

**REVISED EXPRESS TERMS AND STATEMENT OF REASONS
FOR
PROPOSED BUILDING STANDARDS
OF THE
CALIFORNIA DEPARTMENT OF PUBLIC HEALTH (CDPH)**

**REGARDING THE CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE,
CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 2, CHAPTER 31B
PUBLIC POOLS**

This revised express terms and statement of reasons document describes revisions agreed upon at the public pool construction stakeholders' meeting on November 15, 2011, and the California Building Standards Commission (CBSC) Ad Hoc Code Advisory Committee (CAC) meeting on November 21, 2011.

LEGEND FOR EXPRESS TERMS

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 Repealed language appears in ~~strikeout~~.

PROPOSED FOR SECOND 15-DAY COMMENT PERIOD

3. New language is double underlined.
4. New repealed language appears in ~~double strikeout~~.

CALIFORNIA CODE OF REGULATIONS

TITLE 24

CHAPTER 31B [DPH]

PUBLIC SWIMMING POOLS

PLAN REVIEW, PERMITS, CONSTRUCTION AND FIELD INSPECTIONS

SECTION 3102B

DEFINITIONS

For the purposes of this Chapter, the following terms shall have the meanings indicated:

Abbreviations:

"ANSI" is American National Standards Institute

"APHA" is American Public Health Association

"ASME" is American Society of Mechanical Engineers

"ASTM" is American Society for Testing Materials

"CPR" is cardiopulmonary resuscitation

" ° " is degrees

"F" is Fahrenheit

"fps" is feet per second

"F" is Fahrenheit

"FT" is feet

"gpm" is gallons per minute

"IN" is inches

"kg" is kilogram

~~"kN/m²" is kilonewton per square meter~~

~~"L" is liter~~

~~"L/m per m²" is liters per minute per meter squared~~

~~"m" is meter~~

~~"m/s" is meters per second.~~

~~"mJ/cm²" is millijoule per square centimeter~~

~~"mm" is millimeters~~

~~"NRTL" is Nationally Recognized Testing Laboratory~~

~~"NSF" is NSF International~~

~~"ppm" is parts per million~~

~~"SVRS" safety vacuum release system~~

~~"USA" is United States of America~~

Definitions:

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

~~**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 to the flood level rim of any tank, vat or fixture.~~

~~**ARCHITECT** is a California licensed architect pursuant to California Business and Professions Code, Division 3, Chapter 3.~~

~~**CORROSION RESISTANT** is the ability of a material to maintain its capable of maintaining original surface characteristics under prolonged the use in its environment.~~

~~**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.~~

~~**ENGINEER** is either a California licensed civil engineer or mechanical engineer pursuant to California Business and Professions Code, Division 3, Chapter 7.~~

~~**HANDHOLD** is a structure located at or above the water line around the perimeter of the pool wall that allows a pool user to hold onto at the poolside for support provides a physical means for a pool user to grasp the pool side.~~

~~**HOSE BIBB** is a valve with a fitting for a hose.~~

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

~~**PERFORMANCE STANDARD** is a standard that is accredited and published. Products compliant with a standard may be listed by any authorized nationally recognized testing laboratory **NRTL**.~~

~~**POOL AREA** is the area within the pool enclosure as required in Section 3119B.~~

~~**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, wading or instructing. This does not define the quantity of occupants as it pertains to the Building Code, Title 24, Chapter 10.~~

~~**POOL USER CAPACITY** is the maximum number of persons allowed in a pool at any one time based on the pool surface area.~~

~~**STEP RISER OR RISER** is the vertical portion of a step.~~

~~**STEP TREAD OR TREAD** is the horizontal portion of the step.~~

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

Statement of Reasons: Section 3102B – Definitions

As a result of discussions at the CBSC CAC meeting on November 21, 2011, it was agreed to eliminate all of the proposed abbreviations and the following proposed definitions: Accessible, Air Gap Drainage, Air Gap Distribution, Architect, Corrosion Resistant, Cross-Connection, Engineer, Hose Bibb, Hot Water, Pool Area, Pool User or User, Pool User Capacity, Step Riser or Riser and Step Tread or Tread. Further discussion with interested stakeholders will be conducted for future adoptions.

The definition of “Handhold” has been revised slightly to provide clarity.

