		62-302.530, Cri	teria for Surfac	e Water Quality	Classifications		
Parameter				Maintenance of	n, Propagation and a Healthy, Well- ation of Fish and dlife		
	Units	Class I: Potable Water Supply	Class II: Shellfish Propagation or Harvesting	Predominantly Fresh Waters	Predominantly Marine Waters	Class IV: Agricultural Water Supplies	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	<u>≤</u> 14.0	<u>≤</u> 4,300	≤ 4,300	<u>≤</u> 4,300		
(5) (a) Arsenic (total)	Micrograms/L	≤ 50	≤ 50	≤ 50	≤ 50	≤ 50	≤ 50
(5) (b) Arsenic (trivalent)	Micrograms/L measured as total recoverable Arsenic		≤ 36		≤ 36		
(6) Bacteriological Quality (Fecal Coliform Bacteria)	Number per 100 ml (Most Probable Number (MPN) or Membrane Filter (MF))	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 5 samples taken over a 30 day period.	the samples	in 10% of the samples, nor exceed 800 on any one day. Monthly averages shall be expressed as geometric means	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.		

Parameter	Heita	Class I	Class II	Class III:	Class III: Marine	Class IV	Class V
Parameter	Units	Class I	Class II	Fresh	Class III: Marine	Class IV	Class v
(7) Bacteriological Quality (Total Coliform Bacteria)	Number per 100 ml (Most Probable Number (MPN) or Membrane Filter (MF))	≤ 1,000 as a monthly avg., nor exceed 1,000 in more than 20% of samples examined during any month, nor exceed 2,400 at any time, using either MPN or MF counts.	Median MPN shall not exceed 70, and not more than 10% of the samples shall exceed an MPN of 230.	monthly average; nor exceed 1,000 in more than 20% of the samples examined during any month; ≤ 2,400 at any time. Monthly averages shall be expressed as geometric means	≤ 1,000 as a monthly average; nor exceed 1,000 in more than 20% of the samples examined during any month; ≤ 2,400 at any time. Monthly averages shall be expressed as geometric means based on a minimum of 10 samples taken over a 30 day period, using either the MPN or MF counts.		
(8) Barium	Milligrams/L	<u><</u> 1					
(9) Benzene	Micrograms/L	<u><</u> 1.18	≤ 71.28 annual avg.	≤ 71.28 annual avg.	≤ 71.28 annual avg.		
(10) 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:	Class III: Marine	Class IV	Class V
				Fresh			
(11) Biological Integrity	Percent reduction of Shannon-Weaver Diversity Index	The Index for benthic macroinvertebrates shall not be reduced to less than 75% of 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, incubated for a period of four weeks.	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	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 cm².		
(12) BOD (Biochemical Oxygen Demand)					cause dissolved oxyge t be great enough to p	•	
(13) Boron	Milligrams/L					<u><</u> 0.75	
(14) Bromates	Milligrams/L		<u>≤</u> 100		<u>≤</u> 100		
(15) Bromine (free molecular)	Milligrams/L		≤ 0.1		≤ 0.1		
(16) Cadmium	Micrograms/L See Note (3).	Cd ≤ e(0.7852[lnH]-3.49)	≤ 9.3	Cd <u>≤</u> _e (0.7852[lnH]-3.49)	≤ 9.3		
(17) Carbon tetrachloride	Micrograms/L	≤ 0.25 annual avg.; 3.0 max	≤ 4.42 annual avg.	≤ 4.42 annual avg.	≤ 4.42 annual avg.		

Parameter	Units	Class I	Class II	Class III:	Class III: Marine	Class IV	Class V
				Fresh			
(18) Chlorides	Milligrams/L	≤ 250	Not increased more than 10% above normal background. 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.
(19) Chlorine (total residual)	Milligrams/L	≤ 0.01	≤ 0.01	≤ 0.01	≤ 0.01		
(20) (a) Chromium (trivalent)	Micrograms/L measured as total recoverable Chromium See Note (3).	Cr (III) ≤ e(0.819[InH]+1.561)		Cr (III) ≤ e(0.819[InH]+1.561)		Cr (III) ≤ e(0.819[InH]+1.561)	In predominantly fresh waters, \leq $_{\rm e}$ (0.819[lnH]+1.561).
(20) (b) Chromium (hexavalent)	Micrograms/L	≤11	≤ 50	≤11	≤ 50	≤11	In predominantly fresh waters, ≤ 11. In predominantly marine waters, ≤ 50
(21) Chronic Toxicity (see definition in Section 62- 302.200(3) F.A.C. and also see below, "Substances in concentrations which")							

