

April 29, 2026

Manager of Licensing
Nunavut Water Board
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Resource Management Officer, CIRNAC
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**RE: Water Licence 2AM-MRY2540 Monthly Surveillance Network Program (SNP) Report
March 2026**

The following is the monthly report for March 2026 as required under Part I, Item 19 of the Type 'A' Water Licence 2AM-MRY2540 (the Licence), which states:

"The Licensee shall submit to the Board, within thirty (30) days following the month being reported, a Monthly Monitoring Report. The Report shall include:

- a) All data and information required by this Part and generated by the Monitoring Program in the tables of Schedule I*
- b) An assessment of data to identify areas of non-compliance with regulated discharge parameters referred to in Part F"*

Monitoring Program

Table 1 presents a list of samples/monitoring conducted in March under the Licence at sites with discharge/flowing water conditions and the details concerning the collected water quality samples, including sample dates and laboratory identification numbers. Analytical water quality testing results are presented in Table 2. Table 3.1 presents water volumes consumed for domestic and industrial water purposes as well as select volumes of effluent and waste discharged and/or disposed of at the Mary River Mine Site and Milne Port during March 2026.

Monitoring Program Results

Water Sampling and Analysis Results

Table 2 provides the analytical results related to the Sewage Treatment Plant (STP) facilities. There were no exceedances of applicable water quality criteria observed at STP monitoring stations in March 2026. Due to frozen winter conditions, no other water samples were collected during the month of March.

On February 11, 2026, Milne Port STP MP-01B experienced a thermal event that necessitated a shutdown of the facility. Until repairs are completed and the plant is returned to service, wastewater is being redirected for treatment to STP MP-01 and may also be transported to the Polishing Water Stabilization Pond (PWSP) (MP-01A) for treatment as required.

Flow and Volume Measurements

Table 3.1 provides a breakdown of volume measurements for March 2026, as required by Part I, Item 6 of the Licence. There were no exceedances of the source-specific daily volume withdrawal limits in March 2026.

We trust that the information provided in this monthly report is acceptable. If you have any questions regarding this report, please contact the undersigned.

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Attachments

Attachments – Table 1, Table 2, Table 3.1



**Table 1.1: Monitoring Program
Water Sampling Summary**

Location	Location Description	Sample Date	Sample Type	Lab Sample ID
MP-01	Sewage Treatment Facility	2026-03-18	P	WT2606129-003
MS-01B	Sewage Treatment Facility	2026-03-18	P	WT2606132-002

Notes:

Sample Types:

P - Permitted Sample

FB - Field Blank

FD - Field Duplicate

TB - Trip Blank



**Table 2 : Water Quality Results for Water Licence
Monitoring Location - MP-01**

Location Name		MP-01
Sample Date & Time		2026-03-18 11:35
ALS Laboratory Work Order		WT2606129-003
Sample Type		P
Analyte	Units	
pH, Lab	pH units	7.69
Total Suspended Solids	mg/L	1.1
Total Dissolved Solids	mg/L	777
Turbidity	NTU	0.41
Alkalinity, Total	mg/L	84.5
Ammonia, Total (as N)	mg/L	0.05
Phosphorus, Nutrient	mg/L	5.75
Total Kjeldahl Nitrogen	mg/L	8.37
Fecal Coliforms	CFU/100mL	1
BOD	mg/L	< 2
Oil and Grease, Total	mg/L	< 5
Mean % Mortality - Daphnia magna	-	Not Acutely Toxic
Mean % Mortality - Rainbow Trout	-	Not Acutely Toxic
Visible Sheen, Field	-	No Visible Sheen

Notes:

Highlight indicate result exceeded applicable criteria.