The definition of “Performance Standard” has been revised to spell out the NRTL abbreviation that has been deleted from the proposed code text.

PLAN REVIEW, PERMITS, CONSTRUCTION AND FIELD INSPECTIONS

SECTION. 3103B

SPECIAL POOL CLASSIFICATIONS—PLAN REVIEW

3103B.3 Temporary training pool. ~~A temporary training pool is a pool intended to be used for instruction in swimming, having a maximum water depth of 36 inches (914 mm), and so constructed as to be readily disassembled for storage or for transporting to and reassembly to its original integrity at a different location. A temporary training pool shall be limited to a maximum use of three months at any one geographical location during any 12-month period. Within 20 working days of the receipt of plans and specifications, ~~t~~The enforcing agent shall notify the person submitting the plans and specifications of approval or disapproval.~~

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

Statement of Reasons: Section 3103B.3 – Plan Review

As a result of discussions at the CBSC CAC meeting on November 21, 2011, it was agreed to eliminate the proposed 20-day notification requirement for plan approval or disapproval because there is no authority to propose such a time frame.

SECTION 3105B

ALTERNATE EQUIPMENT, MATERIALS AND METHODS OF CONSTRUCTION PLAN COMPLIANCE INSPECTIONS

3105B.1 ~~The enforcing agency may approve an alternate equipment, material, or method of construction, provided it finds that the proposed design is satisfactory and complies with the provisions of this chapter, that the equipment, material, method or work offered is, for the purpose intended, at least equivalent to that prescribed in~~

~~suitability, strength, effectiveness, fire resistance, durability, safety and sanitation, or that the methods of installation proposed conform to other acceptable nationally recognized standards, and providing the alternate has been approved and its use authorized by the enforcing agency. The pool owner, operator or designated agent shall notify the enforcing agent at least two working days prior to scheduling the following inspections:~~

- ~~1. Exposed plumbing;~~
- ~~2. Prior to applying pneumatically placed concrete;~~
- ~~3. Prior to applying the final surface to the pool shell; and~~
- ~~4. At the completion of construction. No pool shall be opened to the public without the written approval of the enforcing agent.~~

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

Statement of Reasons: Section 3105B - Plan Compliance Inspections

As a result of discussions at the CBSC CAC meeting on November 21, 2011, it was agreed to eliminate the proposed two working days notification requirement for inspections because there is no authority to propose such a time frame.

POOL STRUCTURE

SECTION 3106B

POOL CONSTRUCTION SPECIAL REQUIREMENTS FOR SPRAY GROUNDS

3106B.5 ~~Nozzles that spray from the ground level shall be flush with the ground with openings no greater than one-half inch. Spray ground water features that extend above the ground must be clearly visible high enough so that they can be seen clearly and are not a trip hazard.~~

Statement of Reasons:

Section 3106B.5 Special Requirements For Spray Grounds

Stricken and proposed new language was agreed by the stakeholders during the stakeholder meeting on November 15, 2011. The words “clearly visible” were added to provide clarity.

3106B.8 When multiple pumps are used the ~~The~~ control systems for the spray ground water feature pump and recirculation system pump shall be electrically interconnected so that when the recirculation pump is off, the spray ground water feature pump also is off.

Statement of Reasons: Section 3106B.8

Stricken and proposed new language was agreed by the stakeholders during the stakeholder meeting on November 15, 2011. The words “When multiple pumps are used” were added to provide accuracy with regard to pump configurations typically installed at spray grounds.

3106B.16 Ultraviolet light disinfection shall be used to supplement disinfection methods required in this Chapter unless another treatment process is provided that has been determined by a nationally recognized testing laboratory ~~NRTL~~ to be capable of providing at least the equivalent level of reduction of cryptosporidium as the ultraviolet light disinfection system specified in this section. The ultraviolet light disinfection unit shall comply with the applicable requirements established by the NSF/ANSI 50-2010 performance standard effective August 2010.

Statement of Reasons: Section 3106B.16

The words represented by “NRTL” have been added by CDPH because the abbreviation was deleted from the proposed code text at the CBSC CAC meeting on November 21, 2011.

