

ATTACHMENT L
San Jose Creek Water Reclamation Plant Potential Analysis and Limit Derivation (CA0053911)

San Jose Creek East Water Reclamation Plant for Outfall 002

CTR#	Pollutant	MEC	CTR WQC=C	Basin Plan WQC Title 22 GWR=C	Lowest C	MEC>C	B (Recv Wtr.), B>C	MEC>Title 22 GWR
7	Lead (Pb)	14	12.447348	No	12.44734803	YES	No	No
10	Selenium (Se)	1.2	5	50	5	No	YES (5.9>5)	No

San Jose Creek East&West Water Reclamation Plant for Outfall 001

CTR#	Pollutant	MEC	CTR WQC=C		Lowest C	MEC>C	B (Recv Wtr.), B>C	MEC>Title 22 GWR
				Copper TMDL				
6	Copper (Cu) East	6	17.155752	18	17.15575241	No	No	
6	Copper (Cu) West	6	17.155752	18	17.15575241	No	No	

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RPA	CV	ECA multiplier acute	ECA multiplier chronic	Water Quality-Based Effluent Limitation		
				ECAacute	ECACHRONICLE	LTAacute=ECA*ECAacute
YES (MEC > C)	3.0602823	0.091841	0.142050315	319.420236	12.44734803	29.33587385
YES (B > C)	0.3523083	0.478490525	0.676157608	NA	5	NA

San Jose Creek East&West Water Reclamation Plant for Outfall 001

RPA	CV	ECA multiplier acute	ECA multiplier chronic	Water Quality-Based Effluent Limitation		
				ECAacute	ECACHRONICLE	LTAacute=ECA*ECAacute
NO, but need limit	0.2688386	0.560149828	0.739111126	27.4051968	17.15575241	15.35101625
Copper TMDL						
NO, but need limit	0.3340863	0.494743895	0.689277344	27.4051968	17.15575241	13.55855378
Copper TMDL						

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						Human Health
LT _{Achronic} =E _{CA} *E _{CAchronic}	LT _{Alowest}	AMEL multiplier	MDEL multiplier	AMEL _{aquatic}	MDEL _{aquatic}	AMEL _{hh} =E _{CA}
1.768149713	1.76814971	3.332086194	10.8883832	5.891627247	19.25229164	NA
3.380788039	3.38078804	1.312959016	2.089905542	4.438836136	7.06552766	NA

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						Human Health
LT _{Achronic} =E _{CA} *E _{CAchronic}	LT _{Alowest}	AMEL multiplier	MDEL multiplier	AMEL _{aquatic}	MDEL _{aquatic}	AMEL _{hh} =E _{CA}
12.68000749	12.6800075	1.235130893	1.785236646	15.66146898	22.63681404	NA
11.82507145	11.8250715	1.295811252	2.021247783	15.32306064	23.90139945	NA

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MDELhh	Numerical Limitation		Recommendation
	Monthly Average	Daily Maximum	
NA	5.891627247	19.25229164	Need Limit. Based on FW Aq Life
NA	4.438836136	7.06552766	Need Limit. Based on FW Aq Life

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MDELhh	Numerical Limitation		Recommendation
	Monthly Average	Daily Maximum	
NA	15.66146898	22.63681404	Need Limit. Based on Copper TMDL
NA	15.32306064	23.90139945	Need Limit. Based on Copper TMDL