

Surface Water Treatment Rule
System Type - SW and GUI that use alternative filtration systems

System Name: _____

PWSID#: _____

Reporting period: _____

Signature: _____ Date: _____

System Information

Treatment plant/pump station: _____

Notes: _____

Total Chlorine Residual in the distribution system

a = _____ # of samples w/C₂ residual

b = _____ # of samples where C₂ is not meas. but HPC's are

c = _____ # of samples with C₂ not detected & HPC < 500

d = _____ # of samples with C₂ not detected & HPC > 500/mL

e = _____ # of samples where C₂ is not meas. & HPC > 500/mL

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

Is V > 5% for 2 months? No Yes

Free Chlorine Residual at entry point					
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			

Filter Turbidity Data

Highest turbidity measurement for the month: _____

Total number of turbidity measurements for the month: _____

Total number less than 1NTU for the month: _____

Percent for the month meeting this limit: _____

Is this less than 95%? No Yes

Max. single day turbidity limit: 5 NTU

Did any samples exceed this in the month? No Yes

If yes, list turbidity sample date and value:

Date	Value	Date reported

Continuous monitoring? No Yes

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

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

Inactivation of Giardia for systems using Chlorine

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