3106B.20 Artificial lighting shall be provided at all spray ground pads which are used at night or which do not have adequate natural lighting so that all portions of the spray pad

~~and deck may be seen easily. A minimum of three foot candles of light shall be provided for the spray ground. Lighting that may be exposed to the feature pool water shall be installed in accordance with the manufacturer's specifications and the California Electrical Code.~~

Statement of Reasons: Section 3106B.20

The proposed lighting requirement was removed as agreed by the stakeholders during the stakeholder meeting on November 15, 2011. The three foot candle lighting requirement could conflict with the California Electrical Code.

3106B.21 ~~A diverter valve shall be installed on the spray ground drainage piping before the surge basin to divert rain water to the storm drainage system when the splash ground is not in operation closed for the season.~~

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

Statement of Reasons: Section 3106 B.21

The word "rain" and the phrase "closed for the season" were removed as agreed by the stakeholders during the stakeholder meeting on November 15, 2011. Rain is not the only source of water that can drain into a spray ground during periods of nonoperation. The phrase "not in operation" was added for clarity.

SECTION 3108B

~~POOL GEOMETRY~~ POOL CONSTRUCTION

3108B.2 Drainable. Finish. ~~The pool shall be completely drainable through a main drain which shall be located at the deepest point in the pool. The finished interior pool shall have a solid waterproof finish that is smooth and slip resistant and that will withstand repeated brushing, scrubbing and cleaning procedures. The interior pool finish shall completely line the pool to the tile lines, coping or cantilevered deck.~~

The finished pool shell shall be lined with a smooth waterproof interior finish that will withstand repeated brushing, scrubbing, and cleaning procedures. The interior pool finish shall completely line the pool to the tile lines, coping, or cantilevered deck.

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

Statement of Reasons: Section 3108B.2 Finish

As a result of discussions at the CBSC CAC meeting on November 21, 2011, it was agreed to eliminate the proposed language for 3108B.2 Finish. The text from the existing code for subsection 3106B.2 Finish has been inserted. It is double underlined because the codification is now 3108B.2. Further discussion with interested stakeholders will be conducted for future adoptions.

SECTION 3110B

~~STEPS, RECESSED STEPS, LADDERS, AND RECESSED STAIRS (TREADS)~~

PERMANENT MARKINGS

3110B.4.2 Position. Where required by Section 3110B.4.1, depth markers shall be located in the following positions:

1. On the coping or on the deck the depth markers shall be placed as close as possible but no more than 3 feet (914 mm) from the pool water; and
2. For pools with skimmer systems the depth markers shall be high at the waterline which typically will result in the depth markers being submerged approximately 50% percent; or
3. For pools with perimeter overflow systems where coping cantilevers over the gutter depth markers may be positioned at the face of the cantilevered coping, the back wall above the gutter or immediately below the waterline which will result in the depth markers being completely submerged; or

4. For pools with rim flow gutters depth markers shall be positioned immediately below the waterline which will result in the depth markers being completely submerged.

Statement of Reasons: Section 3110B.4.2 – Position

As a result of discussions at the CBSC CAC meeting on November 21, 2011, it was agreed to make minor editorial changes to replace the “%” sign with the word “percent” for consistency with other Title 24 chapters.

SECTION 3111B

HANDHOLDS

STEPS, RECESSED STEPS, LADDERS, AND STAIRS

3111B.3 Stairs. ~~Where perimeter overflow systems are not provided, a bull-nosed coping or cantilevered decking or reinforced concrete, or material equivalent in strength and durability, with rounded, slip-resistant edges shall be provided. The overhang for either bull-nosed coping or cantilevered decking shall not exceed 2 inches (51 mm) or be less than 1 inch (25 mm) and shall not exceed 2 1/2 inches (64 mm) in thickness.~~

~~**Exception:** The enforcing agency may accept handholds other than those specified for spa pools.~~

Stairs shall be provided in the shallowest portion of a pool. In pools with more than one shallow end stairs shall be provided at each shallow end. Each step of a stair shall have a tread in accordance with Figure 31B-7. Risers shall be uniform and shall conform to Figure 31B-7. At least one hand rail shall be provided extending from the deck to not less than a point above the top of the lowest step installed in accordance with Figure 31B-7.

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

Statement of Reasons: Section 311B.3- Stairs

As a result of discussions at the CBSC CAC meeting on November 21, 2011, it was agreed to eliminate the phrase “shall be uniform and” from the proposed language because there is no clear definition of tolerances for uniformity.

