# TITLE 22 PROPOSED PUBLIC POOL REGULATIONS

The California Department of Public Health (CDPH) is working with the California Conference of Directors of Environmental Health to revise the existing public swimming pool regulations. These new regulations will require the public pools in California to meet current health and safety practices, standards, and operational requirements. Inquires about these draft regulations should be directed to the Environmental Health Services Section, P.O. Box 997377, MS 7404, Sacramento, CA 95899-7377, Attention Robin Belle Hook.

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**CALIFORNIA CODE OF REGULATIONS**

**TITLE 22**

**CHAPTER 20. PUBLIC POOLS**

**1) Amend Section 65501 as follows:**

**65501. Definitions.**

(a) ~~"Swimming Pool" or "Pool" means an artificial basin, chamber or tank used, or intended to be used, for public swimming, diving, or recreative bathing, but does not include baths where the main purpose is the cleaning of the body, nor individual therapeutic tubs.~~ "Clean Pool Water" means that the water is maintained free of dirt, oils, scum, algae, floating materials or visible organic and inorganic materials.

(b) ~~"Wading Pool" means an artificial basin, chamber or tank used, or intended to be used, for wading by small children and having a maximum depth of not to exceed 46 centimeters (18 inches) at the deepest point nor more than 30 centimeters (12 inches) at the side walls.~~ "Clear Pool Water" means that the water is maintained free from cloudiness and is transparent.

(c) ~~"Special Use Pools" means pools designed and used exclusively for a single purpose such as wading, instruction, diving, competition or medical treatment where a licensed professional in the healing arts is in attendance.~~ "Enforcing Agent" means the health officer or director of environmental health or their designated registered environmental health specialist representative.

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(d) ~~"Enforcing Agent" means the Health Officer or Director of Environmental Health or their designated registered sanitarian representative.~~ "NSF/ANSI 50-2010 Standard" means the swimming pool performance standard developed and tested by National Sanitation Foundation International and the American National Standards Institute.

(e) "Pool" or "Public Pool" means a wholly artificial basin, chamber or tank constructed or prefabricated with impervious surfaces that is used, or intended to be used, for public swimming, diving or recreative bathing but does not include individual therapeutic tubs or baths where the main purpose is the cleaning of the body.

(f) ~~"Temporary Training Pool" means an artificial basin, chamber or tank intended to be used for instruction in swimming and so constructed as to be readily disassembled for storage or for transporting to and reassembling at a different location.~~ "Pool Operator" or "Operator" means a person who is responsible for maintaining compliance with the requirements of this Chapter relating to pool operation, maintenance and safety of pool users.

(g) ~~"Spa Pool" means a pool, not used under medical supervision, that contains water of elevated temperature, and incorporates a water jet system, an aeration system or a combination of the two systems.~~ "Pool User" or "User" means a person using a pool and adjoining deck areas for the purpose of water activities such as diving, swimming or wading.

(h) ~~"Department" means the State Department of Health Services."~~ "Spa Pool" or "Spa" means a pool that is constructed to incorporate a water jet system,

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an aeration system or a combination of the two systems used in conjunction with water heated not higher than 104°F.

(i) "Special Purpose Pool" means a pool constructed exclusively for a specific purpose such as wading, instruction, diving, competition, spa, spray ground, water feature, wave pool or medical treatment.

(j) "Splash Zone" means the maximum distance the water from a spay ground can project horizontally.

(k) “Spray Ground “ means a special purpose pool with no standing water in the splash zone and consists of an underground water reservoir with a recirculation system from which water is directed through such means as sprays or jets for contact with pool users.

(l) "Wading Pool" means a pool intended to be used for wading by small children and having a maximum water depth of 18 inches at the deepest point and a maximum water depth of 12 inches at the side walls.

(m) "Water Feature" means an interactive device or structure through which water is directed to the pool user such as a water fountain, water spray, dancing water jet, waterfall, dumping bucket or shooting water cannon.

(n) "Water Park" means a permanent fenced and gated complex with controlled access that consists of multiple water recreation attractions such as interactive water features or wave pools.

(o) "Wave Pool" means a pool designed for the purpose of producing breaking wave action in the water and is not primarily designed for standup surfing or bodyboarding.

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NOTE: Authority cited: Section~~s 208~~ 131200~~ and 24102~~, Health and Safety Code. Reference: Sections ~~24100~~ 116035 and ~~24109~~ 116040, Health and Safety Code.

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**2) Amend Section 65503 as follows:**

**65503. Scope.**

(a) The provisions of this Chapter shall apply to all public pools. ~~as defined in Section 65501, including but not limited to:~~ Examples of public pools include the following:

(1) Commercial pools.

(2) ~~Real estate~~ Health club pools.

(3) Community building or area pools.

(4) Hotel pools.

(5) Motel pools.

(6) Resort pools.

(7) ~~Auto and trailer park~~ Recreational vehicle or mobile home park pools.

(8) ~~Auto court~~ Water park pools.

