62-302.530, Criteria for Surface Water Quality Classifications

				Class III: Recreation, Propagation and Maintenance of a Healthy, Well- Balanced Population of Fish and Wildlife			
Parameter	Units	Class I: Potable Water Supply	Class II: Shellfish Propagation or Harvesting	Predominantly Fresh Waters	Predominantly Marine Waters	Class IV: Agricul- tural Water Sup- plies	Class V: Navigation, Utility, and Industrial Use
(1) Alkalinity	Milligrams/L as CaCO ₃	Shall not be depressed below 20		Shall not be depressed below 20		≤ 600	
(2) Aluminum	Milligrams/L		<u>≤</u> 1.5		<u>≤</u> 1.5		
(3) Ammonia (un-ionized)	Milligrams/L as NH ₃	≤0.02		≤ 0.02			
(4) Antimony	Micrograms/L	≤ 14.0	≤4,300	≤4,300	≤4,300		
(5) (a) Arsenic (total)	Micrograms/L	≤10	≤50	≤50	<u>≤</u> 50	≤50	<u>≤</u> 50
(5) (b) Arsenic (trivalent)	Micrograms/L measured as total recoverable Arsenic		≤36		≤36		

Parameter	Units	Class I	Class II	Class III: Fresh	Class III: Marine	Class IV	Class V
(6) Bacteriological Quality (Fecal Coliform Bacteria)	Number per 100 ml (Most Probable Number (MPN) or Membrane Filter (MF))	shall not exceed a	exceed a median	shall not exceed a	MPN or MF counts shall not exceed a monthly average of 200, nor exceed 400 in 10% of the samples, nor exceed 800 on any one day. Monthly averages shall be expressed as geometric means based on a minimum of 10 samples taken over a 30 day period.		
(7) Barium	Milligrams/L	<u>≤</u> 1					
(8) Benzene	Micrograms/L	≤1.18	\leq 71.28 annual avg.	\leq 71.28 annual avg.	\leq 71.28 annual avg.		
(9) Beryllium	Micrograms/L	≤ 0.0077 annual avg.	≤ 0.13 annual avg.	≤ 0.13 annual avg.	≤ 0.13 annual avg.	≤ 100 in waters with a hardness in mg/L of CaCO ₃ of less than 250 and shall not exceed 500 in harder waters	

Parameter	Units	Class I	Class II	Class III: Fresh	Class III: Marine	Class IV	Class V
(10) Biological Integrity	Per cent reduction of Shannon- Weaver Diversity Index	shall not be reduced to less than 75% of back- ground levels as measured using organisms retained	75% of established background levels as measured using organisms retained by a U. S. Standard No. 30 sieve and collected and composited from a minimum of three natural substrate samples, taken with	shall not be reduced to less than 75% of established background levels as measured using organisms retained by a U. S. Standard No. 30 sieve and collected and composited from a minimum of three Hester-Dendy type artificial substrate samplers of 0.10 to 0.15 m ² area each,	The Index for benthic macroinvertebrates shall not be reduced to less than 75% of established background levels as measured using organisms retained by a U. S. Standard No. 30 sieve and collected and composited from a minimum of three natural substrate samples, taken with Ponar type samplers with minimum sampling area of 225 cm ² .		
(11) BOD (Biochemical Oxygen Demand)						en to be depressed be roduce nuisance cond	
(12) Boron	Milligrams/L					<u>≤</u> 0.75	
(13) Bromates	Milligrams/L		<u>≤</u> 100		<u>≤</u> 100		
(14) Bromine (free molecular)	Milligrams/L		<u>≤</u> 0.1		≤ 0.1		