Section 3113B

POOL DECKS DIVING BOARDS AND PLATFORMS

3113B.3 Coping. Dimensions. ~~Pool coping shall be slip resistant. Dimensions and clearances for the use of diving boards or platforms shall conform to those shown in Figures 31B-1 and 31B-2. Platforms and diving boards greater than 3 meters above the water shall conform to the USA Diving Rules and Codes, Part 1, Subpart A and Appendix B, effective January 1, 2010.~~

Statement of Reasons: Section 3113.3 – Dimensions

The words “greater than 3 meters above the water” were removed as agreed by the stakeholders during the stakeholder meeting on November 15, 2011. All platforms and diving boards should comply with the referenced national standard, not just those greater than 3 meters above the water.

SECTION 3114B

POOL LIGHTING POOL DECKS

3114B.3 ~~Deck area lighting.~~ Deck slope. ~~Where the pool is to be used at night, pool deck areas shall be provided with lighting so that persons walking on the deck can identify hazards. Lighting fixtures shall be aimed toward the deck area and away from the pool surface insofar as practical. The pool's deck surface shall have a slope of no less than 1% percent (1/8 inch per foot) but no more than 2% percent (1/4 inch per foot)~~

away from the pool to a deck drainage system and shall be constructed and finished to prevent standing water.

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

Statement of Reasons: Section 3114B.3 – Deck slope

As a result of discussions at the CBSC CAC meeting on November 21, 2011, it was agreed to make minor editorial changes to replace the “%” sign with the word “percent” for consistency with other Title 24 chapters.

~~**ANCILLARY FACILITIES ANCILLARY AREAS AND FACILITIES**~~

~~**SECTION 3116B DRINKING FOUNTAINS**~~

~~**TOILET, SHOWER AND DRESSING FACILITIES**~~

~~**BATHHOUSE, DRESSING, SHOWER, AND TOILET FACILITIES**~~

~~One guarded jet drinking fountain shall be provided for the first 250 bathers and an additional fountain shall be provided for each additional 200 bathers or fraction thereof. The number of bathers shall be determined according to Section 3115B.2.~~

~~**Exception:** Drinking fountains shall not be required when drinking water is available at adjacent living quarters, or in an adjacent building such as a bathhouse, cabana, clubhouse or recreational facility.~~

~~**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.~~

~~**Exception:** Public toilet facilities may be omitted when pool users have access to toilet facilities either in living units located not more than 100 feet (30,126 mm) in~~

~~travel distance from the pool or in an adjacent building such as a recreational facility, clubhouse, leasing office or cabana.~~

Shower and dressing facilities shall be provided for users of a pool.

Exceptions:

1. Shower and dressing facilities may not be required when bathers have access to such facilities in adjacent living quarters.

2. Public toilet facilities may be omitted when bathers have access to toilet facilities either in living quarters located not more than 300 feet (91,440 mm) in travel distance from the pool, or in an adjacent building such as a recreational facility, clubhouse or cabana.

~~**3116B.2 Sanitary facilities. Number of sanitary facilities.** For the purpose of this Section, one pool user shall be considered for every 15 square feet (1.39 m²) of pool water surface area.~~ For the purpose of this Section, one pool user shall be considered for every 15 square feet (1.39 m²) of pool water surface area.

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

~~**3116B.2.2 Toilets.** Separate toilet facilities shall be provided for each sex. One toilet shall be provided for every 60 women or less and one toilet plus one urinal for every 75 men or less.~~

~~**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. One lavatory shall be provided for every 80 bathers.~~

~~**3116B.2.4 Soap Dispensers.** Showers and lavatories shall be provided with soap and permanently installed soap dispensers.~~

~~**3116B.2.5 Towels and Toilet Tissue.** Single use towels or hot air blowers and toilet tissue shall be provided in permanently installed dispensing devices.~~

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 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. Carpeting or other absorbent material is not permitted.~~

Floors shall have a hard, nonabsorbent surface, such as portland cement concrete, ceramic tile or other approved material, which extends upwards onto the wall at least 5 inches (127 mm) with a coved base. Floors which may be walked on by a wet bather shall be slip resistant. Floors shall be sloped not less than 1/4 inch (6.4mm) per foot to floor drains or other approved surface water disposal areas. Carpeting

and other similar artificial floor covering shall not be permitted on shower and toilet room floors.

