CHAPTER 62-302 SURFACE WATER QUALITY STANDARDS

62-302.400 Classification of Surface Waters, Usage, Reclassification, Classified Waters.

(1) All surface waters	of the State have been classified according to designated uses as follows:
CLASS I	Potable Water Supplies
CLASS I-Treated	Treated Potable Water Supplies
CLASS II	Shellfish Propagation or Harvesting
CLASS III	Fish Consumption; Recreation, Propagation and Maintenance of a Healthy, Well-
	Balanced Population of Fish and Wildlife
CLASS III-Limited	Fish Consumption; Recreation or Limited Recreation; and/or Propagation and Limited
	Maintenance of a Limited Population of Fish and Wildlife
CLASS IV	Agricultural Water Supplies
CLASS V	Navigation, Utility and Industrial Use

(2) through (4) No change.

(5) In addition to meeting applicable water quality criteria in Chapter 62-302, F.A.C., Class I-Treated Potable Water Supplies (Class I-Treated) waters shall also meet the requirements for discharged substances in paragraph 403.061(29)(b), F.S. Interested parties may provide the Department with documentation demonstrating that a Class I-Treated water would not attain the requirements of paragraph 403.061(29)(b), F.S., in accordance with Rule 62-620.555, F.A.C.

(5) through (15) renumbered as (6) through (16) No change.

(17) (16) Exceptions to Class III:

(a) No change.

(b) The following listed waterbodies are classified as Class I, <u>Class I-Treated</u>, Class II, Class III-Limited, or Class V. Copies of the maps referenced below may be obtained by writing to the Florida Department of environmental Protection, Water Quality Standards Program, 2600 Blair Stone Road, MS #6511, Tallahassee, FL 32399-2400. The written waterbody descriptions are to be read in conjunction with the incorporated maps; however, the maps will take precedence if any conflict is identified between the written descriptions and the maps.

1. through 10. No change.

11. Collier County.

Class I-Treated

Marco Lakes, as shown on the map titled "Class I waters in Collier County, June 2016,"

(http://www.flrules.org/Gateway/reference.asp?No=Ref-07077) which is incorporated by reference herein.

Class II

Cocohatchee River.

Connecting Waterways – From Wiggins Pass south to Outer Doctors Bay.

Dollar Bay.

Inner and Outer Clam Bay.

Inner and Outer Doctors Bay.

Little Hickory Bay.

Tidal Bays and Passes – Naples Bay and south and easterly through Rookery Bay and the Ten Thousand Islands to the Monroe County Line.

Wiggins Pass.

12. through 13. No change.

14. DeSoto County.

Class I

Horse Creek – From the northern border of Section 14, Township 38 South, Range 23 East, southward to Peace River, as shown on the map titled "Class I waters in DeSoto County, June 2016," (http://www.flrules.org/Gateway/reference.asp?No=Ref-07078) which is incorporated by reference herein. Prairie Creek – From the hHeadwaters of Prairie Creek to the Charlotte County Line, as shown on the map titled "Class I waters in DeSoto County, June 2016," which is incorporated by reference herein.

Class I-Treated

<u>Peace River Segment – From the confluence with Horse Creek southward to the southern line of Section 15.</u> Township 39 South, Range 23 East, as shown on the map titled "Class I waters in DeSoto County, June 2016," (http://www.flrules.org/Gateway/reference.asp?No=Ref-07078) which is incorporated by reference herein.

15. through 22. No change.

23. Gulf County.

Class I-Treated

Port St. Joe Canal, as shown on the map titled "Class I waters in Gulf County, June 2016,"

(http://www.flrules.org/Gateway/reference.asp?No=Ref-07079) which is incorporated by reference herein.

Class II

Indian Lagoon - West of Indian Pass and St. Vincent Sound.

St. Joseph Bay – South of a line from St. Joseph Point due east, excluding an area that is both within an arc 2.9 miles from the center of the mouth of Gulf County Canal and east of a line from St. Joseph Point to the northwest corner of <u>S</u>section 13, Township 8 South, Range 11 West.

24. through 25. No change.

26. Hendry County.

Class I

Lake Okeechobee, as shown on the map titled "Class I waters in Hendry County, June 2016,"

(http://www.flrules.org/Gateway/reference.asp?No=Ref-07080) which is incorporated by reference herein.

Class I-Treated

Caloosahatchee River Segment - From State Road 29 (Bridge Street) westward to the Lee County line, as shown on the map titled "Class I waters in Hendry County, June 2016,"

(http://www.flrules.org/Gateway/reference.asp?No=Ref-07080) which is incorporated by reference herein.

27. through 28. No change.

29. Hillsborough County.

Class I

Cow House Creek – Hillsborough River to source, as shown on the map titled "Class I waters in Hillsborough County, June 2016," (http://www.flrules.org/Gateway/reference.asp?No=Ref-07081) which is incorporated by reference herein.

Hillsborough River – City of Tampa Water Treatment Plant Dam to Flint Creek, as shown on the map titled "Class I waters in Hillsborough County, June 2016," (http://www.flrules.org/Gateway/reference.asp?No=Ref-07081) which is incorporated by reference herein.

Class I-Treated

Alafia River Segment - From Lithia Pinecrest Road (County Road 640) westward to Bell Shoals Road, as shown on the map titled "Class I waters in Hillsborough County, June 2016,"

(http://www.flrules.org/Gateway/reference.asp?No=Ref-07081) which is incorporated by reference herein. Tampa By-Pass Canal Segment - From the control structure S-163 at Cow House Creek to the control structure S-160 (north of State Road 60), and Harney Canal west to Harney Road, as shown on the map titled "Class I waters in Hillsborough County, June 2016," (http://www.flrules.org/Gateway/reference.asp?No=Ref-07081) which is incorporated by reference herein.

Class II

All or portions of Tampa Bay, Old Tampa Bay, and Mobbly Bay, excluding waters in the Tampa Harbor Channel and waters north of SR 580 in Rocky and Double Branch Creeks, as shown on the map titled "Class II waters in Hillsborough County, November 2015," (<u>http://www.flrules.org/Gateway/reference.asp?No=Ref-06394</u>) which is incorporated by reference herein.

30. through 47. No change.

Class I-Treated

Taylor Creek Reservoir, as shown on the map titled "Class I Waters in Orange and Osceola Counties, June 2016," (http://www.flrules.org/Gateway/reference.asp?No=Ref-07082) which is incorporated by reference herein.

Class I-Treated

Taylor Creek Reservoir, as shown on the map titled "Class I Waters in Orange and Osceola Counties, June 2016," (http://www.flrules.org/Gateway/reference.asp?No=Ref-07082) which is incorporated by reference herein. 50. through 67. No change.

Rulemaking Authority 403.061, 403.062, 403.087, 403.088, 403.504, 403.704, 403.804 FS. Law Implemented 403.021(11), 403.061, 403.087, 403.088, 403.141, 403.161, 403.182, 403.502, 403.504, 403.702, 403.708 FS. History–Formerly 28-5.06, 17-3.06, Amended and Renumbered 3-1-79, Amended 1-1-83, 2-1-83, Formerly 17-3.081, Amended 4-25-93, Formerly 17-302.400, Amended 12-26-96, 8-24-00, 12-7-06, 8-5-10, 8-1-13, 2-17-16.

62-302.530 Table: Surface Water Quality Criteria.

The following table contains both numeric and narrative surface water quality criteria to be applied except within zones of mixing. The left-hand column of the Table is a list of constituents for which a surface water criterion exists. The headings for the water quality classifications are found at the top of the Table, and the classification descriptions for the headings are specified in subsection 62-302.400(1), F.A.C. Applicable criteria lie within the Table. The individual criteria should be read in conjunction with other provisions in water quality standards, including Rule 62-302.500, F.A.C. The criteria contained in Rule 62-302.500, F.A.C., also apply to all waters unless alternative or more stringent criteria are specified in Rule 62-302.530, F.A.C. Unless otherwise stated, all criteria express the maximum not to be exceeded at any time except within established mixing zones or in accordance with site-specific effluent limitations developed pursuant to Rule 62-620.620, F.A.C. In some cases, there are separate or additional limits, which apply independently of the maximum not to be exceeded at any time. For example, the human healthbased criteria that for carcinogens, which are expressed as an annual average (denoted as "annual avg." in the Table), are applied as the maximum allowable annual average concentration at the long-term harmonic mean flow (see subsection 62-302.200(2), F.A.C.). Numeric interpretations of the narrative nutrient criterion in paragraph 62-302.530(47)(b), F.A.C., shall be expressed as spatial averages and applied over a spatial area consistent with their derivation. In applying the water quality standards, the Department shall take into account the variability occurring in nature and shall recognize the statistical variability inherent in sampling and testing procedures. The Department's assessment methodology, set forth in Chapter 62-303, F.A.C., accounts for such natural and statistical variability when used to assess ambient waters pursuant to sections 305(b) and 303(d) of the Federal Clean Water Act.

