

<b>Dry Weather Metals Effluent Limitation for Discharge Point 005</b>											
CTR#	DATE	Units	CV	MEC	CTR CRITERIA				Basin Plan	Title 22 GWR	Lowest C
					Freshwater		Human Health				
					C acute = CMC tot	C chronic = CCC tot	NOT applicable C hh W&O	C hh O			
6	Copper*	µg/L	0.3	13	dry weather TMDL used chronic CTR criteria	30	1300	NONE		30	
7	Lead*	µg/L	1.2	1.4	dry weather TMDL used chronic CTR criteria	19	Narrative	Narrative		19	
10	Selenium	µg/L	0.6	<3	RESERVED	5	Narrative	Narrative	50	5	
<b>Wet Weather Metals Effluent Limitation for Discharge Point 005</b>											
CTR#	DATE	Units	CV	MEC	CTR CRITERIA				Basin Plan	Title 22 GWR	Lowest C
					Freshwater		Human Health				
					C acute = CMC tot	C chronic = CCC tot	NOT applicable C hh W&O	C hh O			
4	Cadmium*	µg/L	1.4	0.5	wet weather TMDL used acute criteria	3.1	Narrative	Narrative	5	3.1	
6	Copper*	µg/L	0.3	13	wet weather TMDL used acute criteria	17	1300	NONE		17	
7	Lead*	µg/L	1.2	1.4	wet weather TMDL used acute criteria	62	Narrative	Narrative		62	
13	Zinc*	µg/L	0.2	60	wet weather TMDL used acute criteria	159	none	NONE		159	

<b>REASONABLE POTENTIAL ANALYSIS (RPA)</b>							<b>HUMAN HEALTH CALCULATIONS</b>			<b>AQUATIC LIFE CALC</b>		
							<b>Organisms Only</b>			<b>Freshwater</b>		
<b>MEC &gt;= Lowest C</b>	<b>Tier 1 - Need limit?</b>	<b>B***</b>	<b>B&gt;C &amp; present in Effl.</b>	<b>Tier 2 - Need limit?</b>	<b>Tier 3 - other info. ?</b>	<b>Tier 3 - need limit?</b>	<b>AMELhh = ECA = C hh O</b>	<b>MDEL/ AMEL multiplier</b>	<b>MDEL hh</b>	<b>ECA acute multiplier (p.9)</b>	<b>LTA acute</b>	<b>ECA chronic multiplier</b>
NO	Go to Tier 2	14	NO	Go to tier 3	TMDL	yes	NONE		#VALUE!	0.527	N/A	0.715
No	Go to Tier 2	1	NO	Go to tier 3	TMDL	yes	Narrative		#VALUE!	0.174	N/A	0.321
NO	Go to Tier 2	0.7	NO	Go to tier 3	TMDL	yes	Narrative		#VALUE!	0.321	N/A	0.527
<b>REASONABLE POTENTIAL ANALYSIS (RPA)</b>							<b>HUMAN HEALTH CALCULATIONS</b>			<b>AQUATIC LIFE CALC</b>		
							<b>Organisms Only</b>			<b>Freshwater</b>		
<b>MEC &gt;= Lowest C</b>	<b>Tier 1 - Need limit?</b>	<b>B***</b>	<b>B&gt;C &amp; present in Effl.</b>	<b>Tier 2 - Need limit?</b>	<b>Tier 3 - other info. ?</b>	<b>Tier 3 - need limit?</b>	<b>AMELhh = ECA = C hh O</b>	<b>MDEL/ AMEL multiplier</b>	<b>MDEL hh</b>	<b>ECA acute multiplier (p.9)</b>	<b>LTA acute</b>	<b>ECA chronic multiplier</b>
NO	Go to Tier 2	0.6	NO	Go to tier 3	TNDL	yes	N/A		N/A	0.153	0.4743	0.281
NO	Go to Tier 2	14	NO	Go to tier 3	TMDL	yes	NONE		#VALUE!	0.527	8.959	0.715
No	Go to Tier 2	1	NO	Go to tier 3	TMDL	yes	Narrative		#VALUE!	0.174	10.788	0.321
NO	Go to Tier 2	80	NO	Go to tier 3	TMDL	yes	NONE		#VALUE!	0.643	102.237	0.797

CALCULATIONS		AQUATIC LIFE CALCULATIONS						PROPOSED LIMITS					
		Freshwater											
LTA chronic	Chronic LTA for dry TMDL	AMEL multiplier (n=4)	AMEL aq.life	MDEL multiplier (n=4)	MDEL aqlife	Lowest AMEL	Lowest MDEL	mass-based limits (AMEL)	mass-based limits (MDEL)				
21.45	21.45	1.26	27.027	1.9	40.755	27	41	3.63	5.47				
6.099	6.099	2.13	12.99087	5.76	35.13024	13	35	1.74	4.72				
2.635	2.635	1.55	4.08425	3.11	8.19485	4.1	8.2	0.55	1.10				
CALCULATIONS		AQUATIC LIFE CALCULATIONS						PROPOSED LIMITS					
		Freshwater											
LTA chronic	Wet TMDL based on Acute CTR	AMEL multiplier (n=4)	AMEL aq.life	MDEL multiplier (n=4)	MDEL aqlife	Lowest AMEL	Lowest MDEL	mass-based limits (AMEL)	mass-based limits (MDEL)				
N/A	0.4743	2.31	1.095633	6.56	3.111408	1.1	3.1	0.1	0.4				
N/A	8.959	1.26	11.28834	1.9	17.0221	11	17	1.5	2.3				
N/A	10.788	2.13	22.97844	5.76	62.13888	23	62	3.1	8.3				
#VALUE!	102.237	1.17	119.6173	1.55	158.4674	120	158	16.1	21.3				