



June 30, 2020

Manager of Licensing
Nunavut Water Board
P.O. Box 119
Gjoa Haven, Nunavut X0B 1J0

Water Resources Officer, CIRNAC
Nunavut District, Nunavut Region
P.O. Box 100
Iqaluit, NU X0A 0H0

**RE: Water Licence 2AM-MRY1325 Monthly Surveillance Network Program (SNP) Report
May 2020**

The following is the monthly report for May 2020 as required under Part I, Item 21 of the Type 'A' Water Licence 2AM-MRY1325 (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

During the month of May 2020, water samples were collected as part of the Water Licence SNP.

Table 1.1 presents a list of samples/monitoring required under the Licence and the details concerning which water quality samples were collected along with sample date/laboratory identification number as appropriate. Analytical water quality testing results received are presented in Tables 2.1 – 2.5. Water volumes consumed for domestic and industrial water purposes and the volumes of effluent discharged at the Mary River Mine Site and Milne Port are presented in Table 3.1.

Monitoring Program Results

Water Sampling and Analysis Results

Tables 2.1 – 2.5 provide the analytical results related to the SNP sampling requirements for May 2020. There were no exceedances of the site specific daily grab or monthly average samples.

Flow and Volume Measurements

Table 3.1 provides a breakdown of volume measurements for May 2020 as required by Part I, Item 9 of the Licence. There were no exceedances of the source specific daily volume withdrawal limits in May.

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

Prepared by:

A handwritten signature in black ink, appearing to read "Connor Devereaux".

Connor Devereaux
Environmental Superintendent

Reviewed by:

A handwritten signature in black ink, appearing to read "Christopher Murray".

Christopher Murray
Environmental & Regulatory Compliance Manager

cc: Justin Hack, Jeremy Fraser (CIRNAC)
Jared Ottenhof, Chris Spencer (QIA)
Tim Sewell, Megan Lorde-Hoyle, Lou Kamermans, Shawn Stevens, Aaron MacDonnell, Tayfun Eldem,
Francois Gaudreau, Brian Marshall, Amanda McKenzie, Allison Parker (Baffinland)

Attachments

Attachments – Monthly Water Sampling Results: Table 1.1, Tables 2.1 – 2.5, Table 3.1

Attachments

Monthly Water Sampling Results

Table 1.1: Monitoring Program Water Sampling Summary for May 2020

| Monitoring Program Station | Sampling Date | Lab ID Number | Comment |
|--|---------------|---------------|--|
| Milne Port | | | |
| MP-01 (Sewage Treatment Facility) | 2020-05-12 | L2447380-1 | Volume reported daily during discharge |
| MP-01A (Polishing Waste Stabilization Pond) | N/A | N/A | No flow |
| MP-01B (Sewage Treatment Facility) | N/A | N/A | No discharge |
| MP-MRY-2 (Freshwater Intake at Phillips Creek) | N/A | N/A | No water withdrawal |
| MP-MRY-3 (Freshwater Intake from Km 32 Lake) | N/A | N/A | Withdrawal volume recorded daily |
| MP-02 (Milne Port Maintenance Shop) | N/A | N/A | No flow |
| MP-03 (Bulk Fuel Storage Facility Stormwater) | N/A | N/A | No flow |
| MP-04 (Landfarm Facility & Snow Containment Facility) | N/A | N/A | No flow |
| MP-05 Ore Stockpile Sedimentation Pond (East) | N/A | N/A | No flow |
| MP-06 Ore Stockpile Sedimentation Pond (West) | N/A | N/A | No flow |
| MP-C-A (Downstream of Construction Area) | N/A | N/A | No flow |
| MP-C-B (Downstream of Construction Area) | 2020-05-25 | L2453047-1 | |
| MP-C-B03 (Travel Blank of MP-C-B) | 2020-05-25 | L2453047-2 | |
| MP-C-B01 (Downstream of Construction Area) | N/A | N/A | No flow |
| MP-C-C (Downstream of Construction Area) | N/A | N/A | No flow |
| MP-C-D (Downstream of Construction Area) | N/A | N/A | No flow |
| MP-C-E (Downstream of Construction Area) | N/A | N/A | No flow |
| MP-C-F (Downstream of Construction Area) | N/A | N/A | No flow |

