

## Data Sheet for Pools, Spas, and Special-Use Pools

Pools & Special Features	
Water Quality Parameters	Required Records
Free Chlorine: 1.0 ppm	<u>Daily</u> ✓ Free Chlorine Residuals ✓ Combined Chlorine ✓ Total Chlorine (Bromine) ✓ pH ✓ Temperature & Clarity ✓ Chemicals Added ✓ Injuries & Fecal Accidents  <u>Weekly</u> ✓ Alkalinity ✓ Cyanuric Acid (if applicable)
Combined Chlorine: ≤ 1.0 ppm	
Total Bromine: 2.0 ppm	
pH range: 7.2-7.8	
Alkalinity: ≥ 60 ppm	
Cyanuric Acid: ≤ 70 ppm	
Sufficient water clarity	
Temperature at ≤ 90°F	
<u>Special Features:</u> Free Chlorine 2.0 ppm (at nozzle) Total Bromine 4.0 ppm (at nozzle)	
Testing shall be done at the deck prior to bather entry every 4 hours/ every 12 hours with a chemtrol	
<b>**Keep records for at least two years**</b>	

Spas	
Water Quality Parameters	Required Records
Free Chlorine: 2.0 ppm	<u>Daily</u> ✓ Free Chlorine Residuals ✓ Combined Chlorine ✓ Total Chlorine (Bromine) ✓ pH ✓ Temperature & Clarity ✓ Chemicals Added ✓ Injuries & Fecal Accidents  <u>Weekly</u> ✓ Alkalinity ✓ Cyanuric Acid (if applicable)
Combined Chlorine: ≤ 1.0 ppm	
Total Bromine: 4.0 ppm	
pH range: 7.2-7.8	
Alkalinity: ≥ 60 ppm	
Cyanuric Acid: ≤ 70 ppm	
Sufficient water clarity	
Temperature at ≤ 104°F	
Water drained to waste at least every 30 days	
All spas are required to have a chemtrol and testing shall be done at the deck prior to bather entry every 12 hours	
<b>**Keep records for at least two years**</b>	

### Safety on the Deck (04)(E)(2)

- Telephone available within 500ft of the pool.
- [First aid kit with disposable gloves and sufficient supplies to stop bleeding.](#)
- Rescue tubes and CPR pocket masks for lifeguards.
- [USCG Type IV floatation device with a minimum ¼” diameter; ≥ 30ft ≤ 60ft in length.](#)
- Pools require a non-telescopic reach pole with shepherd’s crook. Wading pools, spas, & spray grounds are exempt.
- [Spine Board: Guarded Pools the board must have straps and a head immobilizer.](#)
- All safety equipment must be available and visible.
- [Safety line with floats for pools > 5ft deep and change in slope. Line may be temporarily removed for activities.](#)
- Main drain cover must be secure.
- [Starting blocks inaccessible to general public.](#)

### Signage on Deck

- Depth markers: 4” min size (depth in numerals & units in letters) and slip resistant; Markers must be at the maximum & minimum depths, breakpoints, and less than 25ft apart. Deck markers must be within 2 feet of the water, or, 6” of the gutter. A minimum of two markers must be present for spas, wading pools, and SUP.
- [SUP with zero depth entrances must be marked “zero depth”, or, 0 feet 0 inches.](#)
- “No Diving” signage must be adjacent to depth markers in shallow water; not required for spas, or, wading pools.
- [For pools where guards are not required: “Warning No Lifeguard”, “Swimming Alone is Not Recommended”, and “Children Must Be Supervised”.](#)
- Phone location signage if the emergency phone is not visible in pool area. Emergency numbers/ dialing instructions must be posted.
- [“Danger/ Warning, Pool \(or spa\) Closed” posted when closed.](#)
- Spa caution signage by entrance of spa.
- [Slide, Special Feature, and Spray ground sign\(s\) posted per manufacturer.](#)

Number of Lifeguards Required			
3701-31-04(E)	Pool or Spa Surface Area (ft <sup>2</sup> )		
# of Bathers	1-1999	2000-3999	4000-5999
1-50	0	1	1
51-150	1	2	2
≥ 151	Exceeds Limit	2	3

For pools with ≥ 6000ft<sup>2</sup> surface area, the operator is required to submit a written plan for lifeguards:

- Sketch of pool with dimensions
- Locations of guard stations and SF's
- Design of each guards scanning area

The written plan created by the operator must contain the following: All areas of the pool are in direct line of sight at all times; All areas are reachable by guards in 20sec; Each guard is able to scan their area in 20 sec; Safety of bathers can be effectively controlled.