Parameter	Units	Class I	Class II	Class III: Fresh	Class III: Marine	Class IV	Class V
(15) Cadmium	Micrograms/L See Notes (1) and (3).	Cd < e ^(0.7409[lnH]-4.719)	< 8.8	$Cd \leq e^{(0.7409[\ln H]-4.719)}$	< 8.8		
(16) Carbon tetra- chloride	Micrograms/L	≤0.25 annual avg.; 3.0 max	≤ 4.42 annual avg.	≤4.42 annual avg.	≤4.42 annual avg.		
(17) Chlorides	Milligrams/L	≤ 250	Not increased more than 10% above normal back- ground. Normal daily and seasonal fluctuations shall be maintained.		Not increased more than 10% above normal background. Normal daily and seasonal fluctuations shall be maintained.		In predominantly marine waters, not increased more than 10% above normal background. Normal daily and seasonal fluctuations shall be maintained.
(18) Chlorine (total residual)	Milligrams/L	≤ 0.01	≤ 0.01	≤ 0.01	≤ 0.01		
(19) (a) Chromium (trivalent)	Micrograms/L measured as total recoverable Chromium See Notes (1) and (3).	$Cr (III) \le e^{(0.819[\ln H] + 0.6848)}$		Cr (III) \leq $e^{(0.819[\ln H]+0.6848)}$		$Cr (III) \le e^{(0.819[\ln H] + 0.6848)}$	In predominantly fresh waters, ≤ e ^(0.819[lnH]+0.6848)
(19) (b) Chromium (hexavalent)	Micrograms/L See Note (3)	≤11	≤ 50	≤11	≤50	≤11	In predominantly fresh waters, ≤ 11. In predominantly marine waters, ≤ 50

Parameter	Units	Class I	Class II	Class III: Fresh	Class III: Marine	Class IV	Class V
(20) Chronic Toxicity (see definition in Section 62- 302.200(4), F.A.C. and also see below, "Substances in concentrations which")							
(21) Color, etc. (see also Minimum Criteria, Odor, Phe- nols, etc.)	Color, odor, and taste producing substances and other deleterious substances, including other chemical compounds attributable to domestic wastes, industrial wastes, and other wastes					Only such amounts as will not render the waters unsuit- able for agricultural irrigation, livestock watering, industrial cooling, industrial process water supply purposes, or fish survival.	
(22) Conductance, Specific		Shall not be increased more than 50% above background or to 1275, whichever is greater.		Shall not be increased more than 50% above background or to 1275, whichever is greater.		Shall not be increased more than 50% above background or to 1275, whichever is greater.	Shall not exceed 4,000
(23) Copper	Micrograms/L See Notes (1) and (3).	$Cu \le e^{(0.8545[\ln H]-1.702)}$	≤ 3.7	$Cu \le e^{(0.8545[\ln H]-1.702)}$	≤ 3.7	≤ 500	≤ 500

Parameter	Units	Class I	Class II	Class III: Fresh	Class III: Marine	Class IV	Class V
(24) Cyanide (25) Definitions (see Section 62- 302.200, F.A.C.)	Micrograms/L	≤ 5.2	≤1.0	≤ 5.2	≤1.0	≤ 5.0	≤ 5.0
(26) Detergents	Milligrams/L	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5
(27) 1,1-Dichloro- ethylene (1,1- dichloroethene)	Micrograms/L	≤ 0.057 annual avg.; ≤ 7.0 max	≤3.2 annual avg.	≤ 3.2 annual avg.	≤3.2 annual avg.		
(28) Dichloromethane (methylene chloride)	Micrograms/L	≤ 4.65 annual avg.	≤ 1,580 annual avg.	≤1,580 annual avg.	≤ 1,580 annual avg.		
(29) 2,4-Dinitrotoluene	Micrograms/L	\leq 0.11 annual avg.	\leq 9.1 annual avg.	\leq 9.1 annual avg.	\leq 9.1 annual avg.		
(30) Dissolved Oxygen	Milligrams/L	Shall not be less than 5.0. Normal daily and seasonal fluctuations above this level shall be maintained.	Shall not average less than 5.0 in a 24-hour period and shall never be less than 4.0. Normal daily and seasonal fluctuations above these levels shall be maintained.	Shall not be less than 5.0. Normal daily and seasonal fluctuations above these levels shall be maintained.	Shall not average less than 5.0 in a 24-hour period and shall never be less than 4.0. Normal daily and seasonal fluctuations above these levels shall be maintained.		Shall not be less than 0.3, fifty percent of the time on an annual basis for flows greater than or equal to 250 cubic feet per second and shall never be less than 0.1. Normal daily and seasonal fluctuations above these levels shall be maintained.