Note: Rough rotary, raised rubber or wood float finish of concrete usually provides a slip-resistant finish.

3116B.3.2 Interior wall surfaces. ~~Interior surfaces such as walls, ceilings, doors, shower partitions, toilets, dressing facilities, locker rooms and lockers shall be smooth, free of open joints and cracks, nonabsorbent and cleanable.~~

The materials used in the walls, except for structural elements, shall be of a type which is not adversely affected by moisture.

3116B.3.3 Privacy. ~~All doors and windows of any toilet, shower, dressing facility or locker room shall be arranged to prevent viewing of the interior from the exterior.~~

All doors and windows shall be arranged to prevent viewing of the interior from any portion of the building used by the opposite sex and from view from the outdoors. View screens shall be permitted for this purpose.

3116B.3.4 Indoor ventilation. ~~For ventilation requirements for toilet and dressing facilities see Section 1203.1, Title 24, California Code of Regulations.~~

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.~~ Showers and lavatories shall be provided with hot and cold water faucets.

3116B.4.2 ~~Tempered water shall be permitted in lieu of individual hot and cold water faucets.~~

3116B.4.3 A means to limit the hot water to 110°F (61°C) maximum shall be provided to prevent scalding. This temperature limit control shall not be adjustable by the bather-pool user.

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

Statement of Reasons: Section 3116B- Ancillary Areas And Facilities

As a result of discussions at the CBSC CAC meeting on November 21, 2011, it was agreed to eliminate the entire newly proposed language for 3116 B. Language is existing unchanged codified text. The text from the existing code for Section 3115B Bathhouse, Dressing, Shower, and Toilet Facilities has been inserted. It is double underlined because the codification is now 3116B. Further discussion with interested stakeholders will be conducted for future adoptions.

SECTION 3117B

HOSE BIBBS DRINKING FOUNTAINS

~~Hose bibbs shall be provided for each pool and located so that all portions of the pool deck area may be reached with a 75-foot (22,860 mm) length of hose attached to the hose bibb. Hose bibbs shall be located so that they do not constitute a safety hazard and shall be protected against backflow. One guarded jet drinking fountain shall be provided within the pool enclosure for the first 150 pool users and an additional guarded jet drinking fountain shall be provided for each additional 150 pool users or less. The number of pool users shall be determined according to Section 3116B.2.~~

~~**Exception:** Drinking fountains shall not be required when drinking water is available in adjacent living units or in an adjacent building such as a recreational facility, clubhouse, leasing office or cabana.~~

One guarded jet drinking fountain shall be provided for the first 250 bathers and an additional fountain shall be provided for each additional 200 bathers or fraction thereof.

The number of bathers shall be determined according to Section 31156B.2.

Exception: Drinking fountains shall not be required when drinking water is available at adjacent living quarters, or in an adjacent building such as a bathhouse, cabana, clubhouse or recreational facility.

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

Statement of Reasons: Section 3117B- Drinking Fountains

As a result of discussions at the CBSC CAC meeting on November 21, 2011, it was agreed to eliminate the proposed language for 3117B Drinking Fountains. The text from the existing code for section 3116B Drinking Fountains has been inserted into 3117B with the exception of changing the reference to Section 3116B.2 which has been recodified from 3115B.2. The existing text is double underlined because the codification has changed. Further discussion with interested stakeholders will be conducted for future adoptions.

SECTION 3120B

INDOOR POOL VENTILATION REQUIRED SIGNS

3120B.14 Exit. Where automatic gaseous chlorine 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."

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

Statement of Reasons: Section 3120B.14 – Exit

“Gaseous” has been added by CDPH to specify that a sign is needed for gaseous chlorine as opposed to all chlorine chemical feeders. Application of a signage

requirement for all public swimming pools that are equipped with chlorine chemical feeders is unnecessary and burdensome to the regulated community.

SECTION 3123B

RECIRCULATION AND WATER TREATMENT SYSTEM COMPONENTS

3123B.4 ~~Accessibility~~ Equipment Access All filters, valves, pumps, strainers and equipment shall be readily accessible for repair and replacement.

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

Statement of Reasons: Section 3123B.4 Equipment Access

As a result of discussions at the CBSC CAC meeting on November 21, 2011, it was agreed to make a minor editorial revision by changing the title of this section to "Equipment Access" for clarity.

