

September 2014
Eagle Mine Site - WTP Effluent Monitoring

PARAMETER	BOD (mg/L)	Total Aluminum (µg/L)	Total Antimony (µg/L)	Total Arsenic (µg/L)	Total Arsenic (µg/L)	Total Barium (µg/L)	Total Beryllium (µg/L)	Total Boron (µg/L)	Total Cadmium (µg/L)	Total Cadmium (µg/L)	Total Chromium (µg/L)	Total Cobalt (µg/L)	Total Copper (µg/L)	Total Copper (µg/L)	Total Fluoride (µg/L)	Total Lead (µg/L)	Total Lithium (µg/L)	Total Manganese (µg/L)	Total Mercury (µg/L)	Total Molybdenum (µg/L)
CODE	310	1105	1097	1002	1002	1007	1012	1022	1027	1027	1034	1037	1042	1042	951	1051	1132	1055	71900	1062
Monitoring Point	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1
STAGE	1	1	1	1	U	1	1	1	1	U	1	1	1	U	1	1	1	1	1	1
1																				
2																				
3*	<2.0	<50	<1.0	<1.0		<5	<1.0	<20	<0.2		<1.0	<15	<1.0		<100	<1.0	<8.0	<5.0	<0.0005	<25
4																				
5																				
6																				
7																				
8																				
9**	<2.0			<1.0				<20	<0.2				<1.0						<0.0005	
10																				
11																				
12																				
13																				
14																				
15																				
16**	<2.0			<1.0				<20	<0.2				<1.0						<0.0005	
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				
25																				
26																				
27																				
28																				
29																				
30**	<2.0			<1.0	<1.0			<20	<0.2	<0.2			<1.0	<1.0					<0.0005	

* Monthly composite parameters collected.

** Weekly composite parameters collected.

Results reported on September 30th for Stage U parameters (arsenic, cadmium, copper, selenium, silver) are average monthly concentrations.

Days in which effluent was not discharged, but influent was noted, all water was recirculated in the system.

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PARAMETER	Total Nickle (µg/L)	Total Potassium (µg/L)	Total Selenium (µg/L)	Total Selenium (µg/L)	Total Silver (µg/L)	Total Silver (µg/L)	Total Strontium (µg/L)	Total Thallium (µg/L)	Total Vanadium (µg/L)	Total Zinc (µg/L)	Total Sulfate (mg/L)	Total Iron (µg/L)	pH (minimum)	pH (maximum)	Dissolved Oxygen (mg/L)	Ammonia Nitrogen (mg/L)	Nitrate Nitrogen (mg/L)	Nitrite Nitrogen (mg/L)	Total Sodium (mg/L)	Total Chloride (mg/L)
CODE	1067	937	1147	1147	1077	1077	1082	1059	1087	1092	81020	1045	99991	99992	300	90002	620	90004	90005	90006
Monitoring Point	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1	EQ-1
STAGE	1	1	1	U	U	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1																				
2													7.1	8.0						
3*	<2.0	<200	<1.0			<0.2	<5.0	<2.0	<1.0	<10	<5.0	<50	7.3	7.9	9.0	0.16	<0.05	<0.05	3.1	<1.0
4													7.3	8.0						
5													7.4	8.0						
6													7.2	7.9						
7													7.3	8.0						
8													7.2	8.2						
9**			<1.0			<0.2							7.1	8.4						
10													7.0	7.7						
11													7.2	7.5						
12													7.3	7.7						
13													7.5	7.6						
14													7.5	7.6						
15													7.2	7.8						
16**			<1.0			<0.2							7.3	7.7						
17													7.2	7.9						
18													7.2	7.9						
19													7.1	8.4						
20													7.1	7.8						
21																				
22																				
23																				
24																				
25																				
26																				
27																				
28													7.9	8.1						
29													7.5	8.4						
30**			1.0	0.25	<0.2	<0.2							7.4	8.5						

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PARAMETER	Total Phosphorus (mg/L)	Specific Conductance (µmhos/cm)	Effluent Flow (US GPD)	Effluent Flow (US GPY)	Influent Flow (US GPD)	Land Application Rate (gal/sq ft)
CODE	90007	90019	90027	90028	50050	90010
Monitoring Point	EQ-1	EQ-1	EQ-1	EQ-1	IF-1	LA-1
STAGE	1	1	1	1	G	G3
1			0	28147555	86130	0.00
2		15	144049	28291604	202257	1.18
3*	<0.01	15	198295	28489899	274022	1.62
4		16	166188	28656087	237648	1.36
5		21	134368	28790455	193071	1.10
6		22	87859	28878314	138460	0.72
7		25	42252	28920566	116640	0.35
8		31	66988	28987554	115088	0.55
9**		22	91550	29079104	154834	0.75
10		21	171301	29250405	229525	1.40
11		21	199234	29449639	274025	1.63
12		25	201552	29651191	273189	1.65
13		29	202503	29853694	274024	1.65
14		24	158703	30012397	229621	1.30
15		26	92066	30104463	118254	0.75
16**		21	205151	30309614	274024	1.68
17		24	185689	30495303	268782	1.52
18		28	136000	30631303	187346	1.11
19		45	52580	30683883	175300	0.43
20		14	19806	30703689	91504	0.16
21			0	30703689	109349	0.00
22			0	30703689	194289	0.00
23			0	30703689	140099	0.00
24			0	30703689	205195	0.00
25			0	30703689	118800	0.00
26			0	30703689	107494	0.00
27			0	30703689	119789	0.00
28		44	70755	30774444	197354	0.58
29		20	203542	30977986	274025	1.66
30**		20	189784	31167770	274029	1.55