

Table 1 - Toxicity Results (2020 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	2020 January	2020 February	2020 March
Toxicity Testing	Effluent cannot be toxic	PASS	PASS	PASS

Table 2 - Effluent Results (2020 January to March)

Parameter	Units	Action Levels	Release Limit	Release Limit	Maximum Weekly Results			Monthly Average		
					January	February	March	January	February	March
Radium-226	Bq/L	0.05	0.37	0.74	0.007	0.01	<0.0050	0.0058	0.0075	<0.0050
Total Arsenic (As)	µg/L	50	100	200	3.3	7.9	5.5	2.43	4.45	2.62
Total Cadmium	µg/L	1	1	2	0.006	0.01	<0.10	<0.006	0.0048	<0.10
Total Cobalt (Co)	µg/L	5	5	10	0.385	1.06	0.81	0.31	0.56	<0.56
Total Copper (Cu)	µg/L	5	5	10	0.7	0.8	<1.0	0.45	0.53	<1.0
Total	µg/L	50	-	-	1.68	4.54	2.9	1.28	2.43	1.11
Total Phosphorus	mg/L	0.35	0.35	0.7	0.007	0.017	0.03	0.004	0.008	<0.022
Total Selenium	µg/L	20	30	60	<0.04	0.06	<2.0	<0.04	0.045	<2.0
Total Thallium (Tl)	µg/L	0.5	8	16	0.005	0.012	<0.050	0.005	0.009	<0.050
Total Uranium (U)	µg/L	100	100	200	4.43	10.5	6.8	3.06	6.04	2.56
Total Vanadium	µg/L	5	40	80	0.08	0.19	<0.50	0.063	0.11	<0.50
Total Ammonia-N	mg/L	5.75	5.75	11.5	0.09	0.36	2.3	0.068	0.19	0.73
Nitrite (NO ₂)	mg/L	1.5	1.5	3	0.14	0.1	0.186	0.11	0.095	0.072
Nitrate (NO ₃)	mg/L	75	75	150	1.22	3.98	0.85	0.9	1.92	0.51
pH	pH	6.5-8.5	6-9.5	<6 or >9.5	8.26	7.8	7.76	7.98	7.76	7.63
Total Suspended	mg/L	15	15	30	1	<1	<1	<1	<1	<1

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