

Attachment N  
 Ventura Water Reclamation Facility  
 Reasonable Potential Analyses and Limit Derivations  
 (CA0053651, CI-1822)

CTR#	Pollutant	MEC	CTR		MEC>C	RPA	CV	ECA multiplier acute
			WQC=C	Lowest C				
6	Copper (Cu)	17	5.6953488	5.695348837	YES	YES (MEC > C)	0.6611176	0.295423269
8	Mercury (Hg)	0.7	0.051	0.051	YES	YES (MEC > C)	0.6	0.321083214
11	Silver (Ag)	9.3	2.24	2.24	YES	YES (MEC > C)	2.2634816	0.108058655
13	Zinc (Zn)	161.9	96.428571	96.42857143	YES	YES (MEC > C)	0.8890099	0.226752767

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CTR#	Pollutant	ECA multiplier chronic	Water Quality-Based Effluent Limitation		
			ECAacute	ECACHRONICLE	LTAacute=ECA*ECAacute
6	Copper (Cu)	0.497985653	8.81860465	5.695348837	2.605221013
8	Mercury (Hg)	0.527433444	NA	NA	NA
11	Silver (Ag)	0.182713241	2.23529412	NA	0.241542876
13	Zinc (Zn)	0.407577017	107	96.42857143	24.29493934

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CTR#	Pollutant					
		LT <sub>Achronic</sub> =ECA*EC <sub>Achronic</sub>	LT <sub>Alowest</sub>	AMEL multiplier	MDEL multiplier	AMEL <sub>aquatic</sub>
6	Copper (Cu)	2.836202011	2.60522101	1.612657851	3.384973716	4.20133012
8	Mercury (Hg)	NA	NA	1.552424614	3.114457427	NA
11	Silver (Ag)	NA	0.24154288	2.948981578	9.254233269	0.712305491
13	Zinc (Zn)	39.30206954	24.2949393	1.837407203	4.41008951	44.63969655

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CTR#	Pollutant	Human Health			Numerical Limitation	
		MDELaquatic	AMELhh=ECA	MDELhh	Monthly Average	Daily Maximum
6	Copper (Cu)	8.818604651	NA	NA	4.20133012	8.818604651
8	Mercury (Hg)	NA	0.051	0.102315647	0.051	0.102315647
11	Silver (Ag)	2.235294118	NA	NA	0.712305491	2.235294118
13	Zinc (Zn)	107.1428571	NA	NA	44.63969655	107.1428571

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<b>CTR#</b>	<b>Pollutant</b>	<b>Recommendation</b>
6	Copper (Cu)	Need Limit. Based on SW Aq Life
8	Mercury (Hg)	Need Limit. Based on Human Health Organisms only
11	Silver (Ag)	Need Limit. Based on SW Aq Life
13	Zinc (Zn)	Need Limit. Based on SW Aq Life