

EPA NPDES Form 206 Table and Listing Number	Priority Pollutants and Boron	Units	Drinking Water Criteria (MCL)	EPA Aquatic Life Criteria Saltwater CMC (acute) <sup>2</sup>	NOAA (SQuirTS) Screening Levels Marine Surface Water (acute) <sup>3</sup>	NPDES Minimum Level of Detection <sup>4</sup>	Torus				DSR/Reactor <sup>7</sup>				SFP <sup>8</sup>			
							Date Collected: August 31, 2022				Date Collected: May 11, 2022				Date Collected: May 11, 2022			
							Method Detection Limit <sup>5</sup>	Reporting Limit	Result	Validation Flag	Method Detection Limit <sup>6</sup>	Reporting Limit	Result	Validation Flag	Method Detection Limit <sup>6</sup>	Reporting Limit	Result	Validation Flag
<b>Metals/Inorganics</b>																		
B.1.1	Antimony	µg/l	6		1,500	10	1.00	3.0	<	1.00	10.00	30	<	10.00	10.00	30	<	10.00
B.1.2	Arsenic	µg/l	10	69		20	2.00	5.00	<	5.00	20.00	50	<	20.00	20.00	50	<	20.00
B.1	Asbestos	MFL	7				NA	NA		NA	NA	NA		NA	NA	NA		NA
B.1.3	Beryllium	µg/l	4		1,500		0.200	0.500	<	0.200	2.00	5.00	<	2.00	2.00	5.00	<	2.00
C.16	Boron*	µg/l					5.2	15		186	NA	NA		22.7	NA	NA		20.4
B.1.4	Cadmium	µg/l	5	33		10	0.300	1.00	<	0.300	3.00	10.00	<	3.00	3.00	10.00	<	3.00
B.1.5	Chromium, Total	µg/l	100	1,100	10,300	15	3.00	10.0	<	3.00	30.00	100.0	<	30.00	30.00	100.0	<	30.00
B.1.6	Copper	µg/l	1	5		3	0.300	2.00		2.75	3.00	20.0	<	3.00	3.00	20.0	<	3.00
B.1.14	Cyanide, Total	µg/l	200	1		10	1.67	5.00	<	1.67	1.67	5.00	<	1.67	1.67	5.00	<	1.67
B.1.7	Lead	µg/l	15	210		0.5	0.500	2.00		8.62	5.00	20.0	<	5.00	5.00	20.0	<	3.30
B.1.8	Mercury	µg/l	2	2		0.2	0.670	2.00	<	0.670	0.670	2.00	<	0.670	0.670	2.00	<	0.670
B.1.9	Nickel	µg/l	74			20	6.00	2.00	<	4.72	6.00	20.00	<	6.00	6.00	20.00	<	19.70
B.1.11	Selenium	µg/l	50	290		20	1.50	5.00	<	1.50	15.00	50.0	<	15.00	15.00	50.0	<	6.00
B.1.11	Silver	µg/l		2		10	0.300	1.00	<	0.300	3.00	10.00	<	3.00	3.00	10.00	<	1.00
B.1.12	Thallium	µg/l	2		2,130		0.600	2.00	<	0.600	6.00	20.0	<	6.00	6.00	20.0	<	5.00
B.1.13	Zinc	µg/l		90		15	33.00	200.0		4210	33.00	200.0	<	6.00	33.00	200.0	<	293
<b>PCBs</b>																		
B.5.24	PCB-1016 (Arochlor 1016)	µg/l	0.5				0.159	0.478	<	0.159	1.67	5.00	<	1.67	1.67	5.00	<	1.67
B.5.20	PCB-1221 (Arochlor 1221)	µg/l	0.5				0.159	0.478	<	0.159	1.67	5.00	<	1.67	1.67	5.00	<	1.67
B.5.21	PCB-1232 (Arochlor 1232)	µg/l	0.5				0.159	0.478	<	0.159	1.67	5.00	<	1.67	1.67	5.00	<	1.67
B.5.18	PCB-1242 (Arochlor 1242)	µg/l	0.5				0.159	0.478	<	0.159	1.67	5.00	<	1.67	1.67	5.00	<	1.67
B.5.22	PCB-1248 (Arochlor 1248)	µg/l	0.5				0.159	0.478	<	0.159	1.67	5.00	<	1.67	1.67	5.00	<	1.67
B.5.19	PCB-1254 (Arochlor 1254)	µg/l	0.5				0.159	0.478	<	0.159	1.67	5.00	<	1.67	1.67	5.00	<	1.67
