

# Attachment N-3 Priority Reasonable Potential Analysis and Limit Deriv

CTR#		Units	CV	MEC (Ventura WRP effluent)	CTR CRITERIA						SWRC B min	REASONABLE POTENTIAL ANALY					
					Saltwater		Freshwater		Human Health			Lowest C	Tier 1 MEC ≥ Lowes	B			
					C acute = CMC tot	C chronic = CCC	C acute = CMC tot	C chronic = CCC	Not applicable C hh W&O	C hh O				R3 max	R4 max	R5 max	
1	Antimony	µg/L		<1	NONE	NONE	NONE	NONE	14	4300	0.5	4300	NO	<1		<1	
2	Arsenic	µg/L		<2	69	36	340	150	Narrative	Narrative	1	36	NO	7.7	7.35	6.26	
3	Beryllium	µg/L		<2	NONE	NONE	NONE	NONE	Narrative	Narrative	0.5	no criteria	NO	<.2	<.2	<.2	
4	Cadmium	µg/L		<4	42.25	9.36	21.58	7.31	Narrative	Narrative	0.25	7.31	NO	<4	<4	<4	
5a	Chromium III*	µg/L		<7	Narrative	Narrative	5404.62	644.2	Narrative	Narrative		644.2	NO	9.05	<7	7.43	
5b	Chromium VI	µg/L		<1	1107.75	50.35	16.3	11.4	Narrative	Narrative	5	11.4	NO	not sampled	not sampled	not sampled	
6	Copper*	µg/L	0.79	8.88	13.99	9.033	51.68	30.5	1300	NONE	0.5	9.033	YES	3.01	4.97	3.54	
7	Lead	µg/L	0.6	9.44	220.8	8.5	476.82	18.58	Narrative	Narrative	0.5	8.5	YES	7.63	<5	5.54	
8	Mercury	µg/L	0.6	<.02	-	-	-	-	0.05	0.051	0.2	0.05	NO	<2	<2	<2	
9	Nickel*	µg/L	1.09	35.4	91.36	10.23	1515.92	168.54	610	4600	1	10.23	YES	50.2	30.2	42	
10	Selenium	µg/L	0.6	13.7	290.58	71.14	-	5	Narrative	Narrative	5	5	YES	7.65	8.07	20.1	
11	Silver*	µg/L	0.6	<.2	2.24	NONE	44.05	NONE	NONE	NONE	0.25	2.24	NO	<.2	<.2	<.2	
12	Thallium	µg/L	0.6	<1	NONE	NONE	NONE	NONE	1.7	6.3	1	6.3	NO	<1	<1	<1	
13	Zinc	µg/L	0.33	68.8	107.1	96.4	387.83	388	NONE	NONE	1	96.4	NO	32.4	31.5	20.1	

These metals are hardness dependent. CTR criteria was calculated using a hardness capped at 400 mg/L.



<b>Recommendation</b>
Interim Monitoring - No CTR-based Limit
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"New limit for AMEL: Tier 1, MEC > C, with 2009 WER of 2.08 and dissolved conversion factor of .83. Correcting old MDEL = 8.8, AMEL = 4.2 with lower WER and no conversion factor.
Reinstate limit: Tier 1, MEC > C, MDEL = 14, AMEL = 7.
Interim Monitoring - No CTR-based Limit
Revise limit using metal translator: Tier 1, MEC > C, Old limit CTR MDEL = 15.2, AMEL = 5.3 without translator.
New limit for MDEL: Tier 1, MEC > C. Update from CTR MDEL = 8.8, AMEL= 2.9.
Interim Monitoring - No Limit
Interim Monitoring - No Limit
Interim Monitoring - No Limit