(9) Apartment house pools.

(10) Club pools.

(11) Public or private school pools.

(12) ~~Gymnasium~~ Swim school pools.

(13) Health establishment pools.

(14) Townhouse pools.

(15) Condominium pools.

(16) ~~Mobile home park~~ Medical facility pools.

(17) Campground pools.

(18) Homeowner association pools.

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(19) Bed and breakfast inn pools.

(20) Licensed day care facility pools.

(b) ~~Only private pools maintained by an individual for the use of family and friends are exempt from the provisions of this Chapter.~~

~~(c)~~ The provisions of this Chapter shall apply to all auxiliary structures and equipment provided and maintained in connection with public pools~~, including but not limited to~~:

(1) Locker rooms.

(2) Shower rooms.

(3) Dressing rooms.

(4) Toilet facilities.

(5) ~~Filtration equipment.~~ Water treatment equipment as listed:

(A) Disinfecting and water quality equipment.

(B) Recirculation equipment.

(C) Filtration equipment.

(6) ~~Pumping equipment.~~ Piping.

(7) ~~Piping.~~ Safety equipment.

~~(8) Disinfecting equipment.~~

~~(9) Safety equipment.~~

NOTE: Authority cited: Section~~s 208~~ 131200 ~~and 24102~~, Health and Safety Code. Reference: Sections ~~24100~~ 116035 and ~~through~~ ~~24109~~ 116040, Health and Safety Code.

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**3) Repeal Section 65505 as follows:**

**65505. Plans and Specifications.**

~~(a) A person proposing to construct, reconstruct or alter a swimming pool or auxiliary structure or equipment shall submit legible plans and specifications to the enforcing agent for review and written approval prior to commencing the work and in advance of the issuance of any building, plumbing or electrical permit.~~

~~(b) Plans submitted for approval pursuant to this section shall be drawn to a scale of 1 centimeter equals 0.48 meters (1/4 inch equals 1 foot), except that plans for spa pools shall be drawn to a scale of 1 centimeter equals 0.12 meters (1 inch equals 1 foot).~~

~~(c) The enforcing agent may require the submission of such additional information as may be required to determine the compliance of plans and specifications submitted for approval.~~

~~(d) Within 30 days of the receipt of plans and specifications, the enforcing agent shall notify the person submitting the plans and specifications of their approval or disapproval.~~

NOTE: Authority cited: Sections 208 and 24102, Health and Safety Code.
Reference: Section 24101.1, Health and Safety Code.

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**4) Repeal Section 65507 as follows:**

**65507. Records.**

~~(a) The enforcing agent shall retain one copy of the plans and specifications submitted for approval.~~

~~(b) At the request of the Department, the enforcing agent shall make available to the Department records pertaining to swimming pools which are within the enforcing agent's jurisdiction.~~

NOTE: Authority cited: Sections 208 and 24102, Health and Safety Code. Reference: Sections 24101.1 and 24105, Health and Safety Code.

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**5) Repeal Section 65509 as follows:**

**65509. Construction.**

~~(a) Swimming pools shall be constructed, reconstructed or altered in compliance with plans approved pursuant to Section 65505, unless written approval of variance from such plans is obtained from the enforcing agent.~~

~~(b) Swimming pools shall conform to the requirements of Chapter 2-90, Title 24, Building Standards, California Administrative Code.~~

NOTE: Authority cited: Sections 208 and 24102, Health and Safety Code. Reference: Section 24101.1, Health and Safety Code.

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**6) Amend Section 65511 as follows:**

**65511. Inspection.**

(a) The ~~swimming~~ pool owner, operator or ~~his~~ designated agent~~,~~ shall ~~notify~~ obtain inspections from the enforcing agent: ~~at least two working days before guniting or constructing~~ 1) prior to applying gunite or plaster to the pool shell ~~to allow inspection and approval by the enforcing agent. Following pool~~ and 2) at the completion of construction~~, the enforcing agent shall again be notified at least two days in advance of~~ prior to placing the pool in operation ~~to allow for final inspection and approval~~.

(b) No pool shall be placed in use without the written approval of the enforcing agent.

NOTE: Authority cited: Section~~s 208~~ 131200 ~~and 24102~~, ~~H~~ealth and Safety Code. Reference: Sections ~~24101.1~~ 116038, 116050 and ~~24104~~ 116055, Health and Safety Code.

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**7) Amend Section 65521 as follows:**

**65521 Pool Supervision ~~Responsibility~~ and Operation.**

(a) Every pool shall be under the supervision of a ~~person who is fully capable of, and shall assume responsibility for, compliance with all requirements relating to pool operation, maintenance and safety of bathers~~ pool operator.

(b) ~~No pools shall be used or available for use unless all of the requirements of subsection (a) and the following are complied with.~~

~~(1) Routine (e.g. daily and weekly)~~ Records of pool operating procedures shall be maintained permanently at the pool site ~~posted in a location accessible to and frequented by the operator~~.

