



Table 1– 2018 July to September Toxicity Results

WNSL-W1-2311.01/2021 Appendix B.1 Phase 1 Release Limits for Liquid Effluent		Monthly Results from Sample Analysis		
Parameter	Monthly Average Limits	2018 July	2018 August	2018 September
Toxicity Testing	Effluent cannot be toxic	PASS	PASS	PASS

Table 2– 2018 July to September Effluent Results

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	0.011	0.013	0.007	<0.006	0.0083	<0.006
Total Arsenic (As)	µg/L	50	100	200	25	46	37	20	35.5	25.5
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	0.69	0.54	<0.50	<0.55	<0.51
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	-	-	9.5	19	16	7.32	14	10.9
Total Phosphorus (P)	mg/L	0.35	0.35	0.7	<0.020	0.024	<0.020	<0.020	0.0215	<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	0.065	0.080	0.058	0.056	0.066	<0.053
Total Uranium (U)	µg/L	100	100	200	15	23	21	11.3	17.5	14.3
Total Vanadium (V)	µg/L	5	40	80	0.98	1.3	1.2	0.876	1.058	0.865
Total Ammonia-N	mg/L	5.75	5.75	11.5	0.02	0.030	0.060	0.022	0.020	0.033
Nitrite (NO ₂)	mg/L	1.5	1.5	3	0.026	0.034	0.228	0.016	0.026	0.069
Nitrate (NO ₃)	mg/L	75	75	150	6.61	11.1	7.65	5.40	8.94	5.33
pH	pH	6.5-8.5	6-9.5	<6 or >9.5	7.71	7.87	7.86	7.61	7.85	7.79
Total Suspended Solids	mg/L	15	15	30	2.0	<1	<1	<1.2	<1	<1

Notes: