psi (*6.81* L/m at 552 kPa). Body sprays shall have a flow rate of not more than ~~2.5~~ *1.8* gpm at 80 psi (~~9.5~~ *6.81* L/m at 552 kPa). *Nonresidential bodysprays shall comply with the showerhead requirements in Division 5.3 of CALGreen.*

#### ITEM 4-3 Section 408.3.1 & 408.3.2 Single Showerhead & Multiple Showheads Serving one Shower

***~~408.2.1~~ 408.3.1 Single Showerhead [BSC-CG].*** *Showerheads shall have a …*

***~~408.2.2~~ 408.3.2 Multiple Showerheads Serving One Shower [BSC-CG].*** *When a shower is served by more than …*

#### ITEM 4-4 Section 420.2.1 Kitchen Faucets

***420.2.1 Kitchen Faucets [BSC-CG].*** *Kitchen faucets shall have a maximum flow rate of not more than 1.8 gallons (6.81 L) per minute at 60 psi (414 kPa). Kitchen faucets may temporarily increase the flow above the maximum rate, but not to exceed 2.2 gallons (8.3 L) per minute at 60 psi (414 kPa), and must default to a maximum flow rate of 1.8 gallons (6.81 L) per minute at 60 psi (414 kPa) in compliance with Chapter 5, Division 5.3 of the California Green Building Standards Code (CALGreen).*

#### ITEM 4-5 Section 420.3.1 Pre-Rinse Spray Valves

***~~420.3.1 Pre-Rinse Spray Valves. [BSC-CG]~~*** *~~When installed, shall meet the~~**~~requirements in the California Code of Regulations, Title~~**~~20 (Appliance Efficiency Regulations), Section~~**~~1605.1(h)(4)~~ ~~Table H-2, Section 1605.3(h)(4)(A), and Section 1607(d)(7), and shall be equipped with an integral~~**~~automatic shutoff.~~*

***~~FOR REFERENCE ONLY:~~*** *~~The following table and code section have been reprinted from the California Code of Regulations, Title 20 (Appliance Efficiency Regulations), Section 1605.1(h)(4) and Section 1605.3(h)(4)(A).~~*

***~~Table H-2~~***

***~~STANDARDS FOR COMMERCIAL PRE-RINSE SPRAY VALVES   
MANUFACTURED ON OR AFTER JANUARY 28, 2019~~*~~.~~**

|  |  |
| --- | --- |
| ***~~PRODUCT CLASS  (spray force in ounce force (ozf))~~*** | ***~~MAXIMUM FLOW RATE (gpm)~~*** |
| *~~Product Class 1~~* ***~~(≤ 5.0 ozf)~~*** | *~~1.00~~* |
| *~~Product Class 2 (> 5.0 ozf and~~* ***~~≤ 8.0 ozf)~~*** | *~~1.20~~* |
| *~~Product Class 3 (>~~* ***~~8.0 ozf)~~*** | *~~1.28~~* |

*~~Title 20 Section 1605.3(h)(4)(A): Commercial pre-rinse spray valves manufactured on or after January 1, 2006, shall have a minimum spray force of not less than 4.0 ounces-force (ozf) [113 grams-force (gf)].~~*

#### ITEM 4-6 Section 422.1.1 Fixture Calculations

**422.1.1 Fixture Calculations.** The minimum number of fixtures shall be calculated at 50 percent male and 50 percent female based on the total occupant load. Where information submitted indicates a difference in the distribution of the sexes such information shall be used to determine the number of fixtures for each sex. Once the occupancy load and occupancy are determined, Table 422.1 shall be applied to determine the minimum number of plumbing fixtures required. Where applying the fixture ratios in Table 422.1 results in fractional numbers, such numbers shall be rounded to the next whole number. For multiple occupancies, fractional numbers shall be first summed and then rounded to the next whole number. ***~~[BSC]~~*** *~~For toilet facilities designed for use by all genders, the minimum number of fixtures shall be the aggregate calculated at 50 percent female and 50 percent male in accordance with Table 422.1. Where multi-user all-gender facilities are provided in lieu of or in addition to separate men’s and women’s facilities, the total number of fixtures collectively shall be used to determine the number of fixtures provided in an occupancy.~~* For toilet facilities designed for use by all genders, the minimum number of fixtures shall be the aggregate calculated at 50 percent female and 50 percent male in accordance with Table 422.1. Where all-gender fixtures are provided in addition to separate men’s and women’s facilities, those fixtures shall be included in determining the number of fixtures provided in an occupancy.***[BSC]*** *The substitution of a water closet for each urinal shall be permitted provided the total number of fixtures installed complies with Table 422.1.*