Parameter	Units	Class I	Class II	Class III: Fresh	Class III: Marine	Class IV	Class V
(31) Dissolved Solids	Milligrams/L	\leq 500 as a monthly avg.; \leq 1,000 max					
(32) Fluorides	Milligrams/L	≤ 1.5	≤ 1.5	≤10.0	≤ 5.0	≤ 10.0	≤ 10.0
(33) "Free Froms" (see Minimum Criteria in Section 62-302.500, F.A.C.)							
(34) "General Criteria" (see Section 62- 302.500, F.A.C. and individual criteria)							
(35) (a) Halomethanes (Total trihalomethanes) (total of bromoform, chlorodibromomethane, dichlorobromomethane, and chloroform). Individual halomethanes shall not exceed (b)1. to (b)5. below.	Micrograms/L	< 80					
(35) (b) 1. Halomethanes (individual): Bromoform	Micrograms/L	≤4.3 annual avg.	\leq 360 annual avg.	\leq 360 annual avg.	≤360 annual avg.		

Parameter	Units	Class I	Class II	Class III: Fresh	Class III: Marine	Class IV	Class V
(35) (b) 2. Halomethanes (individual): Chlorodibromo- methane	Micrograms/L	≤ 0.41 annual avg.	≤ 34 annual avg.	≤ 34 annual avg.	≤ 34 annual avg.		
(35) (b) 3. Halomethanes (individual): Chloroform	Micrograms/L	≤ 5.67 annual avg.	≤470.8 annual avg.	≤ 470.8 annual avg.	≤470.8 annual avg.		
(35) (b) 4. Halomethanes (individual): Chloromethane (methyl chloride)	Micrograms/L	≤ 5.67 annual avg.	\leq 470.8 annual avg.	≤ 470.8 annual avg.	\leq 470.8 annual avg.		
(35) (b) 5. Halomethanes (individual): Dichlorobromo- methane	Micrograms/L	≤ 0.27 annual avg.	≤22 annual avg.	≤ 22 annual avg.	≤ 22 annual avg.		
(36) Hexachlorobuta- diene	Micrograms/L	\leq 0.45 annual avg.	\leq 49.7 annual avg.	≤49.7 annual avg.	≤49.7 annual avg.		
(37) Imbalance (see Nutrients)							
(38) Iron	Milligrams/L	< 1.0	≤ 0.3	<u>≤</u> 1.0	≤ 0.3	≤1.0	
(39) Lead	Micrograms/L See Notes (1) and (3).	Pb \(\left\) \(e(1.273[\text{lnH}]\)- \(4.705);	≤ 8.5	Pb \(\) e(1.273 [lnH] - 4.705);	≤ 8.5	≤ 50	≤ 50

