

## Fact Sheet Appendix F-4

City of Calistoga NPDES Permit Reissuance  
Applicable Water Quality Objectives/Criteria

Is it a RB2 facility (Y/N)?

Y

Hardness (mg/L CaCO3)

65

pH (s.u.)

7.8

Note: DO NOT enter any value for the column that is NOT applicable

Note: Numbers in blue have formula in the cells - calculates values automatically

		Lowest (most stringent) Criteria <sup>6</sup>	Basin Plan Objectives (ug/L)- Regional Board 2		CTR or NTR Water Quality Criteria (ug/L)				Factors for Metals				Conversion Factor	
			Freshwater (from Table 3-4)		Freshwater		Human Health for consumption of:		Freshwater Criteria				(CF)	
# in CTR	PRIORITY POLLUTANTS		1-hr	4-day	CMC (acute)	CCC (chronic)	Water & organisms	Organisms only	ma	ba	mc	bc	freshwater acute criteria	freshwater chronic criteria
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L						
	1 Antimony	14					14							
	2 Arsenic	150	340	150	340	150							1	
	3 Beryllium	No Criteria												
	4 Cadmium	0.8	2.4	0.8	2.8	1.8								
	5a Chromium (III)	145			1220	145			1.128	-3.6867	0.7852	-2.715	0.962	
	5b Chromium (VI)	11	16	11	16	11							0.982	
	6 Copper	6.5	9.3	6.5	9.3	6.5	1300		0.9422	-1.7000	0.8545	-1.7020	0.96	
	7 Lead	1.8	47	1.8	47	1.8			1.2730	-1.4600	1.2730	-4.7050	0.854	
	8 Mercury	0.025	0.025	2.4			0.05							
	9 Nickel	36.2	326	36	326	36	610		0.8460	2.2550	0.8460	0.0584	0.998	
	10 Selenium	5			20	5								
	11 Silver	1.9	1.9		1.9				1.7200	-6.5200			0.85	
	12 Thallium	1.7					1.7							
	13 Zinc	83	83	83	83	83			0.8473	0.8840	0.8473	0.8840	0.978	
	14 Cyanide	5.2			22	5.2	700							
	15 Asbestos	7000000					7000000 fibers/L							
	16 2,3,7,8-TCDD	0.000000013					0.000000013							
	TCDD TEQ	0.000000013					0.000000013							
	17 Acrolein	320					320							
	18 Acrylonitrile	0.06					0.059							
	19 Benzene	1.2					1.2							
	20 Bromoform	4.3					4.3							
	21 Carbon Tetrachloride	0.3					0.25							
	22 Chlorobenzene	680					680							
	23 Chlorodibromomethane	0.41					0.41							
	24 Chloroethane	No Criteria												
	25 2-Chloroethylvinyl Ether	No Criteria												
	26 Chloroform	No Criteria												
	27 Dichlorobromomethane	0.56					0.56							
	28 1,1-Dichloroethane	No Criteria												
	29 1,2-Dichloroethane	0.380					0.38							
	30 1,1-Dichloroethylene	0.057					0.057							
	31 1,2-Dichloropropane	0.520					0.52							
	32 1,3-Dichloropropylene	10.000					10							
	33 Ethylbenzene	3.100					3100							
	34 Methyl Bromide	48					48							
	35 Methyl Chloride	No Criteria												
	36 Methylene Chloride	4.7					4.7							
	37 1,1,2,2-Tetrachloroethane	0.17					0.17							
	38 Tetrachloroethylene	0.80					0.8							
	39 Toluene	6800					6800							
	40 1,2-Trans-Dichloroethylene	700					700							
	41 1,1,1-Trichloroethane	No Criteria												
	42 1,1,2-Trichloroethane	0.60					0.6							
	43 Trichloroethylene	2.70					2.7							
	44 Vinyl Chloride	2.00					2							
	45 Chlorophenol	120					120							
	46 2,4-Dichlorophenol	93					93							
	47 2,4-Dimethylphenol	540					540							
	48 2-Methyl-4,6-Dinitrophenol	13					13.4							
	49 2,4-Dinitrophenol	70					70							
	50 2-Nitrophenol	No Criteria												
	51 4-Nitrophenol	No Criteria												
	52 3-Methyl-4-Chlorophenol	No Criteria												
	53 Pentachlorophenol	0.28			19	15	0.28							
	54 Phenol	21000					21000							
	55 2,4,6-Trichlorophenol	2.10					2.1							
	56 Acenaphthene	1,200					1200							
	57 Acenaphthylene	No Criteria												
	58 Anthracene	9,600					9600							
	59 Benzidine	0.00012					0.00012							
	60 Benzo(a)Anthracene	0.0044					0.0044							
	61 Benzo(a)Pyrene	0.0044					0.0044							
	62 Benzo(b)Fluoranthene	0.0044					0.0044							
	63 Benzo(ghi)Perylene	No Criteria												
	64 Benzo(k)Fluoranthene	0.0044					0.0044							
	65 Bis(2-Chloroethoxy)Methane	No Criteria												
	66 Bis(2-Chloroethyl)Ether	0.031					0.031							
	67 Bis(2-Chloroisopropyl)Ether	1,400					1400							
	68 Bis(2-Ethylhexyl)Phthalate	1.80					1.8							
	69 4-Bromophenyl Phenyl Ether	No Criteria												
	70 Butylbenzyl Phthalate	3,000					3000							
	71 2-Chloronaphthalene	1,700					1700							
	72 4-Chlorophenyl Phenyl Ether	No Criteria												
	73 Chrysene	0.0044					0.0044							
	74 Dibenzo(a,h)Anthracene	0.0044					0.0044							
	75 1,2-Dichlorobenzene	2,700					2700							
	76 1,3-Dichlorobenzene	400					400							
	77 1,4-Dichlorobenzene	400					400							
	78 3,3'-Dichlorobenzidine	0.040					0.04							
	79 Diethyl Phthalate	23,000					23000							

