

Table 1 – Toxicity Results (2020 October to December)

WNSL-W1-2311.02/2021 Appendix B.1 Phase 1 Release Limits for Liquid Effluent		Monthly Results from Sample Analysis		
Parameter	Monthly Average Limits	2020 October	2020 November	2020 December
Toxicity Testing	Effluent cannot be toxic	PASS	2020 November 17 – FAIL; 2020 November 23 – PASS	PASS

Table 2 – Effluent Results (2020 October to December)

Parameter	Units	Action Levels	Release Limit (monthly mean)	Release Limit (weekly composite)	Maximum Weekly Results			Monthly Average		
					October	November	December	October	November	December
Radium-226	Bq/L	0.05	0.37	0.74	0.009	<0.005	<0.005	<0.007	<0.005	<0.005
Total Arsenic (As)	µg/L	50	100	200	6.8	3.2	2.7	5.3	3.1	2.3
Total Cadmium (Cd)	µg/L	1	1	2	0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Total Cobalt (Co)	µg/L	5	5	10	0.49	0.22	0.16	0.39	0.22	0.15
Total Copper (Cu)	µg/L	5	5	10	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Total Molybdenum (Mo)	µg/L	50	-	-	2.07	0.81	1.08	1.58	0.78	0.78
Total Phosphorus (P)	mg/L	0.35	0.35	0.7	0.026	<0.003	0.019	0.026	<0.003	0.016
Total Selenium (Se)	µg/L	20	30	60	<0.04	0.06	<0.04	<0.04	<0.05	<0.04
Total Thallium (Tl)	µg/L	0.5	8	16	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Total Uranium (U)	µg/L	100	100	200	2.37	0.94	0.71	1.90	0.92	0.62
Total Vanadium (V)	µg/L	5	40	80	0.14	0.08	0.11	0.11	0.075	0.075
Total Ammonia-N	mg/L	5.75	5.75	11.5	<0.04	0.09	0.06	<0.04	0.08	<0.05
Nitrite (NO ₂)	mg/L	1.5	1.5	3	0.04	0.04	0.03	0.035	<0.035	<0.03
Nitrate (NO ₃)	mg/L	75	75	150	<0.06	0.07	<0.06	<0.06	<0.065	<0.06
pH	pH	6.5-8.5	6-9.5	<6 or >9.5	7.57	7.81	7.48	7.46	7.49	7.43
Total Suspended Solids	mg/L	15	15	30	<1	<1	2	<1	<1	<1.5

Notes: "<" denotes results were below minimum detection limit