Parameter	Units	Class I	Class II	Class III: Fresh	Class III: Marine	Class IV	Class V		
(40) Manganese	Milligrams/L		<u>≤</u> 0.1						
(41) Mercury	Micrograms/L	0.012	0.025	0.012	0.025	≤ 0.2	<u>≤</u> 0.2		
(42) Minimum Criteria (see Section 62-302. 500, F.A.C.)									
(43) Mixing Zones (See Section 62- 4.244, F.A.C.)									
(44) Nickel	Micrograms/L See Notes (1) and (3).	$Ni \leq e^{(0.846[\ln H] + 0.0584)}$	≤ 8.3	$Ni \leq e^{(0.846[lnH]+0.0584)}$	≤ 8.3	≤ 100			
(45) Nitrate	Milligrams/L as N	≤ 10 or that con- centration that exceeds the nutrient criteria							
(46) Nuisance Species		Substance	Substances in concentrations which result in the dominance of nuisance species: none shall be present.						
(47) (a) Nutrients		The discharge of nutrients shall continue to be limited as needed to prevent violations of other standards contained in this chapter. Man-induced nutrient enrichment (total nitrogen or total phosphorus) shall be considered degradation in relation to the provisions of Sections 62-302.300, 62-302.700, and 62-4.242, F.A.C.							
(47) (b) Nutrients			In no case shall nutrient concentrations of a body of water be altered so as to cause an imbalance in natural populations of aquatic flora or fauna.						

Parameter	Units	Class I	Class II	Class III:	Class III:	Class IV	Class V
				Fresh	Marine		
(48) Odor (also see Color, Minimum Criteria, Phenolic Compounds, etc.)	Threshold odor number		Shall not exceed 24 at 60 degrees C as a daily average.				Odor producing substances: only in such amounts as will not unreasonably interfere with use of the water for the designated purpose of this classification.
(49) (a) Oils and Greases	Milligrams/L	Dissolved or emulsified oils and greases shall not exceed 5.0	Dissolved or emulsified oils and greases shall not exceed 10.0				
(49) (b) Oils and Greases			oil, or visible oil defi ith the beneficial use		nall be present so as to	o cause taste or odor,	or other-
(50) Pesticides and Herbicides							
(50) (a) 2,4,5-TP	Micrograms/L	<u>< 10</u>					
(50) (b) 2-4-D	Micrograms/L	≤ 100					
(50) (c) Aldrin	Micrograms/L	≤ .00013 annual avg.; 3.0 max	≤ .00014 annual avg.; 1.3 max	≤ .00014 annual avg.; 3.0 max	≤ .00014 annual avg.; 1.3 max		
(50) (d) Beta- hexachlorocyclo- hexane (b-BHC)	Micrograms/L	\leq 0.014 annual avg.	\leq 0.046 annual avg.	\leq 0.046 annual avg.	\leq 0.046 annual avg.		

Parameter	Units	Class I	Class II	Class III: Fresh	Class III: Marine	Class IV	Class V
(50) (e) Chlordane	Micrograms/L	≤0.00058 annual avg.; 0.0043 max	≤ 0.00059 annual avg.; 0.004 max	≤0.00059 annual avg.; 0.0043 max	≤ 0.00059 annual avg.; 0.004 max		
(50) (f) DDT	Micrograms/L	≤0.00059 annual avg.; 0.001 max	\leq 0.00059 annual avg.; 0.001 max	≤0.00059 annual avg.; 0.001 max	≤ 0.00059 annual avg.; 0.001 max		
(50) (g) Demeton	Micrograms/L	<u>≤</u> 0.1	<u>≤</u> 0.1	<u>≤</u> 0.1	<u>≤</u> 0.1		
(50) (h) Dieldrin	Micrograms/L	≤0.00014 annual avg.; 0.0019 max	\leq 0.00014 annual avg.; 0.0019 max	\leq 0.00014 annual avg.; 0.0019 max	≤ 0.00014 annual avg.; 0.0019 max		
(50) (i) Endosulfan,	Micrograms/L	≤ 0.056	≤ 0.0087	<u>≤</u> 0.056	<u>≤</u> 0.0087		
(50) (j) Endrin	Micrograms/L	≤ 0.0023	≤ 0.0023	≤ 0.0023	≤ 0.0023		
(50) (k) Guthion	Micrograms/L	<u>≤</u> 0.01	<u>≤</u> 0.01	<u>≤</u> 0.01	<u>≤</u> 0.01		
(50) (l) Heptachlor	Micrograms/L	≤0.00021 annual avg.; 0.0038 max	≤0.00021 annual avg.; 0.0036 max	≤0.00021 annual avg.; 0.0038 max	≤0.00021 annual avg.; 0.0036 max		
(50) (m) Lindane (g-benzene hexachloride)	Micrograms/L	≤ 0.019 annual avg.; 0.08 max	≤ 0.063 annual avg.; 0.16 max	≤ 0.063 annual avg.; 0.08 max	≤ 0.063. annual avg.; 0.16 max		
(50) (n) Malathion	Micrograms/L	<u>≤</u> 0.1	<u>≤</u> 0.1	<u>≤</u> 0.1	<u>≤</u> 0.1		
(50) (o) Methoxychlor	Micrograms/L	≤ 0.03	≤ 0.03	≤ 0.03	≤ 0.03		
(50) (p) Mirex	Micrograms/L	≤ 0.001	≤ 0.001	<u>≤</u> 0.001	≤ 0.001		
(50) (q) Parathion	Micrograms/L	<u>≤</u> 0.04	<u>≤</u> 0.04	<u>≤</u> 0.04	<u>≤</u> 0.04		
(50) (r) Toxaphene	Micrograms/L	≤ 0.0002	≤0.0002	≤ 0.0002	≤ 0.0002		