		Criteria	for Surface W	Vater Quality C	Classifications			
		CI	*	-	Class III and C	lass III-Limited		
		Clas	ss I		(see N	lote 4)		
				İ			ľ	
D (T T		Class I-		Predominantly	Predominantly		
Parameter	Units	Class I	Treated	Class II	Fresh Waters	Marine Waters	Class IV	Class V
(1) Acenaphthene	Micrograms/L	≤ 110 annual	≤ 110	≤ 130	≤ 130 annual	≤ 130 annual		
· · · ·		avg.	annual avg.	annual avg.	avg.	avg.		
(2) Acrolein	Micrograms/L	≤ 3 annual	\leq 3 annual	<u>≤ 300</u>	≤ 300 annual	$\leq 300 \text{ annual}$		
<u>, , , , , , , , , , , , , , , , , , , </u>		avg.	avg.	annual avg.	avg.	avg.		
(3) Acrylonitrile	Micrograms/L	< 0.13 annual	< 0.13	< 11 annual	< 11 annual	< 11 annual		
<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>		avg.	annual avg.	avg.	avg.	avg.		
(4) Aldrin	Micrograms/L	< 0.0000038	< 0.0000038	< 0.000038	< 0.000038	< 0.0000038		
<u>, , , , , , , , , , , , , , , , , , , </u>		annual avg · <	annual avg :	annual avg :	annual avg :	annual avg.:		
		<u>annuar avg., s</u> 3.0 max	< 3.0 max	< 1.3 max	< 3.0 max	< 1.3 max		
(5) (1) Alkalinity	Milligrams/I	Shall not be	Shall not be	<u>= 1.5 mux</u>	Shall not be	<u>_ 1.5 max</u>	< 600	
<u>(5)</u> (1) Aikannity	as CaCOa	depressed	depressed		depressed		≤ 000	
	u <u>s_</u> cuco3	below 20. In	below 20. In		below 20. In			
		waterbodies	waterbodies		waterbodies			
		with natural	with natural		with natural			
		alkalinity	alkalinity		alkalinity			
		levels below	levels below		levels below 20			
		20 mg/L,	20 mg/L,		mg/L,			
		alkalinity	alkalinity		alkalinity shall			
		shall not be	shall not be		not be reduced			
		reduced by	reduced by		by more than			
		more than	more than		25%.			
		25%.	25%.					
(<u>6)</u> (2) Aluminum	Milligrams/L			≤ 1.5		≤ 1.5		
(7) (3) Ammonia (Total	Milligrams/L	The 30-day av	erage TAN va	lue shall not e	xceed the average	e of the values ca	lculated from	the following
Ammonia Nitrogen)	as Total	equation, with	no single valu	e exceeding 2	.5 times the value	e from the equation	on:	_
(Class I, Class I-	Ammonia							
Treated, Class III	Nitrogen	30 – day Aver	age — 0.8876	$\times (-0.0278)$	1.1994) x (2 126 x	100.028×(20-M	AX(T,7))
fresh water, and Class	$(TAN = NH_4^+ +$	bo day nver	uge = 0.0070	$(1+10^{7.688})$	$-pH$ 1 + 10 $^{pH-1}$	7.688) ~ (2.120 ×	10	
III-Limited fresh	NH ₃)		~					
water)		T and pH are d	efined as the p	baired tempera	ture (°C) and pH	associated with t	the TAN samp	ble. For
		purposes of to	al ammonia n	trogen criterio	on calculations, p	H is subject to the	e range of 6.5	to 9.0. The
		pH shall be set	at 6.5 if meas	ured pH is < 6	5.5 and set at 9.0	if the measured p	H 1s > 9.0.	
							1	
(8) Anthracene	Micrograms/L	$\leq 460 \text{ annual}$	<u>≤460</u>	<u>≤ 540</u>	<u>≤ 540 annual</u>	<u>≤ 540 annual</u>		
		<u>avg.</u>	<u>annual avg.</u>	annual avg.	<u>avg.</u>	<u>avg.</u>		
<u>(9)</u> (4) Antimony	Micrograms/L	$\leq 2.4 \text{ annual}$	$\leq 2.4 \text{ annual}$	≤ <u>240</u>	≤ <u>240 annual</u>	≤ <u>240 annual</u>		
		<u>avg.</u> 14.0	<u>avg.</u>	annual avg.	<u>avg.</u> 4,300	<u>avg.</u> 4,300		
				4,300				
(10) (5) (a) Arsenic	Micrograms/L	≤ 10	<u>≤ 10</u>	≤ 50	≤ 50	≤ 50	≤ 50	≤ 50
(total)								
(10) (5) (b) Arsenic	Micrograms/L			≤ 36		≤ 36		
(trivalent)	measured as							
	total							
	recoverable							
	Arsenic			L			100/ 01	
(11) (6) (a)	Number per	MPN or MF co	ounts shall not	exceed a med	1an value of 14 w	11th not more than	n 10% of the s	amples
Bacteriological	100 ml (Most	exceeding 43 (10r MPN) or 3	1 (IOT MF), no	or exceed 800 on	any one day. To	determine the	percentage
Quality (Fecal	Number	or samples exc	eeding the crit	100*(-7))/N where r	is the number of	MDN comm1-	uy, the
(Class II Waters)	(MDN) or	43 p is the p	e calculated as	s 100° (n _{mpn} +n _r	$n_{\rm f}$ //1N, where $n_{\rm mpn}$	is the total number of	wirn samples	d ME
(Class II waters)	Membrana	+3, II _{mf} is use n	unider of MF	samples greate	a man 51, and N	is the total humb	of of MIPIN and	u IVII.
	Filter (MF))	samples.						
	1 IIICI (WII'))							

	Criteria for Surface Water Quality Classifications									
		~	-		Class III and C	lass III-Limited				
		Clas	ss I		(see N	lote 4)				
D. I	TT 1 .	~ ~	Class I-	C1 11	Predominantly	Predominantly	C1			
Parameter	Units	Class I	Treated	Class II	Fresh Waters	Marine Waters	Class IV	Class V		
(11) (6) (b)	Number per	MPN or MF co	ounts shall not	exceed a mor	thly geometric m	ean of 126 nor e	xceed the Ten	Percent		
Bacteriological	100 ml (Most	Threshold Value	ue (TPTV) of	410 in 10% or	more of the sam	ples during any 3	30-day period.	Monthly		
Quality (Escherichia	Probable	geometric mea	ns shall be bas	sed on a minin	num of 5 samples	taken over a 30-	-day period.			
<i>coli</i> Bacteria)	Number	8			F					
(Class I and Class I-	(MPN) or									
Treated Waters)	Membrane									
	Filter (MF))									
(11) (c)	Number per	MPN or MF co	ounts shall not	exceed a mon	thly geometric m	ean of 126 nor e	xceed the Ten	Percent		
Bacteriological	100 ml (Most	Threshold Valu	ue (TPTV) of	410 in 10% or	more of the sam	ples during any 3	30-day period.	Monthly		
Ouality (Escherichia	Probable	geometric mea	ns shall be bas	sed on a minin	num of 10 sample	es taken over a 30	O-day period.			
<i>coli</i> Bacteria)	Number	e			<u> </u>					
(Class III	(MPN) or									
Predominantly Fresh	Membrane									
Waters)	Filter (MF))									
(11) (d) (6) (c)	Number per	MPN or MF co	ounts shall not	exceed a mon	thly geometric m	ean of 35 nor ex	ceed the Ten F	ercent		
Bacteriological	100 ml (Most	Threshold Valu	ue (TPTV) of	130 in 10% or	more of the sam	ples during any 3	30-day period.	Monthly		
Ouality (Enterococci	Probable	geometric mea	ns shall be bas	sed on a minin	num of 10 sample	es taken over a 30	0-day period.			
Bacteria)	Number	8			I I I I I I I I I I I I I I I I I I I		J I I I I I I I I I I I I I I I I I I I			
(Class III	(MPN) or									
Predominantly Marine	Membrane									
Waters)	Filter (MF))									
(12) (7) Barium	Milligrams/L	< 1	< 1							
(13) (8) Benzene	Micrograms/L	< 2.0 annual	< 2.0 annual	< 53 annual	< 53 annual	< 53 annual				
(15) (0) Belizence	Wherograms, E	$= \frac{2.0 \text{ annual}}{2.0 \text{ annual}}$	<u>2.0 annuar</u>	avg 71 28	$3 \sqrt{9} \sqrt{71.28}$	$\underline{3} \underline{3} \underline{3} \underline{3} \underline{3} \underline{3} \underline{3} \underline{3} $				
		<u>avg.</u> 1.10	<u>avg.</u>	annual avo	annual avo	annual avo				
(14) Benzidine	Micrograms/I	< 0.00031	< 0.00031	< 0.020	≤ 0.020 appual	≤ 0.020 appual				
(14) Delizidine	wherograms/L	$\underline{\geq 0.00031}$	≤ 0.00031	≤ 0.020	≤ 0.020 annual					
(15) Danza(a)	Miono onomo /I	$\underline{a m a a vg.}$	\underline{annuar} avg.	$\underline{a muar a vg.}$	$\underline{avg.}$	<u>avg.</u>				
(13) Belizo(a)-	Micrograms/L	<u>≤ 0.012000</u>	<u>≤ 0.012000</u>	<u>≤ 0.014000</u>	≤ 0.014000	≤ 0.014000				
	М . (Т	annual avg.	annual avg.	annual avg.	annual avg.	annual avg.				
(16) Benzo(a)pyrene	Micrograms/L	<u>≤ 0.001200</u>	<u>≤ 0.001200</u>	<u>≤0.001400</u>	<u>≤ 0.001400</u>	<u>≤ 0.001400</u>				
		<u>annual avg.</u>	annual avg.	annual avg.	<u>annual avg.</u>	<u>annual avg.</u>				
(17) Benzo(b)-	Micrograms/L	<u>≤ 0.012000</u>	<u>≤0.012000</u>	<u>≤0.014000</u>	<u>≤ 0.014000</u>	<u>≤ 0.014000</u>				
fluoranthene		<u>annual avg.</u>	annual avg.	annual avg.	<u>annual avg.</u>	<u>annual avg.</u>				
(18) Benzo(k)-	Micrograms/L	$\leq 0.12 \text{ annual}$	≤ 0.12	≤ 0.140	$\leq 0.140 \text{ annual}$	$\leq 0.140 \text{ annual}$				
fluoranthene		<u>avg.</u>	annual avg.	<u>annual avg.</u>	<u>avg.</u>	<u>avg.</u>				
<u>(19)</u> (9) Beryllium	Micrograms/L	$\leq 11 \text{ annual}$	$\leq 11 \text{ annual}$	$\leq 64 \text{ annual}$	≤ <u>64 annual</u>	≤ <u>64 annual</u>	≤ 100 in			
		<u>avg.</u> 0.0077	<u>avg.</u>	<u>avg. 0.13</u>	<u>avg. 0.13</u>	<u>avg. 0.13</u>	waters with			
		annual avg.		annual avg.	annual avg.	annual avg.	a hardness			
							in mg/L of			
							CaCO ₃ of			
							less than			
							250 and			
							shall not			
							exceed 500			
							in harder			
							waters			
(20) beta-Hexachloro-	Micrograms/L	<u>≤0.018</u>	≤ 0.018	≤ 0.033	≤ 0.033 annual	≤ 0.033 annual				
cyclohexane (b-BHC)		annual avg.	annual avg.	annual avg.	avg.	avg.				

