



# DAILY POOL LOG

Environmental Health Division

**Public Health**  
Prevent. Promote. Protect.  
**Central Valley Health District**  
Environmental Health

Central Valley Health District  
701-252-8130

Facility Name: \_\_\_\_\_ Type (circle): Pool Spa Wading Other  
Address: \_\_\_\_\_  
Volume (gal): \_\_\_\_\_  
Surface Area (sq ft): \_\_\_\_\_

Open/Closed O/C	Date	Sanitizer*		pH*	Alkalinity	Calcium Hardness	Cyanuric Acid	Temp.	Flow Rate	Filter Pressure	ORP-HRR	Comments: water added, quantity/type of chemical added, backwash, injury/accident, repairs, etc.
		Free	Total									

Required Ranges:	Free Chlorine	Bromine	pH	Alkalinity	Calcium Hardness	Cyanuric Acid
Swimming Pool	1.0 - 10.0 ppm	2.0 – 10.0 ppm	7.2 – 7.8	60 – 180 ppm	150 – 1,000 ppm	30 – 50 ppm
Spa	2.0 - 10.0 ppm	2.0 – 10.0 ppm	7.2 – 7.8	60 – 180 ppm	100 – 800 ppm	30 – 50 ppm

\*Levels must be recorded at least twice daily.  
All chemicals added and maintenance done shall also be recorded. All records must be kept for at least three years.

<b>Adjusting Water Balance</b>	
To raise pH	add soda ash
To lower pH	add muriatic acid
To raise alkalinity	add sodium bicarbonate or soda ash
To lower alkalinity	add muriatic acid
To raise calcium hardness	add calcium chloride
To lower calcium hardness	add trisodium phosphate or drain off some pool water and dilute with fresh make up water
To raise chlorine	add chlorine
To lower chlorine	add sodium thiosulfate

<b>Problems Associated with Improper Water Balance</b>	
Low pH	Chlorine dissipates more rapidly, more eye irritation, possible corrosion of pool fixtures and plumbing
High pH	Scaling, slows chlorine activity, can cloud water, detrimental to filters
Low alkalinity	Will not provide buffer for pH
High alkalinity	Can lead to high pH that is difficult to change
Low calcium hardness	Corrosive to plaster and concrete surfaces
High calcium hardness	Scaling, cloudy water, crystals forming on the inside walls of the pool
Low chlorine	Bacterial and algae growth
High chlorine	Eye irritation, pH hard to manage, possible corrosion to plumbing

***Please refer to the Pool Water Quality Section of the Swimming Facilities Regulation for additional information.***