Parameter	Units	Class I	Class II	Class III: Fresh	Class III: Marine	Class IV	Class V					
(51) (a) pH (Class I and Class IV Waters)	Standard Units	units or raised abov vary more than one	Shall not vary more than one unit above or below natural background provided that the pH is not lowered to less than 6 units or raised above 8.5 units. If natural background is less than 6 units, the pH shall not vary below natural background or vary more than one unit above natural background. If natural background is higher than 8.5 units, the pH shall not vary above natural background or vary more than one unit below background.									
(51) (b) pH (Class II Waters)	Standard Units	302.520(3)(b), F.A. Section 62-302.520 natural background natural background background is high	Shall not vary more than one unit above or below natural background of coastal waters as defined in Section 62-02.520(3)(b), F.A.C., or more than two-tenths unit above or below natural background of open waters as defined in Section 62-302.520(3)(f), F.A.C., provided that the pH is not lowered to less than 6.5 units or raised above 8.5 units. If natural background is less than 6.5 units, the pH shall not vary below natural background or vary more than one unit above natural background is higher than 8.5 units, the pH shall not vary above natural background or vary more than one unit below natural background of coastal waters or more than two-tenths unit below natural background of open waters.									
(51) (c) pH (Class III Waters)	Standard Units	Shall not vary more than one unit above or below natural background of predominantly fresh waters and coastal waters as defined in Section 62-302.520(3)(b), F.A.C. or more than two-tenths unit above or below natural background of open waters as defined in Section 62-302.520(3)(f), F.A.C., provided that the pH is not lowered to less than 6 units in predominantly fresh waters, or less than 6.5 units in predominantly marine waters, or raised above 8.5 units. If natural background is less than 6 units, in predominantly fresh waters or 6.5 units in predominantly marine waters, the pH shall not vary below natural background or vary more than one unit above natural background of predominantly fresh waters and coastal waters, or more than two-tenths unit above natural background of open waters. If natural background is higher than 8.5 units, the pH shall not vary above natural background or vary more than one unit below natural background of open waters.										
(51) (d) pH (Class V Waters)	Standard Units	Not lower than 5.0 nor greater than 9.5 except certain swamp waters which may be as low as 4.5.										
(52) (a) Phenolic Compounds: Total		Phenolic compounds other than those produced by the natural decay of plant material, listed or unlisted, shall not taint the flesh of edible fish or shellfish or produce objectionable taste or odor in a drinking water supply.										