		Criteria	for Surface W	Vater Quality C	lassifications			
		Clar	an I		Class III and C	lass III-Limited		
		Clas	55 1		(see N	lote 4)		
					Predominantly	Predominantly		
Parameter	Units	Class I	Class I-	Class II	Fresh Waters	Marine Waters	Class IV	Class V
		Chubb I	Treated		Tresh Waters	Marine Waters		
(21)(10)(a)	Per cent	The Index for	benthic macro	invertebrates s	hall not be reduc	ed to less than 75	5% of backgro	und levels as
Biological Health	reduction of	measured using	g organisms re	etained by a U	S. Standard No.	30 sieve and coll	lected and con	posited from
(Shannon-Weaver	Shannon-	a minimum of	three Hester-I	Dendy type art	ificial substrate s	amplers of 0.10 t	o 0.15 m ² area	each,
Diversity Index using	Weaver	incubated for a	a period of fou	r weeks.				
Hester-Dendy type	Diversity Index							
samplers)								
Class I waters, Class								
Class III								
Predominantly Fresh								
Waters)								
(21) (10) (b)	Per cent	1 Class I Cla	ss I-Treated a	nd Class III P	redominantly Fre	sh Waters [.] In lak	res the Index f	or benthic
Biological Health	reduction of	macroinverteb	rates shall not	be reduced to	less than 75% of	established back	ground levels	as measured
(Shannon-Weaver	Shannon-	using organism	ns retained by	a U.S. Standar	d No. 30 sieve a	nd collected and	composited fro	om a
Diversity Index using	Weaver	minimum of th	ree natural su	bstrate sample	s, taken with Ekr	nan or Ponar type	e samplers wit	h minimum
Ekman or Ponar type	Diversity Index	sampling area	of 225 cm^2	1		51	1	
samplers)	-	sampning area	01 225 cm .					
-		2 Class II and	1 Class III Pre	dominantly M	arine Waters: Th	e Index for benth	nic macroinver	tebrates shall
		not be reduced	to less than 7	5% of establis	hed background	levels as measure	ed using organ	isms retained
		by a U.S. Sta	ndard No. 30	sieve and co	ollected and con	posited from a	minimum of	three natural
		substrate comp	los tekon with	Donor tuno de	malara with min	imum compling o	rea of 225 am	2
(22) Bis (2)	Micrograms/I			< 4.1 oppus	41 annual	≤ 4.1 appual		•
<u>(22) DIS (2-</u> Chloroethyl) Ether	wherograms/L	≥ 0.000	$\underline{\geq 0.000}$	\geq 4.1 annual	$\geq 4.1 \text{ annual}$	\geq 4.1 alliual		
(23) Bis (2 Chloro 1	Micrograms/I	<u>annuar avg.</u>	<u>annuar avg.</u>	<u>avg.</u>	$\frac{avg.}{4000 annual}$	$\frac{avg.}{4000 \text{ annual}}$		
Methylethyl) Ether	wherograms/L	$\leq 240 \operatorname{amual}$	<u>≥ 240</u> annual avo	<u>- 4000</u> annual avσ	<u>avg</u>	$\leq 4000 \operatorname{annual}$		
(24) Bis (2-Ethyl-	Micrograms/I	≤ 1.5 appual	≤ 1.5 annual	≤ 2.1 annual	≤ 21 appual	< 2 1 annual		
hexyl) Phthalate	Milerograms/E	$\underline{\simeq 1.5 \text{ annual}}$ avg.	avg.	avg.	avg.	<u>avg.</u>		
(25) (11) BOD		Shall not be in	creased to exc	eed values wh	ich would cause	dissolved oxygen	to be depress	ed
(Biochemical Oxygen		below the limit	t established fo	or each class a	nd, in no case, sh	all it be great end	ough to produc	e e
Demand)		nuisance condi	itions.		,,	8	8 F	-
(26) (12) Boron	Milligrams/L						≤ 0.75	
(27) (13) Bromates	Milligrams/L			≤ 100		≤ 100		
(28) (14) Bromine	Milligrams/L			< 0.1		< 0.1		
(free molecular)	e							
(29) Bromoform	Micrograms/L	≤ 15 annual	\leq 15 annual	<u>≤260</u>	<u>≤ 260 annual</u>	<u>≤ 260 annual</u>		
	_	<u>avg.</u>	<u>avg.</u>	annual avg.	<u>avg.</u>	<u>avg.</u>		
(30) Butylbenzyl	Micrograms/L	\leq 0.29 annual	≤ 0.29	≤ 0.29	≤ 0.29 annual	≤ 0.29 annual		
Phthalate		<u>avg.</u>	annual avg.	annual avg.	<u>avg.</u>	<u>avg.</u>		
(31) (15) Cadmium	Micrograms/L	Cd≤	<u>Cd ≤</u>	≤ 8.8	Cd≤	≤ 8.8		
	See Notes (1)	e ^{(0.7409[lnH]-}	e ^{(0.7409[lnH]-}		e ^{(0.7409[lnH]-4.719);}			
	and (3).	4.719) <u>.</u>	<u>4.719)</u>					
(32) Carbaryl	Micrograms/L	<u>≤ 2.1</u>	<u>≤ 2.1</u>		<u>≤ 2.1</u>			
(33) (16) Carbon	Micrograms/L	≤ <u>0.95</u> 0.25	<u>≤0.95</u>	≤ <u>10</u> 4.42	≤ <u>10</u> 4.42	≤ <u>10</u> 4.42		
tetrachloride		annual avg.;	annual avg.	annual avg.	annual avg.	annual avg.		
		3.0 max						
(34) Chlordane	Micrograms/L	≤ 0.0010	≤ 0.0010	<u>≤0.0010</u>	≤ 0.0010	≤ 0.0010		
		<u>annual avg.; ≤</u>	annual avg.;	annual avg.;	<u>annual avg.; ≤</u>	<u>annual avg.;</u>		
		<u>0.0043 max</u>	<u>≤0.0043</u>	<u>≤ 0.004 max</u>	<u>0.0043 max</u>	<u>≤ 0.004 max</u>		
			max					

		Criteria	for Surface W	Vater Quality C	Classifications			
		Clas	se I		Class III and C	lass III-Limited		
		Cia	55 1		(see N	lote 4)		
					Predominantly	Predominantly		
Parameter	Units	Class I	<u>Class I-</u> <u>Treated</u>	Class II	Fresh Waters	Marine Waters	Class IV	Class V
(35) (17) Chlorides	Milligrams/L	≤ 250		Not		Not increased		In
				increased		more than 10%		predominant
				more than		above normal		-ly marine
				10% above		background.		waters, not
				normal		Normal daily		increased
				Normal		fluctuations		10% above
				daily and		shall be		normal
				seasonal		maintained.		background.
				fluctuations				Normal
				shall be				daily and
				maintained.				seasonal
								fluctuations
								shall be
	N 61111							maintained.
(36) (18) Chlorine (total residual)	Milligrams/L	≤ 0.01	<u>≤ 0.01</u>	≤ 0.01	≤ 0.01	≤ 0.01		
(37) Chlorobenzene	Micrograms/L	$\leq 110 \text{ annual}$	<u>≤110</u>	<u>≤970</u>	<u>≤ 970 annual</u>	<u>≤ 970 annual</u>		
		<u>avg.</u>	<u>annual avg.</u>	<u>annual avg.</u>	<u>avg.</u>	<u>avg.</u>		
(38) Chlorodibromo-	Micrgrams/L	$\leq 1.8 \text{ annual}$	\leq 1.8 annual	\leq 44 annual	<u>≤ 44 annual</u>	<u>≤ 44 annual</u>		
methane		<u>avg.</u>	<u>avg.</u>	<u>avg.</u>	<u>avg.</u>	<u>avg.</u>		
(39) Chloroform	Micrograms/L	<u>≤ 60 annual</u>	<u>≤ 60 annual</u>	<u>≤ 2300</u>	≤ 2300 annual	<u>≤ 2300 annual</u>		
		<u>avg.</u>	<u>avg.</u>	<u>annual avg.</u>	<u>avg.</u>	<u>avg.</u>		
(40) Chlorophenoxy	Micrograms/L	$\leq 160 \text{ annual}$	<u>≤160</u>	<u>≤ 570</u>	<u>≤ 570 annual</u>	<u>≤ 570 annual</u>		
Herbicide (2,4,5-TP) [Silvex]		<u>avg.</u>	<u>annual avg.</u>	<u>annual avg.</u>	<u>avg.</u>	<u>avg.</u>		
(41) Chlorophenoxy	Micrograms/L	$\leq 1200 \text{ annual}$	<u>≤ 1200</u>	<u>≤ 13000</u>	\leq 13000 annual	<u>≤ 13000 annual</u>		
Herbicide (2,4-D)		<u>avg.</u>	<u>annual avg.</u>	<u>annual avg.</u>	<u>avg.</u>	<u>avg.</u>		
(42) Chlorpyrifos	Micrograms/L	<u>≤ 0.041</u>	<u>≤0.041</u>	<u>≤ 0.0056</u>	<u>≤ 0.041</u>	<u>≤ 0.0056</u>		
<u>(43)</u> (19) (a)	Micrograms/L	Cr (III) ≤	<u>Cr (III) ≤</u>		Cr (III) ≤		Cr (III) ≤	In
Chromium (trivalent)	measured as	$e^{(0.819[lnH]+0.6848)}$	$e^{(0.819[\ln H]+0.684}$		e ^(0.819[lnH]+0.6848)		$e^{(0.819[\ln H]+0.684}$	predominant
	total		<u>8)</u>				8)	ly fresh
	recoverable							waters, ≤
	Chromium							e ^{(0.819[inH]+0.684}
	see Notes (1)							0)
$(43) \frac{(19)}{(19)}$ (b)	Micrograms/I	< 11	< 11	< 50	< 11	< 50	< 11	In
Chromium	See Note (3)	11	<u> </u>	<u> </u>	11	_ 50	_ 11	predominant
(hexavalent)								ly fresh
								waters, ≤ 11 .
								In
								predominant
								ly marine
								waters,
								≤ 50