#### ITEM 4-7 Section 422.2 Separate Facilities

**422.2 Separate Facilities.** Separate toilet facilities shall be provided for each sex.

**Exceptions:**

(1) …

(4) ***~~[BSC]~~*** *~~Separate facilities shall not be required where rooms have fixtures designed for use by all genders and the water closets are installed in privacy compartments. Urinals, when installed, shall be located in a privacy compartment or separate private area. Each compartment door shall be lockable from the inside of the compartment, with a door locking device that is readily distinguishable as locked from the outside of the compartment. Privacy compartments and doors which are not full height or floor to ceiling may be permitted by the enforcing agency.~~* Separate Facilities shall not be required where rooms have fixtures designed for use by both sexes and the water closets are installed in privacy compartments. Urinals shall be located in a privacy compartment ***[BSC]****, as defined, or separate private area and be visually separated from the remainder of the room. Water closet and urinal compartments shall comply with sections 422.6 and 422.7 respectively*.

#### ITEM 4-8 Section 422.6 Water Closet Compartment

**422.6 Water Closet Compartment.** Public water closets shall occupy a separate compartment with walls or partitions and a door enclosing the fixtures to ensure privacy. Partitions for water closets located in separate gender toilet or bathrooms shall comply with the Type B security requirements of IAPMO Z124.20. Partitions for water closets located in all gender toilet or bathrooms shall comply with Type A Security Requirements of IAPMO Z124.10.

**Exceptions:**

(1) Water closet compartments shall not be required in a single-occupant toilet room having a lockable door.

(2) Toilet rooms in day care facilities having more than one water closet without an enclosing compartment.

*(3)* ***[BSC].*** *Type A Security Requirements of IAPMO Z124.10 in all gender toilet or bathrooms shall not be allowed. Compartments for water closets located in all-gender multi-user bathrooms shall be privacy compartments, as defined. Each compartment door shall be lockable from the inside of the compartment, with a door locking device that is readily distinguishable as locked from the outside of the compartment. Privacy compartments and doors which are not full height or floor to ceiling may be permitted by the enforcing agency.*

#### ITEM 4-9 Section 422.7 Urinal Partitions

**422.7 Urinal Partitions.** Each urinal shall be separated with walls or partitions to provide privacy. The horizontal dimension between walls or partitions at each urinal shall comply with Section 402.5. Partitions for urinals shall comply with the Type C Security requirements of IAPMO Z124.10. Walls or partitions shall extend from not less than 12 inches (305 mm) above the finished floor to not less than 60 inches (1524 mm) above the finished floor. Walls shall extend outward from the wall surface not less than 18 inches (457 mm). Urinals located in all gender toilet rooms shall be visually separated from the remainder of the room or each urinal shall be installed in a privacy compartment complying with Type A security requirements of IAPMO Z124.10.

**Exception*s***:

1. Urinal partitions shall not be required in a single occupant or family assisted-use toilet room with a lockable door.
2. ***[BSC].*** *Type A Security Requirements of IAPMO Z124.10 in all gender toilet rooms shall not be allowed. Urinals in all gender toilet rooms not located in a separate private area shall be privacy compartments, as defined. Each compartment door shall be lockable from the inside of the compartment, with a door locking device that is readily distinguishable as locked from the outside of the compartment. Privacy compartments and doors which are not full height or floor to ceiling may be permitted by the enforcing agency.*

#### ITEM 4-10 TABLE 422.1 MINIMUM PLUMBING FACILITIES

**TABLE 422.1 MINIMUM PLUMBING FACILITIES1**

Each building shall be provided with sanitary facilities, including provisions for persons with disabilities as prescribed by the Department Having Jurisdiction.*~~6~~ 8*Table 422.1 applies to new buildings, additions to a building, and changes of occupancy or type in an existing building resulting in increased occupant load.

