

15-DAY PUBLIC COMMENT PERIOD

**EXPRESS TERMS
FOR
PROPOSED BUILDING STANDARDS
OF THE
CALIFORNIA DEPARTMENT OF PUBLIC HEALTH
REGARDING PROPOSED CHANGES TO**

CALIFORNIA CODE OF REGULATIONS

TITLE 24

Part 2, Volume 2

CHAPTER 31B

PUBLIC POOLS

Division I - GENERAL

LEGEND FOR EXPRESS TERMS

1. Modified language is double underlined.
2. Repealed text appears in ~~double-strikeout~~.

Express Terms

Title 24 Chapter 31B Public Pools

3102B DEFINITIONS

AIR GAP, DRAINAGE is the unobstructed vertical distance through the free atmosphere between the lowest opening from any pipe, plumbing fixture, appliance or appurtenance conveying waste to the flood level rim of the receptor.

AIR GAP, WATER DISTRIBUTION is the unobstructed vertical distance through the free atmosphere between the lowest opening from any pipe or faucet conveying potable water ~~or waste to a tank, plumbing fixture receptor or other device~~ and to the flood level rim of ~~the any tank, vat or fixture receptacle.~~

ACCESSIBLE is having access to a fixture, connection, appliance or equipment but may require the removal of an access panel, door or similar obstruction.

CLEAN POOL WATER is pool water that is free of dirt, oils, scum, algae, floating materials or visible organic and inorganic materials that would ~~sully~~ pollute the water.

CROSS-CONNECTION is any connection or arrangement, physical or otherwise, between a potable water supply system and any plumbing fixture or any tank, receptor, equipment or device through which it may be possible for nonpotable, used, unclean, polluted and contaminated water or other substances to enter into any part of such potable water system under any condition.

HOT WATER is water at a temperature exceeding or equal to 120°F (49°C).

POOL USER or USER as it pertains to this Chapter 31B is a person using a pool and ancillary facilities for the purpose of water activities such as diving, swimming, ~~or~~ wading or instructing. This does not define the quantity of occupants as it pertains to the Building Code, Title 24, Chapter 10.

READILY ACCESSIBLE is capable of being reached easily for cleaning, repair, replacement or inspection without the necessity of removing a panel, door or similar obstruction and without requiring a person to climb over or remove obstacles or to use devices such as portable ladders.

NOTE: Authority cited: Section 131200 Health and Safety Code. Reference: Sections 116043 and 116050, Health and Safety Code.

RATIONALE: Definitions have been added and amended to provide clarity and consistency with the California Plumbing and Mechanical Codes.

3106B SPECIAL REQUIREMENTS FOR SPRAY GROUNDS

3106B.15 The surge basin shall be equipped with an automatic make up water fill device through an air gap or be protected by an approved backflow prevention device in accordance with Chapter 6 of the California Plumbing Code, as required by the California Department of Public Health under Sections 7601 to 7605, Article 2, Title 17, California Code of Regulations.

NOTE: Authority cited: Section 131200 Health and Safety Code. Reference: Sections 116043 and 116050, Health and Safety Code.

RATIONALE: Language has been amended to provide consistency with the California Plumbing Code.

SECTION 3114B POOL DECKS

3114B.1 General.

A minimum continuous and unobstructed 4 foot wide (1219 mm) slip resistant, cleanable, nonabrasive deck area of concrete or like material shall be provided flush with the top of the pool coping extending completely around the pool, and the deck area shall further extend 4 feet (1219 mm) on both sides and rear of any diving board, fixed disabled access assistance device or slide and their appurtenances. The deck width shall be measured from the poolside edge of the coping lip.

Exception: A deck at least 4 feet (1219 mm) in width shall extend around a continuous 50 percent or more of the perimeter of a spa pool. For spa pools that have their walls extending above the ground or floor level, the deck area requirement shall apply at the ground or floor level unless otherwise approved in writing by the enforcing agent.

Note: [DCA-AC] Any mechanism provided to assist persons with disabilities in gaining entry into the pool and in exiting from the pool shall comply with Chapter 11B, Section 1104B4.3, Participation Areas.

NOTE: Authority cited: Section 131200 Health and Safety Code. Reference: Sections 116043 and 116050, Health and Safety Code.

