



April 30, 2013

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

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

**RE: Water License 2BB-MRY1114 Monthly SNP Report – March 2013**

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The following is the monthly report for March 2013 as required under Part I, Item 19 of Water License 2BB-MRY1114.

**SNP Sampling**

During the month of March 2013, samples were collected at MRY-4 as part of the SNP sampling program. Table 1 presents a list of samples/monitoring required under the Water License and the details concerning which water quality samples have been collected along with sample date/lab identification number as appropriate. Analytical water quality testing results received as part of the SNP program, are presented in Table 2. Volumes consumed for domestic water purposes and the volumes of treated sewage effluent discharged at Mary River Camp are attached in Table 3.

**SNP Results**

**A) Water Sampling and Analysis Results**

Table 2 provides the analytical results related to SNP sampling requirements for March 2013.

**B) Flow and Volume Measurements**

Table 3 provides a breakdown of volume measurements as requested in Part I, Item 9 of the water license for March 2013.

We hope that the information provided in this monthly report is acceptable and should you have any questions regarding this report please contact Jim Millard at 902-403-1337(cell) / 647-693-9447(site) or by e-mail at [jim.millard@baffinland.com](mailto:jim.millard@baffinland.com).

Regards,

A handwritten signature in black ink, appearing to read 'J. Millard'.

James Millard, M.Sc., P.Geo.  
Senior Environmental Superintendent

Attach: Tables 1, 2 and 3 (three pages)

Cc: Andrew Keim (AANDC) and Stephen Bathory and Joel Fortier (QIA)

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**Table 1: SNP Water Sampling Summary for March 2013**

SNP Station	Sampling Date	Lab ID#	Comment
MRY-1	N/A	N/A	Volume reported daily
MRY-2	N/A	N/A	N/A – Water take location not active
MRY-3	N/A	N/A	N/A – Water take location not active
MRY-4	March 7, 2013 March 28, 2013	1014864 1014884 1018165 1018162	Volume reported daily
MRY-401	March 7, 2013	1014867 1014887	Duplicate Sample of MRY-4 for QA/QC
MRY-5	N/A	N/A	N/A - RBC not operating
MRY-6	N/A	N/A	No discharge, frozen conditions
MRY-7	N/A	N/A	No discharge, frozen conditions
MRY-9	N/A	N/A	N/A – Frozen Conditions, no flow
MRY-10	N/A	N/A	N/A – Frozen Conditions, no flow
MRY-11	N/A	N/A	N/A – Frozen Conditions, no flow
MRY-12	N/A	N/A	N/A – Frozen Conditions, no flow
MRY-13A	N/A	N/A	N/A – Frozen Conditions, no flow
MRY-13B	N/A	N/A	N/A – Frozen Conditions, no flow

**Notes:**

MRY-9 is downstream of bulk sample pit/bench.  
MRY-10 is downstream of bulk sample weathered ore/waste rock pile.  
MRY-11 is downstream of bulk sample crusher area.  
MRY-12 is downstream of bulk ore stockpile area at Milne Inlet.  
MRY-13A and B are downstream of non-hazardous landfill facility.

**Table 2. Water Chemistry Results - March 2013**

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
1014884	MRY - 4	07-Mar-13	Biochemical Oxygen Demand	1	mg/L	Exova Accutest
1014884	MRY - 4	07-Mar-13	Chemical Oxygen Demand	12	mg/L	Exova Accutest
1014864	MRY - 4	07-Mar-13	Faecal Coliforms	0	mg/L	Exova Accutest
1014884	MRY - 4	07-Mar-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1014884	MRY - 4	07-Mar-13	Total Suspended Solids	4	mg/L	Exova Accutest
1014884	MRY - 4	07-Mar-13	pH	7.62	pH units	Exova Accutest
1014887	MRY - 401	07-Mar-13	Biochemical Oxygen Demand	2	mg/L	Exova Accutest
1014887	MRY - 401	07-Mar-13	Chemical Oxygen Demand	10	mg/L	Exova Accutest
1014867	MRY - 401	07-Mar-13	Faecal Coliforms	0	mg/L	Exova Accutest
1014887	MRY - 401	07-Mar-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1014887	MRY - 401	07-Mar-13	Total Suspended Solids	4	mg/L	Exova Accutest
1014887	MRY - 401	07-Mar-13	pH	7.72	pH units	Exova Accutest
1018162	MRY - 4	28-Mar-13	Biochemical Oxygen Demand	<1	mg/L	Exova Accutest
1018162	MRY - 4	28-Mar-13	Chemical Oxygen Demand	12	mg/L	Exova Accutest
1018165	MRY - 4	28-Mar-13	Faecal Coliforms	0	mg/L	Exova Accutest
1018162	MRY - 4	28-Mar-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1018162	MRY - 4	28-Mar-13	Total Suspended Solids	4	mg/L	Exova Accutest
1018162	MRY - 4	28-Mar-13	pH	7.56	pH units	Exova Accutest

Notes: MRY-401 is a duplicate sample of MRY-4 for QA/QC purposes.

**Table 3: Flow and Volume Measurements-Part I Item 7 - March 2013**

<b>DATE</b>	<b>Camp Lake Freshwater Use (Mary River Camp) - Daily Potable Water (m<sup>3</sup>) - MRY-1</b>	<b>Camp Lake Daily Freshwater Use for Other Purposes - (m<sup>3</sup>) - MRY-1</b>	<b>Three Km Lake Steensby Inlet Daily Potable Water (m<sup>3</sup>)</b>	<b>Km 32 Lake Milne Inlet Camp Daily Potable Water (m<sup>3</sup>) MRY-3</b>	<b>Treated Sewage Effluent (m<sup>3</sup>) from WWTF to PWSP at Mary River Camp - MRY-4</b>	<b>Sewage Sludge Removed (m<sup>3</sup>) from Mary River WWTP</b>	<b>Treated Sewage Effluent (m<sup>3</sup>) from PWSP to Sheardown Lake (MRY-4a,b,c)</b>
1-Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-Mar	23.5	0.0	0.0	0.0	23.5	0.0	0.0
5-Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6-Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7-Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8-Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9-Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11-Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12-Mar	10.6	0.0	0.0	0.0	10.6	0.0	0.0
13-Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14-Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15-Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16-Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17-Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18-Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-Mar	18.2	0.0	0.0	0.0	18.2	0.0	0.0
22-Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24-Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25-Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26-Mar	17.4	0.0	0.0	0.0	17.4	0.0	0.0
27-Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28-Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29-Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30-Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31-Mar	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	<b>69.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>69.7</b>	<b>0.0</b>	<b>0.0</b>

Notes:

WWTP - Waste Water Treatment Plant  
PWSP - Polishing Waste Stabilization Pond