*…*

**Notes:**

***~~6~~ 8 [BSC]*** *In accordance with Sections 1.8.7 and 301.3, the Authority …*

#### Notation:

Authority: Health & Safety Code Sections 18928, 18928.1, 18930.5, 18934.5, 18940.5, 18949.6

Reference(s): Health & Safety Code Sections 18928, 18928.1, 18930.5, 18934.5, 18940.5, 18949.6.

### ITEM 5 Chapter 5, Water Heaters

[BSC proposes to adopt the 2024 UPC Chapter 5 without amendment into the 2025 CPC.]

#### Notation:

Authority: Health & Safety Code Sections 18928, 18928.1, 18934.5, 18941.8, 18949.6

Reference(s): Health & Safety Code Sections 18928, 18928.1, 18934.5, 18949.6

### ITEM 6 Chapter 6, Water Supply and Distribution

[BSC proposes to adopt the 2024 UPC Chapter 6 (for BSC and BSC-CG, as applicable) and carry forward existing California amendments in Sections 601.2*,* 601.3.3, Table 604.1, 604.13, 605.9, 605.10, 605.10.1, 605.10.1.1 and Table 610.3 from the 2022 CPC into the 2025 CPC, and to add new minor modification as listed below.]

#### ITEM 6-1 Section 605.9.1 Fittings

**605.9.1 Fittings.** Fittings for PEX tubing shall comply with the applicable standards referenced in Table 604.1. PEX tubing that complies with ASTM F876 shall be marked with the applicable standard designation for the fittings, specified by the tubing manufacturer for use with the tubing. *Brass fittings used with PEX tubing shall meet or exceed ~~NSF 14-~~ NSF/ANSI 14 standards to prevent dezincification and stress crack corrosion.* ***…***

#### Notation:

Authority: Health & Safety Code Sections 18928, 18928.1, 18930.5, 18934.5, 18940.5, 18941.8, 18949.6

Reference(s): Health & Safety Code Sections 18928, 18928.1, 18930.5, 18934.5, 18940.5, 18941.8, 18949.6

### ITEM 7 Chapter 7 Sanitary Drainage Chapter 8 Indirect Wastes Chapter 9 Vents

[BSC proposes to adopt the entire Chapters 7, 8, 9 of the 2024 UPC into the 2025 CPC without amendments.]

#### Notation:

Authority: Health & Safety Code Sections 18928, 18928.1, 18934.5, 18949.6

Reference(s): Health & Safety Code Sections 18928, 18928.1, 18934.5, 18949.6

### ITEM 8 Chapter 10 Traps and Interceptors

[BSC proposes to adopt the 2024 UPC Chapter 10 and carry to forward existing California amendment from the 2022 CPC into the 2025 CPC with minor modification.]

#### ITEM 8-1 Section 1003.1 General Requirements

**1003.1 General Requirements.** Each trap, except for traps within an interceptor or similar device shall be self-cleaning. Traps for bathtubs, showers, lavatories, sinks, laundry sinks, floor drains, urinals, drinking fountains, dental units, and similar fixtures shall be of standard design, weight and shall be of ABS, cast-brass, cast-iron, lead, PP, PVC, or other approved material. An exposed and readily accessible drawn-copper alloy tubing trap, not less than 17 B & S Gauge (0.045 inch) (1.143 mm), shall be permitted to be used on fixtures discharging domestic sewage.

**Exception*s*:**

*(1)* Drawn-copper alloy tubing traps …

*(2)…*

#### Notation:

Authority: Health & Safety Code Sections 18928, 18928.1, 18934.5, 18949.6

Reference(s): Health & Safety Code Sections 18928, 18928.1, 18934.5, 18949.6

### ITEM 9 Chapter 11 Storm Drainage

[BSC proposes to adopt the 2024 UPC Chapter 11 and carry forward existing California amendment Section 1101.4 from the 2022 CPC into the 2025 CPC.]

