

2022 July 13

**Table 1 – Toxicity Results (2022 April to June)**

WNSL-W1-2311.00/2022 Appendix B.1 Phase 1 Release Limits for Liquid Effluent		Monthly Results from Sample Analysis		
Parameter	Monthly Average Limits	April	May	June
Toxicity Testing	Effluent cannot be toxic	PASS	PASS	PASS

**Table 2 – Effluent Results (2022 April to June)**

Parameter	Units	Action Levels	Release Limit (monthly mean)	Release Limit (weekly composite)	Maximum Weekly Results			Monthly Average		
					April	May	June	April	May	June
Radium-226	Bq/L	0.05	0.37	0.74	0.005	0.005	0.006	0.005	0.005	0.005
Total Arsenic (As)	µg/L	50	100	200	8.3	12.4	17.8	7.5	9.7	13.1
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	0.20	0.28	0.4	0.19	0.24	0.22
Total Copper (Cu)	µg/L	5	5	10	1.00	0.40	0.20	0.40	0.25	0.20
Total Molybdenum	µg/L	50	-	-	1.0	1.2	1.2	0.94	1.0	0.80
Total Phosphorus (P)	mg/L	0.35	0.35	0.7	0.02	0.02	0.02	0.02	0.02	0.02
Total Selenium (Se)	µg/L	20	30	60	0.04	0.04	0.04	0.04	0.04	0.04
Total Thallium (Tl)	µg/L	0.5	8	16	0.005	0.01	0.005	0.005	0.005	0.005
Total Uranium (U)	µg/L	100	100	200	2.0	2.7	2.7	1.9	2.0	2.1
Total Vanadium (V)	µg/L	5	40	80	0.12	0.18	0.27	0.11	0.15	0.21
Total Ammonia-N	mg/L	5.75	5.75	11.5	0.13	0.07	0.18	0.08	0.06	0.13
Nitrite (NO <sub>2</sub> )	mg/L	1.5	1.5	3	0.06	0.03	0.06	0.06	0.03	0.04
Nitrate (NO <sub>3</sub> )	mg/L	75	75	150	0.06	0.06	0.18	0.06	0.06	0.08
pH	pH	6.5-8.5	6-9.5	<6 or >9.5	7.55	7.49	7.46	7.22	7.15	7.32
Total Suspended Solids	mg/L	15	15	30	2.0	1.0	1.0	1.3	1.0	1.0

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