



November 30, 2010

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-MRY0710 Monthly SNP Report – October 2010

Following is the monthly report for October 2010 as required under Part I, Item 19 of Water License 2BB-MRY0710.

SNP Sampling

During the month of October 2010, 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 October 2010.

B) Flow and Volume Measurements

Table 3 provides a breakdown of volume measurements as requested in Part I, Item 7 of the water license for October 2010.

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", written over a horizontal line.

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

Attach: Tables 1, 2 and 3 (three pages)
Cc: Bryan Rayner, Stephen Bathory 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 October
MRY-3	N/A	N/A	N/A for October
MRY-4	28-Oct-10	840962 840834	Volume reported daily
MRY-401	28-Oct-10	840963 840835	Field duplicate of MRY-4
MRY-4	28-Oct-10	MRY-4, 2010/10/28	
MRY-5	N/A	N/A	N/A for October
MRY-6	N/A	N/A	N/A for October
MRY-7	N/A	N/A	N/A for October
MRY-8 / 9	N/A	N/A	N/A for October
MRY-10	N/A	N/A	N/A for October
MRY-11	N/A	N/A	N/A for October
MRY-12	N/A	N/A	N/A for October
MRY-13	N/A	N/A	N/A for October

Table 2. Water Chemistry Results - October 2010						
Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
840962	MRY-4	28-Oct-10	Faecal Coliforms	0	CFU/100 ml	Exova Accutest
840962	MRY-4	28-Oct-10	Biological Oxygen Demand	7	mg/L	Exova Accutest
840962	MRY-4	28-Oct-10	pH	8.22	pH units	Exova Accutest
840962	MRY-4	28-Oct-10	Total Suspended Solids	<2	mg/L	Exova Accutest
840962	MRY-4	28-Oct-10	Oil and Grease	<1	mg/L	Exova Accutest
840963	MRY-401	28-Oct-10	Faecal Coliforms	0	CFU/100 ml	Exova Accutest
840963	MRY-401	28-Oct-10	Biological Oxygen Demand	<1	mg/L	Exova Accutest
840963	MRY-401	28-Oct-10	pH	8.22	pH units	Exova Accutest
840963	MRY-401	28-Oct-10	Total Suspended Solids	3	mg/L	Exova Accutest
840963	MRY-401	28-Oct-10	Oil and Grease	<1	mg/L	Exova Accutest
MRY-4 2010/10/28	MRY-4	28-Oct-10	Toxicity*	Non-leathal		Exova

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

* Bioassay Single conc: - 48 hours Daphnia magna and single conc: - 96 hrs Rainbow trout

Table 3: Flow and Volume Measurements-Part I Item 7 - October 2010

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-Oct	0.0	0.0	0.0	0.0	0.0
2-Oct	0.0	0.0	0.0	0.0	0.0
3-Oct	0.0	0.0	0.0	0.0	0.0
4-Oct	0.0	0.0	0.0	0.0	0.0
5-Oct	0.0	0.0	0.0	0.0	0.0
6-Oct	0.0	0.0	0.0	0.0	0.0
7-Oct	0.0	0.0	0.0	0.0	0.0
8-Oct	0.0	0.0	0.0	0.0	0.0
9-Oct	0.0	0.0	0.0	0.0	0.0
10-Oct	0.0	0.0	0.0	0.0	0.0
11-Oct	12.7	3.7	12.7	0.0	0.0
12-Oct	0.0	0.0	0.0	0.0	0.0
13-Oct	0.0	0.0	0.0	0.0	0.0
14-Oct	0.0	0.0	0.0	0.0	0.0
15-Oct	0.0	0.0	0.0	0.0	0.0
16-Oct	0.0	0.0	0.0	0.0	0.0
17-Oct	0.0	0.0	0.0	0.0	0.0
18-Oct	0.0	0.0	0.0	0.0	0.0
19-Oct	0.0	0.0	0.0	0.0	0.0
20-Oct	0.0	0.0	0.0	0.0	0.0
21-Oct	23.0	0.0	23.0	0.0	0.0
22-Oct	0.0	0.0	0.0	0.0	0.0
23-Oct	0.0	0.0	0.0	0.0	0.0
24-Oct	0.0	0.0	0.0	0.0	0.0
25-Oct	0.0	0.0	0.0	0.0	0.0
26-Oct	0.0	0.0	0.0	0.0	0.0
27-Oct	0.0	0.0	0.0	0.0	0.0
28-Oct	0.0	0.0	0.0	0.0	0.0
29-Oct	0.0	0.0	0.0	0.0	0.0
30-Oct	0.0	0.0	0.0	0.0	0.0
31-Oct	15.0	0.0	15.0	0.0	0.0
Total	50.7	3.7	50.7	0.0	0.0

Notes:

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