Criteria for Surface Water Quality Classifications								
		CI			Class III and C	lass III-Limited		
		Clas	ss I		(see N	lote 4)		
						,	.	
_			Class I-		Predominantly	Predominantly	~ ~ ~	~
Parameter	Units	Class I	Treated	Class II	Fresh Waters	Marine Waters	Class IV	Class V
(20) Chronic Toxicity								
(see definition in								
subsection 62								
302 200(5) E A C								
and also see below								
"Substances in								
concentrations								
which ")								
(14) Chrusono	Micrograms/I	< 1.2 annual	< 1.2 annual	< 1.4 annual	< 1.4 annual	< 1.4 annual		
(44) Chi ysene	wherograms/L	≤ 1.2 annual	\leq 1.2 annual	\leq 1.4 annual	\leq 1.4 annual	\leq 1.4 annual		
	<u> </u>	<u>avg.</u>	<u>avg.</u>	<u>avg.</u>	<u>avg.</u>	<u>avg.</u>		
(45) (21) Color, etc.	Class IV Waters	<u>s:</u> Color, odor, a	nd taste produ	cing substance	es and other delet	terious substance	s, including of	her chemical
(see also Minimum	compounds attri	butable to dome	estic wastes, ir	ndustrial waste	es, and other was	tes: Only such an	nounts as will	not render
Uniteria, Odor,	the waters unsui	table for agricu	itural irrigatio	n, livestock wa	atering, industria	i cooling, industr	ial process wa	ter supply
Phenols, etc.)	purposes, or fish	n survival.	a 1 1:	r	01 11		a 1 11 1	a 1 1:
(46) (22)	Micromhos/cm	Shall not be	Shall not be		Shall not be		Shall not be	Shall not
Conductance, Specific		increased	increased		increased more		increased	exceed
		more than	more than		than 50%		more than	4,000
		50% above	<u>50% above</u>		above		50% above	
		background	background		background or		background	
		or to 1275,	<u>or to 1275,</u>		to 1275,		or to 1275,	
		whichever is	whichever is		whichever is		whichever is	
		greater.	greater.		greater.		greater.	
(47) (23) Copper	Micrograms/L	Cu≤	<u>Cu ≤</u>	≤ 3.7	Cu≤	≤ 3.7	≤ 500	≤ 500
	See Notes (1)	e ^(0.8545[lnH]-1.702)	e ^{(0.8545[lnH]-}		e ^(0.8545[lnH]-1.702)			
	and (3).		<u>1.702)</u>					
(48) (24) Cyanide	Micrograms/L	\leq 3.7 annual	\leq 3.7 annual	≤ 1.0 <u>max</u>	≤ 5.2 <u>max</u>	≤ 1.0 <u>max</u>	≤ 5.0 <u>max</u>	≤ 5.0 <u>max</u>
		avg.;	avg.;					
		≤ 5.2 <u>max</u>	$\leq 5.2 \text{ max}$					
(25) Definitions (see								
Section 62-302.200,								
F.A.C.)								
(49) Demeton	Micrograms/L	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1		
(50) (26) Detergents	Milligrams/L	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
(51) Diszinon	Micrograms/I	< 0.17	<u>= 0.5</u>	< 0.82	< 0.17	< 0.82	⊒ 0.5	<u> </u>
$\frac{(51) \text{ Diazinon}}{(52) \text{ Diazinon}}$	Missis anama /I	<u>\$ 0.17</u>	<u>≤ 0.17</u>	<u> </u>	<u>\$ 0.17</u>	<u> </u>		
(52) Dibenzo(a,n)-	Micrograms/L	<u>≤ 0.001200</u>	<u>≤ 0.001200</u>	<u>≤ 0.001400</u>	<u>≤ 0.001400</u>	<u>≤ 0.001400</u>		
anthracene		<u>annual avg.</u>	annual avg.	annual avg.	annual avg.	annual avg.		
(53) Dichlorobromo-	Micrograms/L	$\leq 2.1 \text{ annual}$	≤ 2.1 annual	<u>≤ 57 annual</u>	<u>≤ 57 annual</u>	<u>≤ 57 annual</u>		
methane (Bromo-		<u>avg.</u>	<u>avg.</u>	<u>avg.</u>	<u>avg.</u>	<u>avg.</u>		
dichloromethane)								
(27) 1,1-	Micrograms/L	<u>≤ 0.057</u>		\leq 3.2 annual	≤ 3.2 annual	\leq 3.2 annual		
Dichloroethylene (1,1-		annual avg.;		avg.	avg.	avg.		
dichloroethene)		<u>≤ 7.0 max</u>						
(28) Dichloromethane	Micrograms/L	\leq 4.65 annual		<u><1,580</u>	\leq 1,580 annual	$\leq 1,580$ annual		
(methylene chloride)		avg.		annual avg.	avg.	avg.		
(54) Dieldrin	Micrograms/L	≤ 0.0000054	≤ 0.0000054	≤ 0.0000054	≤ 0.0000054	<u>≤ 0.0000054</u>		
		annual avg.:	annual avg.;	annual avg.;	annual avg.;	annual avg.;		
		$\leq 0.0019 \text{ max}$	≤ 0.0019	≤ 0.0019	$\leq 0.0019 \text{ max}$	$\leq 0.0019 \text{ max}$		
			max	max				
(55) Diethyl Phthalate	Micrograms/L	< 770 annual	< 770	< 840	< 840 annual	< 840 annual		
<u>,</u>		avo	annual avo	annual avo	avo	ave		
(56) Dimethyl	Micrograma	$\leq 2400 \text{ and } 1$	< 2400	< 2400	$\leq 2400 \text{ arms}^1$	$\leq 2400 \text{ arms}^{-1}$		
Dhthalata	iviterograms/L	$\simeq 2400 \text{ annual}$	<u>> 2400</u>	<u>> 2400</u>	$\simeq 2400 \text{ annual}$	$\simeq 2400 \text{ annual}$		
1 IIIIaiaiC		<u>avg.</u>	<u>annuai avg.</u>	<u>annuai avg.</u>	<u>avg.</u>	<u>avg.</u>		

	Criteria for Surface Water Quality Classifications							
		01	a I		Class III and C	lass III-Limited		
		Clas	58.1		(see N	lote 4)		
				Ť	D 1 1 1	D 1 1 1	l	
Parameter	Units	Class I	<u>Class I-</u> <u>Treated</u>	Class II	Fresh Waters	Marine Waters	Class IV	Class V
(57) Di-n-Butyl	Micrograms/L	≤ 35 annual	\leq 35 annual	\leq 36 annual	\leq 36 annual	\leq 36 annual		
Phthalate	-	avg.	avg.	avg.	avg.	avg.		
(29) 2,4-	Micrograms/L	≤ 0.11 annual		≤ 9.1 annual	$\leq 9.1 \text{ annual}$	$\leq 9.1 \text{ annual}$		
Dinitrotoluene	C	avg.		avg.	avg.	avg.		
(58) (a) Dissolved	Milligrams/L	See Rule 62-30)2.533, F.A.C.	<u> </u>			1	1
Oxygen (Class I								
Waters, Class I-								
Treated Waters, Class								
II Waters, Class III,								
Class III-Limited								
Waters)								
(58) (b) Dissolved	Milligrams/L	Shall not avera	ge less than 4	.0 in a 24-hour	r period and shall	never be less that	an 3.0.	
Oxygen (Class IV								
Waters)								
(58) (c) Dissolved	Milligrams/L	Shall not be les	ss than 0.3, fif	ty percent of the	he time on an ani	ual basis for flow	ws greater that	n or equal to
Oxygen (Class V		250 cubic feet	per second an	d shall never b	e less than 0.1. N	Jormal daily and	seasonal fluct	uations above
Waters)		these levels sha	all be maintair	ned.				
(30) Dissolved	Milligrams/L	See Rule 62-30)2.533, F.A.C.	Ŧ			Shall not	Shall not be
Oxygen							average less	less than
							than 4.0 in a	0.3, fifty
							24-hour	percent of
							period and	the time on
							shall never	an annual
							be less than	basis for
							3.0.	flows
								greater than
								or equal to
								250 cubic
								feet per
								second and
								shall never
								be loss than
								0.1 Normal
								daily and
								seasonal
								fluctuations
								above these
								lavals shall
								be main
								toined
(59) (31) Dissolved	Milligrame/I	< 500 as a						
Solids	iningrams/ L	\rightarrow 500 as a						
Solids		$\leq 1.000 \text{ may}$						
(CO) E 1 10	NC: //	$\leq 1,000$ max	10.055	10.0007	10.056	< 0.0007		
(60) Endosultan	Micrograms/L	<u>≤ 0.056</u>	<u>≤ 0.056</u>	<u>≤ 0.0087</u>	<u>≤ 0.056</u>	<u>≤ 0.0087</u>		
(61) Endrin	Micrograms/L	<u>≤ 0.0023</u>	<u>≤ 0.0023</u>	<u>≤ 0.0023</u>	<u>≤ 0.0023</u>	<u>≤ 0.0023</u>		
(62) Ethylbenzene	Micrograms/L	$\leq 80 \text{ annual}$	$\leq 80 \text{ annual}$	$\frac{\leq 140}{1}$	$\leq 140 \text{ annual}$	$\leq 140 \text{ annual}$		
(62) Elugar etterne	Miono arra - /	<u>avg.</u>	<u>avg.</u>	annual avg.	avg.	avg.		
(05) Fluorantnene	wherograms/L	\leq 18 annual	\leq 18 annual	\leq 19 annual	\leq 19 annual	\leq 19 annual		
		<u>avg.</u>	<u>avg.</u>	<u>avg.</u>	<u>avg.</u>	<u>avg.</u>		
) <i>(</i>							
(64) Fluorene	Micrograms/L	≤ 77 annual	≤ 77 annual	\leq 94 annual	<u>≤ 94 annual</u>	<u>≤ 94 annual</u>		
((5) (20) Fi) (*11) ~~	<u>avg.</u>	<u>avg.</u>	<u>avg.</u>	avg.	avg.		. 40.0
(65) (32) Fluorides	Milligrams/L	≤ 1.5	≤ 10.0	≤ 1.5	≤ 10.0	≤ 5.0	≤ 10.0	≤ 10.0

