Surface Water Treatment Rule
System Type - SW and GUI unfiltered systems that use Chlorine

System Name: _____

PWSID#: _____

Reporting period: _____

Signature: _____ Date: _____

System Information

Treatment plant/pump station: _____

Total Chlorine Residual in the distribution system

a =		# of samples w/Cl_2 residual
b =		# of samples where Cl_2 is not meas. but HPC's are
c =		# of samples with Cl_2 not detected & HPC < 500
d =		# of samples with Cl_2 not detected & HPC > 500/mL
e =		# of samples where Cl_2 is not meas. & HPC > 500/mL

$$V = \frac{(c+d+e)}{(a+b)} \times 100$$

current month V = _____

V for previous month =

Is V > 5% for 2 months? ☐ No   ☐ Yes

Free Chlorine Residual at Entry Point (lowest value)

Date	Daily min. mg/L	Date	Daily min. mg/L	Date	Daily min. mg/L
1		12		23	
2		13		24	
3		14		25	
4		15		26	
5		16		27	
6		17		28	
7		18		29	
8		19		30	
9		20		31	
10		21			
11		22			

Continuous Monitoring? ☐ No   ☐ Yes

If no, enter the # of free chlorine residual measurements for month: _____

Source Water Coliform

Cumulative number of months results reported: _____

Coliform sampling type: ☐ Fecal   ☐ Total

Number of coliform samples taken in the past 6 months: _____

Number of samples <= 20/100 mL fecal or <= 100/100 mL total: _____

Percentage meeting limit: _____

Is this < 90%? ☐ No   ☐ Yes

Source Water Turbidity

Maximum turbidity for the current month: _____

Turbidity > 5 NTU over the past 120 months			Turbidity > 1 NTU this month	
Date	**Value**	**Date reported**	**Date**	**Value**

Contact the DWP within 24 hours at 287-2070 (afterhours pager 557-4214) if your system fails to meet disinfection or turbidity requirements.

Inactivation Ratios for *Giardia* for systems using Chlorine

Are any inactivation ratios ($CT_{calc}/CT_{99.9}$) < 1.0?

☐ No   ☐ Yes

Date	Dis. Conc."C" (mg/L)	peak flow (gpm)	Disinfectant contact time "T" (min)	CT_{calc} (=CxT)	pH (chlorine only)	Water Temp. (deg. C)	$CT_{99.9}$ (calculated using equation)	$CT_{calc}/CT_{99.9}$ inactivation ratio
1								
2								
3								
4								
5								
6								
7								
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