~~(2)~~ (c) Manufacturers' instructions for operation and maintenance of mechanical and electrical equipment shall be kept at the pool site for use by ~~available for~~ the pool operator.

(d) Wave pool operating requirements shall comply with the provisions of Sections 115951 and 115952, Health and Safety Code.

NOTE: Authority cited: Sections ~~208~~ 131200 ~~and 24102~~, Health and Safety Code. Reference: Sections ~~24101.2~~ 116040, 116043 and ~~24101.3~~ 116050, Health and Safety Code.

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**8) Amend Section 65523 as follows:**

**65523. Operation Records.**

(a) Except as provided in Health and Safety Code, Section ~~24101.5~~ 116048, the operator of ~~each~~ every pool open for use shall ~~keep a daily record of information regarding operation, including readings of disinfectant residual, pH and maintenance procedures such as cleaning of filters and quantity of chemicals used.~~ test the characteristics of the pool and spa water and spa water temperature a minimum of once a day as specified in this Article. A daily record of these test results and operational or maintenance procedures shall be kept at the pool site.

(b) If cyanuric acid by itself or in a combined form with ~~the~~ a disinfectant is added to a pool, the cyanuric acid concentration shall be measured a minimum of once per month and ~~records shall be kept of~~ the results of such testing shall be recorded and maintained at the pool site.

(c) ~~Data collected pursuant to subsections (a) and (b) shall be maintained at least one year for inspection by the enforcing agent, or shall be submitted to the enforcing agent upon request.~~ If a fecal accident occurs in a pool, the operator shall record the occurrence in accordance with the requirements of Section 65546 and shall identify the pool if there is more than one on the premises. This record shall be kept at the pool site.

(d) Data collected pursuant to subsections (a), (b) and (c) shall be maintained at least one year for inspection by the enforcing agent or shall be submitted to the enforcing agent upon the agent's request.

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NOTE: Authority cited: Section~~s 208~~ 131200~~, 24101.5 and 24102~~, Health and Safety Code. Reference: Sections ~~24101.2~~ 116040, ~~24101.3~~ 116043, ~~and 24101.5~~ 116048 and 116050, Health and Safety Code.

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**9) Amend Section 65525 as follows:**

**65525. Recirculation and ~~Purification~~ Water Treatment System Operation.**

(a) The pumps, filters, disinfectant and chemical feeders, flow indicators, gauges and all related parts of the pool water ~~purification~~ recirculation and disinfection system shall be kept in operation ~~whenever~~ at all times the pool is available for use~~,~~ and at such additional times ~~and periods~~ as ~~may be~~ necessary to maintain the water ~~in~~ of the pool in a clear and disinfected condition.

(b) The variation in flow rate ~~during a filtration cycle~~ of an operating recirculation system shall be such as to not reduce the flow below 65 percent of the rate required in Section ~~2-9032 of~~ 3124B, Title 24, California ~~Administrative~~ Building Code.

NOTE: Authority cited: Section~~s 208~~ 131200 ~~and 24102~~, ~~H~~ealth and Safety Code. Reference: Sections ~~24101.3~~ 116043 and ~~24102~~ 116050, Health and Safety Code.

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**10) Amend Section 65527 as follows:**

**65527. ~~Clarity of~~ Water Clarity.**

The ~~recirculation and purification~~ water treatment system shall be operated and maintained so as to keep the pool water clean and clear. ~~Under no circumstances shall the~~

(a) The pool shall not be used if the main drain or drains ~~is~~ are not clearly visible from the deck. ~~Such a~~ The pool ~~shall be closed and~~ shall not be reopened for use until the water is clean and clear~~,~~ and upon specific written approval of the enforcing agent. If the pool drain or drains ~~is~~ still are not visible 48 hours following inspection and closure by the enforcing agent, the enforcing agent may order the pool drained ~~as a safety precaution~~.

(b) Any manmade lake or swimming lagoon with a sand beach or sand bottom shall be exempt from the water quality standard in subsection (a) if approved by the local health officer.

NOTE: Authority cited: Section~~s~~ ~~208~~ 131200 ~~and 24102~~, Health and Safety Code. Reference: Sections ~~24101.3~~ 116043, ~~24102 and 24103~~ 116050~~,~~ and ~~24104~~ 116055, Health and Safety Code.