RATIONALE: Language has been added to reinsert State Architect language that previously had been deleted.

SECTION 3115B POOL LIGHTING

3115B.3 Deck area lighting.

When the pool is to be used at night, pool deck areas and emergency egress areas shall be provided with ~~a minimum of 3 foot candle~~ lighting so that persons walking on

the deck can identify hazards. Lighting fixtures shall be aimed towards the deck area and away from the pool surface insofar as practical.

NOTE: Authority cited: Section 131200 Health and Safety Code. Reference: Sections 116043 and 116050, Health and Safety Code.

RATIONALE: A change has been made in response to a public comment received to remove the 3 foot candle requirement in order to reflect the original code language.

SECTION 3116B TOILET, SHOWER AND DRESSING FACILITIES

3116B.1 Public toilets, showers and dressing facilities shall be provided for pool users. Except as otherwise noted, plumbing facilities and fixtures shall comply with the requirements of the California Plumbing Code.

3116B.2.1 Showers. One shower shall be provided for every 50 pool users or less. Showers, controls and fixtures shall comply with the requirements of the California Plumbing Code.

3116B.2.3 Lavatories. A minimum of one lavatory per toilet facility or one lavatory for every 80 pool users or less shall be provided. Lavatories shall comply with the requirements of the California Plumbing Code.

3116B.3 Construction.

3116B.3.1 Floors. Floors shall have a durable, nonabsorbent, slip resistant, nonskid surface such as concrete or ceramic tile which extends upward onto the wall at least 4 inches (101 mm) with a minimum 3/8 inch (9.6 mm) radius coved base. Floors which may be walked on by a wet pool user shall be slip resistant. Floors shall slope not less than 1% (1/8 inch per foot) nor more than 2% (1/4 inch per foot) to floor drains and shall be constructed and finished to prevent standing water and shall be drained to floor drains in such a manner that wastewater from one bather shall not pass over areas occupied by other bathers. Gutters in public shower rooms shall have rounded corners for easy cleaning and shall be sloped not less than 2 percent toward drains. Drains in gutters shall be placed at a maximum of 8 feet (2,438 mm) from the sidewalls and no more than 16 feet (4,877 mm) apart. Floors which may be walked on by a wet pool user shall be slip resistant. Floors shall slope not less than 1% to floor drains and shall be constructed and finished to prevent standing water. Carpeting or other absorbent material is not permitted.

3116B.4 Water supply.

3116B.4.1 Showers and lavatories shall be provided with hot and cold running water under pressure in accordance with the requirements of the California Plumbing Code.

NOTE: Authority cited: Section 131200 Health and Safety Code. Reference: Sections 116043 and 116050, Health and Safety Code.

RATIONALE: Language has been amended to provide consistency with the California Plumbing Code.

SECTION 3117B DRINKING FOUNTAINS

One guarded jet drinking fountain shall be provided within the pool enclosure for the first ~~250-150~~ pool users and an additional guarded jet drinking fountain shall be provided for each additional ~~200-150~~ pool users or less. The number of pool users shall be determined according to Section 3116B.2.

NOTE: Authority cited: Section 131200 Health and Safety Code. Reference: Sections 116043 and 116050, Health and Safety Code.

RATIONALE: Language has been amended to provide consistency with the California Plumbing Code.

SECTION 3118B HOSE BIBBS

Potable water outlets with hose attachments shall be protected by a nonremovable hose bibb backflow preventer, a nonremovable hose bibb vacuum breaker, or by an atmospheric vacuum breaker installed not less than 6 inches (152 mm) above the highest point of usage located on the discharge side of the last valve as required by the California Plumbing Code. In climates where freezing temperatures occur, a listed self-draining frost-proof hose bibb with an integral backflow preventer or vacuum breaker shall be used. Hose bibbs shall be provided so that all portions of the pool deck area may be reached with a 75 foot length of hose attached to the hose bibb. A hose bibb shall be provided in the equipment area. Hose bibbs shall be located so that they do not constitute a hazard. ~~and shall be protected by a backflow prevention device as required by the California Department of Public Health under Sections 7601 to 7605, Article 2, Title 17, California Code of Regulations.~~

NOTE: Authority cited: Section 131200 Health and Safety Code. Reference: Sections 116043 and 116050, Health and Safety Code.