B.5.23	PCB-1260 (Arochlor 1260)	µg/l	0.5				0.159	0.478	<	0.159	1.67	5.00	<	1.67	1.67	5.00	<	1.67
<b>Pesticides</b>																		
B.5.9	4,4-DDD	µg/l			3.6		0.00955	0.0382	<	0.00955	0.100	0.400	<	0.100	0.100	0.400	<	0.100
B.5.8	4,4-DDE	µg/l			14		0.00955	0.0382	<	0.00955	0.100	0.400	<	0.100	0.100	0.400	<	0.100
B.5.7	4,4-DDT	µg/l			0.13	0.065	0.00955	0.0382	<	0.00955	0.100	0.400	<	0.100	0.100	0.400	<	0.100
B.5.1	Aldrin	µg/l			1.3	0.045	0.00635	0.0191	<	0.00635	0.0665	0.200	<	0.0665	0.0665	0.200	<	0.0665
B.5.6	Chlordane	µg/l	2		0.09	0.045	0.00635	0.0191	<	0.00635	0.0665	0.200	<	0.0665	0.0665	0.200	<	0.0665
B.5.10	Dieldrin	µg/l			0.71	0.355	0.00955	0.0382	<	0.00955	0.100	0.400	<	0.100	0.100	0.400	<	0.100
B.5.11	Alpha-endosulfan (Endosulfan I)	µg/l			0.034	0.017	0.00635	0.0191	<	0.00635	0.0665	0.200	<	0.0665	0.0665	0.200	<	0.0665
B.5.12	Beta-endosulfan (Endosulfan II)	µg/l			0.034	0.017	0.00955	0.0382	<	0.00955	0.100	0.400	<	0.100	0.100	0.400	<	0.100
B.5.13	Endosulfan sulfate	µg/l					0.00955	0.0382	<	0.00955	0.100	0.400	<	0.100	0.100	0.400	<	0.100
B.5.14	Endrin	µg/l	2	0.037	0.0185		0.00955	0.0382	<	0.00955	0.100	0.400	<	0.100	0.100	0.400	<	0.100
B.5.15	Endrin aldehyde	µg/l					0.00635	0.0382	<	0.00635	0.0665	0.200	<	0.0665	0.0665	0.200	<	0.0665
B.5.16	Heptachlor	µg/l	0.4	0.053	0.0265		0.00635	0.0191	<	0.00635	0.0665	0.200	<	0.0665	0.0665	0.200	<	0.0665
B.5.17	Heptachlor epoxide	µg/l	0.2	0.053	0.0265		0.00635	0.0191	<	0.00635	0.0665	0.200	<	0.0665	0.0665	0.200	<	0.0665
B.5.2	alpha-BHC	µg/l					0.00635	0.0191	<	0.00635	0.0665	0.200	<	0.0665	0.0665	0.200	<	0.0665
B.5.3	beta-BHC	µg/l					0.00635	0.0191	<	0.00635	0.0665	0.200	<	0.0665	0.0665	0.200	<	0.0665
B.5.4	delta-BHC	µg/l					0.00635	0.0191	<	0.00635	0.0665	0.200	<	0.0665	0.0665	0.200	<	0.0665
B.5.5	Gamma-BHC	µg/l			0.16	0.08	0.00635	0.0191	<	0.00635	0.0665	0.200	<	0.0665	0.0665	0.200	<	0.0665
B.5.25	Toxaphene	µg/l	3	0.21	0.21		0.00635	0.0191	<	0.00635	0.0665	0.200	<	0.0665	0.0665	0.200	<	0.0665
<b>SVOAs</b>																		
B.4.6	1,2,4-Trichlorobenzene	µg/l	70		160		2.89	9.64	<	2.89	300	1000	<	300	300	1000	<	300
B.4.30	1,2-Diphenylhydrazine	µg/l					2.89	9.64	<	2.89	300	1000	<	300	300	1000	<	300
B.4.23	1,4-Dichlorobenzene	µg/l			1,970		2.89	9.64	<	2.89	300	1000	<	300	300	1000	<	300
B.3.11	2,4,6-Trichlorophenol	µg/l					2.89	9.64	<	2.89	300	1000	<	300	300	1000	<	300
B.3.5	2,4-Dinitrophenol	µg/l			4,850		4.82	19.3	<	4.82	500	2000	<	500	500	2000	<	500
B.4.27	2,4-Dinitrotoluene	µg/l			590		2.89	9.64	<	2.89	300	1000	<	300	300	1000	<	300
B.4.28	2,6-Dinitrotoluene	µg/l					2.89	9.64	<	2.89	300	1000	<	300	300	1000	<	300