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**11) Amend Section 65529 as follows:**

**65529. Disinfection.~~, pH Control and Cyanuric Acid~~**

(a) Pools, when open or in use, shall be disinfected continuously by a chemical which imparts a measurable residual effect within the specifications of Sections 65529, 65530 and 65531. ~~and shall be maintained in an alkaline condition at a pH between 7.2 and 8.0. For pools using hypochlorite or gaseous chlorine without a stabilizer, a free chlorine residual of at least 1.0 ppm shall be maintained throughout the pool. If cyanuric acid or a chlorinated isocyanurate is used, a free chlorine residual of at least 1.5 ppm shall be maintained throughout the pool. The cyanuric acid concentration in any pool shall not exceed 100 ppm. Appropriate test kits for measuring the pH, concentration of the disinfectant, and, when used, concentration of cyanuric acid shall be provided at each pool. If halogens other than chlorine are used, residuals of equivalent strength shall be maintained. A test kit for measuring the concentration of the disinfectant accurate to within 0.1 ppm shall be available at each pool.~~

(b) ~~When test kits for chlorine utilize comparative color standards, the standards shall be accurate to within plus or minus 0.1 ppm. There shall be at least four color standards as follows: 0.6, 1.0, 1.5 and 2.0. The test kit shall be capable of testing for free chlorine residual.~~ The minimum and maximum levels of disinfectant residuals shall be:

| | Free Chlorine Residual | | Bromine Residual | |
|---|---|---|---|---|
| | Minimum | Maximum | Minimum | Maximum |



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| | | | | |
|---|---|---|---|---|
| Pools* | 2.0 ppm* | 10.0 ppm | 4.5 ppm | 22.0 ppm |
| Spa Pools, Wading Pools and Spray Grounds | 3.0 ppm | 10.0 ppm | 6.5 ppm | 22.0 ppm |

* ppm: parts per million

(c) ~~The enforcing agent may accept other disinfecting materials or methods after they have been demonstrated to provide a readily measurable residual. Such materials or methods must not be dangerous to public health or create objectionable physiological effects.~~ In addition to the requirements in subsections (a) and (b), spray ground pools, when open or in use, shall be disinfected continuously by ultraviolet light disinfection units in accordance with the NSF/ANSI 50-2010 standard, or equivalent as approved by the enforcing agent.

(d) The enforcing agent shall accept other disinfecting materials or methods after they have been demonstrated to provide a readily measurable disinfectant residual in the pool. Such materials or methods shall be at least as effective as the required chlorine concentration and shall not cause adverse physiological effects to pool users.

(e) A test kit shall be maintained for measuring the concentration of disinfectant, pH, total alkalinity, and cyanuric acid and shall be available at the pool site to the pool operator and the enforcing agent at all times the pool is in operation. The chlorine or bromine test kit shall be the Diethyl-P-Phenylene Diamine (DPD) type or otherwise be capable of testing free halogen residual.

NOTE: Authority cited: Section~~s 208~~ 131200 ~~and 24102~~, Health and Safety Code. Reference: Sections ~~24101.3~~ 116043 and 116050, Health and Safety Code.

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**12) Add Section 65530 as follows:**

**65530. Pool Water Characteristics.**

Pool water characteristics shall be maintained within the following ranges:

| | Minimum | Maximum |
|---|---|---|
| pH | 7.2 | 7.8 |
| Total Alkalinity | 80 ppm | 180 ppm |
| Cyanuric Acid | 0.0 ppm | 100 ppm |
| Combined Chlorine | 0.0 ppm | 0.5 ppm |
| ORP | 650 mV | 900 mV |
| Temperature | NA | $104^0$ F |

NOTE: If oxidation-reduction potential (ORP) readings are used in conjunction with chlorine and bromine, they shall be maintained at values no less than 650 millivolts (mV) nor greater than 900 millivolts.

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

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**13) Amend Section 65531 as follows:**

**65531 ~~Bacteriological and Chemical Quality of Pool~~ Water ~~-~~Quality Standards.**

(a) ~~Bacteriological~~ Microbiological quality of water in the pool shall ~~be such that not more than two consecutive samples, taken when the pool is in use, shall~~ comply with the following:

(1) ~~Contain more than 200 bacteria per millimeter, as determined by the standard (35° C) plate count; or~~ Standard Plate Count (Heterotrophic Plate): The number of colony forming units (CFU) shall not exceed 200 colonies per milliliter.

(2) ~~Contain a total coliform organism MPN (most probable number) count of 2.2 or greater per 100 milliliters of sample.~~ Total Coliform:

(A) If the multiple-tube fermentation method is used, the most probable number (MPN) shall be less than 2.2 per 100 milliliters.

(B) If the membrane filtration technique is used, the number of coliform organisms shall be less than one colony per 100 milliliters.

(C) If a quantitative method including Idexx Colilert - 18 is used, a MPN shall be less than or equal to one per 100 milliliters.

(b) Chemical quality of water in the pool shall not cause adverse physiological effects such as irritation of eyes or skin ~~of~~ on the pool users ~~bathers, or have other objectionable physiological effects on bathers~~.

NOTE: Authority cited: Section~~s 208~~ 131200 ~~and 24102~~, Health and Safety Code. Reference: Sections ~~24101.3~~ 116043 and 116050, Health and Safety Code.

