



Table 1: Toxicity Results (2019 January to March)

WNSL-W1-2311.01/2021 Appendix B.1 Phase 1 Release Limits for Liquid Effluent		Monthly Results from Sample Analysis		
Parameter	Monthly Average Limits	2019 January	2019 February	2019 March
Toxicity Testing	Effluent cannot be toxic	PASS	PASS	PASS

Table 2: Effluent Results (2019 January to March)

Parameter	Units	Action Levels	Release Limit (monthly mean)	Release Limit (weekly composite)	Maximum Weekly Results			Monthly Average		
					January	February	March	January	February	March
Radium-226	Bq/L	0.05	0.37	0.74	0.013	0.018	0.0050	<0.0066	0.013	<0.0050
Total Arsenic (As)	µg/L	50	100	200	14	18	8.8	10.3	14.5	6.6
Total Cadmium (Cd)	µg/L	1	1	2	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Total Cobalt (Co)	µg/L	5	5	10	<0.50	0.63	<0.50	<0.50	0.55	<0.50
Total Copper (Cu)	µg/L	5	5	10	<1.0	1.4	<1.0	<1.0	1.2	<1.0
Total Molybdenum (Mo)	µg/L	50	-	-	6.8	9.1	3.8	5.0	7.1	2.4
Total Phosphorus (P)	mg/L	0.35	0.35	0.7	<0.020	<0.020	0.023	<0.020	<0.020	<0.021
Total Selenium (Se)	µg/L	20	30	60	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Total Thallium (Tl)	µg/L	0.5	8	16	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Total Uranium (U)	µg/L	100	100	200	16	22	9.7	11.4	14.4	6.7
Total Vanadium (V)	µg/L	5	40	80	0.63	1.2	1.1	0.54	0.75	0.67
Total Ammonia-N	mg/L	5.75	5.75	11.5	0.42	0.45	0.23	0.21	0.34	0.16
Nitrite (NO ₂)	mg/L	1.5	1.5	3	0.027	0.031	0.076	0.018	0.025	0.041
Nitrate (NO ₃)	mg/L	75	75	150	2.60	2.76	0.99	1.91	2.31	0.57
pH	pH	6.5-8.5	6-9.5	<6 or >9.5	7.79	7.82	7.55	7.70	7.71	7.36
Total Suspended Solids	mg/L	15	15	30	<1	1	1	<1	<1	1

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