

Recreational Aquatic Spray Ground Operation Report and Disinfection Instructions

Chemical Disinfection:

The spray ground water chemical disinfectant residual must be checked at least three times (3x) a day, especially before and after periods of heavy use. Chlorine and bromine levels must be measured with a DPD test kit.

1. The use of cyanuric acid or a chlorine compound containing cyanuric acid is prohibited.
2. Section 6-3.11(c) of Subpart 6-3 of the New York State Sanitary Code specifies the minimum disinfectant residual as follows:
 - When calcium hypochlorite or sodium hypochlorite is used for disinfection, a minimum concentration of 2.0 mg/l free chlorine residual must be maintained and the maximum free chlorine residual shall not exceed 10.0 mg/l.
 - When bromine is used as the disinfectant, a minimum concentration of 4.4 mg/l bromine residual must be maintained.
3. pH must be maintained between 7.2 and 7.8.

Ultraviolet Light (UV) Disinfection:

The ultraviolet light unit's intensity meter reading must be monitored and recorded at least two times daily. Each UV light system has a pre-established setpoint intensity that is necessary for adequate disinfection. When the measured lamp intensity falls below the setpoint intensity, conditions causing decreased ultraviolet light intensity at the sensor shall be evaluated and corrected. The ultraviolet lamp(s) shall be replaced when the decreased ultraviolet light intensity is due to lamp failure.

Other Requirements:

A spray ground operator must notify the local health department (LHD) within 24 hours of any incidence of illness associated with water quality and/or a serious injury that results in death, requires resuscitation or referral to a hospital or other facility for medical attention.

A copy of the operation report must be maintained at the facility for 12 months. When required by the permit-issuing official, a copy of the operation report shall be sent to the LHD.

List other operation and maintenance activities/services that are not specified on the front of this form. Include UV lamp replacement(s), water contamination incidents, equipment/re-circulation system repair, etc. LHD approval is required for equipment replacement or modification.

Date	Description of Activity/Service