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**14) Amend Section 65533 as follows:**

**65533. Cleanliness of Pool.**

(a) Floating scum, sputum or debris shall not be allowed to accumulate in the pool. Skimmers, where provided, and water levels shall be maintained and operated to remove such material continuously. ~~The bottom and sides and other surfaces of the pool shall be cleaned as often as necessary to be kept in a clean condition. The sides and bottom of pools, decks, and other surfaces shall be kept free of slime and algae.~~

(b) ~~Animals shall not be permitted in the pool or pool area.~~ The bottom, sides and other surfaces of the pool shall be cleaned as often as necessary to be kept in a clean condition and free of slime and algae.

NOTE: Authority cited: Section~~s 208~~ 131200~~ and 24102~~, ~~H~~ealth and Safety Code. Reference: Sections ~~24101.3~~ 116043 and 116050, Health and Safety Code.

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**15) Add Section 65534 as follows:**

**65534. Animals**

Animals shall not be permitted in the pool area or spa area except as provided by Section 54.1, Civil Code.

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

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**15) Amend Section 65535 as follows:**

**65535. Cleaning and Maintenance.**

(a) All parts of the pool and ~~related~~ pool ~~facilities and~~ equipment shall be maintained in good repair. ~~Floors shall be kept free from cracks and other defects and in compliance with Section 2-9021, Title 24, California Administrative Code. Walls, ceilings, partitions, doors, lockers and similar surfaces and equipment shall be refinished in a manner acceptable to the enforcing agent as often as necessary to be kept in a state of good repair.~~

(b) ~~Hoses shall be provided for regular flushing and cleaning.~~ The ~~whole pool area,~~ pool deck, adjoining pool areas, and ancillary facilities shall be kept clean~~,~~ ~~sanitary~~ and free of slime, algae, litter and vermin.

(c) Toilets, urinals, showers, wash basins and other plumbing fixtures shall be maintained in a clean condition~~,~~ and in good repair.

NOTE: Authority cited: Section~~s 208~~ 131200 ~~and 24102~~, Health and Safety Code. Reference: Sections ~~24101.3~~ 116043 and 116050, Health and Safety Code.

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**16) Amend Section 65537 as follows:**

**65537. ~~Bathing~~ Swim Suits, Caps and Towels.**

~~Bathing~~ Swim suits and towels furnished by the ~~management~~ pool owner or operator shall be laundered ~~and clean~~ after each use, and caps furnished by the pool owner or operator shall be cleaned ~~sanitized~~ after each ~~usage~~ use.

NOTE: Authority cited Section~~s 208~~ 131200 ~~and 24102~~, Health and Safety Code. Reference: Sections ~~24101.3~~ 116043 and 116050, Health and Safety Code.

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**17) Amend Section 65539 as follows:**

**65539. Lifesaving~~, First Aid~~ and Control of ~~Bathers~~ Pool Users.**

(a) Lifeguard services shall be provided in accordance with Sections ~~24100.1 and 24101.4~~ 116028, 116033 and 116045, ~~of~~ the Health and Safety Code. Written proof of compliance with the certification requirements of Sections 116028 and 116033, Health and Safety Code, shall be available for inspection by the enforcing agent for each lifeguard at the pool.

(b) Where lifeguard service is provided, the number of lifeguards shall be adequate to maintain continuous surveillance over the ~~bathers~~ pool users.

(c) ~~Where no lifeguard service is provided, a warning sign shall be placed in plain view and shall state "Warning- No Lifeguard on Duty" with clearly legible letters at least 10.2 centimeters (4 inches) high. In addition, the sign shall also state "Children Under the Age of 14 Should Not Use Pool Without an Adult in Attendance."~~ Lifeguard service at wave pools shall comply with the provisions of Section 115952, Health and Safety Code.

(d) ~~The enforcing agent may require posting of notices directing the bathers to make use of the toilets and showers before entering the pool. At all pools, diagrammatic illustrations of artificial respiration procedures shall be posted where clearly visible from the nearby deck. Such illustrations shall be protected against the elements. Also, the telephone number of the nearest ambulance, fire and police or sheriff's department shall be kept similarly posted along with the instructions that, if needed, manual or mouth-to-mouth artificial respiration should be started immediately and continued until a physician arrives or mechanical~~

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~~resuscitators are applied.~~ Lifeguards on duty only shall provide lifeguard services as defined in Section 116028, Health and Safety Code.

(e) ~~Every swimming pool shall be equipped for safety and rescue procedures with one or more rescue poles not less than 3.5 meters (12 feet) in length with body hooks, and one or more life rings having a minimum exterior diameter of 43 centimeters (17 inches) readily accessible for use. Such life rings shall have attached to them an 0.476 centimeter (3/16-inch) line long enough to span the maximum width of the pool. The line shall be stored when not in use in such a way as to prevent kinking or fouling. When rescue can be effected from the perimeter of a spa pool, such a pool may be exempt from the requirements of this paragraph if so approved by the enforcing agent.~~ Lifeguards shall wear apparel which clearly identifies them to pool users.

