



November 30, 2012

Manager of Licensing  
Nunavut Water Board  
P.O. Box 119  
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Water Resources Officer, INAC  
Nunavut District, Nunavut Region  
P.O. Box 100  
Iqaluit, NU X0A 0H0

**RE: Water License 2BB-MRY1114 Monthly SNP Report – October 2012**

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The following is the monthly report for October 2012 as required under Part I, Item 19 of Water License 2BB-MRY1114.

**SNP Sampling**

During the month of October 2012, 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 October 2012.

**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 October 2012.

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.

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: Melissa Joy (AANDC) and Stephen Bathory and Joel Fortier (QIA)

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**Table 1: SNP Water Sampling Summary for October 2012**

<b>SNP Station</b>	<b>Sampling Date</b>	<b>Lab ID#</b>	<b>Comment</b>
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	October 10	991000, 991007	Volume reported daily
MRY-4-DUP	October 10	991001, 991008	Field duplicate for MRY-4
MRY-4-FB	October 10	991004, 991011	Field blank for MRY-4
Travel-BLK-8	October 10	991005	Travel blank for MRY-4
MRY-5	N/A	N/A	N/A - RBC not operating
MRY-6	N/A	N/A	No discharge.
MRY-7	N/A	N/A	No discharge.
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

**Table 2. Water Chemistry Results - October 2012**

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
991000	MRY-4	10-Oct-12	Biochemical Oxygen Demand	<1	mg/L	Exova Accutest
991000	MRY-4	10-Oct-12	Chemical Oxygen Demand	15	mg/L	Exova Accutest
991007	MRY-4	10-Oct-12	Faecal Coliforms	0	CFU/100mL	Exova Accutest
991000	MRY-4	10-Oct-12	Oil & Grease - Total	<1	mg/L	Exova Accutest
991000	MRY-4	10-Oct-12	Total Suspended Solids	5	mg/L	Exova Accutest
991000	MRY-4	10-Oct-12	pH	8.16	pH units	Exova Accutest
991001	MRY-4-DUP	10-Oct-12	Biochemical Oxygen Demand	4	mg/L	Exova Accutest
991001	MRY-4-DUP	10-Oct-12	Chemical Oxygen Demand	20	mg/L	Exova Accutest
991008	MRY-4-DUP	10-Oct-12	Faecal Coliforms	0	CFU/100mL	Exova Accutest
991001	MRY-4-DUP	10-Oct-12	Oil & Grease - Total	<1	mg/L	Exova Accutest
991001	MRY-4-DUP	10-Oct-12	Total Suspended Solids	320*	mg/L	Exova Accutest
991001	MRY-4-DUP	10-Oct-12	pH	8.10	pH units	Exova Accutest
991004	MRY-4-TB	10-Oct-12	Biochemical Oxygen Demand	<1	mg/L	Exova Accutest
991004	MRY-4-TB	10-Oct-12	Chemical Oxygen Demand	<5	mg/L	Exova Accutest
991011	MRY-4-TB	10-Oct-12	Faecal Coliforms	0	CFU/100mL	Exova Accutest
991004	MRY-4-TB	10-Oct-12	Oil & Grease - Total	<1	mg/L	Exova Accutest
991004	MRY-4-TB	10-Oct-12	Total Suspended Solids	<2	mg/L	Exova Accutest
991004	MRY-4-TB	10-Oct-12	pH	7.34	pH units	Exova Accutest
991005	Travel-BLK-8	10-Oct-12	Biochemical Oxygen Demand	<1	mg/L	Exova Accutest
991005	Travel-BLK-8	10-Oct-12	Chemical Oxygen Demand	5	mg/L	Exova Accutest
-	Travel-BLK-8	10-Oct-12	Faecal Coliforms	-	CFU/100mL	Exova Accutest
991005	Travel-BLK-8	10-Oct-12	Oil & Grease - Total	<1	mg/L	Exova Accutest
991005	Travel-BLK-8	10-Oct-12	Total Suspended Solids	<2	mg/L	Exova Accutest
991005	Travel-BLK-8	10-Oct-12	pH	6.33	pH units	Exova Accutest

Notes: \* Field duplicate MRY-4-DUP TSS result is elevated. Cause for this is currently under investigation. We are unsure at this stage whether the elevated TSS result originated during sample collection or whether it is a laboratory analytical error.

**Table 3: Flow and Volume Measurements-Part I Item 7 - October 2012**

<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-Oct	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-Oct	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-Oct	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-Oct	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-Oct	14.8	0.0	0.0	0.0	14.8	0.0	0.0
6-Oct	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7-Oct	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8-Oct	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9-Oct	7.6	0.0	0.0	0.0	7.6	0.0	0.0
10-Oct	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11-Oct	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12-Oct	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13-Oct	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14-Oct	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15-Oct	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16-Oct	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17-Oct	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18-Oct	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-Oct	23.8	0.0	0.0	0.0	23.8	0.0	0.0
20-Oct	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-Oct	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-Oct	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-Oct	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24-Oct	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25-Oct	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26-Oct	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27-Oct	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28-Oct	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29-Oct	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30-Oct	22.3	0.0	0.0	0.0	22.3	0.0	0.0
31-Oct	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	<b>68.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>68.5</b>	<b>0.0</b>	<b>0.0</b>

Notes:

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