Parameter	Units	Class I	Class II	Class III:	Class III: Marine	Class IV	Class V
				Fresh			
(22) Color, etc. (see also Minimum Criteria, Odor, Phenols, 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 unsuitable for agricultural irrigation, livestock watering, industrial cooling, industrial process water supply purposes, or fish survival.	
(23) 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
(24) Copper	Micrograms/L See Note (3).	Cu ≤ e(0.8545[lnH]-1.465)	<u>≤</u> 2.9	Cu ≤ e(0.8545[lnH]-1.465)	<u><</u> 2.9	≤ 500	≤ 500
(25) Cyanide	Micrograms/L	≤ 5.2	<u>≤</u> 1.0	≤ 5.2	<u>≤</u> 1.0	≤ 5.0	≤ 5.0
(26) Definitions (see Section 62-302.200, F.A.C.)							
(27) Detergents	Milligrams/L	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5
(28) 1,1-Dichloro- ethylene (1,1-di- chloroethene)	Micrograms/L	≤ 0.057 annual avg.; ≤ 7.0 max	≤ 3.2 annual avg.	≤ 3.2 annual avg.	≤ 3.2 annual avg.		
(29) Dichloromethane (methylene chloride)	Micrograms/L	≤ 4.65 annual avg.	≤ 1,580 annual avg.	≤ 1,580 annual avg.	≤ 1,580 annual avg.		
(30) 2,4- Dinitrotoluene	Micrograms/L	≤ 0.11 annual avg.	≤ 9.1 annual avg.	≤ 9.1 annual avg.	≤ 9.1 annual avg.		

Parameter	Units	Class I	Class II	Class III: Fresh	Class III: Marine	Class IV	Class V
(31) 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 average less than 4.0 in a 24-hour period and shall never be less than 3.0.	
(32) Dissolved Solids	Milligrams/L	≤ 500 as a monthly avg.; ≤ 1,000 max					
(33) Fluorides	Milligrams/L	<u><</u> 1.5	<u>≤</u> 1.5	<u>≤</u> 10.0	≤ 5.0	<u>≤</u> 10.0	<u>≤</u> 10.0
(34) "Free Froms" (see Minimum Criteria in Section 62-302.500, F.A.C.)							
(35) "General Criteria" (see Section 62-302.510, F.A.C. and individual criteria)							
(36) (a) Halomethanes (Total trihalo-methanes) (total of bromoform, chloro-dibromomethane, dichlorobromomethane, and chloroform). Individual halomethanes shall not exceed (b)1. to (b)5. below.	Micrograms/L	≤ 100					

Parameter	Units	Class I	Class II	Class III: Fresh	Class III: Marine	Class IV	Class V
(36) (b) 1. Halomethanes (individual): Bromoform	Micrograms/L	≤ 4.3 annual avg.	≤ 360 annual avg.	≤ 360 annual avg.	≤ 360 annual avg.		
(36) (b) 2. Halomethanes (individual): Chlorodibromo- methane	Micrograms/L	≤ 0.41 annual avg.	≤ 34 annual avg.	≤ 34 annual avg.	≤ 34 annual avg.		
(36) (b) 3. Halomethanes (individual): Chloroform	Micrograms/L	≤ 5.67 annual avg.	≤ 470.8 annual avg.	≤ 470.8 annual avg.	≤ 470.8 annual avg.		
(36) (b) 4. Halomethanes (individual): Chloromethane (methyl chloride)	Micrograms/L	≤ 5.67 annual avg.	≤ 470.8 annual avg.	≤ 470.8 annual avg.	≤ 470.8 annual avg.		
(36) (b) 5. Halomethanes (individual): Dichlorobromo- methane	Micrograms/L	≤ 0.27 annual avg.	≤ 22 annual avg.	≤ 22 annual avg.	≤ 22 annual avg.		
(37) Hexachlorobuta- diene	Micrograms/L	≤ 0.45 annual avg.	≤ 49.7 annual avg.	≤ 49.7 annual avg.	≤ 49.7 annual avg.		
(38) Imbalance (see Nutrients)							
(39) Iron	Milligrams/L	≤ 0.3	<u><</u> 0.3	<u><</u> 1.0	<u><</u> 0.3	<u><</u> 1.0	
(40) Lead	Micrograms/L See Note (3).	Pb ≤ e(1.273[lnH]-4.705)	<u><</u> 5.6	Pb ≤ e(1.273[lnH]-4.705)	≤ 5.6	≤ 50	≤ 50
(41) Manganese	Milligrams/L		≤ 0.1				
(42) Mercury	Micrograms/L	≤ 0.012	≤ 0.025	≤ 0.012	≤ 0.025	≤ 0.2	≤ 0.2
(43) Minimum Criteria (see Section 62-302. 500, F.A.C.)							
(44) Mixing Zones (See Section 62- 4.246, F.A.C.)							