Parameter	Units	Class I	Class II	Class III: Fresh	Class III: Marine	Class IV	Class V
(52) (b) Total Chlorinated Phenols and Chlorinated Cresols	Micrograms/L	1. The total of all ch below, shall not exc values shall be appro 2. The compounds compound.	1. The total of the following Phenolic compounds shall not exceed 50: a) Chlorinated phenols; b) Chlorinated cresols; and c) 2,4-dinitrophenol.				
(52) (c) 1. Phenolic Compound: 2- chlorophenol	Micrograms/L	≤ 120	< 400 See Note (2).	< 400 See Note (2).	< 400 See Note (2).	< 400 See Note (2).	
(52)(c) 2. Phenolic Compound: 2,4- dichlorophenol	Micrograms/L	< 93 See Note (2).	< 790 See Note (2).	< 790 See Note (2).	< 790 See Note (2).	< 790 See Note (2).	
(52) (c) 3. Phenolic Compound: Penta- chlorophenol	Micrograms/L	\leq 30 max; \leq 0.28 annual avg; \leq e(1.005[pH]- 5.29)	≤7.9	\leq 30 max; \leq 8.2 annual avg; \leq e(1.005[pH]- 5.29)	≤7.9	≤ 30	
(52)(c) 4. Phenolic Compound: 2,4,6- trichlorophenol	Micrograms/L	\leq 2.1 annual avg.	\leq 6.5 annual avg.	≤ 6.5 annual avg.	\leq 6.5 annual avg.	\leq 6.5 annual avg.	
(52) (c) 5. Phenolic Compound: 2,4-dinitrophenol	Milligrams/L	≤0.0697 See Note (2).	≤ 14.26 See Note (2).	≤ 14.26 See Note (2).	≤ 14.26 See Note (2).	≤ 14.26 See Note (2).	

Parameter	Units	Class I	Class II	Class III: Fresh	Class III: Marine	Class IV	Class V
(52) (c) 6. Phenolic Compound: Phenol	Milligrams/L	≤ 0.3	≤ 0.3	≤ 0.3	≤ 0.3	≤ 0.3	≤ 0.3
(53) Phosphorus (Elemental)	Micrograms/L		≤ 0.1		<u>≤</u> 0.1		
(54) Phthalate Esters	Micrograms/L	≤ 3.0		<u>≤</u> 3.0			
(55) Polychlorinated Biphenyls (PCBs)	Micrograms/L	≤0.000044 annual avg.; 0.014 max	≤0.000045 annual avg.; 0.03 max	≤0.000045 annual avg.; 0.014 max	≤ 0.000045 annual avg.; 0.03 max		
(56) (a) Polycyclic Aromatic Hydrocarbons (PAHs). Total of: Acenaphthylene; Benzo(a)anthracene; Benzo(a)pyrene; Benzo(b)fluoranthene; Benzo-(ghi)perylene; Benzo(k)fluoranthene; Chrysene; Dibenzo-(a,h)anthracene; Indeno(1,2,3-cd)pyrene; and Phenanthrene	Micrograms/L	≤ 0.0028 annual avg.	≤0.031 annual avg.	≤ 0.031annual avg.	≤ 0.031 annual avg.		

Parameter	Units	Class I	Class II	Class III: Fresh	Class III: Marine	Class IV	Class V
(56) (b) 1 (Individual PAHs): Acenaphthene	Milligrams/L	< 1.2 See Note (2).	< 2.7 See Note (2).	< 2.7 See Note (2).	< 2.7 See Note (2).		
(56)(b) 2. (Individual PAHs): Anthracene	Milligrams/L	< 9.6 See Note (2).	< 110 See Note (2).	< 110 See Note (2).	< 110 See Note (2).		
(56) (b) 3. (Individual PAHs): Fluoranthene	Milligrams/L	< 0.3 See Note (2).	< 0.370 See Note (2).	< 0.370 See Note (2).	< 0.370 See Note (2).		
(56) (b) 4. (Individual PAHs): Fluorene	Milligrams/L	< 1.3 See Note (2).	< 14 See Note (2).	< 14 See Note (2).	< 14 See Note (2).		
(56) (b) 5. (Individual PAHs): Pyrene	Milligrams/L	< 0.96 See Note (2).	< 11 See Note (2).	< 11 See Note (2).	< 11 See Note (2).		
(57)(a) Radioactive substances (Combined radium 226 and 228)	Picocuries/L	≤ 5	≤ 5	< <u>5</u>	≤ 5	≤ 5	≤5
(57) (b) Radioactive substances (Gross alpha particle activity including radium 226, but excluding radon and uranium)	Picocuries/L	≤15	≤15	≤15	≤15	≤15	≤15
(58) Selenium	Micrograms/L	≤ 5.0	≤71	≤ 5.0	≤ 71		

