

Baffling Factor/Contact Time /Log inactivation feasibility

Water Volume V gal	Flow Rate Q gal/min	Theoretical retention time T =V/GPM	Actual Retention T10 min	Baffling Factor T10/T	CT contact		Log inactivation yes @>1
					time (@1) mg- min/L		
119	3	39.667	32	0.807	32	5.12	
119	5	23.800	17	0.714	17	2.72	
119	7	17.000	15	0.882	15	2.4	
119	9	13.222	10	0.756	10	1.6	
	calc.	calc.	calc.	calc.	calc.	calc.	
119	12	9.917	7.5	0.756	7.5	1.2	
119	15	7.933	6	0.756	6	0.96	
119	20	5.950	4.5	0.756	4.5	0.72	
119	25	4.760	3.6	0.756	3.6	0.576	

Average Baffling Factor
0.790

