CT Values for Inactivation of Giardia Cysts by Free Chlorine	
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2 2 = Ha 0 2 = Ha	tion	1.5 2 2.5 3 0.5 1 1.5 2 2.5 3	69 87 104 21 42 63 83 104 1	54 71 89 107 21 43 64 85 107 128	55 73 92 110 22 44 66 87 109 131	63	57 76 95 114 23 46 69 91 114 137	58 77 97 116 23 47 70 93 117 140	60 79 99 119 24 48 72 96 120 144	61 81 102 122 25 49 74 98 123 147	62 83 103 124 25 50 75 100 125 150	64 85 106 127 26 51 77 102 128 153	65 86 108 129 26 52 79 105 131 157	66 87 109 131 27 53 80 107 133 160	67 89 112 134 27 54 82 109 136 163	69 91 114 137 28 55 83 111 138 166	pH ≤ 9.0	Log Inactivation	1.5 2 2.5 3	105 139 174 209	109 145 182 218 Note:	113 151 188 226 CT values between the indicated	117 156 195 234 pH values may be determined by	120 160 200 240 III ear Interpolation.	124 165 206 247 CT values between the indicated	127 169 211 253 may be determined by linear	130 173 216 259 interpolation.	133 177 221 265 If no interpolation is used, use the	136 181 226 271 CT value at the lower temperature	138 184 230 276 and at the might priv.	141 187 234 281	144 191 239 287	
	Ľ	5 1	35	36	3 37	37	38	39	9 40) 41	41	42	2 43	44	2 45	3 46		Γ	5 1	2 70	3 73	3 75	9 78	80	82	84	3 86	88	06 9	3 92	94	3 96	
┝		0.5	17	18	18	19	19	19	20	20	121	21	22	22	22	3 23			0.5	35	36	38	39	40	41	42	5 43	44	6 45	146	47	48	
		3	88	06	92	94	95	98	66	101	104	105	107	110	111	113	pH = 8.5 Log Insertivation		З	177	183	189	195	200	206	211	215	221	225	230	234	239	
	lion	2.5	73	75	77	78	79	82	83	84	87	88	89	92	93	94		tion	2.5	148	153	158	163	167	172	176	179	184	188	192	195	199	
oH = 6.5	Log Inactivation	2	59	60	61	63	63	65	99	67	69	70	71	73	74	75		Log Inactivation	2	118	122	126	130	133	137	141	143	147	150	153	156	159	
На	Log In	1.5	44	45	46	47	48	49	50	51	52	53	54	55	56	57			1.5	89	92	95	98	100	103	106	108	111	113	115	117	120	
		٢	29	30	31	31	32	33	33	34	35	35	36	37	37	38			-	59	61	63	65	67	69	70	72	74	75	77	78	80	
L		0.5	15	15	15	16	16	16	17	17	17	40	18	18	19	19			0.5	30	31	32	33	33	34	35	36	37	38	38	39	40	
		3	73	75	78	79	80	82	83	86	87	89	6	92	93	95			ю	149	153	158	162	166	170	174	179	182	186	190	194	197	
	Ľ	2.5	61	63	65	99	67	68	69	72	73	74	75	77	78	79	0.8 = Hq	рн = ö.u Log Inactivation	2.5	124	128	132	135	138	142	145	149	152	155	158	162	164	
nH ≤ 6	ctivatic	2	49	50	52	53	53	55	55	57	58	59	60	61	62	63			2	66	102	105	108	111	113	116	119	121	124	127	129	131	
Ha	Log Inactivation	1.5	37	38	39	40	40	41	42	43	44	45	45	46	47	48			1.5	75	77	79	81	83	85	87	06	91	93	95	97	66	
	_	٢	24	25	26	26	27	27	28	29	29	30	30	31	31	32			-	50	51	53	54	55	57	58	60	61	62	63	65	99	
		0.5	12	13	13	13	13	14	14	14	15	15	15	15	16	16			0.5	25	26	26	27	28	28	29	30	30	31	32	32	33	
	Chlorine Concentration	(mg/L)	≤0.4	0.6	0.8	-	1.2	1.4	1.6	1.8	2	2.2	2.4	2.6	2.8	3		Cnlorine Concentration	(mg/L)	≤0.4	0.6	0.8	-	1.2	1.4	1.6	1.8	7	2.2	2.4	2.6	2.8	-

DEPARTMENT OF NATURAL RESOURCES

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