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			Freshwater (from Table 3-4)		Freshwater		Human Health for consumption of:		ma	ba	mc	bc	freshwater acute criteria	freshwater chronic criteria
# in CTR	PRIORITY POLLUTANTS		1-hr	4-day	CMC (acute)	CCC (chronic)	Water & organisms	Organisms only						
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L						
80	Dimethyl Phthalate	313.000					313000							
81	Di-n-Butyl Phthalate	2.700					2700							
82	2,4-Dinitrotoluene	0.11					0.11							
83	2,6-Dinitrotoluene	No Criteria												
84	Di-n-Octyl Phthalate	No Criteria												
85	1,2-Diphenylhydrazine	0.040					0.04							
86	Fluoranthene	300					300							
87	Fluorene	1,300					1300							
88	Hexachlorobenzene	0.00075					0.00075							
89	Hexachlorobutadiene	0.44					0.44							
90	Hexachlorocyclopentadiene	240					240							
91	Hexachloroethane	1.90					1.9							
92	Indeno(1,2,3-cd) Pyrene	0.0044					0.0044							
93	Isophorone	8.4					8.4							
94	naphthalene	No Criteria												
95	Nitrobenzene	17					17							
96	N-Nitrosodimethylamine	0.00069					0.00069							
97	N-Nitrosodi-n-Propylamine	0.005					0.005							
98	N-Nitrosodiphenylamine	5					5							
99	Phenanthrene	No Criteria												
100	Pyrene	960					960							
101	1,2,4-Trichlorobenzene	No Criteria												
102	Aldrin	0.00013				3	0.00013							
103	alpha-BHC	0.0039					0.0039							
104	beta-BHC	0.0140					0.014							
105	gamma-BHC	0.0190				0.95	0.019							
106	delta-BHC	No Criteria												
107	Chlordane	0.00057				2.4	0.0043	0.00057						
108	4,4-DDT	0.00059				1.1	0.001	0.00059						
109	4,4-DDE	0.00059						0.00059						
110	4,4-DDD	0.00083						0.00083						
111	Dieldrin	0.00014				0.24	0.056	0.00014						
112	alpha-Endosulfan	0.0560				0.22	0.056	110						
113	beta-Endosulfan	0.0560				0.22	0.056	110						
114	Endosulfan Sulfate	110						110						
115	Endrin	0.0360				0.086	0.036	0.76						
116	Endrin Aldehyde	0.76						0.76						
117	Heptachlor	0.00021				0.52	0.0038	0.00021						
118	Heptachlor Epoxide	0.00010				0.52	0.0038	0.0001						
119-125	PCBs sum (3)	0.00017					0.014	0.00017						
126	Toxaphene	0.00020				0.73	0.0002	0.00073						
	Tributyltin	0.0720				0.46	0.072							

## Notes:

- (1) Receiving body: Napa River  
(2) PCBs sum refers to sum of PCB 1016, 1221, 1232, 1242, 1248, 1254, and 1260