Attachment J
Reasonable Potential Analyses and Limitation Derivations
(CA0056227, CI-5695)

CTR#	Pollutant	MEC	B	CTR WQC=C	Basin Plan WQC Title 22 GWR=C	Lowest C	MEC>C	B>C	MEC>Title 22 GWR
4	Cadmium (Cd)	0.85		4.9917489	5	4.991748864	NO	NA	NO
6	Copper (Cu)	18		26.117064	NA	26.11706405	NO	NA	NA
7	Lead (Pb)	1		10.01	NA	10.00702199	NO	NA	NA
8	Mercury (Hg)	0.055		0.051	2	0.051	YES	NA	NO
10	Selenium (Se)	1.8	6	5	50	5	NO	YES	NO
13	Zinc (Zn)	135		256.89499	NA	256.8949921	NO	NA	NA
14	Cyanide (CN)	6		5.2	200	5.2	YES	NA	NO

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CTR#	Pollutant	RPA	CV	ECA multiplier acute	ECA multiplier chronic	Water Quality-Based Effluent Limitation	
						ECAacute	ECAchronicle
4	Cadmium (Cd)	NO, but need limit	0.9736613	0.20888494	0.380460796		4.6
6	Copper (Cu)	NO, but need limit	0.1709425	0.683621203	0.822995093	26	26
7	Lead (Pb)	NO, but need limit	0.335785	0.49319401	0.688040034	10	10
8	Mercury (Hg)	YES (MEC > C)	1.7698162	0.127302656	0.227702778	NA	NA
10	Selenium (Se)	YES (B > C)	0.4963072	0.374794132	0.583491982	NA	5
13	Zinc (Zn)	NO, but need limit	0.2579722	0.572243732	0.747863629		212
14	Cyanide (CN)	YES (MEC > C)	0.6	0.321083214	0.527433444	22	5.2

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CTR#	Pollutant	LTAacute=ECA*ECAacute	LTAchronic=ECA*ECAchronic	LTAlowest	AMEL multiplier	MDEL multiplier
4	Cadmium (Cd)	0	1.750119663	1.75011966	1.919960395	4.787324547
6	Copper (Cu)	17.77415127	21.39787242	17.7741513	1.146489903	1.462798398
7	Lead (Pb)	4.9319401	6.880400344	4.9319401	1.297406282	2.027599646
8	Mercury (Hg)	NA	NA	NA	2.616470101	7.855295662
10	Selenium (Se)	NA	2.917459911	2.91745991	1.450996073	2.668131421
13	Zinc (Zn)	0	158.5470894	158.547089	1.22514254	1.747507127
14	Cyanide (CN)	7.063830703	2.742653909	2.74265391	1.552424614	3.114457427

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CTR#	Pollutant			Human Health		Numerical Limitation	
		AMELaquatic	MDELaquatic	AMELhh=ECA	MDELhh	Monthly Average	Daily Maximum
4	Cadmium (Cd)	3.36016044	8.378390822	NA	NA	3.36016044	8.378390822
6	Copper (Cu)	20.37788496	26	NA	NA	20.37788496	26
7	Lead (Pb)	6.398730069	10	NA	NA	6.398730069	10
8	Mercury (Hg)	NA	NA	0.051	0.153114717	0.051	0.153114717
10	Selenium (Se)	4.233222875	7.784166456	NA	NA	4.233222875	7.784166456
13	Zinc (Zn)	194.2427838	277.0621687	NA	NA	194.2427838	277.0621687
14	Cyanide (CN)	4.257763436	8.541878839	220000	441361.6146	4.257763436	8.541878839

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CTR#	Pollutant	Recommendation
4	Cadmium (Cd)	Need Limit. Based on FW Aq Life & Los Angeles River Metals TMDL
6	Copper (Cu)	Need Limit. Based on FW Aq Life & Los Angeles River Metals TMDL
7	Lead (Pb)	Need Limit. Based on FW Aq Life & Los Angeles River Metals TMDL
8	Mercury (Hg)	Need Limit. Based on Human Health Organisms only
10	Selenium (Se)	Need Limit. Receiving water conc. greater than effluent
13	Zinc (Zn)	Need Limit. Based on FW Aq Life & Los Angeles River Metals TMDL
14	Cyanide (CN)	Need Limit. Based on FW Aq Life