

## **Regulations for Spray Grounds**

### ***3701-31-04 Responsibilities of the licensee (applies to all spray grounds regardless of construction date)***

---

- (B)(6)(m).....Mixing/holding tank shall operate without dead spots, be cleaned and drained at least every 120 days.
- (B)(6)(x).....The pad of a spray ground shall be maintained to prevent excessive accumulation of vegetation or debris on its surface.
- (D)(3)..... Mixing holding tank shall have sufficient disinfection residual
- (D)(6)..... Disinfectant residuals – chlorine 2.0, bromine 4.0
- (E)(3)(g)..... Spray ground warning signs. Within one year from the effective date of this chapter all spray grounds shall post the warning sign in accordance with paragraph (Y)(9) of rule 3701-31-5.1 of the Administrative Code.

### ***3701-31-05.1 Design criteria for new construction or substantial alteration of a public swimming pool on or after April 1, 2011***

---

- (F)(1)(d)(i).....30 min. turnover rate
- (Y)(2)..... A spray ground shall operate separately from any other public swimming pool or aquatic attraction, except as follows:
- (a) As part of a public swimming pool circulation system provided the supply water to the spray ground is from the circulation system of a licensed public swimming pool or from the public swimming pool itself. Discharge water from the spray features shall only be returned to the public swimming pool filtration system for treatment.
    - (a)(i) A holding tank may be used as follows:
      - (a)(i)(a) To supply water to the spray features (to avoid "draw down" provided it does not receive any raw water discharge from the spray pad;
      - (a)(i)(b) To maintain the required disinfection residuals;
      - (a)(i)(c) To adequately circulate the water to prevent "dead spots" that may lead to the proliferation of pathogens; and
      - (a)(i)(d) There shall be an access cover for cleaning and for collecting samples, as may be required.
- (Y)(3)..... Spray grounds that operate independently from a public swimming pool shall have a mixing-holding tank, as follows:
- (a) The mixing-holding tank capacity shall be at least five times the combined design flow (gpm) of the spray features to address drawdown and to provide adequate circulation within the tank;
  - (b) The mixing holding tank shall be designed and installed as one chamber;
  - (c) Alterations or additional spray features shall be approved by the director;

- (d) The circulation turnover rate within the mixing-holding tank shall be no more than thirty minutes;
- (e) A "trash trap" or similar method shall be provided to remove surface debris between the spray pad outlet and the mixing-holding tank;
- (f) Discharge water from the spray pad shall drain to a mixing-holding tank;
- (g) The mixing-holding tank shall have one inlet for every fifteen feet of tank perimeter, but not less than two inlets, to prevent circulation "dead spots" and the growth of bacteria or other pathogens within the tank;
- (g)(i) Discharge water into the mixing-holding tank shall be on the opposite side from the treated water returned to the tank;
- (h) The treated water from the filtration-disinfection system shall be returned to the mixing-holding tank on the opposite side from the untreated water and not more than six inches from the tank floor, to increase circulation within the tank;
- (i) The spray features supply intake line shall be located as close as possible to the treated return water inlet from the filter where it enters the mixing tank, and not more than six inches from the tank floor to increase circulation within the tank;
- (j) There shall be at least one access panel to allow service, cleaning and inspection of the entire tank, piping, fixtures and any equipment inside the mixing-holding tank and for collecting samples as may be required; and
- (k) There shall be an outlet in the bottom of the mixing tank to completely drain and clean the tank at least once every one hundred twenty days;
- (i) An automatic water level controller may be installed on the mixing tank to control the water level provided the appropriate crossconnection/back flow prevention control devices are installed.

(Y)(4)..... The circulation (treatment) system and the special features system shall be separate systems.

- (a) The spray ground circulation system shall operate continuously twenty-four hours a day during all parts of the year the spray ground is in use;
- (b) The special features system(s) shall not operate if the circulation system is not operating.

(Y)(5)..... A spray ground shall have a disinfection system and an automatic chemical controller to monitor and adjust water quality

(Y)(6)..... The spray pad represents the spray zone for the special features and collects water to be directed to an outlet as follows:

- (a) The spray pad shall slope to an outlet with no accumulated standing water above the level of the outlet. The maximum floor to pad slope will be less than one inch per foot;
- (b) The spray pad surface shall be slip resistant with no obstructions that can create a trip or safety hazard; and
- (c) Outlets shall be flat or installed to prevent a trip hazard.

(Y)(7)..... The special features and fountains at spray grounds shall be designed as follows:

- (a) Special features for a spray ground shall be limited to fountains or similar attractions;
- (b) When the special features are not operating water shall automatically drain from the spray pad;
- (c) Special feature fountains shall either be flush with the spray pad surface or high enough to be seen to prevent slip, trip or fall hazards; and
- (d) Spray feature inlets/nozzles shall be designed and maintained free of safety hazards.

(Y)(8)..... Walkways/deck. Each spray ground will have a slip resistant walkway at least five feet in width around the perimeter of the attraction.

- (a) Walkways shall slope away from the spray pad with a slope not to exceed one quarter inch per foot. For indoor attractions the walkway shall drain to waste with an indirect connection to the sanitary sewer per the Ohio building code.

(Y)(9)..... Warning signs. Within one year from the effective date of this chapter all spray grounds shall post the following warning sign using the same or similar language:

- DO NOT USE POOL WHEN YOU HAVE DIARRHEA
- WATER IS NOT MEANT FOR DRINKING
- WASH HANDS AFTER USING THE REST ROOM OR CHANGING DIAPERS
- TAKE REGULAR REST ROOM BREAKS, CHANGE DIAPERS ONLY IN A RESTROOM

- (a) Safety recommendations, as provided by the manufacturer or designer, shall be posted conspicuously.