Parameter	Units	Class I	Class II	Class III: Fresh	Class III: Marine	Class IV	Class V
(45) Nickel	Micrograms/L See Note (3).	Ni <u><</u> e(0.846 [lnH]+1.1645)	≤ 8.3	Ni <u><</u> e(0.846[InH]+1.1645)	≤ 8.3	≤ 100	
(46) Nitrate	Milligrams/L as N	≤ 10 or that concentration that exceeds the nutrient criteria					
(47) Nuisance Species		Substan	ces in concentrations	which result in the dor	minance of nuisance s	species: none shall be	e present.
(48) (a) Nutrients		chapter. Man-ind	duced nutrient enrichm	ne to be limited as need nent (total nitrogen or to 62-302.700, and 62-4	otal phosphorus) shall		
(48) (b) Nutrients				s of a body of water be ons of aquatic flora or			
(49) 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.
(50) (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 5.0	Dissolved or emulsified oils and greases shall not exceed 5.0	Dissolved or emulsified oils and greases shall not exceed 5.0	Dissolved or emulsified oils and greases shall not exceed 5.0	Dissolved or emulsified oils and greases shall not exceed 10.0
(50) (b) Oils and Greases			oil, or visible oil defined be beneficial use of wat	d as iridescence, shall ters.	be present so as to o	ause taste or odor, or	otherwise
(51) Pesticides and Herbicides							
(51) (a) 2,4,5-TP	Micrograms/L	<u>≤</u> 10					
(51) (b) 2-4-D	Micrograms/L	≤ 100					
(51) (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		

Parameter	Units	Class I	Class II	Class III:	Class III: Marine	Class IV	Class V
				Fresh			
(51) (d) Beta- hexachlorocyclo- hexane (b-BHC)	Micrograms/L	≤ 0.014 annual avg.	≤ 0.046 annual avg.	≤ 0.046 annual avg.	≤ 0.046 annual avg.		
(51) (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		
(51) (f) DDT	Micrograms/L	≤ 0.00059 annual avg.; 0.001 max	≤ 0.00059 annual avg.; 0.001 max	≤ 0.00059 annual avg.; 0.001 max	≤ 0.00059 annual avg.; 0.001 max		
(51) (g) Demeton	Micrograms/L	<u><</u> 0.1	<u><</u> 0.1	<u><</u> 0.1	<u><</u> 0.1		
(51) (h) Dieldrin	Micrograms/L	≤ 0.00014 annual avg.; 0.0019 max	≤ 0.00014 annual avg.; 0.0019 max	≤ 0.00014 annual avg.; 0.0019 max	≤ 0.00014 annual avg.; 0.0019 max		
(51) (i) Endosulfan	Micrograms/L	≤ 0.056	<u><</u> 0.0087	≤ 0.056	≤ 0.0087		
(51) (j) Endrin	Micrograms/L	≤ 0.0023	≤ 0.0023	≤ 0.0023	≤ 0.0023		
(51) (k) Guthion	Micrograms/L	<u><</u> 0.01	<u><</u> 0.01	<u><</u> 0.01	<u><</u> 0.01		
(51) (I) 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		
(51) (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		
(51) (n) Malathion	Micrograms/L	<u><</u> 0.1	<u><</u> 0.1	<u><</u> 0.1	<u><</u> 0.1		
(51) (o) Methoxychlor	Micrograms/L	≤ 0.03	≤ 0.03	≤ 0.03	≤ 0.03		
(51) (p) Mirex	Micrograms/L	≤ 0.001	≤ 0.001	≤ 0.001	≤ 0.001		
(51) (q) Parathion	Micrograms/L	≤ 0.04	≤ 0.04	≤ 0.04	≤ 0.04		
(51) (r) Toxaphene	Micrograms/L	≤ 0.0002	≤ 0.0002	≤ 0.0002	≤ 0.0002		
(52) (a) pH (Class I and Class IV Waters)	Standard Units	raised above 8.5 unit than one unit above r	s. If natural backgrou	nd is less than 6 units, natural background is	ound provided that the p the pH shall not vary b higher than 8.5 units, t	below natural backgr	ound or vary more