#### Notation:

Authority: Health & Safety Code Sections 18928, 18928.1, 18934.5, 18949.6

Reference(s): Health & Safety Code Sections 18928, 18928.1, 18934.5, 18949.6

### ITEM 10 Chapter 12 Fuel Gas Piping

[BSC proposes to adopt the 2024 UPC Chapter 12 without amendment into the 2025 CPC.]

#### Notation:

Authority: Health & Safety Code Sections 18928, 18928.1, 18934.5, 18949.6

Reference(s): Health & Safety Code Sections 18928, 18928.1, 18934.5, 18949.6

### ITEM 11 Chapter 13 Health Care Facilities and Medical Gas and Medical Vacuum Systems Chapter 14 Fire Stop Protection, Section

[BSC proposes to not adopt Chapter 13 and Chapter 14 of the 2024 UPC into the 2025 CPC.]

#### Notation:

Authority: Health & Safety Code Sections 18928, 18928.1, 18934.5, 18949.6.

Reference(s): Health & Safety Code Sections 18928, 18928.1, 18934.5, 18949.6.

### ITEM 12 Chapter 15 Alternate Water Sources for Nonpotable Application

[BSC proposes to adopt the 2024 UPC Chapter 15 (for BSC and BSC-CG, as applicable), and to carry forward existing California amendments in Sections 1501.1, 1501.2, 1501.3, 1501.5, Table 1501.5, 1501.5.1, 1501.6, 1501.9, 1501.9.1, 1501.9.2, 1502.1, 1502.3, 1502.3.2, 1502.3.3, 1503.0, 1503.1, 1503.1.2 – 1503.1.3, 1503.2 – 1503.2.3, 1503.3, 1503.4, Table 1503.4, 1503.8, 1503.8.2, 1503.8.2.1 – 1503.8.2.3, 1503.8.3, 1503.9, 1503.9.3 – 1503.9.4, Table 1504.2, 1504.3, 1504.5 – 1504.5.3, Table 1504.5.3, 1504.8, 1504.9.1, 1506.0, 1506.1, 1506.2, 1506.3, 1506.4, 1506.7, 1506.8, 1506.9 – 1506.9.5, 1506.11 and 1506.12 from the 2022 CPC into the 2025 CPC, and propose new modifications as follows.]

#### ITEM 12-1 Section 1501.7 Minimum Water Quality Requirements

**1501.7 Minimum Water Quality Requirements**. ***[BSC-CG, HCD 1, DWR]*** The minimum water quality for alternate water source systems shall meet the applicable water quality requirements for the intended application as determined by the Authority Having Jurisdiction. In the absence of water quality requirements, for on-site treated nonpotable systems, the water quality requirements of IAPMO IGC 324 or NSF/ANSI 350 shall apply. ***[BSC-CG & HCD 1]*** *Water quality requirements for on-site treated nonpotable graywater shall comply with this section and Section ~~1506.9.2~~ 1506.10.2.*

**Exception*s****: …*

#### ITEM 12-2 Section 1503.6 Prohibited Location

**1503.6 Prohibited Location.** Where there is insufficient lot area or inappropriate soil conditions for adequate absorption ~~to prevent the ponding, surfacing, or runoff of the gray water, as determined by the Authority Having Jurisdiction~~, no gray water system shall be permitted. ~~A gray water system is not permitted on a property in a geologically sensitive area as determined by the Authority Having Jurisdiction.~~

#### ITEM 12-3 Section 1503.7 Drawings and Specifications

**1503.7 Drawings and Specifications.** …

(2) Details of construction necessary to ensure compliance with the requirements of this chapter, together with a full description of the complete installation, including installation methods, construction, and materials ~~in accordance with the Authority Having Jurisdiction~~.

