

**Table 1 – 2017 July to September Effluent and Toxicity Results**

<b>WNSL-W1-2311.01/2022 Appendix B Phase 1 Release Limits for Liquid Effluent</b>		<b>Monthly Mean Concentration Results from Sample Analysis</b>		
<b>Parameter</b>	<b>Maximum Monthly Mean Concentration</b>	<b>2017 July <sup>1</sup></b>	<b>2017 August <sup>2</sup></b>	<b>2017 Sept <sup>1</sup></b>
Radium-226 (Bq/L)	0.37	<0.005	<0.005	<0.005
Arsenic (mg/L)	0.50	<0.0015	<0.0069	<0.0021
pH	Between 6 and 9	7.19	7.32	7.58
Toxicity Testing <sup>3</sup>	Effluent cannot be toxic	PASS	PASS	PASS

1 – Based on analyses of four samples

2 – Based on analyses of five samples

3 – Toxicity testing results based on two monthly samples

**Table 2 – Early Works Excavation Activities Sampling Results – July**

<b>WNSL-W1-2311.01/2022 Appendix B Phase 1 Release Limits for Liquid Effluent</b>	<b>Weekly Concentration Results from Sample Analysis July</b>				
	<b>Maximum Monthly Mean Concentration</b>	<b>2017 July 04</b>	<b>2017 July 11</b>	<b>2017 July 18</b>	<b>2017 July 25</b>
Uranium (mg/L)	N/A <sup>1</sup>	0.00043	0.00043	0.00058	0.00056
Radium-226 (Bq/L)	0.37	<0.005	<0.005	<0.005	<0.005
Arsenic (mg/L)	0.50	<0.0010	<0.0010	<0.0015	<0.0016
pH	Between 6 and 9	7.30	7.22	7.17	7.17
Toxicity Testing <sup>2</sup>	Effluent cannot be toxic	PASS	PASS	N/A	N/A

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

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

**Table 3 – Early Works Excavation Activities Sampling Results – August**

WNSL-W1-2311.01/2022 Appendix B Phase 1 Release Limits for Liquid Effluent	Weekly Concentration Results from Sample Analysis August					
	Parameter	Maximum Monthly Mean Concentration	2017 Aug 01	2017 Aug 08	2017 Aug 15	2017 Aug 22
Uranium (mg/L)	N/A <sup>1</sup>	0.00040	0.00092	0.0011	0.00090	0.0018
Radium-226 (Bq/L)	0.37	<0.005	<0.005	<0.005	<0.005	<0.005
Arsenic (mg/L)	0.50	<0.0014	<0.0065	<0.0070	<0.0061	<0.0083
pH	Between 6 and 9	7.21	7.40	7.20	7.33	7.33
Toxicity Testing <sup>2</sup>	Effluent cannot be toxic	PASS	PASS	N/A	N/A	N/A

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

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

**Table 4 – Early Works Excavation Activities Sampling Results – September**

WNSL-W1-2311.01/2022 Appendix B Phase 1 Release Limits for Liquid Effluent	Weekly Concentration Results from Sample Analysis September				
	Parameter	Maximum Monthly Mean Concentration	2017 Sept 05	2017 Sept 12	2017 Sept 19
Uranium (mg/L)	N/A <sup>1</sup>	0.00018	0.00013	0.00014	0.00018
Radium-226 (Bq/L)	0.37	<0.005	<0.005	<0.005	<0.005
Arsenic (mg/L)	0.50	<0.0034	<0.0016	<0.0018	<0.0018
pH	Between 6 and 9	7.56	7.58	7.60	7.58
Toxicity Testing <sup>2</sup>	Effluent cannot be toxic	PASS	PASS	N/A	N/A

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

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