TABLE 2
RECOMMENDED AND ADOPTED WATER QUALITY CRITERIA FOR TOXIC POLLUTANTS *

Chemical	EPA Recommended Criteria		FDEP Adopted Criteria	
	Fish Consumption Only (µg/L)	Fish + Water Consumption (µg/L)	Fish Consumption Only (µg/L)	Fish + Water Consumption (µg/L)
1,1,1-Trichloroethane 71556	200,000	10,000		
1,1,2,2-Tetrachloroethane 79345	3	0.2	10.8	0.17
1,1,2-Trichloroethane 79005	8.9	0.55	3.2	0.057
1,1-Dichloroethylene 75354	20,000	300		
1,2,4-Trichlorobenzene 120821	0.076	0.071		
1,2-Dichlorobenzene 95501	3,000	1,000		
1,2-Dichloroethane 107062	650	9.9		
1,2-Dichloropropane 78875	31	0.90		
1,2-Diphenylhydrazine 122667	0.2	0.03		
1,3-Dichlorobenzene 541731	10	7		
1,3-Dichloropropene 542756	12	0.27		
1,4-Dichlorobenzene 106467	900	300		
2,3,7,8-TCDD (Dioxin) 1746016	5.1E-9	5.0E-9		

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Chemical	EPA Recommended Criteria		FDEP Adopted Criteria	
	Fish Consumption Only (µg/L)	Fish + Water Consumption (µg/L)	Fish Consumption Only (µg/L)	Fish + Water Consumption (µg/L)
2,4,6-Trichlorophenol 88062	2.8	1.5	6.5	2.1
2,4-Dichlorophenol 120832	60	10	790	93
2,4-Dimethylphenol 105679	3,000	100		
2,4-Dinitrophenol 51285	300	10	14.6	0.0697
2,4-Dinitrotoluene 121142	1.7	0.049	9.1	0.11
2-Chloronaphthalene 91587	1,000	800		
2-Chlorophenol 95578	800	30	400	120
2-Methyl-4,6-Dinitrophenol 534521	30	2		
3,3'-Dichlorobenzidine 91941	0.15	0.049		
3-Methyl-4-Chlorophenol 59507	2,000	500		
Acenaphthene 83329	90	70	2.7	1.2
Acrolein 107028	400	3		
Acrylonitrile 107131	7.0	0.061		
Aldrin 309002	0.00000077	0.00000077	0.00014	0.00013
alpha-Hexachlorocyclohexane (HCH) 319846	0.00039	0.00036		

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Chemical	EPA Recommended Criteria		FDEP Adopted Criteria	
	Fish Consumption Only (µg/L)	Fish + Water Consumption (µg/L)	Fish Consumption Only (µg/L)	Fish + Water Consumption (µg/L)
alpha-Endosulfan 959988	30	20		
Anthracene 120127	400	300	110	9.6
Antimony 7440360	640	5.6	4300	14
Arsenic 7440382	0.14	0.018		
Asbestos 1332214		7 million fibers/L		7 million fibers/L
Benzene 71432	16-58	0.58-2.1	71.28	1.18
Benzidine 92875	0.011	0.00014		
Benzo(a)anthracene 56553	0.0013	0.0012		
Benzo(a)pyrene 50328	0.0013	0.00012		
Benzo(b)fluoranthene 205992	0.0013	0.00012		
Benzo(k)fluoranthene 207089	0.013	0.012		
beta-Hexachlorocyclohexane (HCH) 319857	0.0080	0.014	0.046	0.014
beta-Endosulfan 33213659	40	20		
Bis(2-Chloro-1-methylethyl) Ether 108601	4,000	200		
Bis(2-Chloroethyl) Ether 111444	2.2	0.030		

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Chemical	EPA Recommended Criteria		FDEP Adopted Criteria	
	Fish Consumption Only (µg/L)	Fish + Water Consumption (µg/L)	Fish Consumption Only (µg/L)	Fish + Water Consumption (µg/L)
Bis(2-Ethylhexyl) Phthalate 117817	0.37	0.32		
Bromoform 75252	120	7.0	360	4.3
Butylbenzyl Phthalate 85687	0.10	0.10		
Carbon Tetrachloride 56235	5	0.4	4.42	0.25
Chlordane 57749	0.00032	0.00031	0.00059	0.00058
Chlorobenzene 108907	800	100		
Chlorodibromomethane 124481	21	0.80	34	0.41
Chloroform 67663	2,000	60	470.8	5.67
Chrysene 218019	0.13	0.12		
Copper 7440508		1,300		
Cyanide 57125	400	4		
Dibenzo(a,h)anthracene 53703	0.00013	0.00012		
Dichlorobromomethane 75274	27	0.95	22	0.27
Dieldrin 60571	0.0000012	0.0000012	0.00014	0.00014
Diethyl Phthalate 84662	600	600		

