



Cowlitz County Health & Human Services

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Board of County Commissioners

Arne Mortensen	District 1
Dennis Weber	District 2
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Water Quality Standards Swimming Pools

Type of Disinfectant	Minimum	Maximum (**)
Chlorine	1.5	10.0
Chlorine with Cyanuric Acid	2.0	10.0
Bromine	2.5	10.0

Spa & Wading Pool

Type of Disinfectant	Minimum	Maximum (**)
Chlorine	3.0	10.0
Chlorine with Cyanuric Acid	3.5	10.0
Bromine	4.0	10.0

* Chlorine is measured as free available chlorine residual

** The maximum disinfectant level shall conform to manufacturers' recommendations and not exceed 10 ppm

Required Ranges for Selected Chemical and Physical Water Quality Constituents

Chemical/Physical	Minimum	Maximum
pH	7.2	8.0
Temperature	-	104°F
Cyanuric Acid	-	90 ppm
Combined Chlorine	-	50% of Free Chlorine
Water Clarity	Main drain and pool bottom must be visible at all times	-

Recommended Ranges for Other Water Quality Constituents

	Minimum	Maximum
Alkalinity		
Plaster Pools	80 ppm	120 ppm
Painted, Vinyl, Fiberglass	100 ppm	150 ppm
Calcium Hardness		
Swimming Pool	200 ppm	400 ppm
Spa Pool	150 ppm	250 ppm