Sample Type:

P-Permitted

FD-Field Duplicate

FB-Field Blank

TB-Trip Blank



**Table 2 : Water Quality Results for Water Licence
Monitoring Location - MS-01B**

			Location Name
			MS-01B
			Sample Date & Time
			2026-03-18 13:20
			ALS Laboratory Work Order
			WT2606132-002
			Sample Type
			P
Analyte	Units	Criteria	
pH, Lab	pH units	6.0 - 9.5	7.66
Total Suspended Solids	mg/L	30	< 1
Total Dissolved Solids	mg/L	-	806
Turbidity	NTU	-	0.45
Alkalinity, Total	mg/L	-	79.2
Ammonia, Total (as N)	mg/L	4	0.015
Phosphorus, Nutrient	mg/L	4	0.161
Total Kjeldahl Nitrogen	mg/L	-	3.51
Fecal Coliforms	CFU/100mL	1000	9
BOD	mg/L	30	< 2
Oil and Grease, Total	mg/L	-	< 5
Mean % Mortality - Daphnia magna	-	Not Acutely Toxic	Not Acutely Toxic
Mean % Mortality - Rainbow Trout	-	Not Acutely Toxic	Not Acutely Toxic
Visible Sheen, Field	-	No Visible Sheen	No Visible Sheen

Notes:

Highlight indicate result exceeded applicable criteria.

Sample Type:

