



## Public Swimming Pool Chemistry Requirements

|                      | Pool           | Wading Pool    | Spa (max 104°F) |
|----------------------|----------------|----------------|-----------------|
| <b>Chlorine</b>      | 1.0 – 10.0 ppm | 1.0 – 10.0 ppm | 2.0 – 10.0 ppm  |
| <b>Bromine</b>       | 2.0 – 20.0 ppm | 2.0 – 20.0 ppm | 4.0 – 20.0 ppm  |
| <b>pH</b>            | 7.2 – 7.8      | 7.2 – 7.8      | 7.2 – 7.8       |
| <b>Alkalinity</b>    | ≥50 ppm        | ≥50 ppm        | ≥ 50 ppm        |
| <b>Cyanuric Acid</b> | < 100 ppm      | < 100 ppm      | < 100 ppm       |

### Important Public Swimming Pool Requirements

**Water Clarity:** Bottom drain must be clearly visible at all times.

**Temperature:** Maximum 104°F (for spas). There is no minimum temperature requirement.

**Superchlorination** is the process of adding enough free chlorine residual to reach at least ten (10) times the combined chlorine level. This free chlorine level must be maintained for one complete turnover (6 hours for a swimming pool; 2 hours for a wading pool; 30 minutes for a spa). The pool must remain closed until the free chlorine residual is below 5.0 ppm. Higher Disinfection levels are required for fecal accidents.

**Critical Items:** A public swimming pool must be closed immediately for any of the following items:

- Gate not self-latching and/or self-closing from any position;
- Main drain not clearly visible and/or secure;
- Free disinfectant residual below the specified level;
- Total disinfectant residual above 10 ppm;
- A dangerous condition exists within the water (ex. broken glass, vomit, feces, etc.);
- Any lifesaving equipment that is missing, inoperable, not accessible, or in poor repair (see next item)

*Closure of a public swimming pool is the responsibility of the pool operator.*

**One (1) unit of lifesaving equipment** is required for every 2000 sq. feet of pool surface area. A unit of lifesaving equipment consists of:

- A lifepole or shepherd’s crook with a blunted end and a minimum fixed length of 12 feet.
- A ring buoy attached to a rope 1½ times the width of the pool, but not longer than 60 feet.

All pool incidents that require assistance from emergency personnel must be reported to the Anoka County Environmental Services Department by the end of the next business day.

**Certified Pool Operator (CPO) responsibilities:**

- Test water chemistry results daily and record these test results in a log sheet;
- Adjust water chemistry to meet requirements;
- Maintain filters, gauges, flow meters, piping, and other operational equipment;
- Post your certificate (CPO certification is valid for five (5) years).

**Plan Review required;** a public pool shall not be constructed or altered until plans and specifications have been submitted to and approved by the Minnesota Health Department Health. The CPO must inform the Health Department upon completion of the plan to determine compliance with Minn. Rules Chapter 4717.

**Outdoor pools** must receive an inspection and approval by the Anoka County Environmental Services Department before opening for the season.