

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

