

# MARICOPA COUNTY ENVIRONMENTAL HEALTH CODE

## CHAPTER VI

### BATHING PLACES - PUBLIC AND SEMIPUBLIC SWIMMING POOLS

#### SECTION 10

#### SPECIAL USE POOLS

In addition to complying with the Regulations in Sections 1, 2, 3, 4, and 5 of this Chapter, Special Use Pools shall comply with the following Regulations:

#### **REGULATION 1. Supplemental Standards and Requirements**

Persons intending to construct a special use pool shall notify the Department and provide plans, specifications and a description of the intended use. The Department will determine which of the Regulations in this Chapter apply to the proposed special use pool. The Department may, at its discretion, establish additional standards or requirements for special use pools, taking into consideration the intended use of the pool, the conditions under which it will be operated and any special circumstances. Where applicable, the Department may consider the design requirements prescribed by an official sanctioning athletic body such as the National Collegiate Athletic Association (NCAA), National Federation of State High School Associations (NFSHSA), U.S. Swimming, U.S. Diving, or the Federation Internationale de Natation Amateur (FINA) in using best professional judgment to approve a special use pool that is intended for competitive swimming and diving.

#### **REGULATION 2. Alternate Design**

Where an alternate design for a bathing place or any part thereof is proposed, which complies in principle with the provisions of this code, such design may be approved by the Department.

#### **REGULATION 3. Exercise or Training Bars**

- a. A swimming pool designed with exercise or training bars in the pool shall be restricted to special use when the bars are located in the pool.
- b. Bars shall be constructed of durable material and be reasonably resistant to corrosion under conditions of operations.
- c. Bars shall be sealed, welded shut or capped at both ends to prevent retention of water within the bars.

- d. Bars may be removable. The bars then shall be wedges anchored in place with a cover plate provided. Watertight anchor plugs (95 percent efficiency) shall be provided when the bars have been removed.
- e. Bars shall extend not more than four (4) inches from the side of the pool into the water.
- f. The clear opening from the inside of the bar to the side of the pool shall not be less than two (2) inches or more than two and one-fourth (2 1/4) inches.

**REGULATION 4. Ramps**

Where a ramp is to be installed in a swimming pool, the ramp shall be constructed:

- a. Of non-slip material;
- b. With a slope not to exceed one (1) foot in 12 feet;
- c. With a width of at least three (3) feet;
- d. With a level platform at the top and bottom of the ramp;
- e. With at least a three and one-half (3 1/2) feet high guardrail installed on the deck from eight (8) inches beyond where the slope for the ramp terminates and extending the length of the ramp; and
- f. With return(s) to be located on the pool and ramp walls along the length of the ramp.

**REGULATION 5. Spray Ponds**

- a. All spray ponds shall use potable water.
- b. Spray ponds (semipublic and public) shall comply with code references specified in a., b., c. and d. of this Regulation:
  - (1) Semipublic spray pond regulation stipulated under Chapter VI, Sections 1 through 5 and 7.
  - (2) Public spray pond regulation stipulated under Chapter VI, Sections 1 through 6.
- c. Spray ponds in which water is recycled shall be regulated as a special use pool (Chapter VI, Section 10).
- d. Spray ponds shall:
  - (1) Be made of durable material that is impervious to moisture and retains a non-slip texture that causes no discomfort to bare feet;

- (2) Be completely free of obstructions that may be hazardous to children;
- (3) Have a floor with a maximum slope of one (1) in ten (10);
- (4) Be entirely surrounded by a walkway at least four (4) feet wide, which falls away from the pool or basin edge at a uniform slope of not less than one-fourth (1/4) inch per one (1) foot;
- (5) Have a fence or other barrier with controlled access surrounding the spray pond and walkways to prevent the easy access of non-users and pets; and
- (6) Have a turnover time of no more than one (1) hour.

**REGULATION 6. Water Features**

The water features listed in this regulation may also be approved by the Department for installation at places other than special use type bathing places when the design and placement of the water feature prevents a hazard to bathers.

- a. In-ground water spray features without floor pod control, including vertical sprays, soft laminar sprays, spray arches, geysers, misters, inverters and similar designs, shall conform to the following:
  - (1) The height of the water column shall not exceed four feet.
  - (2) The holes in the floor fitting shall not exceed 5/16 of an inch.
  - (3) The velocity at the nozzles shall not exceed twenty feet per second.
- b. In-ground water spray features with floor pod control, including vertical sprays, laminar cone sprays, geysers, misters, inverters and similar designs, shall conform to the following:
  - (1) Items 6.a.1. through 3. above.
  - (2) All exposed hardware and any other sharp projections, if they exist, shall be covered to prevent injuries to bathers.
  - (3) The holes in the floor fittings shall not exceed 5/16 of an inch.
- c. Low profile water toys that protrude above the surface of a spray pond that produce flow streams, including dome sprays, spray loops, water cannon, cascading water toys and similar designs, shall conform to the following:
  - (1) The diameter of the piping shall be at least 4 inches to prevent a climbing hazard.
  - (2) All exposed hardware and any other sharp projections, if they exist, shall be covered to prevent injuries to bathers.
  - (3) The water velocity at any nozzle shall be restricted to twenty feet per second.
  - (4) If there are nozzles, they must not stick out in a way that could cause injuries to bathers.
- d. Water toys that protrude above the surface of a spray pond that produce flow streams overhead, including dumping buckets, dumping toys, cascading water domes, raining toys, multiple spray and dumping structures, tunnel sprays, water cannon and similar designs, shall conform to the following:
  - (1) The velocity at the nozzles shall be restricted to twenty feet per second.

- (2) The nozzles shall not stick out in a way that could cause injuries to bathers.
  - (3) All exposed hardware and any other sharp projections, if they exist, shall be covered to prevent injuries to bathers.
  - (4) The height of the water column shall not exceed six feet.
  - (5) The holes in the floor fitting shall not exceed 5/16 of an inch.
  - (6) There shall be eight feet of clearance between the pond bottom and the water feature to prevent injuries to bathers.
  - (7) There shall be a 1/8-inch drain hole in the dumping chamber.
- e. The Department may require an owner to apply for and receive a variance prior to installing a water feature that uses materials, equipment, or design features that have not been previously approved by the Department.

### **REGULATION 7. Non-Rigid Surfaces**

The use of rubberized, non-rigid, cushioned surfaces may be allowed on the spray pond provided the following requirements are met:

- a. The rubberized surface shall be resistant to chlorine solutions in a wet environment.
- b. The applicant shall submit an operation and maintenance manual from the manufacturer of the rubberized surface as part of the application showing that the rubberized material is suitable for this purpose.
- c. The rubberized surface shall be installed on a flat or concave rigid surface.
- d. The rubberized surface shall not be installed in a cave structure if it is to be continuously wetted in a dark and enclosed environment.
- e. The underlying concrete surface shall be sufficiently pitched to allow water to flow to a surface drain.
- f. The Department may periodically require the owner to remove an area of the rubberized surface for inspection for contamination under the surface.
- g. The rubberized surface shall be cleaned at least weekly.