RATIONALE: Language has been amended to provide consistency with the California Plumbing Code.

SECTION 3120B REQUIRED SIGNS

3120B.6 Emergency sign. The emergency telephone number 911, ~~or~~ the number of the nearest emergency services and the name and street address of the pool facility shall be posted.

3120B.8 Emergency ~~shut-off~~ shut off. In letters at least one inch (25 mm) high a sign shall be posted at the spa emergency ~~shut-off~~ shut off switch stating, "EMERGENCY ~~SHUT-OFF~~ SHUT OFF SWITCH."

3120B.14 Exit. Where automatic ~~chlorine gaseous~~ chemical feeders are used, a sign shall be posted at the pool area entrance which shows in a diagrammatic form an emergency evacuation procedure. Designated emergency exits shall be marked "EXIT."

3120B.16 Turn on before entering. Where automatic gaseous chemical feeders are used, a sign shall be posted at the switch to the light and ventilation system for the gaseous chemical feeder room stating, "TURN ON BEFORE ENTERING," or as otherwise required by the California Fire Code or the California Electrical Code.

NOTE: Authority cited: Section 131200 Health and Safety Code. Reference: Sections 116043 and 116050, Health and Safety Code.

RATIONALE: Language has been amended to reflect public comments received and to provide consistency with the California Electrical Code.

SECTION 3121B INDOOR POOL VENTILATION

~~A pool area located indoors shall be ventilated according to the ANSI/American Society of Heating, Refrigerating and Air Conditioning Engineers Standard 62.1-2010. Indoor pools, dressing rooms and toilet rooms shall be ventilated according to the requirements in Chapter 4 of the California Mechanical Code.~~

NOTE: Authority cited: Section 131200 Health and Safety Code. Reference: Sections 116043 and 116050, Health and Safety Code.

RATIONALE: Language has been amended to provide consistency with the California Mechanical Code.

SECTION 3123B GENERAL REQUIREMENTS

3123B.1 System description. Each pool shall be provided with a separate recirculation system designed for the continuous recirculation, filtration and disinfection of the pool water. The system shall consist of pumps, filters, chemical feeders, skimmers or perimeter overflow systems, valves, pipes, connections, fittings and appurtenances.

Exception: Pools using fresh water equivalent in flow to the requirements of ~~Sec.~~ Section 3124B.

NOTE: Authority cited: Section 131200 Health and Safety Code. Reference: Sections 116043 and 116050, Health and Safety Code.

RATIONALE: Change made for editing.

SECTION 3125B RECIRCULATION PIPING SYSTEM AND COMPONENTS

3125B.1 Line sizes. Pipes shall be sized so flow velocity of piping systems including all parts and fittings other than inlet devices or venturi throats shall not exceed 6 feet per second (1.829 m/s) in any suction or copper piping and 8 feet per second (2.438 m/s) in any portion of the return system.

3125B.1.1 Materials All pipe, tube and fittings shall comply with the applicable standards for potable water system materials set forth in Chapter 6 of the California Plumbing Code.

NOTE: Authority cited: Section 131200 Health and Safety Code. Reference: Sections 116043 and 116050, Health and Safety Code.

RATIONALE: Language has been amended to provide consistency with the California Plumbing Code.

SECTION 3127B WATER SUPPLY INLETS

3127B.2 Backflow prevention. There shall be no direct connection between any potable water supply system and the pool or its piping system unless protected by a backflow prevention device ~~as required by the California Department of Public Health under Sections 7601 to 7605, Article 2, Title 17, California Code of Regulations~~ in accordance with Chapter 6 of the California Plumbing Code.

NOTE: Authority cited: Section 131200 Health and Safety Code. Reference: Sections 116043 and 116050, Health and Safety Code.

RATIONALE: Language has been amended to provide consistency with the California Plumbing Code.

SECTION 3132B -CARTRIDGE FILTERS.

3132B.2 An approved wash down area equipped with potable water shall be provided in the pool equipment area with permanently installed drainage piping discharging to the public sewer or wastewater system approved by the enforcing wastewater agency. The filter vessel shall be capable of being drained and shall be equipped with an indirect drain for the purpose of draining the entire contents of the filter vessel. Drainage and backwash piping shall be considered indirect waste and installed in accordance with the requirements of Chapter 8 of the California Plumbing Code.