Parameter	Units	Class I	Class II	Class III: Fresh	Class III: Marine	Class IV	Class V	
(59) Silver	Micrograms/L See Note (3).	≤0.07	See Minimum criteria in Section 62-302.500(1)(c)	≤ 0.07	See Minimum criteria in Section 62-302.500(1)(c)			
(60) Specific Conductance (see Conductance, Specific, above)								
(61) Substances in concentrations which injure, are chronically toxic to, or produce adverse physiological or behavioral response in humans, plants, or animals		None shall be present.						
(62) 1,1,2,2-Tetra-chloroethane	Micrograms/L	\leq 0.17 annual avg.	\leq 10.8 annual avg.	\leq 10.8 annual avg.	\leq 10.8 annual avg.			
(63) Tetrachloroethylene (1,1,2,2-tetrachloroethene)	Micrograms/L	≤ 0.8 annual avg., ≤ 3.0 max	≤ 8.85 annual avg.	≤ 8.85 annual avg.	≤ 8.85 annual avg.			
(64) Thallium	Micrograms/L	< 1.7	< 6.3	< 6.3	< 6.3			
(65) Thermal Criteria (See Section 62- 302.520)								

Parameter	Units	Class I	Class II	Class III: Fresh	Class III: Marine	Class IV	Class V
(66) Total Dissolved Gases	Percent of the saturation value for gases at the existing atmospheric and hydrostatic pressures	≤110% of saturation value	≤ 110% of saturation value	≤110% of saturation value	\(\leq 110\% \) of saturation value		
(67) (Transparency	Depth of the compensation point for photosynthetic activity	Shall not be reduced by more than 10% as compared to the natural background value.	Shall not be reduced by more than 10% as compared to the natural background value.	Shall not be reduced by more than 10% as compared to the natural background value.	Shall not be reduced by more than 10% as compared to the natural background value.		
(68) Trichloroethylene (trichloroethene)	Micrograms/L	≤ 2.7 annual avg., ≤ 3.0 max	≤80.7 annual avg.	≤80.7 annual avg.	≤80.7 annual avg.		
(69) Turbidity	Nephelometric Turbidity Units (NTU)	≤29 above natural background conditions	≤ 29 above natural background conditions	≤ 29 above natural background conditions			
(70) Zinc	Micrograms/L See Notes (1) and (3).	$Zn \leq e^{(0.8473[\ln H]+0.884)}$	≤86	$Zn \leq e^{(0.8473[\ln H]+0.884)}$	≤86	≤1,000	≤ 1,000

 $Specific \ Authority \ 403.061, 403.062, 403.087, 403.504, 403.704, 403.804 \ FS. \ Law \ Implemented \ 403.021, 403.061, 403.087, 403.088, \\ 403.141, 403.161, 403.182, 403.502, 403.702, 403.708 \ FS. \ History - New 1-28-90, Formerly 17-3.065, Amended 2-13-92, 6-17-92, \\ Formerly 17-302.540, 17-302.550, 17-302.560, 17-302.570, 17-302.580, Amended 4-25-93, Formerly 17-302.530, Amended 1-23-95, 1-15-96, 5-15-02, 7-19-04, $$$_{\underline{-}}$_$