

Table 1 – 2017 April to June 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	2017 April ¹	2017 May ²	2017 June ¹
Radium-226 (Bq/L)	0.37	<0.005	<0.005	<0.005
Arsenic (mg/L)	0.50	<0.0010	<0.0010	<0.0010
pH	Between 6 and 9	7.47	7.45	7.48
Toxicity Testing	Effluent cannot be toxic	PASS ³	PASS ³	PASS ³

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 – April

WNSL-W1-2311.01/2022 Appendix B Phase 1 Release Limits for Liquid Effluent	Weekly Concentration Results from Sample Analysis April				
	Maximum Monthly Mean Concentration	2017 Apr 04	2017 Apr 11	2017 Apr 18	2017 Apr 25
Uranium (mg/L)	N/A ¹	0.00061	0.00068	0.00060	0.00060
Radium-226 (Bq/L)	0.37	<0.005	<0.005	<0.005	<0.005
Arsenic (mg/L)	0.50	<0.0010	<0.0010	<0.0010	<0.0010
pH	Between 6 and 9	7.51	7.42	7.40	7.53
Toxicity Testing ²	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 – May

WNSL-W1-2311.01/2022 Appendix B Phase 1 Release Limits for Liquid Effluent	Weekly Concentration Results from Sample Analysis May					
	Maximum Monthly Mean Concentration	2017 May 02	2017 May 09	2017 May 16	2017 May 23	2017 May 30
Uranium (mg/L)	N/A ¹	0.00062	0.00045	0.00035	0.00048	0.00038
Radium-226 (Bq/L)	0.37	<0.005	<0.005	<0.005	<0.005	<0.005
Arsenic (mg/L)	0.50	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
pH	Between 6 and 9	7.53	7.35	7.56	7.47	7.43
Toxicity Testing ²	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 – June

WNSL-W1-2311.01/2022 Appendix B Phase 1 Release Limits for Liquid Effluent	Weekly Concentration Results from Sample Analysis June				
	Maximum Monthly Mean Concentration	2017 Jun 06	2017 Jun 13	2017 Jun 20	2017 Jun 27
Uranium (mg/L)	N/A ¹	0.00045	0.00042	0.00074	0.00067
Radium-226 (Bq/L)	0.37	<0.005	<0.005	<0.005	<0.005
Arsenic (mg/L)	0.50	<0.0010	<0.0010	<0.0010	<0.0010
pH	Between 6 and 9	7.39	7.46	7.53	7.52
Toxicity Testing ²	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.