(f) When, in the opinion of the enforcing agent, any pool is of such size that unaided swimming~~s~~ by lifeguards may not offer sufficient protection to swimmers, one or more paddle boards or square-sterned boats equipped with oars, oarlocks and life rings~~, or paddle boats~~, as the enforcing agent shall order, shall be provided.

~~(g) A first aid kit shall be provided at all swimming pools when required by the enforcing agent.~~

NOTE: Authority cited: Section~~s~~ ~~208~~ 131200 ~~and 24102~~, Health and Safety Code. Reference: Sections 115950, 116028, ~~24101.2~~ 116040, ~~24101.3~~ 116043, and ~~24102~~ 116050, Health and Safety Code.



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**18) Add Section 65540 as follows:**

**65540. Safety and First Aid Equipment.**

(a) The following safety and first aid equipment shall be provided and maintained readily visible and available for use in the pool area at all times:

(1) A 17-inch minimum exterior diameter life ring with an attached throw rope of 3/16-inch minimum diameter. The throw rope shall be a nonkinking type of line with sufficient length to span the maximum width of the pool.

(2) A 12-foot minimum fixed length rescue pole with a permanently attached body hook.

(b) For pools with lifeguard personnel on duty each pool area shall have the following additional safety equipment:

(1) A Red Cross 10-Person Industrial First Aid Kit.

(2) An operating telephone.

(3) A backboard and head immobilizer.

(c) Pools that exceed 75 feet in length or 50 feet in width shall provide a rescue pole and a life ring on at least two opposing sides of the pool at centralized locations.

(d) For wave pools the operator shall provide the lifevests as specified in Sections 115952, Health and Safety Code.

NOTE: Authority cited: Section 131200, Health and Safety Code. Reference: Sections 115950, 116040, 116043 and 116050, Health and Safety Code.

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**19) Amend Section 65541 as follows:**

**65541. Health of Employees and ~~Patrons~~ Pool Users.**

(a) No person having a communicable disease shall ~~be employed at a~~ work while infectious in any capacity involving contact with the pool users, the pool water and the operation of the pool equipment or sanitary facilities at a public ~~swimming~~ pool unless consent is provided by a licensed physician as prescribed in subsection (b).

(b) ~~All patrons~~ No pool worker or pool user ~~known to be, or suspected by the enforcing agent or the management of being afflicted with an infectious disease,~~ having a communicable disease while in an infectious state that includes suffering from a cough, cold ~~or~~ sores, ~~or wearing bands or bandages~~ nasal or ear discharges or wearing bandages shall be ~~excluded from all public bathing places~~ allowed to enter the pool water unless ~~at least one of the following conditions is met:~~

~~(1)~~ ~~T~~the ~~patron~~ pool worker or pool user submits a current written statement to the pool operator, signed by a licensed physician, confirming that the ~~patron~~ pool worker or pool user does not present a health hazard to others ~~pool users~~ using the pool or pool areas.

~~(2) Pool use by patron is approved by the enforcing agent~~.

(c) Pool workers or pool users having diarrhea currently active or active within the previous 10 days shall not be allowed to enter the pool water. Signs stating this prohibition shall be posted at the entrance area at all public pool

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facilities so that they are legible and in a language that pool users can understand.

(d) If two or more lifeguards at a public pool report to the pool operator or manager that they have had diarrhea within 5 days of each other, the pool operator or manager shall report this to the enforcing agent or to the local health department.

(e) If three or more pool users at a public pool report to the pool operator or manager that they have had diarrhea soon after using the pool, the pool operator or manager shall report this to the enforcing agent or to the local health department.

NOTE: Authority cited: Section~~s 208~~ 131200 ~~and 24102~~, Health and Safety Code. Reference: Sections ~~24101.2~~ 116028, 116040, ~~24101.3~~ 116043, and ~~24102~~ 116050, Health and Safety Code.

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**20) Repeal Section 65543 as follows:**

**65543. Wading Pool - Water Clarity.**

~~The water of every wading pool shall be kept sufficiently clear so that the bottom of the wading pool will be visible at all times.~~

NOTE: Authority cited: Sections 208 and 24102, Health and Safety Code. Reference: Sections 24101.3, Health and Safety Code.

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**21) Amend Section 65545 as follows:**

**65545. Pool Closure.**

~~(a) If, in the opinion of the enforcing agent, a~~ A pool that is maintained or operated in a manner which creates an unhealthful~~,~~ or unsafe~~, or unsanitary~~ condition such as fecal contamination, failure to meet water clarity requirements, inadequate disinfection, improper pH, failure to meet microbiological standards or unsafe conditions such as missing or broken suction grates, ~~the pool~~ may be closed for use by the enforcing agent. Such a pool shall not be reopened until ~~correction is made,~~ the unhealthful or unsafe condition has been rectified and upon specific written approval of the enforcing agent.

~~(b) Unhealthful, unsafe or unsanitary conditions include, but are not limited to, the failure to meet clarity, disinfection, pH, safety or bacteriological standards.~~

NOTE: Authority cited: Section~~s 208~~ 131200 ~~and 24102~~, Health and Safety Code. Reference: Sections ~~24101.2~~ 116040, ~~24101.3~~ 116043, 116050 and ~~24104~~ 116055, Health and Safety Code.