Criteria for Surface Water Quality Classifications								
		~	-	-	Class III and C	lass III-Limited		
		Clas	ss I		(see N	lote 4)		
					(*****			
Parameter	Units	Class I	Class I-	Class II	Predominantly Fresh Waters	Predominantly Marine Waters	Class IV	Class V
			Treated					
(33) "Free Froms"								
(see Minimum								
Criteria in Rule 62-								
302.500, F.A.C.)								
(34) "General								
Criteria" (see Rule 62-								
302.500, F.A.C. and								
individual criteria)								
(35)(a) Halomethanes	Micrograms/L	<u>≤ 80</u>						
(Total								
trihalomethanes) (total								
of bromoform,								
chlorodibromo-								
methane,								
dichlorobromome-								
thane, and								
chloroform).								
Individual								
halomethanes shall								
not exceed (b)1. to								
(b)5. below.								
(35)(b)1	Micrograms/L	≤ 4.3 annual		< 360	< 360 annual	< 360 annual		
Halomethanes		ava		annual avo	ava	ava		
(individual):		uvg.		unnun uvg.	uvg.	uvg.		
Bromoform								
(35)(b)2	Micrograms/L	≤ 0.41 appual		< 3/ annual	< 34 annual	< 34 annual		
Halomethanes	Wherograms/ E	20.41 annuar			2 J- annuar	2 J+ unituar		
(individual):		avg.		avg.	avg.	avg.		
Chlorodibromo-								
methane								
(35)(b)3	Micrograms/L	< 5.67 annual		< 170.8	< 470.8 appual	< 470.8 appual		
Halomethanes	wherograms/E	≤ 5.07 annual		$\leq 4/0.0$	$\leq 4/0.0$ annual	≤ 470.0 annual		
(individual):		avg.		annuar avg.	avg.	avg.		
Chloroform								
(25)(b)/	Micrograms/I	< 5.67 approx		< 170.9	< 470.8 approx1	< 170.8 annual		
Halomethanes	wherograms/E	≤ 3.07 annual		$\leq 4/0.0$	≤ 470.0 annuar	≤ 470.0 annuar		
(individual)		avg.		amuai avg.	uvg.	avg.		
Chloromethane								
(methyl chloride)								
(inetify) enfortac) (35)(b)5	Micrograms/I	< 0.27 appual		< 22 appual	< 22 annual	< 22 annual		
Halomethanes	wherograms/L	≤ 0.27 annual		\geq 22 annuar	≥ 22 annuar	≥ 22 annuar		
(individual):		avg.		avg.	avg.	avg.		
Dichlorobromo-								
methane								
(66) Guthion	Micrograme/I	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01		
(67) Hentachlor	Micrograms/L	<u>~ 0.001</u>	<u>~ 0.001</u>	<u>~ 0.001</u>	<u>~ 0.001</u>	<u>~ 0.001</u>		
(07) replacifior	iviterografils/L	≥ 0.000025	≥ 0.000023	≥ 0.000023	≥ 0.000023	≥ 0.000023		
		$\frac{\text{annual avg.;}}{< 0.0029}$	annuar avg.;	annuar avg.;	annuar avg.;	annuar avg.;		
		$\leq 0.0038 \text{ max}$	<u>≤ 0.0038</u>	≤ 0.0036	$\leq 0.0038 \text{ max}$	$\leq 0.0036 \text{ max}$		
(CO) II			max	max				
(68) Heptachlor	Micrograms/L	<u>≤ 0.000098</u>	≤ 0.000098	<u>≤ 0.000099</u>	<u>≤ 0.000099</u>	<u>≤ 0.000099</u>		
Epoxide		<u>annual avg.</u>	<u>annual avg.</u>	<u>annual avg.</u>	<u>annual avg.</u>	<u>annual avg.</u>		
<u>(69)</u> (36)	Micrograms/L	$\leq 0.018 \ 0.45$	<u>≤0.018</u>	≤ <u>0.018</u> 49.7	$\leq 0.018 \ 49.7$	$\leq 0.018 \ 49.7$		
Hexachlorobutadiene		annual avg.	<u>annual avg.</u>	annual avg.	annual avg.	annual avg.		

		Criteria	for Surface W	Vater Quality (Classifications			
			a I		Class III and C	lass III-Limited		
		Clas	55.1		(see N	lote 4)		
					Prodominantly	Prodominantly		
Parameter	Units	Class I	Class I-	Class II	Fresh Waters	Marine Waters	Class IV	Class V
T ultumotor	emis	Class I	Treated	clubb II	Tresh waters	Marine Waters	Chass IV	Chass (
(70) Hexachloro-	Micrograms/L	<u>≤ 4.7 annual</u>	\leq 4.7 annual	<u>≤ 5 annual</u>	\leq 5 annual avg.	\leq 5 annual avg.		
cyclopentadiene		<u>avg.</u>	<u>avg.</u>	<u>avg.</u>				
(71) Hexachloro-	Micrograms/L	\leq 0.24 annual	<u>≤ 0.24</u>	<u>≤ 0.27</u>	<u>≤ 0.27 annual</u>	<u>≤ 0.27 annual</u>		
ethane		<u>avg.</u>	<u>annual avg.</u>	annual avg.	<u>avg.</u>	<u>avg.</u>		
(37) Imbalance (see								
Nutrients)								
(72) Indeno(1,2,3-cd)-	Micrograms/L	<u>≤ 0.012000</u>	<u>≤0.012000</u>	≤ 0.014000	<u>≤0.014000</u>	<u>≤ 0.014000</u>		
pyrene		<u>annual avg.</u>	<u>annual avg.</u>	annual avg.	<u>annual avg.</u>	<u>annual avg.</u>		
(73) Isophorone	Micrograms/L	<u>≤ 76 annual</u>	\leq 76 annual	<u>≤ 3600</u>	<u>≤ 3600 annual</u>	<u>≤ 3600 annual</u>		
		<u>avg.</u>	avg.	<u>annual avg.</u>	<u>avg.</u>	<u>avg.</u>		
(74) (38) Iron	Milligrams/L	≤ 1.0	<u>≤ 1.0</u>	≤ 0.3	≤ 1.0	≤ 0.3	≤ 1.0	
(75) (39) Lead	Micrograms/L	Pb ≤	Pb ≤	≤ 8.5	Pb≤	≤ 8.5	≤ 50	≤ 50
	See Notes (1)	(1.273[lnH]-	(1.273[lnH]-		(1.273 [lnH] -			
	and (3).	4.705).	4.705)		4.705) <u>.</u>			
(76) Lindane (g.	Micrograms/I	, Class I Waters	Class L-Treat	ed Waters Cl	, ass II Waters Cla	es III. Class III-		
(70) Lindane (g-	wherograms/L	Limited Water	<u>, Class I-Heat</u> s: See Minimi	un Criteria in	naragraph 62-30	2500(1)(d)		
<u>benzene nexaemoriaej</u>		EAC.	s. Dee Willing		paragraph 02 502	<u>2.500(1)(u),</u>		
(77) Malathion	Micrograms/L	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1		
(78) (40) Manganese	Milligrams/I	<u> </u>	<u> </u>	<u>- 0.1</u>	<u> </u>	<u>0.1</u>		
(70) (41) Marganese	Micrograms/L	< 0.012	< 0.012	≤ 0.025	< 0.012	< 0.025	< 0.2	< 0.2
(79) (41) Weiculy	Miana ana ang M	≤ 0.012	≤ 0.012	≤ 0.023	≤ 0.012	≤ 0.023	≤ 0.2	≤ 0.2
(80) Methoxychior	Micrograms/L	<u>≤ 0.023</u>	<u>≤ 0.023</u>	≤ 0.023	≤ 0.023 annual	≤ 0.023 annual		
(91) Mathul Daomida	Miana anama/I	$\underline{annuar} avg.$	<u>annuar avg.</u>	<u>annuar avg.</u>	<u>avg.</u>	<u>avg.</u>		
(81) Meuryr Bronnide	Micrograms/L	$\leq 120 \text{ annual}$	≤ 120	≤ 10000	$\leq 10000 \text{ annual}$	$\leq 10000 \text{ annual}$		
(92) Mathul Chlarida	Miana anama/I	<u>avg.</u>	<u>annuar avg.</u>	<u>annuar avg.</u>	<u>avg.</u>	<u>avg.</u>		
(82) Weutyr Chioride	Micrograms/L	$\leq 5.67 \text{ annual}$	$\leq 5.6/$	$\leq 4/0.8$	$\leq 4/0.8 \text{ annual}$	$\leq 4/0.8 \text{ annual}$		
(92) Mathulana	Miana anama/I	avg.	annuar avg.	annuar avg.	<u>avg.</u>	<u>avg.</u>		
(65) Wellylene Chlorida (Diabloro	Micrograms/L	\leq 36 annual	\leq 36 annual	<u>≤ 2300</u>	$\leq 2300 \text{ annual}$	$\leq 2300 \text{ annual}$		
methane)		<u>avg.</u>	<u>avg.</u>	<u>annual avg.</u>	<u>avg.</u>	<u>avg.</u>		
(42) Minimum								
Criteria (see Section								
62-302 500 F A C)								
(84) Mirex	Micrograms/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001		
(43) Mixing Zones		<u>= 0.001</u>	<u>_ 0.001</u>			<u>= 0.001</u>		
(See Section 62-4-244								
(500 500 101 02 112 11, F.A.C.)								
(85) (44) Nickel	Micrograms/L	Ni <	Ni <	< 8.3	Ni <	< 8.3	< 100	
<u>,</u>	See Notes (1)	e ^(0.846[lnH]+0.0584)	e ^{(0.846[lnH]+0.058}	_ 0.0	e ^(0.846[lnH]+0.0584)	_ 0.0	_ 100	
	and (3).		<u>4)</u>		-			
(86) (45) Nitrate	Milligrams/L	< 10 or that						
· · · · ·	as N	concentration						
		that exceeds						
		the nutrient						
		criteria						
(87) Nitrobenzene	Micrograms/L	<u>≤ 12 annual</u>	<u>≤ 12 annua</u> l	<u>≤ 570</u>	<u>≤ 570 annua</u> l	<u>≤ 570 annual</u>		
		avg.	avg.	annual avg.	avg.	avg.		
(88) (46) Nonylphenol	Micrograms/L	≤ 6.6	<u>≤ 6.</u> 6	≤ 1.7	≤ 6.6	≤ 1.7		
(4-nonylphenol)								
(89) (47) Nuisance		Substances in a	concentrations	which result	in the dominance	of nuisance speci	ies: none shall	be present.
Species								

