



April 2, 2010

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

**RE: Water License 2BB-MRY0710 Monthly SNP Report – February 2010**

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

**SNP Sampling**

During the month of February 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 February 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 February 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,

Reviewed by:

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

Trevor Myers  
Environmental Coordinator

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

Attach: Tables 1, 2 and 3 (three pages)  
Cc: Andrew Keim, INAC, Stephen Bathory QIA

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**Table 1: SNP Water Sampling Summary**

<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 for February
MRY-3	N/A	N/A	N/A for February
MRY-4	19-Feb-10	778010	Volume reported daily
MRY-5	N/A	N/A	N/A for February
MRY-6	N/A	N/A	N/A for February
MRY-7	N/A	N/A	N/A for February
MRY-8 / 9	N/A	N/A	Run off was not observed during the February surveys.
MRY-10	N/A	N/A	N/A for February
MRY-11	N/A	N/A	Run off was not observed during the February surveys.
MRY-12	N/A	N/A	Run off was not observed during the February surveys.

<b>Table 2. Water Chemistry Results - February 2010</b>						
<b>Sample Number</b>	<b>Sample ID</b>	<b>Date Sampled</b>	<b>Parameter Name</b>	<b>Result</b>	<b>Unit</b>	<b>Lab</b>
778010	MRY-4	19-Feb-10	Faecal Coliforms	<10	ct/100 ml	Exova Accutest
778010	MRY-4	19-Feb-10	Biological Oxygen Demand	<1	mg/L	Exova Accutest
778010	MRY-4	19-Feb-10	pH	8.46	pH units	Exova Accutest
778010	MRY-4	19-Feb-10	Total Suspended Solids	<2	mg/L	Exova Accutest
778010	MRY-4	19-Feb-10	Oil and Grease	<1	mg/L	Exova Accutest

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

<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>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>Daily Drill Water Use (m<sup>3</sup>) - Exploration</b>	<b>Treated Sewage Effluent (m<sup>3</sup>) from PWSP to Sheardown Lake (MRY-4a,b,c)</b>
1-Feb	0.0	0.0	0.0	0	0.0	0.0
2-Feb	0.0	0.0	0.0	0	0.0	0.0
3-Feb	0.0	0.0	0.0	0	0.0	0.0
4-Feb	13.0	0.0	13.0	0	0.0	0.0
5-Feb	0.0	0.0	0.0	0	0.0	0.0
6-Feb	0.0	0.0	0.0	0	0.0	0.0
7-Feb	0.0	0.0	0.0	0	0.0	0.0
8-Feb	0.0	0.0	0.0	0	0.0	0.0
9-Feb	0.0	0.0	0.0	0	0.0	0.0
10-Feb	0.0	0.0	0.0	0	0.0	0.0
11-Feb	0.0	0.0	0.0	0	0.0	0.0
12-Feb	0.0	0.0	0.0	0	0.0	0.0
13-Feb	0.0	0.0	0.0	0	0.0	0.0
14-Feb	0.0	0.0	0.0	0	0.0	0.0
15-Feb	15.5	0.0	15.5	0	0.0	0.0
16-Feb	0.0	0.0	0.0	0	0.0	0.0
17-Feb	0.0	0.0	0.0	0	0.0	0.0
18-Feb	0.0	0.0	0.0	0	0.0	0.0
19-Feb	0.0	0.0	0.0	0	0.0	0.0
20-Feb	0.0	0.0	0.0	0	0.0	0.0
21-Feb	0.0	0.0	0.0	0	0.0	0.0
22-Feb	0.0	0.0	0.0	0	0.0	0.0
23-Feb	0.0	0.0	0.0	0	0.0	0.0
24-Feb	0.0	0.0	0.0	0	0.0	0.0
25-Feb	0.0	0.0	0.0	0	0.0	0.0
26-Feb	14.0	0.0	14.0	0	0.0	0.0
27-Feb	0.0	0.0	0.0	0	0.0	0.0
28-Feb	0.0	0.0	0.0	0	0.0	0.0
<b>Total</b>	<b>42.5</b>	<b>0.0</b>	<b>42.5</b>	<b>0</b>	<b>0.0</b>	<b>0.0</b>

Notes:

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