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Chemical	EPA Recommended Criteria		FDEP Adopted Criteria	
	Fish Consumption Only (µg/L)	Fish + Water Consumption (µg/L)	Fish Consumption Only (µg/L)	Fish + Water Consumption (µg/L)
Dimethyl Phthalate 131113	2,000	2,000		
Di-n-Butyl Phthalate 84742	30	20		
Endosulfan Sulfate 1031078	40	20		
Endrin 72208	0.03	0.03		
Endrin Aldehyde 7421934	1	1		
Ethylbenzene 100414	130	68		
Fluoranthene 206440	20	20	0.370	0.3
Fluorene 86737	70	50	14	1.3
gamma-Hexachlorocyclohexane (HCH) [Lindane] 58899	4.4	4.2		
Heptachlor 76448	0.0000059	0.0000059	0.00021	0.00021
Heptachlor Epoxide 1024573	0.000032	0.000032		
Hexachlorobenzene 118741	0.000079	0.000079		
Hexachlorobutadiene 87683	0.01	0.01	49.7	0.45
Hexachlorocyclopentadiene 77474	4	4		

Chemical	EPA Recommended Criteria		FDEP Adopted Criteria	
	Fish Consumption Only (µg/L)	Fish + Water Consumption (µg/L)	Fish Consumption Only (µg/L)	Fish + Water Consumption (µg/L)
Hexachloroethane 67721	0.1	0.1		
Indeno(1,2,3-cd)pyrene 193395	0.0013	0.0012		
Isophorone 78591	1,800	34		
Methylmercury 22967926	0.3 mg $_{MeHg}$ per kg $_{fish}$			
Methyl Bromide 74839	10,000	100		
Methylene Chloride 75092	1,000	20	1580	4.65
Nickel 744000	4,600	610		
Nitrobenzene 98953	600	10		
N-Nitrosodimethylamine 62759	3.0	0.00069		
N-Nitrosodi-n-Propylamine 621647	0.51	0.0050		
N-Nitrosodiphenylamine 86306	6.0	3.3		
Pentachlorophenol 87865	0.04	0.03	8.2	0.28
Phenol 108952	300,000	4,000		
p,p -Dichlorodiphenyldichloroethane (DDD) 72548	0.00012	0.00012		

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Chemical	EPA Recommended Criteria		FDEP Adopted Criteria	
	Fish Consumption Only (µg/L)	Fish + Water Consumption (µg/L)	Fish Consumption Only (µg/L)	Fish + Water Consumption (µg/L)
p,p -Dichlorodiphenyldichloroethylene (DDE) 72559	0.000018	0.000018		
p,p'-Dichlorodiphenyltrichloroethane (DDT) 50293	0.000030	0.000030	0.00059	0.00059
Polychlorinated Biphenyls (PCBs) 1336363	0.000064	0.000064	0.000045	0.000044
Pyrene 129000	30	20	11	0.96
Selenium 7782492	4,200	170		
Tetrachloroethylene 127184	29	10	8.85	0.8
Thallium 7440280	0.47	0.24	6.3	1.7
Toluene 108883	520	57		
Toxaphene 8001352	0.00071	0.00070		
trans-1,2-Dichloroethylene 156605	4,000	100		
Trichloroethylene 79016	7	0.6	80.7	2.7
Vinyl Chloride 75014	1.6	0.022		
Zinc 7440666	26,000	7,400		

*** Summary:**

Table 2 identifies the EPA's national recommended water quality criteria for 99 toxic pollutants to protect human health and FDEP's adopted water quality criteria for 32 toxic pollutants. The former are based on *National Recommended Water Quality Criteria - Human Health Criteria Table*, https://www.epa.gov/wqc/national-recommended-water-quality-criteria-human-health-criteria-table (accessed Dec. 31, 2021). The latter are based on Fla. Admin. Code r. 62-302-530, Table: Surface Water Quality Criteria.

FDEP has adopted water quality criteria that are less stringent than EPA's national recommended water quality criteria for 19 toxic pollutants. FDEP has adopted no criteria for another 65 toxic pollutants. FDEP's less stringent and omitted toxic pollutant criteria are highlighted in yellow.

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