Water Contamination Response Log

Person Conducting Contamination Response	
Operator on Duty	
Date and Time of Incident Response (mm/dd/yyyy; hh:mm)	
Basin or Water Feature Contaminated	
Number of People in Water	

Type/Form of Contamination in Water and Required CT (Concentration Time value):

☐ Formed Stool (CT 50) ☐ Vomit (CT 50) ☐ Diarrhea (CT 15 300) ☐ Blood*

Blood: If pool is operating at required chlorine residual and pH, pool may remain open. If free chlorine residual is low, close the pool until the residual is at or above required minimum.

Time the Basin or Water Feature was Closed	

Stabilizer Used in Basin or Water Feature? ☐ Yes* ☐ No

Please note that CT 15300 does not apply to outdoor pools that use Cyanuric Acid

*If stabilizer is used, lower Cyanuric Acid level to 15 ppm or less and achieve the following chlorine concentrations: **20 ppm for 28 Hrs** or **30 ppm for 18 Hrs or 40 ppm for 8.5 Hrs**

Calculating Concentration Time Values

Concentration Time (CT) is a value that is created by taking the free chlorine concentration in ppm and multiplying it by an amount of Time in minutes. CT value calculations can be started once all contamination has been removed from the pool.

C x T = CT

C = Free Chlorine concentration in ppm
T = time in minutes

Examples of CxT = 15 300 CT (For Diarrhea Contaminated Water)*

25 ppm x 612 minutes (10 hours 12 minutes) = 15 300
20 ppm x 765 minutes (12 hours 45 minutes) = 15 300
10 ppm x 1530 minutes (25 hours 30 minutes) = 15 300
1 ppm x 15 300 minutes (255 hours, or 10 days 15 hours) = 15 300

Examples of CxT = 50 CT (For Formed Stool or Vomit Contaminated Water)

3 ppm x 17 minutes = 50
2 ppm x 25 minutes = 50
1 ppm x 50 minutes = 50

Refer to **Schedule A: Contamination Management for Public Swimming Pools** in the *Pool Standards, July 2014 (amended January 2018)* for additional contamination response requirements.

Water Quality Measurements

Record pH at start of de-contamination;_____(ensure it remains at 7.5 or lower)

Time Range	Lowest free chlorine reading[1,2]	Multiply	# of Minutes	Equals	Total CT for Time Period	Cumulative CT Total
		X		=		
		X		=		
		X		=		
		X		=		
		X		=		
		X		=		
		X		=		
		X		=		
		X		=		
		X		=		
		X		=		
		X		=		
		X		=		
		X		=		
		X		=		
		X		=		

If additional lines are needed use another copy of the table

Date and Time the Basin or Water Feature was Reopened (mm/dd/yyyy; hh:mm)	

1. Take the lowest level measured for that time .
2. Ensure that the pH of the water is 7.5 or lower and adjust as necessary.

*ppm = mg/L

Contact us at 1-833-476-4743 or submit a request online at ahs.ca/eph.

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