

2022 October 24

Table 1 – Toxicity Results (2022 July to September)

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

Table 2 – Effluent Results (2022 July to September)

Parameter	Units	Action Levels	Release Limit (monthly mean)	Release Limit (weekly composite)	Maximum Weekly Results			Monthly Average		
					July	August	September	July	August	September
Radium-226	Bq/L	0.05	0.37	0.74	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Total Arsenic (As)	µg/L	50	100	200	12.6	14.9	14.0	<12.6	14.1	12.4
Total Cadmium (Cd)	µg/L	1	1	2	<0.003	0.007	0.003	<0.003	0.005	<0.003
Total Cobalt (Co)	µg/L	5	5	10	0.17	0.11	0.05	0.14	0.08	0.04
Total Copper (Cu)	µg/L	5	5	10	<0.2	<0.2	0.20	<0.2	<0.2	<0.20
Total Molybdenum (Mo)	µg/L	50	-	-	1.28	1.4	1.2	1.11	1.1	0.90
Total Phosphorus (P)	mg/L	0.35	0.35	0.7	0.02	0.02	0.01	0.02	0.01	0.01
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	<0.005	<0.005	<0.005	<0.005	<0.005
Total Uranium (U)	µg/L	100	100	200	2.7	4.3	3.7	2.2	3.5	2.9
Total Vanadium (V)	µg/L	5	40	80	0.24	0.17	0.12	0.20	0.14	0.11
Total Ammonia-N	mg/L	5.75	5.75	11.5	0.10	0.12	<0.04	0.07	0.08	<0.04
Nitrite (NO ₂)	mg/L	1.5	1.5	3	<0.04	0.07	<0.03	<0.04	<0.04	<0.03
Nitrate (NO ₃)	mg/L	75	75	150	<0.06	0.16	<0.06	<0.06	<0.08	<0.06
pH	pH	6.5-8.5	6-9.5	<6 or >9.5	7.46	7.48	7.41	7.22	7.24	7.19
Total Suspended Solids	mg/L	15	15	30	1.0	1.0	1.0	<1.0	<1.0	<1.0

Denotes: "<" denotes some or all results were below minimum detection limit