| Monitoring Program Station | Sampling Date | Lab ID Number | Comment |
|---|---------------|---------------|----------------------------------|
| MP-C-G (Downstream of Construction Area) | N/A | N/A | No flow |
| MP-C-H (Downstream of Construction Area) | N/A | N/A | No flow |
| MP-Q1-01 (Downstream of Q1 Quarry) | N/A | N/A | No flow |
| MP-Q1-02 (Downstream of Q1 Quarry) | N/A | N/A | No flow |
| Mary River Mine Site | | | |
| MS-01 (Sewage Treatment Facility) | 2020-05-12 | L2447382-1 | Discharge volume reported daily |
| MS-01A (Mine Site Polishing Waste Stabilization Pond) | N/A | N/A | No flow |
| MS-01B (Sewage Treatment Facility) | 2020-05-12 | L2446562-1 | Discharge volume reported daily |
| MS-02 (Mine Site Maintenance Shop) | N/A | N/A | No flow |
| MS-MRY-1 (Freshwater Intake Camp Lake) | N/A | N/A | Withdrawal volume recorded daily |
| MS-MRY-04A | N/A | N/A | No flow |
| MS-MRY-04B | N/A | N/A | No flow |
| MS-MRY-04C | N/A | N/A | No flow |
| MS-03 (Milne Site Bulk Fuel Storage Facility Stormwater) | N/A | N/A | No flow |
| MS-04 (Mine Site Fuel Unloading Station Stormwater) | N/A | N/A | No flow |
| MS-05 (Mine Site Landfarm Facility) | N/A | N/A | Not constructed |
| MS-06 (Ore Stockpile Pond Stormwater) | N/A | N/A | No flow |
| MS-07 (Run of Mine Ore Stockpile Pond Stormwater) | N/A | N/A | Not constructed |
| MS-08 (Mine Waste Rock Stockpile Pond) | N/A | N/A | No flow |
| MS-09 (Waste Rock Stockpile East Pond) | N/A | N/A | No flow |

| Monitoring Program Station | Sampling Date | Lab ID Number | Comment |
|---|---------------|---------------|---------|
| MS-MRY-6 (Exploration Camp Bladder Farm Stormwater) | N/A | N/A | No flow |
| MS-MRY-9 (Deposit 1 Surface Water Drainage) | N/A | N/A | No flow |
| MS-MRY-10 (Deposit 1 Surface Water Drainage) | N/A | N/A | No flow |
| MS-MRY-13A (Downstream Non-Hazardous Landfill) | N/A | N/A | No flow |
| MS-MRY-13B (Downstream Non-Hazardous Landfill) | N/A | N/A | No flow |
| MS-C-A (Downstream of Construction and Borrow Areas) | N/A | N/A | No flow |
| MS-C-B (Downstream of Construction and Borrow Areas) | N/A | N/A | No flow |
| MS-C-C (Downstream of Construction and Borrow Areas) | N/A | N/A | No flow |
| MS-C-D (Downstream of Construction and Borrow Areas) | N/A | N/A | No flow |
| MS-C-E (Downstream of Construction and Borrow Areas) | 2020-05-25 | L2451387-1 | |
| MS-C-E02 (Field Blank of MS-C-E) | 2020-05-25 | L2451387-2 | |
| MS-C-F (Downstream of Construction and Borrow Areas) | N/A | N/A | No flow |
| MS-C-G (Downstream of Construction and Borrow Areas) | N/A | N/A | No flow |
| MS-C-H (Downstream of Construction and Borrow Areas) | N/A | N/A | No flow |
| MQ-C-A (Downstream of QMR2 Quarry) | N/A | N/A | No flow |
| MQ-C-B (Downstream of QMR2 Quarry) | N/A | N/A | No flow |

| Monitoring Program Station | Sampling Date | Lab ID Number | Comment |
|---|---------------|---------------|---------|
| MQ-C-D (Downstream of QMR2 Quarry) | N/A | N/A | No flow |
| Steensby Port | | | |
| Steensby Exploration Camp is presently inactive. | N/A | N/A | N/A |