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

CTR#	Pollutant	MEC	CTR WQC=C	Lowest C	MEC>C	RPA	CV	ECA multiplier acute
6	Copper (Cu)	17	3.73	3.73	YES	YES (MEC > C)	0.643026	0.302619926
7	Lead (Pb)	63	8.52	8.52	YES	YES (MEC > C)	2.6940841	0.097874546
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)	1.8393017	0.123851751
13	Zinc (Zn)	239	86	86	YES	YES (MEC > C)	1.0714732	0.191751276
14	Cyanide (CN)	8	1	1	YES	YES (MEC > C)	0.6	0.321083214
23	Chlorodibromomethane	43.3	34	34	YES	YES (MEC > C)	1.2633498	0.166149592
27	Dichlorobromomethane	91.9	46	46	YES	YES (MEC > C)	1.3364367	0.15847552
68	Bis(2-ethylhexyl)phthalate	36.7	5.9	5.9	YES	YES (MEC > C)	0.6	0.321083214

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CTR#	Pollutant	ECA multiplier chronic	Water Quality-Based Effluent Limitation		
			ECAacute	ECAchronicle	LTAacute=ECA*ECAacute
6	Copper (Cu)	0.506444557	5.78313253	3.734939759	1.750091137
7	Lead (Pb)	0.157438323	220.820189	8.517350158	21.61267572
8	Mercury (Hg)	0.527433444	NA	NA	NA
11	Silver (Ag)	0.21991432	2.23529412	NA	0.27684509
13	Zinc (Zn)	0.3526666	95	85.62367865	18.24272179
14	Cyanide (CN)	0.527433444	1	1	0.321083214
23	Chlorodibromomethane	0.307301235	NA	NA	NA
27	Dichlorobromomethane	0.292684387	NA	NA	NA
68	Bis(2-ethylhexyl)phthalate	0.527433444	NA	NA	NA

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CTR#	Pollutant	LTAchronic=ECA*ECAchronic	LTAlowest	AMEL multiplier	MDEL multiplier	AMELaquatic
6	Copper (Cu)	1.891539911	1.75009114	1.594805822	3.304475068	2.791055535
7	Lead (Pb)	1.340957323	1.34095732	3.177122537	10.21716108	4.260385731
8	Mercury (Hg)	NA	NA	1.552424614	3.114457427	NA
11	Silver (Ag)	NA	0.27684509	2.668138046	8.074169267	0.738660917
13	Zinc (Zn)	30.19661159	18.2427218	2.014060391	5.215089163	36.74194339
14	Cyanide (CN)	0.527433444	0.32108321	1.552424614	3.114457427	0.498457484
23	Chlorodibromomethane	NA	NA	2.193105372	6.018672609	NA
27	Dichlorobromomethane	NA	NA	2.258940822	6.310122843	NA
68	Bis(2-ethylhexyl)phthalate	NA	NA	1.552424614	3.114457427	NA

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CTR#	Pollutant		Human Health		Numerical Limitation	
		MDELaquatic	AMELhh=ECA	MDELhh	Monthly Average	Daily Maximum
6	Copper (Cu)	5.78313253	NA	NA	2.791055535	5.78313253
7	Lead (Pb)	13.70077697	NA	NA	4.260385731	13.70077697
8	Mercury (Hg)	NA	0.051	0.102315647	0.051	0.102315647
11	Silver (Ag)	2.235294118	NA	NA	0.738660917	2.235294118
13	Zinc (Zn)	95.13742072	NA	NA	36.74194339	95.13742072
14	Cyanide (CN)	1	220000	441361.6146	0.498457484	1
23	Chlorodibromomethane	NA	34	93.30827024	34	93.30827024
27	Dichlorobromomethane	NA	46	128.4963501	46	128.4963501
68	Bis(2-ethylhexyl)phthalate	NA	5.9	11.83651603	5.9	11.83651603

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CTR#	Pollutant	Recommendation
6	Copper (Cu)	Need Limit. Based on SW Aq Life
7	Lead (Pb)	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
14	Cyanide (CN)	Need Limit. Based on SW Aq Life
23	Chlorodibromomethane	Need Limit. Based on Human Health Organisms only
27	Dichlorobromomethane	Need Limit. Based on Human Health Organisms only
68	Bis(2-ethylhexyl)phthalate	Need Limit. Based on Human Health Organisms only