#### ITEM 12-4 Section 1506.5 Water Pressure

**1506.5 Water Pressure.** On-site treated non-potable *gray* water systems supplying water to water closets, urinals, and trap primers shall be capable of delivering not less than 15 pounds-force per square inch (psi) (103 kPa) residual pressure at the highest and most remote outlet served. Where the water pressure in the on-site treated non-potable *gray* water supply system within the building exceeds 80 psi (552 kPa), a pressure reducing valve reducing the pressure to 80 psi (552 kPa) or less to water outlets in the building shall be installed.

#### ITEM 12-5 Section 1506.10 Design and Installation.

**Section 1506.10 Design and Installation.** The design and installation of on-site treated nonpotable *gray water* systems shall be in accordance with Section 1506.10.1 through Section *~~1506.9.6~~ 1506.10.6*.

#### ITEM 12-6 Section 1506.10.2 Minimum Water Quality

**1506.10.2 Minimum Water Quality [*BSC-CG*].** On-site treated nonpotable *gray* water supplied to toilets or urinals or for other uses in which it is sprayed or exposed shall be disinfected. Acceptable disinfection methods shall include chlorination, ultraviolet sterilization, ozone, or other methods as approved by the Authority Having Jurisdiction. The minimum water quality for on-site treated nonpotable *gray* water systems shall meet the applicable water quality requirements for the intended applications as determined by the public health Authority Having Jurisdiction. *In the absence of local water quality requirements for on-site treated nonpotable gray water, the requirements of IAPMO IGC 324 or NSF/ANSI 350 shall apply.*

#### ITEM 12-7 Section 1506.10.6 Disinfection

***~~1506.9.6~~ 1506.10.6 Disinfection.*** *Where the intended use of onsite treated …*

#### Notation:

Authority: Health and Safety Code Sections 18928, 18928.1, 18930.5, 18934.5, 18940.5, 18941.8, 18949.6.

Reference(s): Health and Safety Code Section 18928, 18928.1, 18930.5, 18934.5, 18940.5, 18941.8, 18949.6, Water Code Section 14877.1.

### ITEM 13 Chapter 16 Nonpotable Rainwater Catchment Systems

[BSC proposes to adopt the the 2024 UPC Chapter 16 (for BSC and BSC-CG, as applicable), and to carry forward existing California amendments in Sections 1601.2, 1601.3, 1601.5, 1601.6, 1602.4, 1602.7, 1603.4, 1603.4.1, 1603.5, 1603.5.2, Table 1603.5, 1603.8, 1603.9, 1603.10, 1603.11 A & B, 1603.13, 1604.1 – 1604.3, 1605.3, 1605.3.2, 1605.3.3 from the 2022 CPC into the 2025 CPC and propose new modifications as follows.]

#### ITEM 13-1 Section 1601.7 Minimum Water Quality Requirements.

**1601.7 Minimum Water Quality Requirements.** The minimum water quality for rainwater catchment systems shall comply with the applicable water quality requirements for the intended application as determined by the Authority Having Jurisdiction. Water quality for nonpotable rainwater catchment systems shall comply with Section 1603.4. *In the absence of water quality requirements for harvested rainwater, Table ~~1603.5~~ 1603.4 shall apply.*

**Exceptions***: …*

#### ITEM 13-2 Section 1603.20 Rainwater Diversion Valves.

**1603.20 Rainwater Diversion Valves.** Rainwater diversion valves ranging from 2 inches (50 mm) through ~~4 inches (100 mm) in diameter shall comply with IAPMO PS 59. Rainwater diversion valves ranging from 6 inches (150 mm) to~~ 12 inches (300 mm) in diameter shall ~~comply with IAPMO IGC 352~~ *be an approved diverter valve*. Valves shall be *readily* accessible and include filter located upstream of the valve when required.

#### ITEM 13-3 Section 1603.4.1 Disinfection

***~~1603.5.2~~ 1603.4.1 Disinfection.*** *Where the initial quality …*

#### Notation:

Authority: Health and Safety Code Sections 18928, 18928.1, 18930.5, 18934.5, 18940.5, 18949.6.