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**22) Add Section 65546 as follows:**

**65546. Fecal Accident Response.**

(a) In responding to a fecal accident the pool operator shall conform to the following procedures:

(1) If the fecal material is a formed stool, then the procedures include:

(A) Close the pool to pool users. If the pool is one of multiple pools that use the same filtration system, then all pools shall be closed to pool users. No one shall be allowed to enter the pool(s) until the disinfection process has been completed.

(B) Remove as much of the fecal material as possible using an item such as a net or bucket. Dispose of the fecal material in a sanitary manner. Clean and disinfect the item used to remove the fecal material.

(C) Raise the free chlorine concentration in the pool to 2 ppm if the free chlorine is less than 2 ppm. Ensure that the pH of the pool is 7.5 or less and the temperature of of the pool is 77°F (25°C) or higher. This chlorine concentration is used to keep the pool closure time to approximately 30 minutes. Other chlorine concentrations or closure times can be used as long as the contact time (CT) inactivation value for Giardia inactivation of at least 45 is achieved as described in subparagraph (D) below.

(D) Giardia Inactivation Time for a Formed Stool Fecal Incident:

| Free Chlorine Level (ppm) | Contact Time | CT Inactivation Value |
|---|---|---|
| 1.0 | 45 minutes | 45 |
| 2.0 | 25 minutes | 50 |



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| | | |
|---|---|---|
| 3.0 | 19 minutes | 57 |

(E) Maintain free chlorine concentration in the pool at 2 ppm, and the pH of the pool at 7.5 or less, for at least 25 minutes before reopening the pool. Ensure that the filtration system is operating while the pool reaches and maintains the proper free chlorine concentration during the disinfection process.

(F) Do not allow pool users back into the pool until after the required CT inactivation value has been achieved and the free chlorine concentration and pH of the pool have returned to normal operating ranges in accordance with Sections 65529 and 65530.

(2) If the fecal material is a loose stool, then the procedures to be followed include:

(A) Close the pool to pool users. If the pool is part of multiple pools that use the same filtration system, then all pools shall be closed to pool users. No one shall be allowed to enter the pool(s) until the disinfection process has been completed.

(B) Remove as much of the fecal material as possible using an item such as a net or bucket. Dispose of the fecal material in a sanitary manner. Clean and disinfect the item used to remove the fecal material.

(C) If necessary, before attempting the hyperchlorination of the pool, consult an aquatics professional to determine the feasibility of, the most optimal and practical methods for, and needed safety considerations for hyperchlorination of the pool.

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(D) Raise the free chlorine concentration in the pool to 20 ppm. Ensure that the pH of the pool is 7.5 or less and the temperature of of the pool is 77°F (25°C) or higher. The free chlorine concentration and pH should remain at these levels for at least 12.75 hours to achieve the CT inactivation value of at least 15,300 for Cryptosporidium (Crypto) inactivation. Other chlorine concentrations or closure times can be used as long as the CT inactivation value for Crypto inactivation of at least 15,300 is achieved as described in subparagraph (E) below.

(E) Crypto Inactivation Time for a Loose Stool Fecal Incident:

| Free Chlorine Level (ppm) | Contact Time | CT Inactivation Value |
|---|---|---|
| 10 | 1,530 minutes (25.5 hours) | 15,300 |
| 20 | 765 minutes (12.75 hours) | 15,300 |
| 40 | 383 minutes (6.5 hours) | 15,320 |

(F) Ensure that the filtration system is operating while the pool reaches and maintains the proper free chlorine concentration during the disinfection process.

(G) Backwash the filter after reaching the CT inactivation value. Be sure the effluent is discharged directly to waste and in accordance with State or local regulations. Do not return the backwash through the filter. Replace the filter media if necessary.

(H) Do not allow pool users back into the pool until after the required CT inactivation value has been achieved and the free chlorine concentration and pH of the pool have returned to normal operating ranges in accordance with Sections 65529 and 65530.

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(b) The operator shall document each fecal contamination event and maintain records in accordance with Section 65523 as follows:

(1) The date and time of the event, the available free chlorine and pH level at the time of the event, after the event, and before re-opening the pool to the public.

(2) Whether the stool is formed or loose.

(3) The procedures followed in responding to the fecal contamination event.

(4) The number of pool users in the pool and the length of time between the occurrence, detection and resolution of the incident.

NOTE: Guidelines developed by the national Centers for Disease Control and Prevention (CDC) for responding to fecal accidents may be viewed at: http://www.cdc.gov/healthyswimming/fecalacc.htm.

NOTE: Authority cited: Section 131200, Health and Safety Code. Reference: Sections 116040, 116043, 116050 and 116055, Health and Safety Code.

