

2023 August 18

Table 1 – Effluent Results (2023 April to June)

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		
					April	May	June	April	May	June
Acute Toxicity	-	-	-	Cannot be toxic	-	-	-	PASS	PASS	PASS
Radium-226 (Ra)	Bq/L	0.05	0.74	0.37	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Total Arsenic (As)	µg/L	50	200	100	12.0	14.6	20.9	11.0	12.1	17.4
Total Cadmium (Cd)	µg/L	1	2	1	<0.003	0.029	0.062	<0.003	<0.008	<0.005
Total Cobalt (Co)	µg/L	5	10	5	0.11	0.16	0.16	0.10	0.11	0.15
Total Copper (Cu)	µg/L	5	10	5	0.40	<0.20	<0.20	<0.25	<0.20	<0.20
Total Molybdenum (Mo)	µg/L	50	-	-	1.07	1.2	1.3	0.93	0.9	1.27
Total Phosphorus (P)	mg/L	0.35	0.7	0.35	0.02	0.03	0.02	0.02	0.02	0.02
Total Selenium (Se)	µg/L	20	60	30	<0.04	0.05	<0.04	<0.04	<0.04	<0.04
Total Thallium (Tl)	µg/L	0.5	16	8	<0.005	0.019	<0.005	<0.005	<0.008	<0.005
Total Uranium (U)	µg/L	100	200	100	2.8	4.7	6.4	2.5	2.9	5.6
Total Vanadium (V)	µg/L	5	80	40	0.10	0.14	0.16	0.10	0.11	0.16
Total Ammonia-N (NH ₃)	mg/L	5.75	11.5	5.75	0.07	0.06	0.07	<0.06	<0.05	0.05
Nitrite (NO ₂)	mg/L	1.5	3	1.5	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Nitrate (NO ₃)	mg/L	75	150	75	1.37	<0.06	<0.06	<0.39	<0.06	<0.06
pH	pH	6.5-8.5	<6 or >9.5	6-9.5	7.25	7.51	7.85	7.12	7.31	7.68
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 are defined in:

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