Reference(s): Health and Safety Code Sections 18928, 18928.1, 18930.5, 18934.5, 18940.5, 18949.6.

### ITEM 14 Chapter 17 Referenced Standards 1701.1 & 1701.2

[BSC proposes to adopt the 2024 UPC Chapter 17 and carry forward existing California amendments from the 2022 CPC into the 2025 CPC with modifications as follows.]

#### ITEM 14-1 TABLE 1701.1 REFERENCED STANDARDS

|  |  |  |  |
| --- | --- | --- | --- |
| *ASTM D1253-2014* | *Standard Test Method for Residual Chlorine in Water* | *Miscellaneous* | *~~1506.9.6~~ 1506.10.6, ~~1603.5.2~~ 1604.5.1* |
| IAPMO IGC 324-2019 | Alternate Water Source Systems for Multi-Family, Residential, and Commercial Use | Water Quality | 1501.7, 1506.8, *1506.10.2*, 1603.4 |
| ~~IAPMO IGC 352-2020~~~~e1~~ | ~~Diverter Valves for use in Alternate Nonpotable Water Source System~~ | ~~Valves~~ | ~~1603.20~~ |
| ~~IAPMO PS 59-2016a~~~~e2~~ | ~~Wastewater Diverter/Bypass Valves and Diversion Systems~~ | ~~Fittings~~ | ~~1503.2.2, 1603.20~~ |
| NSF/ANSI 14-2020 | Plastic Piping System Components and Related Materials | Miscellaneous | 301.2.3, 604.4, *605.9.1,* 606.1 |
| NSF 350.2017a | Onsite Residential and Commercial Water Treatment Systems  ***Note:*** *NSF/ANSI 350, amended sections follow:*  ***5.6 Electrical Components.*** *Electrical components…The California Electrical Code shall be followed for all electrical components, system installation, and system operation.* | Miscellaneous | 1501.7, 1506.7, *~~1506.9.2~~ 1506.10.2* |

#### ITEM 14-2 TABLE 1701.2 REFERENCED STANDARDS

|  |  |  |
| --- | --- | --- |
| *IAPMO IGC 352-2020e1* | *Diverter Valves for use in Alternate Nonpotable Water Source System* | *Valves* |
| *IAPMO PS 59-2016ae2* | *Wastewater Diverter/Bypass Valves and Diversion Systems* | *Fittings* |

#### Notation:

Authority: Health and Safety Code Sections 18928, 18928.1, 18930.5, 18934.5, 18940.5, 18941.8, 18949.6.

Reference(s): Health and Safety Code Section 18928, 18928.1, 18930.5, 18934.5, 18940.5, 18941.8, 18949.6, Water Code Section 14877.1.

### ITEM 15 APPENDICES A, B, D, H AND J

[BSC proposes to continue adoption of Appendices A, B, D, H, and J of the 2024 UPC without amendments into the 2025 CPC.]

#### Notation:

Authority: Health & Safety Code Sections 18928, 18928.1, 18934.5, 18949.6.

Reference(s): Health & Safety Code Sections 18928, 18928.1, 18934.5, 18949.6.

### ITEM 16 APPENDIX I INSTALLATION STANDARDS

[BSC proposes to adopt IAPMO IS 31-2022 in Appendix Chapter I of the 2024 UPC without amendments. BSC does not adopt IAPMO IS 26-2019e4, IAPMO IS 33-2019e2 and TCNA Handbook-2022 in Appendix I.]

#### Notation:

Authority: Health & Safety Code Sections 18928, 18928.1, 18934.5, 18949.6.

Reference(s): Health & Safety Code Sections 18928, 18928.1, 18934.5, 18949.6.

### ITEM 17 APPENDICES C, E, F, G, K, L, M, N, O, P, Q, R and S

[BSC proposes to not adopt Appendices C, E, F, G, K, L, M, N, O, P, Q, R and S from the 2024 UPC.]

#### Notation:

Authority: Health & Safety Code Sections 18928, 18928.1, 18934.5, 18949.6.

Reference(s): Health & Safety Code Sections 18928, 18928.1, 18934.5, 18949.6.