**Lifeguard Requirements:** Capable swimmer; Not engaged in coaching; Prepared to enter water; Positioned with view of the pool bottom; CPR mask available; Rescue tube on person; Similarly attired/ readily identifiable; Certified by an approved agency; Certified in CPR & First Aid.

### Virginia Graeme Baker Act Compliance (04)(B)(6), (05.1)(F)(10 & 11)

Approved covers(s) and ALL suction outlet fittings that are completely submerged, including skimmer equalizer lines.

All pools and spas with a single main drain other than an unblockable drain\* must also be equipped with one of the following:

- Safety Vacuum Release System (i.e. Vac-Alert, Sting-L, Hayward Stratum VRS)
- Gravity Drainage System
- Automatic Pump Shut off System
- Can install a second main drain (at least 3 feet apart)

\*Unblockable drains, according to the CPSC, may include a large aspect cover (at least 18''X 23''), long channels that cannot be blocked by the body, or, large outlet grates (at least 29'' diagonal measurement).

### Diving Boards- Recreational

- Must be maintained in good repair (04)(B)(6)(aa).
- Meets design standard, fulcrum locked forward, foot adjusting wheel removed (04)(B)(6).
- Separation- 10' between boards and side of pool for 1 meter board; 11' to side for 3 meter board.
- No recreational diving boards or platforms greater than 3 meters.
- Diving boards installed after April 1, 2011 must meet specified competitive standards in (05.1)(K)(1).

### Perimeter Barriers

- Constructed prior to 1991: 42'' high, <6'' openings, self-closing lockable gate.
- Constructed/ Renovated after January 1991: 48'' high, <4'' openings, self-closing/ self-latching lockable gate.
- Wading pools constructed/ renovated after January 1991 must have 36'' high fence with self-closing, self-latching gate.

### Pump Room

- Flowmeter, or a means of determining flow on all water pumps; including jet and SF pumps (04)(B)(6)(i).
- Automatic controller required on spas; must control and display pH & disinfectant, have an alarm, and be interlocked with a flow switch. **Flow switch must be tested and documented monthly** (04)(D)(7)(a).
- Automatic disinfectant feeder (04)(D)(2).
- Meters and gauges maintained and functional at all times (04)(B)(6)(h).
- Chemicals properly stored (04)(B)(6)(y).
- Equipment, chemical, and other storage areas inaccessible to bathers and free of hazards (04)(B)(6)(t).

### Spray Grounds

The following rules apply to all spray grounds regardless of construction date: No dead spots in mixing holding tank; Tank must be drained & cleaned every 120 days; No excessive accumulation of vegetation or debris on pad; 2.0ppm Cl or 4.0ppm Br residual at nozzle; Disinfection, pH, and combined Cl tested prior to bather usage/ every 6 hours after; Alkalinity & CYA tested weekly; Illness prevention signage posted per (05.1)(Y)(9).

### Spray Grounds (constructed or renovated after April 1, 2011 (05.1)(Y) 30 min turnover rate

Dependent Spray Grounds: water supplied from a licensed pool- discharge water returned to the circulation system; holding tank (if used) cannot receive discharge water from spray pad (05.1)(Y)(2).

Independent Spray Grounds: One mixing holding tank to treat discharge water from pad and supply features; trash trap installed between spray pad and mixing holding tank; access panel installed on mixing holding tank; drain on bottom of tank (05.1)(Y)(3).

Other Requirements: Separate circulation and special features systems; automatic chemical controller installed; spray pad slip resistant and free of obstructions.