

Vertex Minerals Limited Pollutant Testing Table 2022-23										
Monitoring Requirements Amalgamated: Quarterly during discharge										
Pollutant	Unit of Measure	1/06/2022	7/09/2022	13/12/2022	23/03/2023		Lowest Sample	Mean Sample	Highest Sample	100 percentile concentration limit
Alkalinity (as calcium carbonate)	milligrams per litre	179	187	197	200		179	190.75	200	
Arsenic (total)	milligrams per litre	0.002	0.002	0.002	0.001		0.001	0.00175	0.002	
Cadmium (total)	milligrams per litre	<0.0001	<0.0001	<0.0001	<0.0001		<0.0001	<0.0001	<0.0001	
Calcium	milligrams per litre	56	76	66	69		56	66.75	76	
Chloride	milligrams per litre	81	77	84	93		77	83.75	93	
Chromium (total)	milligrams per litre	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	
Copper (total)	milligrams per litre	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	
Electrical conductivity@25 C	microsiemens per centimetre	839	890	913	888		839	882.5	913	
Iron	milligrams per litre	<0.05	<0.05	<0.05	<0.05		<0.05	<0.05	<0.05	
Lead (total)	milligrams per litre	<0.001	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	
Magnesium	milligrams per litre	35	37	36	41		35	37.25	41	
Mercury (total)	milligrams per litre	<0.0001	<0.0001	<0.0001	<0.0001		<0.0001	<0.0001	<0.0001	
Nickel (total)	milligrams per litre	0.003	0.001	0.001	0.002		0.001	0.00175	0.003	
Oil and Grease	milligrams per litre	<5	<5	<5	<5		<5	<5	<5	10
pH Value	pH	8.2	8.3	8.3	8.3		8.2	8.275	8.3	6.5-8.5
Potassium	milligrams per litre	2	3	4	3		2	3	4	
Sodium	milligrams per litre	48	51	53	61		48	53.25	61	
Sulfate as SO4 - Turbidimetric	milligrams per litre	132	148	150	157		132	146.75	157	
Total suspended solids	milligrams per litre	1	<1	2	2		<1	1.5	2	50
Zinc (total)	milligrams per litre	0.007	<0.005	<0.005	<0.005		<0.005	0.0055	0.007	