



March 31, 2012

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

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

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

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

SNP Sampling

During the month of February 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 at Mary River and Milne Inlet 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 February 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 February 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 or by e-mail at jim.millard@baffinland.com.

Regards,

A handwritten signature in black ink, appearing to read "J. Millard", with a stylized flourish at the end.

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

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

Cc: Andrew Keim and Melissa Joy (AANDC), Stephen Bathory and Salamonie Shoo (QIA)

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Table 1: SNP Water Sampling Summary for February 2012

SNP Station	Sampling Date	Lab ID#	Comment
MRY-1	N/A	N/A	Daily Volumes Reported
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	12-Feb-02 12-Feb-23	940316, 940307 942747, 942748	Volume reported daily
MRY-401	12-Feb-02	940317, 940308	Field Duplicate of MRY-4
MRY-402	12-Feb-02	940318, 940309	Field Blank for MRY-4
MRY-403	12-Feb-02	940319, 940310	Travel Blank for MRY-4
MRY-5	N/A	N/A	N/A RBC not operating
MRY-6	N/A	N/A	N/A – frozen conditions, no flow
MRY-7	N/A	N/A	N/A – frozen conditions, no flow
MRY-8/9	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-13	N/A	N/A	N/A – frozen conditions, no flow

Table 2. Water Chemistry Results - February 2012

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
940316	MRY-4	2-Feb-12	Faecal Coliforms	0	CFU/100 ml	Exova Accutest
940307	MRY-4	2-Feb-12	Biological Oxygen Demand	1	mg/L	Exova Accutest
940307	MRY-4	2-Feb-12	pH	7.95	pH units	Exova Accutest
940307	MRY-4	2-Feb-12	Total Suspended Solids	3	mg/L	Exova Accutest
940307	MRY-4	2-Feb-12	Oil and Grease	<1	mg/L	Exova Accutest
940317	MRY-401	2-Feb-12	Faecal Coliforms	0	CFU/100 ml	Exova Accutest
940308	MRY-401	2-Feb-12	Biological Oxygen Demand	1	mg/L	Exova Accutest
940308	MRY-401	2-Feb-12	pH	7.99	pH units	Exova Accutest
940308	MRY-401	2-Feb-12	Total Suspended Solids	4	mg/L	Exova Accutest
940308	MRY-401	2-Feb-12	Oil and Grease	<1	mg/L	Exova Accutest
940318	MRY-402	2-Feb-12	Faecal Coliforms	0	CFU/100 ml	Exova Accutest
940308	MRY-402	2-Feb-12	Biological Oxygen Demand	<1	mg/L	Exova Accutest
940308	MRY-402	2-Feb-12	pH	7.55	pH units	Exova Accutest
940308	MRY-402	2-Feb-12	Total Suspended Solids	<2	mg/L	Exova Accutest
940308	MRY-402	2-Feb-12	Oil and Grease	<1	mg/L	Exova Accutest
940319	MRY-403	2-Feb-12	Faecal Coliforms	0	CFU/100 ml	Exova Accutest
940309	MRY-403	2-Feb-12	Biological Oxygen Demand	<1	mg/L	Exova Accutest
940309	MRY-403	2-Feb-12	pH	7.54	pH units	Exova Accutest
940309	MRY-403	2-Feb-12	Total Suspended Solids	<2	mg/L	Exova Accutest
940309	MRY-403	2-Feb-12	Oil and Grease	<1	mg/L	Exova Accutest
942747	MRY-4	23-Feb-12	Faecal Coliforms	0	CFU/100 ml	Exova Accutest
942748	MRY-4	23-Feb-12	Biological Oxygen Demand	<1	mg/L	Exova Accutest
942748	MRY-4	23-Feb-12	pH	7.84	pH units	Exova Accutest
942748	MRY-4	23-Feb-12	Total Suspended Solids	3	mg/L	Exova Accutest
942748	MRY-4	23-Feb-12	Oil and Grease	<1	mg/L	Exova Accutest

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

DATE	Camp Lake Freshwater Use (Mary River Camp) - Daily Potable Water (m³) - MRY-1	Camp Lake Daily Freshwater Use for Other Purposes - (m3) - MRV-1	Treated Sewage Effluent (m³) from WWTF to PWSP at Mary River Camp - MRY-4	Sewage Sludge Removed (m³) from Mary River WWTP	Treated Sewage Effluent (m³) from PWSP to Sheardown Lake (MRV-4a,b,c)
1-Feb	0.0	0.0	0.0	0.0	0.0
2-Feb	0.0	0.0	0.0	0.0	0.0
3-Feb	0.0	0.0	0.0	0.0	0.0
4-Feb	0.0	0.0	0.0	0.0	0.0
5-Feb	0.0	0.0	0.0	0.0	0.0
6-Feb	0.0	0.0	0.0	0.0	0.0
7-Feb	20.8	9.3	20.8	0.0	0.0
8-Feb	0.0	0.0	0.0	0.0	0.0
9-Feb	0.0	0.0	0.0	0.0	0.0
10-Feb	0.0	0.0	0.0	0.0	0.0
11-Feb	0.0	0.0	0.0	0.0	0.0
12-Feb	0.0	0.0	0.0	0.0	0.0
13-Feb	0.0	0.0	0.0	0.0	0.0
14-Feb	0.0	0.0	0.0	0.0	0.0
15-Feb	0.0	0.0	0.0	0.0	0.0
16-Feb	0.0	0.0	0.0	0.0	0.0
17-Feb	0.0	0.0	0.0	0.0	0.0
18-Feb	0.0	0.0	0.0	0.0	0.0
19-Feb	0.0	0.0	0.0	0.0	0.0
20-Feb	0.0	0.0	0.0	0.0	0.0
21-Feb	0.0	0.0	0.0	0.0	0.0
22-Feb	28.6	0.0	28.6	0.0	0.0
23-Feb	0.0	0.0	0.0	0.0	0.0
24-Feb	0.0	0.0	0.0	0.0	0.0
25-Feb	0.0	0.0	0.0	0.0	0.0
26-Feb	0.0	0.0	0.0	0.0	0.0
27-Feb	0.0	0.0	0.0	0.0	0.0
28-Feb	0.0	0.0	0.0	0.0	0.0
29-Feb	0.0	0.0	0.0	0.0	0.0
Total	49.4	9.3	49.4	0.0	0.0

Notes:

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