

2023 May 23

Table 1 – Effluent Results (2023 January to March)

Parameter	Units	Action Level (Weekly Concentration Composite Sample)	Release Limit (Weekly Mean Concentration Composite Sample)	Release Limit (Monthly Mean Concentration Composite Sample)	Maximum Weekly Concentration Composite			Monthly Mean Concentration Composite Sample		
					January	February	March	January	February	March
Acute Toxicity	-	-	-	Cannot be toxic	-	-	-	PASS	PASS	PASS
Radium-226 (Ra)	Bq/L	0.05	0.74	0.37	<0.005	0.018	<0.005	<0.005	<0.0095	<0.005
Total Arsenic (As)	µg/L	50	200	100	11.1	13.3	13.4	8.9	12.0	12.6
Total Cadmium (Cd)	µg/L	1	2	1	0.009	<0.003	0.037	<0.005	<0.003	<0.010
Total Cobalt (Co)	µg/L	5	10	5	0.07	0.10	0.14	0.06	0.08	0.11
Total Copper (Cu)	µg/L	5	10	5	0.30	<0.20	<0.20	<0.25	<0.20	<0.20
Total Molybdenum (Mo)	µg/L	50	-	-	1.56	1.20	1.4	1.05	1.0	1.12
Total Phosphorus (P)	mg/L	0.35	0.7	0.35	0.02	0.03	0.03	0.02	0.03	0.03
Total Selenium (Se)	µg/L	20	60	30	<0.04	0.18	0.22	<0.04	<0.08	<0.10
Total Thallium (Tl)	µg/L	0.5	16	8	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Total Uranium (U)	µg/L	100	200	100	1.6	2.3	3.7	1.4	2.0	3.2
Total Vanadium (V)	µg/L	5	80	40	0.07	0.10	0.13	0.06	0.09	0.10
Total Ammonia-N (NH ₃)	mg/L	5.75	11.5	5.75	0.12	0.15	0.17	0.10	0.13	0.14
Nitrite (NO ₂)	mg/L	1.5	3	1.5	0.04	0.04	0.03	<0.03	<0.04	<0.03
Nitrate (NO ₃)	mg/L	75	150	75	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06
pH	pH	6.5-8.5	<6 or >9.5	6-9.5	7.34	7.68	7.52	7.02	7.38	7.36
Total Suspended Solids	mg/L	15	30	15	1.0	1.0	1.0	<1.0	<1.0	<1.0

Notes:

“<” denotes some or all results were below the minimum detection limit

Action levels and release limits for liquid effluent as defined in:

CNL, Port Granby Project Environmental and Biophysical Monitoring Plan, 4502-509247-PLA-001, Revision 2, 2022 September 30.