

Table 1 – 2016 July to September Effluent and Toxicity Results

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 July ¹	2016 August ²	2016 September ³
Radium-226 (Bq/L)	0.37	0.014	-	0.081
Arsenic (mg/L)	0.50	0.037	-	0.052
pH	Between 6 and 9	7.58	-	7.78
Toxicity Testing	Effluent cannot be toxic	PASS ⁴	-	PASS ⁵

1 – Based on analyses of one sample

2 – System off for the month

3 – Based on analysis of two samples

4 – Toxicity testing results based on one monthly sample

5 - 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 ³			
	Parameter	Maximum Monthly Mean Concentration	2016 July 20	2016 Sept 7
Uranium (mg/L)	N/A ¹	0.11	0.14	0.11
Radium-226 (Bq/L)	0.37	0.014	0.093	0.069
Arsenic (mg/L)	0.50	0.037	0.064	0.039
pH	Between 6 and 9	7.58	7.96	7.59
Toxicity Testing ²	Effluent cannot be toxic	PASS	PASS	PASS

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

2 - Toxicity sampling is completed twice a month when possible.

3 - The water treatment system at the Welcome WMF was shut off intermittently throughout Q3 due to low influent levels