		Criteria	for Surface W	Ater Quality C	Classifications			
		Class	- T		Class III and C	lass III-Limited		
		Clas	55 1		(see N	lote 4)		
				Ť				
Parameter	Unite	Class I	Class I-	Class II	Freedominantly	Marina Watara	Class IV	Class V
T drameter	Onits	Class I	Treated	Class II	Flesh waters	waters	C1035 1 V	Class V
(90) (48) (a) Nutrients		The discharge	of nutrients sh	all continue to	be limited as ne	eded to prevent v	violations of o	ther standards
		contained in th	is chapter. Ma	an-induced nu	trient enrichment	(total nitrogen o	r total phosph	orus) shall be
		considered deg	gradation in re	elation to the	provisions of Ru	ales 62-302.300,	62-302.700, a	and 62-4.242,
		F.A.C.						
(90) (48) (b) Nutrients		In no case shall	ll nutrient con	centrations of	a body of water	be altered so as		
		to cause an im	balance in nati	ural population	ns of aquatic flora	a or fauna.		
(91) (a) Odor (Class II	Threshold odor	Shall not excee	ed 24 at 60 deg	grees C as a da	ily average.			
Waters)	<u>number</u>							
(91) (b) Odor (Class V	Threshold odor	Odor producin	g substances:	only in such a	mounts as will r	tot unreasonably		
<u>Waters)</u>	number	interfere with	use of the	water for t	he designated p	purpose of this		
(10) 01 (1	T 1 1 1 1 1	classification.		G1 11	[[0.1
(49) Odor (also see	Threshold odor			Shall not				Odor
Critoria Phonolia	number			60 dogroos				substances
Compounds etc.)				C as a daily				only in such
compounds, etc.)				e us a dany				amounts as
				average.				will not
								unreasonabl
								v interfere
								with use of
								the water for
								the
								designated
								purpose of
								this
								elassificatio
								n.
(92)(50)(a) Oils and	Milligrams/L	Dissolved or en	nulsified oils	and greases sh	all not exceed 5.	0		Dissolved or
Greases								emulsified
								oils and
								greases shall
								not exceed
(02)(50) (b) Oils and		No undissolvo	loil or visibl	a ail dafinad a	a iridasaanaa sh	all he present so	as to course to	10.0
(92) (30) (0) Olls and Greases		otherwise inter	fere with the l	e on denned a	of waters	an be present so	as to cause tas	ste or odor, or
(50) Pasticidas and		otherwise inter			or waters.			
Herbicides								
(51)(a) 2.4.5-TP	Micrograms/L	< 10						
(51)(b) 2-4-D	Micrograms/L	< 100						
(51)(c) Aldrin	Micrograms/L	< 00013		< 0.00014	< 0.00014	< 0.00014		
	initerogramo E	annual ava ·		<u>annual avo</u> ·	$\frac{2}{2} \frac{0.00014}{200}$	$\frac{2}{200014}$		
		<u>3 () max</u>		<u>1 3 max</u>	<u>3 () max</u>	<u>1 3 may</u>		
(51)(d) Beta-	Micrograms/L	< 0.014		< 0.046	< 0.046 appual	< 0.046 appual		
hexachlorocyclohexan		annual ava		annual ava	- 0.0 40 almudi	- 0.0 40 annudi		
e (b-BHC)		amuai avg .		amuai avg.	uvg.	uvg.		
(51)(e) Carbaryl	Micrgrams/L	<u>≤ 2.1</u>			<u>≤2.1</u>			
(51)(f) Chlordane	Micrograms/L	<u>≤0.00058</u>		<u>≤ 0.00059</u>	<u>≤ 0.00059</u>	<u>≤ 0.00059</u>		
		annual avg.:		annual avg.:	annual avg.:	annual avg.:		
		0.0043 max		0.004 max	0.0043 max	0.004 max		
(51)(g) Chlorpyrifos	Micrograms/L	<u>≤0.041</u>		<u>≤ 0.0056</u>	<u>≤ 0.041</u>	<u>≤ 0.0056</u>		
(51)(h) DDT	Micrograms/L	<u>≤ 0.00059</u>		<u>≤ 0.00059</u>	<u>≤ 0.00059</u>	<u>≤ 0.00059</u>		
		annual avg.:		annual avg.:	annual avg.:	annual avg.:		
		0.001 max		0.001 max	0.001 max	0.001 max		

		Criteria	for Surface W	Ater Quality (Classifications			
		01	- T	,	Class III and C	lass III-Limited		
		Clas	SS 1		(see N	Note 4)		
Parameter	Units	Class I	<u>Class I-</u> <u>Treated</u>	Class II	Predominantly Fresh Waters	Predominantly Marine Waters	Class IV	Class V
(51)(i) Demeton	Micrograms/L	<u>≤0.1</u>		<u>≤0.1</u>	<u>≤ 0.1</u>	<u>≤ 0.1</u>		
(51)(j) Diazinon	Micrograms/L	<u>≤ 0.17</u>		<u>≤0.82</u>	<u>≤ 0.17</u>	<u>≤0.82</u>		
(51)(k) Dieldrin	Micrograms/L	<u>≤0.00014</u>		<u>≤0.00014</u>	<u>≤0.00014</u>	<u>≤0.00014</u>		
		annual avg.;		annual avg.;	annual avg.;	annual avg.;		
		0.0019 max		0.0019 max	0.0019 max	0.0019 max		
(51)(l) Endosulfan	Micrograms/L	<u>≤ 0.056</u>		<u>≤ 0.0087</u>	<u>≤ 0.056</u>	<u>≤ 0.0087</u>		
(51)(m) Endrin	Micrograms/L	≤ 0.0023		<u>≤0.0023</u>	<u>≤ 0.0023</u>	≤ 0.0023		
(51)(n) Guthion	Micrograms/L	<u>≤ 0.01</u>		<u>≤ 0.01</u>	<u>≤ 0.01</u>	<u>≤-0.01</u>		
(51)(o) Heptachlor	Micrograms/L	<u>≤ 0.00021</u>		≤ 0.00021	<u>≤0.00021</u>	<u>≤0.00021</u>		
		annual avg.;		annual avg.;	annual avg.;	annual avg.;		
		0.0038 max		0.0036 max	0.0038 max	0.0036 max		
(51)(p) Lindane (g-	Micrograms/L	See Minimum		See	See Minimum	See Minimum		
benzene hexachloride)		criteria in		Minimum	criteria in	criteria in		
		paragraph 62-		criteria in	paragraph 62-	paragraph 62-		
		302.500(1)(d)		paragraph	302.500(1)(d),	302.500(1)(d),		
		, F.A.C.		62-	F.A.C.	F.A.C.		
				302.500(1)(
				d), F.A.C.				
(51)(q) Malathion	Micrograms/L	<u>≤ 0.1</u>		<u>≤0.1</u>	<u>≤ 0.1</u>	<u>≤0.1</u>		
(51)(r) Methoxychlor	Micrograms/L	<u>≤ 0.03</u>		<u>≤ 0.03</u>	<u>≤ 0.03</u>	<u>≤ 0.03</u>		
(51)(s) Mirex	Micrograms/L	<u>≤ 0.001</u>		<u>≤0.001</u>	<u>≤ 0.001</u>	<u>≤ 0.001</u>		
(93) (51)(t) Parathion	Micrograms/L	≤ 0.04	<u>≤ 0.04</u>	≤ 0.04	≤ 0.04	≤ 0.04		
(51)(u) Toxaphene	Micrograms/L	<u>≤ 0.0002</u>		<u>≤ 0.0002</u>	<u>≤ 0.0002</u>	<u>≤ 0.0002</u>		
(94) Pentachloro-	Micrograms/L	$\leq 0.14 \text{ annual}$	<u>≤0.14</u>	<u>≤ 0.15</u>	<u>≤ 0.15 annual</u>	<u>≤ 0.15 annual</u>		
<u>benzene</u>		<u>avg.</u>	<u>annual avg.</u>	annual avg.	<u>avg.</u>	<u>avg.</u>		
(95) Pentachloro-	Micrograms/L	<u>≤0.067</u>	≤ 0.067	<u>≤0.11</u>	<u>≤ 0.11 annual</u>	$\leq 0.11 \text{ annual}$		
<u>phenol</u>		<u>annual avg.; ≤</u>	<u>annual avg;</u>	<u>annual avg.</u>	$\underline{\text{avg}}; \leq 30 \text{ max}$	<u>avg.</u>		
		<u>30 max</u>	<u>≤ 30 max</u>					
<u>(96)</u> (52) (a) pH	Standard Units	Shall not vary	more than one	unit above or	below natural ba	ckground provid	ed that the pH	is not
(Class I <u>, Class I-</u>		lowered to less	than 6 units of	or raised above	e 8.5 units. If nati	aral background i	s less than 6 u	nits, the pH
Treated, and Class IV		shall not vary b	below natural	background of	vary more than	one unit above na	atural backgrou	und. If
waters)		natural backgro	ound is higher	than 8.5 units	, the pH shall no	t vary above natu	ral background	d or vary
(06)(52)(b) mU	Stondard Units	Shall not yorry	unit below ba	ckground.	halow natural h	alternation of accord	stal matana ag	lafinad in
(90) (32) (0) pr	Standard Units	portograph 62.2	1000000000000000000000000000000000000	$E \wedge C$ or me	below natural ba	ckground of coas	stal waters as t	alkground
(Class II waters)		of open waters as defined in paragraph 62-302 520(3)(f). E 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 nat	ural backgrou	nd or varv mo	re than one unit	above natural bac	kground for co	pastal waters
		or more than ty	vo-tenths unit	above natural	background for	open waters. If na	atural backgrou	und is higher
		than 8.5 units,	the pH shall n	ot vary above	natural backgrou	ind or vary more	than one unit b	below natural
		background of	coastal waters	s or more than	two-tenths unit l	below natural bac	kground of op	en waters.

		Criteria	for Surface W	Vater Quality C	lassifications					
		Class	T		Class III and C	lass III-Limited				
		Clas	55 1		(see N	lote 4)				
Dogomotor	Unito		Class I-	Class II	Predominantly	Predominantly	Class IV	Class V		
Parameter	Units	Class I	Treated	Class II	Fresh waters	Marine waters	Class IV	Class v		
(96) (52) (c) pH	Standard Units	Shall not vary	more than one	unit above or	below natural ba	ckground of pred	lominantly fre	sh waters		
(Class III Waters)		and coastal wa	ters as defined	l in paragraph	62-302.520(3)(b)	, F.A.C. or more	than two-tent	hs unit above		
		or below natur	al background	of open water	s as defined in pa	aragraph 62-302.	520(3)(f), F.A	.C., provided		
		that the pH is r	not lowered to	less than 6 un	its in predominar	tly fresh waters,	or less than 6.	5 units in		
		predominantly	marine waters	s, or raised abo	ove 8.5 units. If n	atural backgroun	d is less than 6	5 units, in		
		predominantly	fresh waters of	or 6.5 units in j	predominantly ma	arine waters, the	pH shall not v	ary below		
		natural backgro	ound or vary n	nore than one	unit above natura	l background of	predominantly	fresh waters		
		and coastal wa	ters, or more t	han two-tenth	s unit above natu	ral background o	f open waters.	If natural		
		background is	higher than 8.	5 units, the pH	l shall not vary al	oove natural back	ground or var	y more than		
		one unit below	natural backg	round of pred	ominantly fresh v	vaters and coasta	l waters, or me	ore than two-		
		tenths unit belo	ow natural bac	kground of op	en waters.					
(<u>96)</u> (52) (d) pH	Standard Units	Not lower than	5.0 nor greate	er than 9.5 exc	ept certain swam	p waters which r	nay be as low	as 4.5.		
(Class V Waters)										
(97) Phenol	Milligrams/L	<u>≤0.3</u>	<u>≤ 0.3</u>	<u>≤ 0.3</u>	<u>≤ 0.3</u>	<u>≤ 0.3</u>	<u>≤ 0.3</u>	<u>≤ 0.3</u>		
(98) (53) (a) Phenolic		Phenolic comp	ounds other th	an those prod	uced by the natur	al decay of plant	material, liste	d or unlisted,		
Compounds: Total		shall not taint t	he flesh of edi	ible fish or she	llfish or produce	objectionable tas	ste or odor in a	a drinking		
		water supply.								
(53) (b) Total	Micrograms/L	1. The total of	all chlorinated	l phenols, and	chlorinated cresc	ls, except as set	forth in (c)1.	1. The total		
Chlorinated Phenols	_	to (c)4. below,	shall not exce	ed 1.0 unless	nigher values are	shown not to be	chronically	of the		
and Chlorinated		toxic. Such hig	ther values sha	all be approved	l in writing by th	e Secretary.		following		
Cresols		2. The compou	. The compounds listed in (c)1. to (c)6. below shall not exceed the limits specified for Phenolic							
		each compoun	the compounds inter in (c)1. to (c)0. below shall not exceed the initial specified for compounds							
			shall not							
								exceed 50:		
								a)		
								Chlorinated		
								phenols;		
								b)		
								Chlorinated		
								cresols; and		
								e) 2,4-		
								dinitropheno		
								l.		
(53)(c) 1. Phenolic	Micrograms/L	<u>≤ 120</u>		< 400	< 400	< 400	< 400			
Compound: 2-				See Note	See Note (2).	See Note (2).	See Note			
chlorophenol				(2).			(2).			
(53)(c) 2. Phenolic	Micrograms/L	< 93		< 790	< 790	< 790	< 790			
Compound: 2,4-		See Note (2).		See Note	See Note (2).	See Note (2).	See Note			
dichlorophenol				(2).			(2).			
(53)(c) 3. Phenolic	Micrograms/L	<u>≤ 30 max;</u>		<u>≤ 7.9</u>	<u>≤ 30 max;</u>	<u>≤7.9</u>	<u>≤ 30</u>			
Compound:		≤ 0.28 annual			≤ 8.2 annual					
Pentachlorophenol		avg;			avg;					
		£			_{<-е} (1.005[pH]-					
		e(1.005[pH]-			<u>5-29)</u>					
		5 29)			5.27)					
(52)(a) A Dhanalia	Micrograms/I	< 2.1 annual		< 6.5 appual	< 6 5 annual	< 6.5 annual	< 6.5 annual			
Compound: 2.4.6	wherograms/E	$\simeq 2.1$ annual		≥ 0.3 annual	<u>∼ o annual</u>	<u>∼ o annual</u>	≥ 0.3 annual			
trichlorophenol		avg.		avg.	avg.	uvg.	avg.			
(53)(c) 5 Phonolic	Milligrams/I	< 0.0007		< 14.00	< 14.20	< 14.20	< 14.00			
Compound: 2.4	winngrams/E	5000000000000000000000000000000000000		≤ 14.20 See Note	$\frac{5 \cdot 14.20}{5 \cdot 14.20}$	$\frac{5 \cdot 14.20}{2}$	≤ 14.20 See Note			
Compound. 2,4-		See Note (2).		O	$\frac{\partial cc}{\partial t}$	see note (2).	O			
$(52)(a) \in \mathbb{D}^{1}$	Millions /I	< 0.2		(2).	< 0.2	< 0.2	(2).	< 0.2		
Compound: Di1	winingrams/L	<u>≤ 0.3</u>		<u>≤ 0.5</u>	<u>≤ 0.3</u>	<u>≤ 0.3</u>	<u>≤-0.5</u>	<u>≤ 0.3</u>		
Compound: Phenoi		1								