B.3.2	2,4-Dichlorophenol	µg/l					2.89	9.64	<	2.89	300	1000	<	300	300	1000	<	300
B.3.3	2,4-Dimethylphenol	µg/l					2.89	9.64	<	2.89	300	1000	<	300	300	1000	<	300
B.4.16	2-Chloronaphthalene	µg/l			7.5		0.395	0.964	<	0.395	41.0	100	<	100	41.0	100	<	100
B.3.1	2-Chlorophenol	µg/l					2.89	9.64	<	2.89	300	1000	<	300	300	1000	<	300
B.3.4	2-Methyl-4,6-dinitrophenol	µg/l					2.89	9.64	<	2.89	300	1000	<	300	300	1000	<	300
B.3.6	2-Nitrophenol	µg/l					2.89	9.64	<	2.89	300	1000	<	300	300	1000	<	300
B.4.23	3,3-Dichlorobenzidine	µg/l					2.89	9.64	<	2.89	300	1000	<	300	300	1000	<	300
B.4.14	4-Bromophenylphenylether	µg/l					2.89	9.64	<	2.89	300	1000	<	300	300	1000	<	300
B.3.8	4-Chloro-3-methylphenol	µg/l					2.89	9.64	<	2.89	300	1000	<	300	300	1000	<	300
B.4.17	4-Chlorophenylphenylether	µg/l					2.89	9.64	<	2.89	300	1000	<	300	300	1000	<	300
B.3.7	4-Nitrophenol	µg/l			4,850		2.89	9.64	<	2.89	300	1000	<	300	300	1000	<	300
B.4.1	Acenaphthene	µg/l			970		0.289	0.964	<	0.289	30.0	100	<	30.0	30.0	100	<	30.0
B.4.2	Acenaphthylene	µg/l			300		0.289	0.964	<	0.289	30.0	100	<	30.0	30.0	100	<	30.0
B.4.3	Anthracene	µg/l			300		0.289	0.964	<	0.289	30.0	100	<	30.0	30.0	100	<	30.0
B.4.4	Benzidine	µg/l					3.76	9.64	<	3.76	390	1000	<	390	390	1000	<	390
B.4.5	Benzo(a)anthracene	µg/l			300		0.289	0.964	<	0.289	30.0	100	<	30.0	30.0	100	<	30.0
B.4.6	Benzo(a)pyrene	µg/l			300		0.289	0.964	<	0.289	30.0	100	<	30.0	30.0	100	<	30.0
B.4.7	Benzo(b)fluoranthene	µg/l			300		0.289	0.964	<									

B 2.11	Bromodichloromethane	µg/l			12,000		0.333	1.00	<	0.333		0.333	1.00	<	0.333		0.333	1.00	<	0.333
B 2.4	Bromofom	µg/l					0.333	1.00	<	0.333		0.333	1.00	<	0.333		0.333	1.00	<	0.333
B 2.18	Bromomethane (Methyl bromide)	µg/l					0.337	1.00	<	0.337		0.337	1.00	<	0.337		0.337	1.00	<	0.337
B 2.5	Carbon Tetrachloride	µg/l			50,000		0.333	1.00	<	0.333		0.333	1.00	<	0.333		0.333	1.00	<	0.333
B 2.6	Chlorobenzene	µg/l	100				0.333	1.00	<	0.333		0.333	1.00	<	0.333		0.333	1.00	<	0.333
B 2.8	Chloroethane	µg/l					0.333	1.00	<	0.333		0.333	1.00	<	0.333		0.333	1.00	<	0.333
B 2.10	Chloroform	µg/l					0.333	1.00	<	0.333		0.333	1.00	<	0.333		0.333	1.00	<	0.333
B 2.19	Chloromethane (Methyl chloride)	µg/l					0.333	1.00	<	0.333		0.333	1.00	<	0.333		0.333	1.00	<	0.333
B 2.11	Dibromochloromethane	µg/l			12,000		0.333	1.00	<	0.333		0.333	1.00	<	0.333		0.333	1.00	<	0.333
	Dichlorodifluoromethane	µg/l					0.355	1.00	<	0.355		0.355	1.00	<	0.355		0.355	1.00	<	0.355
B 2.17	Ethylbenzene	µg/l	700		430	2	0.333	1.00	<	0.333		0.333	1.00	<	0.333		0.333	1.00	<	0.333