Parameter	Units	Class I	Class II	Class III: Fresh	Class III: Marine	Class IV	Class V					
(52) (b) pH (Class II Waters)	Standard Units	F.A.C., or more than F.A.C., provided that units, the pH shall no more than two tenths not vary above natur	Shall not vary more than one unit above or below natural background of 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 6.5 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 for coastal waters or more than two-tenths unit 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.									
(52) (c) pH (Class III Waters)	Standard Units	defined in Section 62 defined in Section 62 or less than 6.5 units predominantly fresh more than one unit a above natural background or vary n	hall not vary more than one unit above or below natural background of predominantly fresh waters and coastal waters as efined 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 efined 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, r less than 6.5 units in predominantly marine waters, or raised above 8.5 units. If natural background is less than 6 units, in redominantly 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 bove natural background of open waters. If natural background is higher than 8.5 units, the pH shall not vary above natural ackground or vary more than one unit below natural background of predominantly fresh waters and coastal waters, or more than two-tenths unit below natural background of open waters.									
(52) (d) pH (Class V Waters)	Standard Units	Not lower than 5.0 no	or greater than 9.5 ex	cept certain swamp w	aters which may be a	s low as 4.5.						
(53)(a) Phenolic Compounds: Total				luced by the natural de able taste or odor in a			I not taint the flesh of					
(53) (b) Phenolic Compounds: Total	Micrograms/L	shall not exceed 1.0 be approved in writing	edible fish or shellfish or produce objectionable taste or odor in a drinking water supply. 1. The total of all chlorinated phenols, and chlorinated cresols, except as set forth in (c) 1. to (c) 4. below, shall not exceed 1.0 unless higher values are shown not to be chronically toxic. Such higher values shall be approved in writing by the Secretary. 2. The compounds listed in (c) 1. to (c) 6. below shall not exceed the limits specified for each compound. 2. The compounds listed in (c) 1. to (c) 6. below shall not exceed the limits specified for each compound. 3. Chlorinated phenols; 4. Delow, following Phenolic compounds shall not exceed the limits specified for each compound. 5. Chlorinated phenols; 6. Chlorinated cresols; and									
(53) (c) 1. Phenolic Compound: 2- chloro-phenol	Micrograms/L	≤ 120	≤ 120 < 400 < 400 < 400 < 400 See Note (4). See Note (4). See Note (4). See Note (4).									
(53) (c) 2. Phenolic Compound: 2,4- dichlorophenol	Micrograms/L	< 93 See Note (4).	< 790 See Note (4).	< 790 See Note (4).	< 790 See Note (4).	< 790 See Note (4).						

Parameter	Units	Class I	Class II	Class III: Fresh	Class III: Marine	Class IV	Class V
(53) (c) 3. Phenolic Compound: Pentachlorophenol	Micrograms/L	\leq 30 max; \leq 0.28 annual avg; \leq e ^(1.005[pH]-5.29)	<u>≤</u> 7.9	\leq 30 max; \leq 8.2 annual avg; \leq e ^(1.005[pH]-5.29)	<u><</u> 7.9	≤ 30	
(53) (c) 4. Phenolic Compound: 2,4,6- trichlorophenol	Micrograms/L	≤ 2.1 annual avg.	≤ 6.5 annual avg.	≤ 6.5 annual avg.	≤ 6.5 annual avg.	≤ 6.5 annual avg.	
(53) (c) 5. Phenolic Compound: 2,4-dinitrophenol	Milligrams/L	≤ 0.0697 See Note (4).	≤ 14.26 See Note (4).	≤ 14.26 See Note (4).	≤ 14.26 See Note (4).	≤ 14.26 See Note (4).	
(53) (c) 6. Phenolic Compound: Phenol	Milligrams/L	≤ 0.3	≤ 0.3	≤ 0.3	≤ 0.3	≤ 0.3	≤ 0.3
(54) Phosphorus (Elemental)	Micrograms/L		≤ 0.1		≤ 0.1		
(55) Phthalate Esters	Micrograms/L	<u>≤</u> 3.0		<u><</u> 3.0			
(56) 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		
(57) (a) Polycyclic Aromatic Hydrocarbons (PAHs). Total of: Acenaphthylene; Benzo(a)anthracene; Benzo(b)fluoranthen e; Benzo(ghi)perylene; Benzo(k)fluoranthen e; Chrysene; Dibenzo-(a,h)anthracene; Indeno(1,2,3-cd)-pyrene; and Phenanthrene		≤ 0.0028 annual avg.	≤ 0.031 annual avg.	≤ 0.031annual avg.	≤ 0.031 annual avg.		
(57) (b) 1. (Individual PAHs): Acenaphthene	Milligrams/L	< 1.2 See Note (4).	< 2.7 See Note (4).	< 2.7 See Note (4).	< 2.7 See Note (4).		

