



April 30, 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 – March 2010

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

SNP Sampling

During the month of March 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 and field QA/QC 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 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 March 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,

Trevor Myers
Environmental Coordinator

Reviewed by:

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: Andrew Keim, INAC, 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 March
MRY-3	N/A	N/A	N/A for March
MRY-4	12-Mar-10	783086, 783073	Volume reported daily
	12-Mar-10	783087, 783088, 783089, 783074	QA/QC samples field duplicate and field blank).
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	Runoff was not observed. Frozen conditions.
MRY-10	N/A	N/A	N/A for March
MRY-11	N/A	N/A	Runoff was not observed. Frozen conditions.
MRY-12	N/A	N/A	Runoff was not observed. Frozen conditions.

Table 2. Water Chemistry Results - March 2010

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
783086	MRY-4	12-Mar-10	Faecal Coliforms	<10	ct/100 ml	Exova Accutest
783086	MRY-4	12-Mar-10	Biological Oxygen Demand	<1	mg/L	Exova Accutest
783086	MRY-4	12-Mar-10	pH	8.50	pH units	Exova Accutest
783086	MRY-4	12-Mar-10	Total Suspended Solids	4	mg/L	Exova Accutest
783086	MRY-4	12-Mar-10	Oil and Grease	2	mg/L	Exova Accutest
783074	MRY-401	12-Mar-10	Faecal Coliforms	<10	ct/100 ml	Exova Accutest
783088	MRY-401	12-Mar-10	Biological Oxygen Demand	<1	mg/L	Exova Accutest
783088	MRY-401	12-Mar-10	pH	8.47	pH units	Exova Accutest
783088	MRY-401	12-Mar-10	Total Suspended Solids	3	mg/L	Exova Accutest
783088	MRY-401	12-Mar-10	Oil and Grease	3.00	mg/L	Exova Accutest
783089	MRY-402	12-Mar-10	Biological Oxygen Demand	6	mg/L	Exova Accutest
783089	MRY-402	12-Mar-10	pH	6.45	pH units	Exova Accutest
783089	MRY-402	12-Mar-10	Total Suspended Solids	<2	mg/L	Exova Accutest

Note: MRY-401 is field duplicate, MRY-402 is field blank.

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

DATE	Camp Lake Freshwater Use (Mary River Camp) - Daily Potable Water (m ³) - MRY-1	Camp Lake Daily Freshwater Use for Other Purposes - (m ³) - MRY-1	Treated Sewage Effluent (m ³) from WWTF to PWSP at Mary River Camp - MRY-4	Sewage Sludge Removed (m ³) from Mary River WWTP	Daily Drill Water Use (m ³) - Exploration	Treated Sewage Effluent (m ³) from PWSP to Sheardown Lake (MRY-4a,b,c)
1-Mar	0.0	0.0	0.0	0	0.0	0.0
2-Mar	0.0	0.0	0.0	0	0.0	0.0
3-Mar	0.0	0.0	0.0	0	0.0	0.0
4-Mar	0.0	0.0	0.0	0	0.0	0.0
5-Mar	0.0	0.0	0.0	0	0.0	0.0
6-Mar	0.0	0.0	0.0	0	0.0	0.0
7-Mar	21.0	0.0	21.0	0	0.0	0.0
8-Mar	0.0	0.0	0.0	0	0.0	0.0
9-Mar	0.0	0.0	0.0	0	0.0	0.0
10-Mar	0.0	0.0	0.0	0	0.0	0.0
11-Mar	0.0	0.0	0.0	0	0.0	0.0
12-Mar	0.0	0.0	0.0	0	0.0	0.0
13-Mar	14.0	0.0	14.0	0	0.0	0.0
14-Mar	0.0	0.0	0.0	0	0.0	0.0
15-Mar	0.0	0.0	0.0	0	0.0	0.0
16-Mar	0.0	0.0	0.0	0	0.0	0.0
17-Mar	0.0	0.0	0.0	0	0.0	0.0
18-Mar	0.0	0.0	0.0	0	0.0	0.0
19-Mar	0.0	0.0	0.0	0	0.0	0.0
20-Mar	0.0	0.0	0.0	0	0.0	0.0
21-Mar	0.0	0.0	0.0	0	0.0	0.0
22-Mar	0.0	0.0	0.0	0	0.0	0.0
23-Mar	0.0	0.0	0.0	0	0.0	0.0
24-Mar	0.0	0.0	0.0	0	0.0	0.0
25-Mar	18.0	0.0	18.0	0	0.0	0.0
26-Mar	0.0	0.0	0.0	0	0.0	0.0
27-Mar	0.0	0.0	0.0	0	0.0	0.0
28-Mar	0.0	0.0	0.0	0	0.0	0.0
29-Mar	0.0	0.0	0.0	0	0.0	0.0
30-Mar	0.0	0.0	0.0	0	0.0	0.0
31-Mar	11.0	0.0	11.0	0	0.0	0.0
Total	64.0	0.0	64.0	0	0.0	0.0

Notes:

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