B 2.20	Methylene chloride	µg/l			12,000		0.750	2.00	<	0.750	U	0.500	2.00	<	0.500		0.500	2.00	<	0.500
B 2.22	Tetrachloroethylene	µg/l	5		10,200		0.333	1.00	<	0.333		0.333	1.00	<	0.333		0.333	1.00	<	0.333
B 2.23	Toluene	µg/l	1000		6,300	2	0.333	1.00	<	0.333		0.333	1.00	<	0.333		0.333	1.00	<	0.333
B 2.27	Trichloroethylene	µg/l			2,000		0.333	1.00	<	0.333		0.333	1.00	<	0.333		0.333	1.00	<	0.333
B 2.28	Vinyl chloride	µg/l					0.333	1.00	<	0.333		0.333	1.00	<	0.333		0.333	1.00	<	0.333
B 2.16	cis-1,3-Dichloropropylene	µg/l					0.333	1.00	<	0.333		0.333	1.00	<	0.333		0.333	1.00	<	0.333
B 2.24	trans-1,2-Dichloroethylene	µg/l	100		224,000		0.333	1.00	<	0.333		0.333	1.00	<	0.333		0.333	1.00	<	0.333
B 2.16	trans-1,3-Dichloropropylene	µg/l					0.333	1.00	<	0.333		0.333	1.00	<	0.333		0.333	1.00	<	0.333
<b>Dioxins/Furans</b>																				
E	2,3,7,8-TCDD	µg/l	0.00003				0.0000946	NA	<	0.0000946		0.0000946	NA	<	0.0000946		0.0000946	NA	<	0.0000946

Notes and Abbreviations:  
 Presented results have been validated with exception to the boron data from the DSP/Reactor and the SPF. Asbestos analysis for radiological samples could not be secured at this time  
 \* Boron has no MCL or CMC. Boron is naturally present in seawater at a concentration of 4.5mg/l (4,500 ug/l), EPA Quality Criteria for Water 1986.  
 # Receipt temperatures for the SFP and DSR/Reactor were above acceptance limits. Detections may be biased low and the reporting limit is approximate for non-detections.  
 Bolded result indicates constituent was detected above the method detection limit  
 Bolded/italized results indicates constituent was detected below reporting limits in the associated laboratory blank  
 1) <https://www.epa.gov/ground-water-and-drinking-water/national-primary-drinking-water-regulations>  
 2) <https://www.epa.gov/wq/national-recommended-water-quality-criteria-aquatic-life-criteria-table>  
 3) <https://response.restoration.noaa.gov/sites/default/files/SQUIRTs.pdf>  
 4) Pilgrim NPDES Permit MA0003557, Attachment C  
 5) 2,3,7,8-TCDD MDL reported as Practical Quantitation Limit  
 6) Reported as bis(2-Chloro-1-methylethyl)ether  
 7) Reported as Diphenylamine  
 PCBs = polychlorinated biphenyls  
 µg/l micrograms per liter  
 EPA MCL = Environmental Protection Agency Maximum Contaminant Level  
 CMC = Criterion Maximum Concentration  
 NA = Not Applicable  
 < = Not Detected at the concentration result listed  
 U = The analyte was analyzed for, but was not detected above the level of the adjusted detection limit or quantitation limit, as appropriate.  
 R = The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.