

April 30, 2011

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 – March 2011

Following is the monthly report for March 2011 as required under Part I, Item 19 of Water License 2BB-MRY1114.

SNP Sampling

During the month of March 2011, 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 have been collected and are attached in Table 3.

SNP Results

A) Water Sampling and Analysis Results

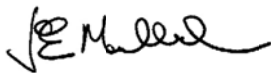
Table 2 provides the results related to SNP sampling requirements for March 2011.

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 2011.

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: Ian Rumbolt, Salamonie Shoo, QIA

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Table 1: SNP Water Sampling Summary

SNP Station	Sampling Date	Lab ID#	Comment
MRY-1	N/A	N/A	Volume reported daily
MRY-2	N/A	N/A	N/A for March
MRY-3	N/A	N/A	N/A for March
MRY-4	3-Mar-11 12-Mar-11 24-Mar-11	866016 867794 867819 869915 869938	Volume reported daily
MRY-401	3-Mar-11 12-Mar-11 24-Mar-11	866016 867795 867820 869916 869939	Duplicate of MRY-4
MRY-5	N/A	N/A	N/A for March
MRY-6	N/A	N/A	N/A for March
MRY-7	N/A	N/A	N/A for March
MRY-8 / 9	N/A	N/A	N/A for March
MRY-10	N/A	N/A	N/A for March
MRY-11	N/A	N/A	N/A for March
MRY-12	N/A	N/A	N/A for March
MRY-13	N/A	N/A	N/A for March

Table 2. Water Chemistry Results - March 2011

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
-	MRY-4	3-Mar-11	Faecal Coliforms	*	CFU/100 ml	Exova Accutest
866016	MRY-4	3-Mar-11	Biological Oxygen Demand	<1	mg/L	Exova Accutest
866016	MRY-4	3-Mar-11	pH	8.08	pH units	Exova Accutest
866016	MRY-4	3-Mar-11	Total Suspended Solids	5	mg/L	Exova Accutest
866016	MRY-4	3-Mar-11	Oil and Grease	**	mg/L	Exova Accutest
-	MRY-401	3-Mar-11	Faecal Coliforms	*	CFU/100 ml	Exova Accutest
866017	MRY-401	3-Mar-11	Biological Oxygen Demand	<1	mg/L	Exova Accutest
866017	MRY-401	3-Mar-11	pH	8.10	pH units	Exova Accutest
866017	MRY-401	3-Mar-11	Total Suspended Solids	6	mg/L	Exova Accutest
866017	MRY-401	3-Mar-11	Oil and Grease	2	mg/L	Exova Accutest
867794	MRY-4	12-Mar-11	Faecal Coliforms	0	CFU/100 ml	Exova Accutest
867819	MRY-4	12-Mar-11	Biological Oxygen Demand	<1	mg/L	Exova Accutest
867819	MRY-4	12-Mar-11	pH	8.16	pH units	Exova Accutest
867819	MRY-4	12-Mar-11	Total Suspended Solids	3	mg/L	Exova Accutest
867819	MRY-4	12-Mar-11	Oil and Grease	<1	mg/L	Exova Accutest
867795	MRY-401	12-Mar-11	Faecal Coliforms	0	CFU/100 ml	Exova Accutest
867820	MRY-401	12-Mar-11	Biological Oxygen Demand	<1	mg/L	Exova Accutest
867820	MRY-401	12-Mar-11	pH	8.24	pH units	Exova Accutest
867820	MRY-401	12-Mar-11	Total Suspended Solids	<2	mg/L	Exova Accutest
867820	MRY-401	12-Mar-11	Oil and Grease	<1	mg/L	Exova Accutest
869915	MRY-4	24-Mar-11	Faecal Coliforms	<10	CFU/100 ml	Exova Accutest
869938	MRY-4	24-Mar-11	Biological Oxygen Demand	<1	mg/L	Exova Accutest
869938	MRY-4	24-Mar-11	pH	8.14	pH units	Exova Accutest
869938	MRY-4	24-Mar-11	Total Suspended Solids	<2	mg/L	Exova Accutest
869938	MRY-4	24-Mar-11	Oil and Grease	<1	mg/L	Exova Accutest
869916	MRY-401	24-Mar-11	Faecal Coliforms	<10	CFU/100 ml	Exova Accutest
869939	MRY-401	24-Mar-11	Biological Oxygen Demand	<1	mg/L	Exova Accutest
869939	MRY-401	24-Mar-11	pH	8.15	pH units	Exova Accutest
869939	MRY-401	24-Mar-11	Total Suspended Solids	<2	mg/L	Exova Accutest
869939	MRY-401	24-Mar-11	Oil and Grease	<1	mg/L	Exova Accutest

Notes: MRY-401 is a duplicate of MRY-4.

* No Faecal Coliform analysis - shipment delayed

** No O&G - bottle broke during shipping

Table 3: Flow and Volume Measurements-Part I Item 7 - March 2011

DATE	Camp Lake Freshwater Use (Mary River Camp) - Daily Potable Water (m³) - MRY-1	Camp Lake Daily Freshwater Use for Other Purposes - (m3) - MRY-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 (MRY-4a,b,c)
1-Mar	19.3	0.0	19.3	0.0	0.0
2-Mar	0.0	0.0	0.0	0.0	0.0
3-Mar	0.0	0.0	0.0	0.0	0.0
4-Mar	0.0	0.0	0.0	0.0	0.0
5-Mar	0.0	0.0	0.0	0.0	0.0
6-Mar	0.0	0.0	0.0	0.0	0.0
7-Mar	0.0	0.0	0.0	0.0	0.0
8-Mar	0.0	0.0	0.0	0.0	0.0
9-Mar	15.5	0.0	15.5	0.0	0.0
10-Mar	0.0	0.0	0.0	0.0	0.0
11-Mar	0.0	0.0	0.0	0.0	0.0
12-Mar	0.0	0.0	0.0	0.0	0.0
13-Mar	0.0	0.0	0.0	0.0	0.0
14-Mar	0.0	0.0	0.0	0.0	0.0
15-Mar	0.0	0.0	0.0	0.0	0.0
16-Mar	0.0	0.0	0.0	0.0	0.0
17-Mar	0.0	0.0	0.0	0.0	0.0
18-Mar	0.0	0.0	0.0	0.0	0.0
19-Mar	0.0	0.0	0.0	0.0	0.0
20-Mar	0.0	0.0	0.0	0.0	0.0
21-Mar	22.7	0.0	22.7	0.0	0.0
22-Mar	0.0	0.0	0.0	0.0	0.0
23-Mar	0.0	0.0	0.0	0.0	0.0
24-Mar	0.0	0.0	0.0	0.0	0.0
25-Mar	0.0	0.0	0.0	0.0	0.0
26-Mar	0.0	0.0	0.0	0.0	0.0
27-Mar	0.0	0.0	0.0	0.0	0.0
28-Mar	0.0	0.0	0.0	0.0	0.0
29-Mar	0.0	0.0	0.0	0.0	0.0
30-Mar	0.0	0.0	0.0	0.0	0.0
31-Mar	0.0	0.0	0.0	0.0	0.0
Total	57.5	0.0	57.5	0.0	0.0

Notes:

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