SECTION 3133B

~~DISINFECTANT FEEDERS~~ CHEMICAL FEEDERS

~~3133B.1 Minimum capacity. General design requirements.~~ ~~The disinfectant feeder shall be capable of supplying not less than the equivalent of 3 pounds (1kg) of chlorine per day (PPD) per 10,000 gallons (37,850 L) of pool water capacity.~~

~~**Exception:** A feeder of lesser capacity shall be permitted when it can be demonstrated to the enforcing agency that the lesser capacity feeder can comply with the disinfection requirements of Section 65529, Title 22, Chapter 20, California Code of Regulations.~~

The chemical feeder equipment shall:

1. Be maintained and repaired according to manufacturers' specifications;

2. Be constructed with an adjustable output rate device to permit repeated adjustments without loss of output rate accuracy and adjusted by an automatic chemical monitoring and control system; and
3. Meet the applicable requirements established by the NSF/ANSI 50-2010 performance standard effective August 2010.

Statement of Reasons: Section 3133 – General design requirements

The word "or" has been replaced with the word "and" as agreed by the interested stakeholders during the stakeholder meeting on November 15, 2011.

SECTION 3134B

POOL FITTINGS – DISINFECTANT FEEDERS

3134B.1 Surface skimmers. Minimum Capacity. Each surface skimmer shall comply with all of the following provisions:

1. ~~The skimmer shall be of the built-in type, recessed into the pool wall.~~
2. ~~Each skimmer shall be individually adjustable for the rate of flow with either an external or internal device.~~
3. ~~The skimmer weir shall automatically adjust to variations in the pool water level over a range of not less than 4 inches (102 mm).~~
4. ~~The skimmer shall be provided with an air-lock protective device which shall not permit leakage of air into the recirculation suction piping system. This device shall not leak more than 3 gpm (11.356 L/m) of water during normal operations.~~
5. ~~Each skimmer shall be provided with a removable and cleanable screen or basket to trap large solids.~~
6. ~~There shall not be less than one skimmer for each 500 square feet (46.45 m²) of pool water surface area, or fractional part thereof.~~

~~7. The skimmer shall be constructed with suitable materials and methods to withstand anticipated use conditions.~~

~~8. Each skimmer shall be located in relation to pool inlets to aid recirculation and skimming.~~

~~**Exception:** Skimmers shall not be used as the required overflow devices on a pool with a water surface area over 5,000 square feet (464.52 m²).~~

All feeders shall be capable of supplying not less than the equivalent of 3 pounds (1 kg) of 100% percent available chlorine per day per 10,000 gallons (37,850 L) of pool water capacity.

Statement of Reasons: Section 3134B.1 – Minimum capacity

As a result of discussions at the CBSC CAC meeting on November 21, 2011, it was agreed to make minor editorial changes to replace the “%” sign with the word “percent” for consistency with other Title 24 chapters.

SECTION 3136B

CLEANING SYSTEMS

POOL SKIMMING SYSTEMS

~~A built-in or portable type vacuum cleaning system shall be provided which is capable of removing sediment from all parts of the pool floor. When jet-type units are used, they shall be provided with approved type backflow protection for the water system. The pool shall be equipped with one or more skimming methods to provide continuous skimming of the pool water and shall be capable of continually withdrawing not less than 75 percent of the required flow rate.~~

3136B.1 Surface skimmers. Each surface skimmer shall comply with the following provisions:

1. The skimmer shall be recessed into the pool wall; and
2. The skimmer shall be individually adjustable for the rate of flow with either an external or internal device; and
- ~~3. Pools constructed after January 1, 2013, shall have skimmers with equalizer lines and all of the associated components plumbed directly to the main drain sump; and~~
- ~~4. If used, a skimmer equalizer suction outlet located on the pool wall shall be connected to at least 2 suction grate assemblies that meet the ASME/ANSI A112.19.8 performance standard and located at least 3 feet (915 mm) apart in any dimension between the drains; and~~
- ~~5.4. The skimmer weir shall automatically adjust to variations in the pool water level over a range of not less than 4 inches (102 mm); and~~
- ~~6.5 The skimmer shall be provided with an air lock protective device which shall not permit leakage of air into the recirculation suction piping system. This device shall not leak more than 3 gpm (11.356 L/m) of water during normal operations; and~~
- ~~7.6 Each skimmer shall be provided with a removable and cleanable screen or basket to trap objects. The screen or basket shall be accessible through an opening in the deck above the skimmer; and~~
- ~~8.7 There shall be a minimum of one skimmer for every 500 square feet or less of pool water surface area or an adequate number to meet 100% percent of pump flow at the manufacturer's maximum flow rating, whichever is greater; and~~
- ~~9.8 Each skimmer shall be located in relation to pool inlets to aid recirculation and surface skimming; and~~

