



2025 January 22

Table 1 – Effluent Results (2024 October to December)

Parameter	Units	Action Level (Weekly Concentration Composite)	Release Limit (Weekly Mean Concentration)	Release Limit (Monthly Mean Concentration)	Maximum Weekly Concentration Composite Sample			Monthly Mean Concentration Composite Sample		
					October	November	December	October	November	December
Acute Toxicity	-	-	-	Cannot be toxic	-	-	-	PASS	NO EFF	PASS
Radium-226 (Ra)	Bq/L	0.05	0.74	0.37	<0.01	NO EFF	<0.01	<0.007	NO EFF	<0.01
Total Arsenic (As)	µg/L	50	200	100	5.1	NO EFF	1.3	3.9	NO EFF	1.2
Total Cadmium	µg/L	0.5	2	1	<0.09	NO EFF	<0.090	<0.032	NO EFF	<0.026
Total Cobalt (Co)	µg/L	5	10	5	<0.50	NO EFF	0.014	<0.17	NO EFF	0.012
Total Copper (Cu)	µg/L	5	10	5	<0.90	NO EFF	0.08	<0.43	NO EFF	<0.06
Total Molybdenum	µg/L	39	-	-	<0.50	NO EFF	0.28	<0.43	NO EFF	0.27
Total Phosphorus	mg/L	0.2	0.7	0.35	0.01	NO EFF	0.007	<0.005	NO EFF	0.006
Total Selenium (Se)	µg/L	0.5	60	30	<0.04	NO EFF	<0.04	<0.04	NO EFF	<0.04
Total Thallium (Tl)	µg/L	0.05	16	8	<0.005	NO EFF	<0.002	<0.004	NO EFF	<0.002
Total Uranium (U)	µg/L	50	200	100	2.4	NO EFF	1.3	2.1	NO EFF	1.1
Total Vanadium (V)	µg/L	5	80	40	<0.50	NO EFF	<0.20	<0.19	NO EFF	<0.20
Total Ammonia-N	mg/L	4.9	11.5	5.75	0.08	NO EFF	<0.05	<0.06	NO EFF	<0.05
Nitrite (NO ₂)	mg/L	1.5	3	1.5	<0.03	NO EFF	<0.10	<0.02	NO EFF	<0.03
Nitrate (NO ₃)	mg/L	32	150	75	<0.10	NO EFF	<0.10	<0.07	NO EFF	<0.10
pH	-	6.5 - 8.5	<6 or >9.5	6 - 9.5	7.63	NO EFF	7.23	7.37	NO EFF	7.18
Total Suspended Solids	mg/L	7.5	30	15	<1.0	NO EFF	<1.0	<1.0	NO EFF	<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 the *Environmental and Biophysical Monitoring Plan, Port Granby Project, 4502-509247-PLA-001*, Revision 4, 2024 November 04.
- NO EFF: No effluent was discharged to Lake Ontario during this period.