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**23) Amend Section 65547 as follows:**

**65547. Compressed ~~Chlorine~~ Gas Chlorine Safety Requirements.**

~~(a) When compressed chlorine gas is employed, the following requirements shall be met:~~

~~(1) A solution of commercial strength ammonia shall be kept available for use in testing for chlorine gas leaks.~~

~~(2) A gas mask designed for use in a chlorine atmosphere shall be provided unless a self-contained breathing apparatus meeting the requirements of paragraph (a) (3) is provided. Gas masks shall be of a type approved by the U.S. Bureau of Mines and/or the National Institute for Occupational Safety and Health. The following requirements for gas mask canisters shall be met:~~

~~(A) A replacement canister shall be provided and kept serviceable. Any canister which has been utilized during chlorine leakage shall be discarded and a replacement canister provided.~~

~~(B) The date of attaching a canister to the mask breathing tube shall be recorded on the canister. The canister shall be discarded one year from the date of attachment, or sooner if the canister is expended as shown by the indicator color change.~~

~~(C) Date stamped expired canisters shall be replaced with unexpired, unused canisters.~~

~~(3) A self-containing breathing apparatus may be used in place of a gas mask only if all pool attendants and lifeguards who may be responsible for the health and safety of pool users have received formal training in the use of the~~

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~~equipment. Following initial formal training, responsible pool attendants and lifeguards shall receive refresher training at least once every six months if working at pools which are open year-round. For pools open on a seasonal basis, all returning responsible personnel shall receive retraining on the use of the equipment before the pool is opened for the season. The self-contained breathing apparatus provided shall comply~~ provided it is used in compliance ~~with the provisions of Section 5144 of Title 8, California Administrative Code, and the following:~~

~~(A) Only parts approved for the specific respiratory system shall be used for replacement.~~

~~(B) The respirator equipment shall be kept at a readily accessible point outside the room in which the chlorinator is maintained.~~

~~(4) All swimming pools with gas type automatic chlorinators shall post in a conspicuous location near the entrance to the pool an emergency pool evacuation procedure.~~

~~(A) Emergency exit doors or gates shall not be locked when the pool is open for use. Keys to such doors and gates shall be readily available to pool attendants and lifeguards.~~

~~(B) Pool attendants and lifeguards shall receive training in the application of effective pool emergency procedures. Such training shall be reviewed at least once every six months for pools open year-round. For pools open on a seasonal basis, training in emergency procedures shall be conducted before the pool is opened for the season.~~ When compressed gas chlorine is in use, the pool

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operator shall comply with the general safety requirements in Section 6720, Division 6, Title 3, California Code of Regulations or applicable requirements of Title 8, California Code of Regulations including the respiratory protection requirements in Section 5144, the hazardous materials business plan requirements in Sections 25500 to 25520, California Health and Safety Code, the fire code requirements commencing with Section 101.1, Title 24, California Code of Regulations and the risk management plan requirements in Sections 25531 to 25543.3, California Health and Safety Code

NOTE: Authority cited: Section~~s 208~~ 131200~~ and 24102~~, Health and Safety Code. Reference: Sections ~~24101.2~~ 116040, ~~24101.3~~ 116043 and ~~24102~~ 116050, Health and Safety Code.

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**24) Amend Section 65549 as follows:**

**65549. Replacement of Equipment or Appurtenances.**

When fixed or installed equipment or appurtenances are changed or replaced, the change or replacement units shall meet applicable requirements of this Chapter and Chapter 31B, Title 24, California Building Code ~~subject to the provisions of Section 24102 of the Health and Safety Code, and shall first be cleared by the enforcing agent before substitution if not an exact duplicate of the units being changed or replaced~~.

NOTE: Authority cited: Section~~s 208~~ 131200 ~~and 24102~~, Health and Safety Code. Reference: Sections ~~24101.1~~ 116038, ~~24101.3~~ 116043 and ~~24102~~ 116050, Health and Safety Code.

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**25) Amend Section 65551 as follows:**

**65551. Shower, Toilet and Dressing Facilities.**

(a) For shower, toilet and dressing facilities, the walls, partitions, doors, lockers and similar surfaces which require periodic cleaning shall be maintained smooth and finished so as to facilitate cleaning. All employee and public restrooms and all fixtures shall be maintained in operating condition and in a clean and sanitary condition when available to pool users.

(b) Showers shall be provided with soap in soap dispensers or containers.

(c) For toilet facilities~~,~~ toilet tissue, handwashing ~~detergent or~~ soap~~,~~ and sanitary towels or hot air blowers~~, and toilet tissues~~ shall be provided in permanently installed dispensing devices. Duckboards and footbaths are prohibited.

(d) A minimum of one waste receptacle shall be provided and maintained in a clean and sanitary condition.

NOTE: Authority cited: Section~~s~~ ~~208~~ 131200~~ and 24102~~, Health and Safety Code. Reference: Section~~s~~ ~~24101.3~~ 116043 and 116050, Health and Safety Code.

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