Public Health
Prevent. Promote. Protect.

Frederick County Health Department

Barbara A. Brookmyer, M.D., M.P.H. ▪ Health Officer

Acceptable Disinfectant Levels (immediate closure if not within range):

1. Free Available Chlorine		COMAR 10.17.01.44 A(1)
1.5 - 10.0 ppm	Pools	COMAR 10.17.01.44 A(1)a
3.0 - 10.0 ppm	Wading; Therapy Pools	COMAR 10.17.01.44 A(1)b
4.0 - 10.0 ppm	Spas	COMAR 10.17.01.44 A(1)c
0.2 ppm	Combined Available	COMAR 10.17.01.44 A(2)
2. Total Bromine		COMAR 10.17.01.44 A(3)
3.0 - 8.0 ppm	Pools	COMAR 10.17.01.44 A(3)a
4.0 - 8.0 ppm	Spas; Wading; Therapy	COMAR 10.17.01.44 A(3)b

Acceptable Chemical Values (pH and spa temperature - -immediate closure):

7.2 - 7.8	pH	COMAR 10.17.01.45 A(1)
60 - 180 ppm	Alkalinity	COMAR 10.17.01.45 A(2)
150 - 400 ppm	Calcium Hardness	COMAR 10.17.01.45 A(3)
1500 ppm (max)	Total Dissolved Solids	COMAR 10.17.01.45 A(5)
3000 ppm (max salt water)	Total Dissolved Solids	COMAR 10.17.01.45 A(5)
Temperature (max):		
88 F	Pools	COMAR 10.17.01.45 C(1)
96 F	Therapy Pools	COMAR 10.17.01.45 C(3)
104 F	Spas	COMAR 10.17.01.45 C(2)

Other Immediate Closures:

Certified Pool Operator on site (recreational pools)	COMAR 10.17.01.43 A
CPO responds within 15 min. (semipublic pool)	COMAR 10.17.01.43 B
Water clarity - main drains clearly visible	COMAR 10.17.01.45 A(7)
A condition that may endanger health and safety - for example, missing drain cover, other suction outlet entrapment hazard;	COMAR 10.17.01.10 A(2)f
A lifeguard has not been provided as required in Regulation .40	COMAR 10.17.01.10 A(2)g
Broken recirculation or disinfection system	COMAR 10.17.01.10 A(2)e

Other:

Pool or spa maintained in safe, clean, orderly condition	COMAR 10.17.01.39 B
Broken, damaged, malfunctioning fixture is promptly repaired or replaced (i.e. – broken gauge, etc.)	COMAR 10.17.01.39 C
Operating Records	COMAR 10.17.01.46
Suction Entrapment form-completed daily	COMAR 10.17.01.28 I

There are additional regulations that need to be abided by please refer to COMAR 10.17.01

Call the Frederick County Health Dept. at 301-600-1717 with any questions

George Keller ▪ Director

Department of Environmental Health Services ▪ 350 Montevue Lane ▪ Frederick, MD 21702

Phone: 301-600-1719 ▪ Fax: 301-600-3180 ▪ MD TTY: 1-800-735-2258