P-Permitted

FD-Field Duplicate

FB-Field Blank

TB-Trip Blank

Table 3.1: Flow and Volume Measurements - Part I Item 11 - March 2026

DATE	Camp Lake Freshwater for Domestic Use - Daily Water MS-MRY-1 (m ³) ¹	Camp Lake Freshwater for Industrial Use - Daily Water MS-MRY-1 (m ³) ¹	Treated Sewage Effluent from MS-01 to Discharge Location #1 (m ³)	Treated Sewage Effluent from MS-01B to Discharge Location #1 (m ³)	Sewage Sludge Removed from Mine Site WWTPs to Incinerator or Disposal Offsite by Backhaul (m ³)	Sewage Sludge/Off-Spec Effluent Removed from Mine Site WWTPs to PWSP at Mine Site (m ³)	Sewage Sludge Removed from Lift Stations to PWSP at Mine Site (m ³)	Km 32 Lake Milne Port Camp Daily Water Use for Domestic Purposes MP-MRY-3 (m ³)	Km 32 Lake Milne Port Camp Daily Water Use for Industrial Purposes MP-MRY-3 (m ³)	Treated Sewage Effluent from MP-01 to Milne Inlet (m ³)	Treated Sewage Effluent from MP-01B to Milne Inlet (m ³)	Sewage Sludge Removed from Milne Port WWTPs to Incinerator or Disposal Offsite by Backhaul (m ³)	Sewage Sludge Removed from Lift Stations to PWSP at Milne Port (m ³)	Sludge Removed from Milne Port WWTPs/WTPs to PWSP at Milne Port (m ³)
1-Mar-26	94.2	0.0	0.0	101.3	0.2	0.0	0.0	57.5	0.0	41.0	0.0	0.1	0.0	0.0
2-Mar-26	102.7	15.8	0.0	111.0	0.0	0.0	0.0	50.9	0.0	37.0	0.0	0.1	0.0	0.0
3-Mar-26	111.8	9.9	0.0	97.5	0.0	0.0	0.0	46.2	0.0	41.0	0.0	0.0	0.0	0.0
4-Mar-26	108.5	8.3	0.0	113.2	0.2	0.0	0.0	47.0	0.0	30.0	0.0	0.0	0.0	0.0
5-Mar-26	121.9	15.9	0.0	120.3	0.2	0.0	0.0	49.5	0.0	30.0	0.0	0.1	0.0	0.0
6-Mar-26	104.1	6.3	0.0	126.6	0.2	0.0	0.0	36.0	0.0	35.0	0.0	0.1	0.0	0.0
7-Mar-26	94.0	0.0	0.0	125.5	0.0	12.0	8.0	50.8	0.0	32.0	0.0	0.1	0.0	0.0
8-Mar-26	77.5	4.2	0.0	70.4	0.2	10.0	6.0	54.4	0.0	28.0	0.0	0.1	0.0	0.0
9-Mar-26	78.1	13.5	0.0	73.7	0.2	0.0	0.0	30.2	0.0	24.0	0.0	0.1	0.0	0.0
10-Mar-26	130.9	11.1	0.0	85.0	0.2	0.0	0.0	69.0	0.0	30.0	0.0	0.1	0.0	0.0
11-Mar-26	104.8	0.0	0.0	100.4	0.2	0.0	0.0	35.3	2.0	39.0	0.0	0.1	0.0	0.0
12-Mar-26	81.6	5.2	0.0	106.9	0.2	0.0	0.0	41.1	19.0	30.0	0.0	0.1	0.0	0.0
13-Mar-26	83.1	14.4	0.0	90.6	0.3	0.0	0.0	28.3	0.0	34.0	0.0	0.1	0.0	0.0
14-Mar-26	76.9	26.5	0.0	86.2	0.2	0.0	0.0	48.8	57.0	32.0	0.0	0.1	0.0	0.0
15-Mar-26	83.8	0.0	0.0	84.0	0.4	0.0	0.0	49.6	0.0	37.0	0.0	0.1	0.0	0.0
16-Mar-26	119.2	13.4	0.0	86.9	0.4	0.0	0.0	38.0	0.0	35.0	0.0	0.1	0.0	0.0
17-Mar-26	77.8	35.0	0.0	102.6	0.3	0.0	0.0	33.0	0.0	38.0	0.0	0.1	0.0	0.0
18-Mar-26	91.3	0.0	0.0	93.9	0.0	0.0	0.0	59.4	0.0	38.0	0.0	0.0	0.0	0.0
19-Mar-26	92.4	0.0	0.0	89.8	0.2	0.0	0.0	36.8	0.0	42.0	0.0	0.1	0.0	0.0
20-Mar-26	77.8	20.4	0.0	81.5	0.2	0.0	0.0	45.5	39.0	38.0	0.0	0.1	0.0	0.0
21-Mar-26	88.6	0.0	0.0	85.8	0.3	0.0	0.0	52.6	0.0	37.0	0.0	0.1	0.0	0.0
22-Mar-26	88.8	7.0	0.0	89.6	0.3	0.0	0.0	43.8	0.0	33.0	0.0	0.1	0.0	0.0
23-Mar-26	77.6	24.0	0.0	88.9	0.3	0.0	0.0	40.7	0.0	38.0	0.0	0.1	0.0	0.0
24-Mar-26	87.0	5.2	0.0	89.8	0.3	0.0	0.0	43.6	4.0	43.0	0.0	0.0	0.0	0.0
25-Mar-26	107.5	0.0	0.0	95.4	0.4	0.0	0.0	49.2	0.0	38.0	0.0	0.0	0.0	0.0
26-Mar-26	95.1	0.0	0.0	96.7	0.4	0.0	0.0	24.0	0.0	42.0	0.0	0.0	0.0	0.0
27-Mar-26	95.0	0.0	0.0	85.9	0.4	0.0	0.0	70.9	0.0	43.0	0.0	0.1	0.0	0.0
28-Mar-26	103.8	0.0	0.0	85.7	0.3	0.0	0.0	38.2	0.0	27.0	0.0	0.1	0.0	0.0
29-Mar-26	101.8	0.0	0.0	83.2	0.4	0.0	0.0	32.3	0.0	36.0	0.0	0.1	0.0	0.0
30-Mar-26	103.3	7.7	0.0	83.5	0.4	0.0	0.0	48.9	23.0	39.0	0.0	0.1	0.0	0.0
31-Mar-26	99.7	0.0	0.0	84.8	0.4	0.0	0.0	41.1	0.0	40.0	0.0	0.1	0.0	0.0
Total	2,960.8	244.0	0.0	2,916.6	8.1	22.0	14.0	1,392.4	144.0	1,107.0	0.0	1.9	0.0	0.0

Notes:

WWTP - Waste Water Treatment Plant

PWSP - Polishing Waste Stabilization Pond

¹Tracking may be influenced by reported data to the Pi data system; variances between reported domestic and industrial values have potential to occur. However, total daily withdrawal is not influenced by the tracking methodology.