~~40-9~~ All surface skimmers shall comply with applicable requirements established by the NSF/ANSI 50-2010 performance standard effective August 2010.

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

Statement of Reasons: 3136B.1 Surface skimmers

The proposed language that new construction pools with skimmer equalizer lines needed to be plumbed to the main drain was removed as agreed by the interested stakeholders during the stakeholder meeting on November 15, 2011. The words "If used," have been added to the following subsection that now will be 3136B.1.3 for clarity. The remaining numerical changes were made to preserve sequencing within this subsection.

For the recodified subsection 3136B.7 as a result of discussions at the CBSC CAC meeting on November 21, 2011, it was agreed to make minor editorial changes to replace the "%" sign with the word "percent" for consistency with other Title 24 chapters.

SECTION 3137B

~~WASTE WATER DISPOSAL~~ POOL FITTINGS

3137B.1 General requirements. Outlets. ~~Material cleaned from filters, waste water from temporary training pool showers and backwash water from any pool system shall be disposed of in a manner which will not create a (public) nuisance.~~

~~**3137B.1.1 Sand filters.** In accordance with applicable local regulations, the backwash water from a sand filter shall be disposed of to a storm drain or sewer system, dry well, or, when approved, such water may be disposed of by surface or subsurface irrigation.~~

~~**3137B.1.2 Diatomaceous earth filters.** The backwash waste water from a diatomaceous earth filter shall discharge into a receiving chamber installed to collect the waste diatomaceous earth mixture, or, when approved, such waste shall be permitted to be disposed of by other means such as to a sanitary sewer.~~

~~**3137B.1.3 Piping.** Sumps and drain piping shall have sufficient capacity to receive pool system backwash without overflow of the sump receiver.~~

~~**3137B.1.4 Visual indicator.** A sight glass shall be installed on the waste water discharge line from a filter.~~

~~**Exception:** The sight glass shall not be required when an air-gap connection from the filter vessel to a sewer or other drainage system is clearly visible to the operator during actual backwash operation.~~

Each pool shall be provided with a main drain submerged suction outlet typically located at the bottom of a pool that conducts water to a recirculating pump. Suction outlets shall comply with all of the following provisions:

1. Each pump on a pool system shall be connected to at least two suction outlets. The suction outlets shall be hydraulically balanced and symmetrically plumbed through one or more "T" fittings and shall be separated by a distance of at least 3 feet (915 mm) apart in any dimension between the suction outlets;
2. All suction outlets shall be equipped with suction fittings that meet the ASME/ANSI A112.19.8 performance standard;
3. The velocity of the suction piping installed between the suction outlets shall not exceed 3 feet per second (1.8 mps); and
4. **Hydrostatic Relief Devices.** In areas with a high groundwater table, or as required by local plumbing codes, a hydrostatic relief device shall be installed. When used in conjunction with a safety vacuum release system, SVRS, the hydrostatic relief device must meet the manufacturer's installation requirements for the safety vacuum release system, SVRS.

Statement of Reasons: Section 3137B.1.4 Hydrostatic Relief Devices

The words represented by "SVRS" have been added by CDPH because the abbreviation was deleted from the proposed code text at the CBSC CAC meeting on November 21, 2011.

SECTION 3161B

WADING POOLS

4. "Alteration" means any of the following:

4.1 To change, modify or rearrange the structural parts or the design.

4.2 To enlarge.

4.3 To move the location of.

4.4. To install a new water circulation system.

4.5. To make any repairs costing fifty dollars (\$50) or more to an ~~existing~~ existing circulation system.

Statement of Reasons: Section 3161B Wading Pools

As a result of discussions at the CBSC CAC meeting on November 21, 2011, it was agreed to make a minor editorial change to correct the spelling of the word "existing."