Parameter	Units	Class I	Class II	Class III:	Class III: Marine	Class IV	Class V
				Fresh			
(57) (b) 2. (Individual	Milligrams/L	< 9.6	< 110	< 110	< 110		
PAHs): Anthracene		See Note (4).	See Note (4).	See Note (4).	See Note (4).		
(57) (b) 3.	Milligrams/L	< 0.3	< 0.370	< 0.370	< 0.370		
(Individual PAHs): Fluoranthene		See Note (4).	See Note (4).	See Note (4).	See Note (4).		
(57) (b) 4. (Individual	Milligrams/L	< 1.3	< 14	< 14	< 14		
PAHs): Fluorene		See Note (4).	See Note (4).	See Note (4).	See Note (4).		
(57) (b) 5. (Individual	Milligrams/L	< 0.96	< 11	< 11	< 11		
PAHs): Pyrene		See Note (4).	See Note (4).	See Note (4).	See Note (4).		
(58) (a) Radioactive substances (Combined radium 226 and 228)	Picocuries/L	≤5	≤5	≤5	≤5	≤5	≤5
(58) (b) Radioactive substances (Gross alpha particle activity including radium 226, but excluding radon and uranium)		≤ 15	≤15	≤15	≤ 15	≤15	≤15
(59) Selenium	Micrograms/L	≤ 5.0	<u>≤</u> 71	<u>≤</u> 5.0	<u><</u> 71		
(60) Silver	Micrograms/L	≤ 0.07	See Minimum criteria in Section 62- 302.500	≤ 0.07	See Minimum criteria in Section 62- 302.500		
(61) Specific Conductance (see Conductance, Specific, above)							

Parameter	Units	Class I	Class II	Class III: Fresh	Class III: Marine	Class IV	Class V				
(62) 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.									
(63) 1,1,2,2-Tetra- chloroethane	Micrograms/L	≤ 0.17 annual avg.	≤ 10.8 annual avg.	≤ 10.8 annual avg.	≤ 10.8 annual avg.						
(64) Tetrachloroethyl-ene (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.						
(65) Thallium	Micrograms/L	< 1.7	< 6.3	< 6.3	< 6.3						
(66) Thermal Criteria (See Section 62- 302.520)											
(67) Total Dissolved Gases	Percent of the saturation value for gases at the existing atmospheric and hydrostatic pressures	value	≤110% of saturation value	≤ 110% of saturation value	≤ 110% of saturation value						
(68) 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.						
(69) Trichloroethylene (trichloroethene)	Micrograms/L	≤ 2.7 annual avg., ≤ 3.0 max	≤ 80.7 annual avg.	≤ 80.7 annual avg.	≤ 80.7 annual avg.						
(70) Turbidity	Nephelometric Turbidity Units (NTU)	≤ 29 above natural background conditions	≤ 29 above natural background conditions	≤ 29 above natural background conditions							

Parameter	Units	Class I	Class II	Class III: Fresh	Class III: Marine	Class IV	Class V
(71) Zinc	Micrograms/L See Note (3).	Zn ≤ e(0.8473[lnH]+0.761 4)	≤ 86	Zn ≤ e(0.8473[lnH]+0.761 4)	≤ 86	≤ 1,000	≤ 1,000