



Table 1: Toxicity Results (2019 July to September)

WNSL-W1-2311.02/2021 Phase 1 Release Limits for Liquid Effluent		Monthly Results from Sample Analysis		
Parameter	Monthly Average Limits	2019 July	2019 August	2019 Sept
Toxicity Testing	Effluent cannot be toxic	PASS	PASS	PASS

Table 2: Effluent Results (2019 July to September)

Parameter	Units	Action Levels	Release Limit (monthly mean)	Release Limit (weekly composite)	Maximum Weekly Results			Monthly Average		
					July	August	Sept	July	August	Sept
Radium-226	Bq/L	0.05	0.37	0.74	0.11	0.016	<0.0050	0.038	<0.0078	<0.0050
Total Arsenic (As)	µg/L	50	100	200	97	13	14	39.1	8.8	9.2
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	3	<0.50	<0.50	1.24	<0.50	<0.50
Total Copper (Cu)	µg/L	5	5	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Total Molybdenum (Mo)	µg/L	50	-	-	54	5.6	6.5	21	3.7	4.3
Total Phosphorus (P)	mg/L	0.35	0.35	0.7	0.089	<0.020	<0.020	0.041	<0.020	<0.020
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	0.061	<0.050	<0.050	<0.052	<0.050	<0.050
Total Uranium (U)	µg/L	100	100	200	160	13	12	56.8	7.5	8.8
Total Vanadium (V)	µg/L	5	40	80	4	0.61	0.77	1.65	0.54	<0.57
Total Ammonia-N	mg/L	5.75	5.75	11.5	0.5	0.06	0.21	0.13	0.043	0.11
Nitrite (NO ₂)	mg/L	1.5	1.5	3	0.21	0.34	0.29	0.067	0.25	0.23
Nitrate (NO ₃)	mg/L	75	75	150	5.17	5.32	3.21	3.13	3.35	2.69
pH	pH	6.5-8.5	6-9.5	<6 or >9.5	8.03	7.96	8.06	7.72	7.85	7.94
Total Suspended Solids	mg/L	15	15	30	<1	<1	<1	<1	<1	<1

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