

Table 1

WNSL-W1-2311.01/2022 Appendix B Phase 1 Release Limits for Liquid Effluent		Monthly Mean Concentration Results from Sample Analysis		
Parameter	Maximum Monthly Mean Concentration	2016 April ¹	2016 May ¹	2016 June ²
Radium-226 (Bq/L)	0.37	0.040	0.020	0.019
Arsenic (mg/L)	0.50	0.0034	0.0041	0.0041
pH	Between 6 and 9	7.69	7.90	7.76
Toxicity Testing	Effluent cannot be toxic	PASS ⁴	PASS ³	PASS ⁴

1 – Based on analyses of four samples

2 – Based on analyses of two samples

3 – Toxicity testing results based on one monthly sample

4 - Toxicity testing results based on two monthly samples

Table 2 – Early Works Excavation Activities Sampling Results

WNSL-W1-2311.01/2022 Appendix B Phase 1 Release Limits for Liquid Effluent		Weekly Concentration Results from Sample Analysis									
Parameter	Maximum Monthly Mean Concentration	2016 Apr 06	2016 Apr 13	2016 Apr 20	2016 Apr 27	2016 May 4	2016 May 11	2016 May 18	2016 May 25	2016 June 1 ^{3,4}	2016 Jun 15 ⁴
Uranium (mg/L)	N/A ¹	0.150	0.140	0.160	0.170	0.160	0.160	0.120	0.130	0.110	0.120
Radium-226 (Bq/L)	0.37	0.067	0.026	0.039	0.026	0.020	0.025	0.022	0.013	0.023	0.015
Arsenic (mg/L)	0.50	0.0043	0.003	0.003	0.0033	0.0029	0.0042	0.0041	0.0053	0.0072	0.001
pH	Between 6 and 9	7.63	7.74	7.70	7.69	7.79	7.98	7.95	7.87	7.74	7.78
Toxicity Testing ²	Effluent cannot be toxic	PASS	N/A	PASS	N/A	N/A	N/A	PASS	N/A	PASS	PASS

1 - There is currently no effluent release limit for Uranium.

2 - Toxicity sampling is completed twice a month.

3 - The sample for the last week of May was taken on the first day of June, but is representative of the last week of operation during May.

4 - The water treatment system at the Welcome WMF was shut off for one week after the June 1st sample had been taken, enabled the week of the 8th-15th and shut off for the remainder of June due to low influent water levels.