Criteria for Surface Water Quality Classifications									
					Class III and Class III-Limited				
		Clas	58.1		(see Note 4)				
				I	Due de se in en the	Due de mineration			
Daramatar	Unite	Class I	Class I-	Class II	Freedominantity	Magina Watara	Class IV	Class V	
Faranneter	Units	Class I	Treated	Class II	Fresh waters	Marine waters	Class IV	Class v	
(99) (54) Phosphorus	Micrograms/L			≤ 0.1		≤ 0.1			
(Elemental)									
(100) (55) Phthalate	Micrograms/L	<u><</u> 3.0	<u>≤ 3.0</u>		<u>≤</u> 3.0				
Esters									
(101) (56)	Micrograms/L	≤ <u>0.000098</u>	≤ 0.000098	≤ <u>0.000098</u>	≤ <u>0.000098</u>	≤ <u>0.000098</u>			
Polychlorinated		0.000044	annual avg.;	0.000045	0.000045	0.000045			
Biphenyls (PCBs)		annual avg.:≤	$\leq 0.014 \text{ max}$	annual avg.;	annual avg.;	annual avg.;			
		0.014 max		$\leq 0.03 \text{ max}$	$\leq 0.014 \text{ max}$	≤ 0.03 max			
(102) p.p'-Dichloro-	Micrograms/L	< 0.00015	< 0.00015	< 0.00015	< 0.00015	< 0.00015			
diphenyltrichloro-	<u>interograms, E</u>	annual avg :	annual avg ·	annual avg :	<u>- 0.00015</u>	<u>- 0.00015</u>			
ethane (DDT)		$\leq 0.001 \text{ max}$	$\leq 0.001 \text{ max}$	$\leq 0.001 \text{ max}$	$\leq 0.001 \text{ max}$	$\leq 0.001 \text{ max}$			
$\frac{\text{currance}(DD1)}{(57)(2) \text{ D}(1)}$	М . (Т	$\leq 0.001 \text{ max}$	$\leq 0.001 \text{ max}$	$\leq 0.001 \text{ max}$	$\leq 0.001 \text{ max}$	$\leq 0.001 \text{ max}$			
(57)(a) Polycyclic	Micrograms/L	<u>≤ 0.0028</u>		<u>≤ 0.031</u>	≤ 0.031 annual	≤ 0.031 annual			
Aromatic		annual avg.		annual avg.	avg.	avg.			
Hydrocarbons									
(PAHs). Total of:									
Acenaphthylene;									
Benzo(a)anthracene;									
Benzo(a)pyrene;									
Benzo(b)fluoran-									
thene; Benzo-									
(ghi)perylene;									
Benzo(k)fluoranthene;									
Chrysene; Dibenzo-									
(a,h)anthracene;									
Indeno(1,2,3-									
cd)pyrene; and									
Phenanthrene									
(57)(b)1. (Individual	Milligrams/L	< 1.2		< 2.7	< 2.7	< 2.7			
PAHs): Acenaphthene	Ū.	See Note (2).		See Note	See Note (2).	See Note (2).			
· 1				(2).					
(57)(b)2. (Individual	Milligrams/L	< 9.6		<110	<-110	<-110			
PAHs): Anthracene		See Note (2).		See Note	See Note (2).	See Note (2).			
				(2).					
(57)(b)3. (Individual	Milligrams/L	< 0.3		< 0.370	< 0.370	< 0.370		-	
PAHs): Fluoranthene	Ū.	See Note (2).		See Note	See Note (2).	See Note (2).			
				(2).					
(57)(b)4. (Individual	Milligrams/L	< 1.3		<14	< 14	<14		-	
PAHs): Fluorene	U U	See Note (2).		See Note	See Note (2).	See Note (2).			
,				(2).					
(103) (57)(b)5.	Micrograms/L	< 43 annual	< 43 annual	< 49 annual	< 49 annual	< 49 annual			
(Individual PAHs):	Milligrams/L	avg < 0.96	avo	avg < 11	avg < 11	avg < 11			
Pyrene	Transfer and T	See Note (2)	<u>avg.</u>	See Note	See Note (2)	See Note (2)			
1 ,10110		5 00 11010 (2).		(2)	5 ce 110te (2).	5 cc Hole (2).			
(104) (58) (a)	Picocuries/I	< 5	< 5	< 5	< 5	< 5	< 5	< 5	
Radioactive	1.100001105/12		<u>= 5</u>		_ J	J	_ J	2.5	
substances (Combined									
radium 226 and 228)									
$1 \mod 120 \mod 220$	1	1	1	1		1	1		

Criteria for Surface Water Quality Classifications								
		Clas	ss I	·	Class III and Class III-Limited (see Note 4)			
Parameter	Units	Class I	<u>Class I-</u> Treated	Class II	Predominantly Fresh Waters	Predominantly Marine Waters	Class IV	Class V
(<u>104)</u> (58) (b) Radioactive substances (Gross	Picocuries/L	≤ 15	<u>≤15</u>	≤ 15	≤ 15	≤ 15	≤ 15	≤ 15
alpha particle activity								
but excluding radon								
and uranium)								
(105) (59) Selenium	Micrograms/L	< 5.0	< 5.0	< 71	< 5.0	< 71		
(<u>106)</u> (60) Silver	Micrograms/L See Note (3).	≤ 0.07	<u>≤ 0.07</u>	See Minimum criteria in paragraph 62-302.500	≤ 0.07	See Minimum criteria in paragraph 62- 302.500(1)(c), F.A.C.		
				(1)(c), F.A.C.				
(107) (61) Specific Conductance (see Conductance, Specific above)								
(108) (62) Substances								
in concentrations which injure, are chronically toxic to, or produce adverse		None shall be j	present.					
physiological or behavioral response in humans, plants, or								
animals								
(63) 1,1,2,2-	Micrograms/L	≤ 0.17 annual		<u>≤ 10.8</u>	≤ 10.8 annual	≤ 10.8 annual		
Tetrachloroethane		avg.		annual avg.	avg.	avg.		
(109) (64)	Micrograms/L	$\leq \underline{23} \underline{0.8}$	$\leq 23 \text{ annual}$	≤ <u>66</u> 8.85	≤ <u>66</u> 8.85	≤ <u>66</u> 8.85		
Derahloroethylene		annual avg. ,	<u>avg.</u>	annual avg.	annual avg.	annual avg.		
1 1 2 2-tetrachloro-		$\leq 3.0 \text{ max}$						
ethene)								
(110) (65) Thallium	Micrograms/L	≤ < 1.7	≤ 1.7	≤ < 6.3	≤ < 6.3	≤ < 6.3		
(111) Toluene	Micrograms/L	\leq 56 annual	\leq 56 annual		≤ 610 annual	≤ 610 annual		
		avg.	avg.	annual avg.	avg.	avg.		
(66) Thermal Criteria								
(See Rule 62-302.520)	<u> </u>				*** ***			
(112) (67) Total	Class I Waters,	Class I-Treated	Waters, Class	II Waters, Cla	iss III Waters, Cl	ass III-Limited V	Vaters: The pl	Percent of the
(112) Transhana	saturation value	for gases at the	existing atmo	spheric and hy	drostatic pressur	$es shall be \leq 110$	% of saturatio	n value <u>.</u>
(113) Toxapnene	Micrograms/L	≤ 0.0002	<u>≤ 0.0002</u>	<u>≤ 0.0002</u>	≤ 0.0002	<u>≤ 0.0002</u>		
(114) ($\overline{08}$) Transparency	Depth of the	The annual ave	tural backgrou	all not be redu	ced by more than	as shall be		
(Class I Waters, Class	point within	based on a min	imum of three	e samples, with	i each sample co	llected at least		
I-Treated Waters,	the water	three months a	part.	· · · · · · · · · · · · · · · · · · ·	F			
Class II Waters, Class	column for		-					
III, and Class III- Limited Waters)	photosynthetic activity							
(115) trans-1,2-	Micrograms/L	$\leq 120 \text{ annual}$	<u>≤120</u>	<u>≤ 3900</u>	\leq 3900 annual	<u>≤ 3900 annual</u>		
Dichloroethylene (DCE)		<u>avg.</u>	<u>annual avg.</u>	<u>annual avg.</u>	<u>avg.</u>	<u>avg.</u>		

Criteria for Surface Water Quality Classifications									
			T	-	Class III and Class III-Limited				
		Clas	58.1		(see Note 4)				
Deremator	Unita	Class I	Class I-	Class II	Predominantly	Predominantly	Class IV	Class V	
Parameter	Units	Class I	Treated	Class II	Fresh waters	Marine waters	Class IV	Class v	
<u>(116)</u> (69)	Micrograms/L	≤ <u>1.3</u> 2.7	\leq 1.3 annual	≤ <u>15</u> 80.7	≤ <u>15</u> 80.7	≤ <u>15</u> 80.7			
Trichloroethylene		annual avg. ,	avg.	annual avg.	annual avg.	annual avg.			
(Ttrichloroethene or		<u>≤ 3.0 max</u>							
<u>TCE</u>)									
(117) (70) Turbidity	Nephelometric	\leq 29 above nat	ural backgrou	nd conditions	•	•	•		
	Turbidity Units								
	(NTU)								
(118) Vinyl Chloride	Micrograms/L	<u>≤0.048</u>	<u>≤0.048</u>	\leq 3.0 annual	<u>≤ 3.0 annual</u>	<u>≤ 3.0 annual</u>			
		annual avg.	annual avg.	<u>avg.</u>	<u>avg.</u>	<u>avg.</u>			
(119) (71) Zinc	Micrograms/L	Zn≤	<u>Zn ≤</u>	≤ 86	Zn≤	≤ 86	≤ 1,000	≤ 1,000	
	See Notes (1)	$e^{(0.8473[lnH]+0.884)}$	e ^{(0.8473[lnH]+0.88}		e ^(0.8473[lnH]+0.884)				
	and (3).		<u>4)</u>						
(120) 1,1-Dichloro-	Micrograms/L	$\leq 300 \text{ annual}$	<u>≤ 300</u>	≤ 16000	≤ 16000 annual	≤ 16000 annual			
ethylene	-	avg.	annual avg.	annual avg.	avg.	avg.			
(121) 1,1,1-Trichloro-	Micrograms/L	≤ 12000	≤ 12000	≤ 190000	≤ 190000	≤ 190000			
ethane		annual avg.	annual avg.	annual avg.	annual avg.	annual avg.			
(122) 1.1.2-Trichloro-	Micrograms/L	< 1.2 annual	< 1.2 annual	< 20 annual	< 20 annual	< 20 annual			
ethane		avg.	avg.	avg.	avg.	avg.			
(123) 1.1.2.2-Tetra-	Micrograms/L	< 0.35 annual	< 0.35	< 5.9 annual	< 5.9 annual	< 5.9 annual			
chloroethane	<u>interograms, D</u>	avg	annual avo	avo	avg	avg			
(124) 1.2-Dichloro-	Micrograms/I	< 22 appual	≤ 22 annual	< 1200	< 1200 annual	≤ 1200 annual			
ethane	wherograms/L	<u>> 22 alliuai</u>		≤ 1200	$\leq 1200 \operatorname{amual}$	<u>sva</u>			
(125) 1.2 Diablara	Microgroups/I	$\frac{avg.}{20 annual}$	$\frac{avg.}{20 \text{ annual}}$	$\frac{\operatorname{annual}\operatorname{avg.}}{4}$	$\frac{avg.}{62 \text{ annual}}$	$\frac{avg}{c}$			
(123) 1,2-Dicilioio-	Micrograms/L	$\leq 2.0 \text{ annual}$	$\leq 2.0 \text{ annual}$	\leq 03 annual	\leq 03 annual	\leq 03 annual			
$\underline{propane}$	M:/I	<u>avg.</u>	<u>avg.</u>	<u>avg.</u>	<u>avg.</u>	<u>avg.</u>			
(120) 1,2-Dipnenyl-	Micrograms/L	$\leq 0.0/7$	≤ 0.077	≤ 0.48	$\leq 0.48 \text{ annual}$	$\leq 0.48 \text{ annual}$			
(107) 1 0 Di 11		annual avg.	annual avg.	annual avg.	<u>avg.</u>	<u>avg.</u>			
(127) 1,3-Dichloro-	Micrograms/L	$\leq 0.59 \text{ annual}$	<u>≤ 0.59</u>	$\leq 23 \text{ annual}$	$\leq 23 \text{ annual}$	$\leq 23 \text{ annual}$			
propene (120) 1 2 Di 11		<u>avg.</u>	<u>annual avg.</u>	avg.	<u>avg.</u>	<u>avg.</u>			
(128) 1,2-Dichloro-	Micrograms/L	$\leq 1400 \text{ annual}$	<u>≤ 1400</u>	<u>≤ 3900</u>	\leq 3900 annual	<u>≤ 3900 annual</u>			
<u>benzene</u>		<u>avg.</u>	annual avg.	annual avg.	<u>avg.</u>	<u>avg.</u>			
(129) 1,3-Dichloro-	Micrograms/L	<u>≤ 8.3 annual</u>	$\leq 8.3 \text{ annual}$	$\leq 18 \text{ annual}$	<u>≤ 18 annual</u>	<u>≤ 18 annual</u>			
benzene		<u>avg.</u>	<u>avg.</u>	<u>avg.</u>	<u>avg.</u>	<u>avg.</u>			
(130) 1,4-Dichloro-	Micrograms/L	\leq 340 annual	<u>≤ 340</u>	<u>≤ 1100</u>	$\leq 1100 \text{ annual}$	$\leq 1100 \text{ annual}$			
benzene		<u>avg.</u>	<u>annual avg.</u>	<u>annual avg.</u>	<u>avg.</u>	<u>avg.</u>			
(131) 1,2,4-Trichloro-	Micrograms/L	$\leq 0.14 \text{ annual}$	<u>≤0.14</u>	<u>≤ 0.15</u>	$\leq 0.15 \text{ annual}$	$\leq 0.15 \text{ annual}$			
<u>benzene</u>		<u>avg.</u>	annual avg.	<u>annual avg.</u>	<u>avg.</u>	<u>avg.</u>			
(132) 2-Chloro-	Micrograms/L	<u>≤ 960 annual</u>	<u>≤960</u>	<u>≤ 1400</u>	\leq 1400 annual	\leq 1400 annual			
naphthalene		<u>avg.</u>	<u>annual avg.</u>	annual avg.	<u>avg.</u>	<u>avg.</u>			
(133) 2-Chlorophenol	Micrograms/L	<u>≤ 30 annual</u>	$\leq 30 \text{ annual}$	<u>≤ 860</u>	<u>≤ 860 annual</u>	<u>≤ 860 annual</u>			
		<u>avg.</u>	avg.	annual avg.	<u>avg.</u>	avg.			
(134) 2,4-Dichloro-	Micrograms/L	$\leq 16 \text{ annual}$	$\leq 16 \text{ annual}$	≤ 65 annual	≤ 65 annual	≤ 65 annual			
phenol		<u>avg.</u>	<u>avg.</u>	<u>avg.</u>	<u>avg.</u>	<u>avg.</u>			
(135) 2,4-Dimethyl-	Micrograms/L	$\leq 120 \text{ annual}$	≤ 120	≤ 2800	$\leq 2800 \text{ annual}$	\leq 2800 annual			
phenol		<u>avg.</u>	annual avg.	annual avg.	<u>avg.</u>	<u>avg.</u>			
(136) 2,4-Dinitro-	Micrograms/L	$\leq 12 \text{ annual}$	≤ 12 annual	≤ 330	≤ 330 annual	\leq 330 annual			
phenol		avg.	avg.	annual avg.	avg.	avg.			
(137) 2,4-Dinitro-	Micrograms/L	≤ 0.11 annual	≤ 0.11	≤ 3.5 annual	≤ 3.5 annual	≤ 3.5 annual			
toluene		avg.	annual avg	avg.	avg.	avg.			
(138) 2,4.6-Trichloro-	Micrograms/L	< 3.3 annual	< 3.3 annual	< 6.6 annual	< 6.6 annual	< 6.6 annual			
phenol		avg	avg	avg	ave	avo			
*		<u></u>	<u></u>	<u></u>	<u></u>	<u></u>			

Criteria for Surface Water Quality Classifications									
		Class I			Class III and Class III-Limited (see Note 4)				
Parameter	Units	Class I	<u>Class I-</u> <u>Treated</u>	Class II	Predominantly Fresh Waters	Predominantly Marine Waters	Class IV	Class V	
(139) 2-Methyl-4,6-	Micrograms/L	<u>≤ 1.8 annual</u>	\leq 1.8 annual	\leq 29 annual	<u>≤ 29 annual</u>	<u>≤ 29 annual</u>			
Dinitrophenol		<u>avg.</u>	<u>avg.</u>	<u>avg.</u>	<u>avg.</u>	<u>avg.</u>			
(140) 3,3'-Dichloro-	Micrograms/L	≤ 0.11 annual	<u>≤ 0.11</u>	<u>≤ 0.34</u>	<u>≤ 0.34 annual</u>	<u>≤ 0.34 annual</u>			
<u>benzidine</u>		<u>avg.</u>	<u>annual avg.</u>	<u>annual avg.</u>	<u>avg.</u>	<u>avg.</u>			
(141) 3-Methyl-4-	Micrograms/L	\leq 540 annual	<u>≤ 540</u>	<u>≤ 2700</u>	<u>≤ 2700 annual</u>	<u>≤ 2700 annual</u>			
Chlorophenol		<u>avg.</u>	<u>annual avg.</u>	<u>annual avg.</u>	<u>avg.</u>	<u>avg.</u>			

Notes: (1) "In H" means the natural logarithm of total hardness expressed as milligrams/L of $CaCO_3$. For metals criteria involving equations with hardness, the hardness shall be set at 25 mg/L if actual hardness is < 25 mg/L and set at 400 mg/L if actual hardness is > 400 mg/L. (2) This criterion is protective of human health not of aquatic life. (3) For application of dissolved metals criteria see paragraph 62-302.500(2)(d), F.A.C. (4) Class III-Limited waters have at least one Site Specific Alternative Criterion as established under Rule 62-302.800, F.A.C.

Rulemaking Authority 403.061, 403.062, 403.087, 403.504, 403.704, 403.804 FS. Law Implemented 403.021(11), 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, 12-7-06, 8-5-10, 7-3-12, 8-1-13, 2-17-16.