NOTE: Authority cited: Section 131200 Health and Safety Code. Reference: Sections 116043 and 116050, Health and Safety Code.

RATIONALE: Language has been amended to provide consistency with the California Plumbing Code.

SECTION 3135B GAS CHLORINATION EQUIPMENT ROOM

3135B.6 Switches. Switches for the control of ~~artificial lighting and~~ mechanical ventilation and lighting fixtures shall be located adjacent to the entry door outside the room ~~adjacent to the entry door~~.

3135B.7 Equipment interlocks. The gas chlorine feeding device shall be interlocked with the pool recirculating pump so that the gas chlorine feeding device shall not operate when the recirculating pump is off or during the filter backwash.

3135B.78 Storage. The gas chlorine room shall not be used for the storage of items not related to the use of the gas chlorine equipment.

NOTE: Authority cited: Section 131200 Health and Safety Code. Reference: Sections 116043 and 116050, Health and Safety Code.

RATIONALE: Language has been amended to provide consistency with the California Electrical Code.

SECTION 3136B POOL SKIMMING SYSTEMS

3136B.2 Perimeter overflow systems. A perimeter overflow system shall be required in pools whose water surface area equals or exceeds 5,000 square feet (464.52 m²) ~~3,000 square feet (278.7 m²)~~. Perimeter overflow systems shall be designed by an engineer or architect as defined by this Chapter who has experience working on public pools and shall comply with the following provisions:

NOTE: Authority cited: Section 131200 Health and Safety Code. Reference: Sections 116043 and 116050, Health and Safety Code.

RATIONALE: A change has been made in response to a public comment received to have the square footage requirement reflect the original code language. See existing code Section 3134B.1 Exception.

SECTION 3138B SPA POOL SPECIAL REQUIREMENTS

3138B.5 Emergency shut off switch. A clearly labeled emergency shut off switch for the control of both the recirculation system and the aeration and/or jet system shall be installed adjacent to the spa pool.

NOTE: Authority cited: Section 131200 Health and Safety Code. Reference: Sections 116043 and 116050, Health and Safety Code.

RATIONALE: Language has been amended to provide consistency with the California Electrical Code.

SECTION 3139B SOLAR HEATING INSTALLATIONS

3139B.1 Solar heating systems ~~shall not be interconnected with the pool recirculation system and~~ shall comply with the following:

1. Solar heating system suction outlets shall comply with Section 3137B; and
2. Solar heating system suction outlets shall be located no closer than 5 feet (1525 mm) to any pool inlet fitting.
3. The installation of a solar heating system on ~~a~~ a new or existing pool shall not interfere with the required turnover rate as specified in Section 3124B nor exceed the pipe flow velocities as specified in Section 3125B.1.

NOTE: Authority cited: Section 131200 Health and Safety Code. Reference: Sections 116043 and 116050, Health and Safety Code.

RATIONALE: A change has been made in response to a public comment received to clarify the new solar heating installation requirements.

SECTION 3141B WASTEWATER DISPOSAL.

3141B.1 General requirements. Material cleaned from filters and backwash water from any recirculation system shall be disposed in a manner that is acceptable to the local wastewater agency and will not create a nuisance. Backwash water shall not be returned to a pool. Pipes carrying wastewater from pools including pool drainage and backwash from filters shall be installed as an indirect waste in accordance with the requirements of Chapter 8 of the California Plumbing Code. Where a pump is used to discharge waste pool water to the drainage system, the pump discharge shall be installed as an indirect waste.

NOTE: Authority cited: Section 131200 Health and Safety Code. Reference: Sections 116043 and 116050, Health and Safety Code.

RATIONALE: Language has been amended to provide consistency with the California Plumbing Code.

Notes for Figure 31B-1 and Table 31B-1:

7. The main drain shall be located to provide complete drainage of the pool.

Notes for Figure 31B-2 and Table 31B-2:

6. The main drain shall be located to provide complete drainage of the pool.

NOTE: Authority cited: Section 131200 Health and Safety Code. Reference: Sections 116043 and 116050, Health and Safety Code.

RATIONALE: Language has been added to provide consistency with Table 31B-3.