

Port Granby Long-Term Waste Management Facility

2023 February 09

**Table 1 – Toxicity Results (2022 October to December)**

WNSL-W1-2311.00/2022 Appendix B.1 Phase 1 Release Limits for Liquid Effluent		Monthly Results from Sample Analysis		
Parameter	Monthly Average Limits	October	November	December
Toxicity Testing	Effluent cannot be toxic	PASS	PASS	PASS

**Table 2 – Effluent Results (2022 October to December)**

Parameter	Units	Action Levels	Release Limit (monthly mean)	Release Limit (weekly composite)	Maximum Weekly Results			Monthly Average		
					October	November	December	October	November	December
Radium-226	Bq/L	0.05	0.37	0.74	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Total Arsenic (As)	µg/L	50	100	200	14.3	16.0	14.1	13.3	14.1	13.6
Total Cadmium (Cd)	µg/L	1	1	2	<0.049	<0.015	<0.009	<0.020	<0.006	<0.005
Total Cobalt (Co)	µg/L	5	5	10	0.08	0.13	0.12	0.07	0.08	0.09
Total Copper (Cu)	µg/L	5	5	10	<0.20	<0.30	<0.50	<0.20	<0.22	<0.30
Total Molybdenum (Mo)	µg/L	50	-	-	1.01	2.1	1.2	0.94	1.2	1.02
Total Phosphorus (P)	mg/L	0.35	0.35	0.7	0.01	0.02	0.01	0.01	0.02	0.01
Total Selenium (Se)	µg/L	20	30	60	<0.29	<0.20	<0.07	<0.10	<0.07	<0.05
Total Thallium (Tl)	µg/L	0.5	8	16	<0.04	<0.005	<0.005	<0.01	<0.005	<0.005
Total Uranium (U)	µg/L	100	100	200	3.8	3.8	3.1	3.4	3.0	2.6
Total Vanadium (V)	µg/L	5	40	80	0.10	0.10	0.08	0.10	0.08	0.08
Total Ammonia-N	mg/L	5.75	5.75	11.5	<0.04	<0.06	<0.07	<0.04	<0.05	<0.05
Nitrite (NO <sub>2</sub> )	mg/L	1.5	1.5	3	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06
Nitrate (NO <sub>3</sub> )	mg/L	75	75	150	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
pH	pH	6.5-8.5	6-9.5	<6 or >9.5	7.62	7.68	7.58	7.38	7.40	7.28
Total Suspended Solids	mg/L	15	15	30	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

Denotes: "<" denotes some or all results were below the minimum detection limit