

ATTACHMENT G – SUMMARY OF WQBELS CALCULATIONS

The WQBELS developed for this Order are summarized below and were calculated as described in the methodology summarized in Attachment F, Fact Sheet and are contained in Section IV.A.1.a of this Order.

Table G-1. Summary of WQBELS Calculations

CTR #	Parameter	Human Health Calculations			Aquatic Life Calculations										
		Organism Only			Most Stringent of Freshwater and Saltwater										
		AMEL HH = ECA = C HH only µg/L	MDEL/ AMEL multiplier	MDEL HH µg/L	ECA acute = C acute	ECA acute multiplier	LTA acute µg/L	ECA chronic = C chronic µg/L	ECA chronic multiplier	LTA chronic µg/L	Lowest LTA µg/L	AMEL multiplier 95	AMEL aquatic life	MDEL multiplier 99	MDEL aquatic life
6	Copper, Total Recoverable	--	--	--	42.9	0.14	5.12	21.66	0.26	5.73	5.12	2.40	17.5	6.93	42.9
7	Lead, Total Recoverable	--	--	--	23.7	0.32	91.95	11.16	0.53	5.89	5.89	1.55	11.8	3.11	23.7
10	Selenium				20	0.11	2.09	5.00	0.17	0.87	0.87	3.03	3.6	9.59	9.2
12	Thallium	6.3	2.01	12.64	--	--	--	--	--	--	--	1.55	--	3.11	--
13	Zinc, Total Recoverable	--	--	--	327.8	0.18	49.69	276.23	0.33	88.29	49.69	2.09	12.3	5.56	327.8
14	Cyanide	220,000	2.01	441,362	22	0.32	7.06	5.2	0.53	2.74	2.74	1.55	4.26	3.11	8.5
68	Bis (2-ethylhexyl) Phthalate	5.9	3.14	18.5	--	--	--	--	--	--	--	2.95	--	9.26	--

Table G-2 Summary of WQBELs Effluent Limitations

CTR #	Parameter	Effluent Limitations	
		AMEL	MDEL
		µg/L	µg/L
6	Copper, Total Recoverable	17.5	42.9
7	Lead, Total Recoverable	11.8	23.7
10	Selenium	3.6	9.2
12	Thallium	6.3	12.6
13	Zinc, Total Recoverable	123.3	327.8
14	Cyanide	4.3	8.5
68	Bis (2-ethylhexyl) Phthalate	5.9	18