



June 2, 2010

Manager of Licensing
Nunavut Water Board
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Water Resources Officer, INAC
Nunavut District, Nunavut Region
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RE: Water License 2BB-MRY0710 Monthly SNP Report – April 2010

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

SNP Sampling

During the month of April 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 April 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 April 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)

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Cc: Bryan Rayner, INAC, Stephen Bathory QIA

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 April
MRY-3	N/A	N/A	N/A for April
MRY-4	2-Apr-10 23-Apr-10	786974, 786976 792116, 792106 792118, 792108	Volume reported daily
MRY-5	N/A	N/A	N/A for April
MRY-6	N/A	N/A	N/A for April
MRY-7	N/A	N/A	N/A for April
MRY-8 / 9	N/A	N/A	Run off was not observed during the April surveys.
MRY-10	N/A	N/A	N/A for April
MRY-11	N/A	N/A	Run off was not observed during the April surveys.
MRY-12	N/A	N/A	Run off was not observed during the April surveys.

Table 2. Water Chemistry Results - April 2010						
Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
786974	MRY-4	2-Apr-10	Faecal Coliforms	<10	CFU/100 ml	Exova Accutest
786976	MRY-4	2-Apr-10	Biological Oxygen Demand	1	mg/L	Exova Accutest
786976	MRY-4	2-Apr-10	pH	8.57	pH units	Exova Accutest
786976	MRY-4	2-Apr-10	Total Suspended Solids	5	mg/L	Exova Accutest
786976	MRY-4	2-Apr-10	Oil and Grease	2	mg/L	Exova Accutest
792116	MRY-4	23-Apr-10	Faecal Coliforms	<10	CFU/100 ml	Exova Accutest
792106	MRY-4	23-Apr-10	Biological Oxygen Demand	5	mg/L	Exova Accutest
792106	MRY-4	23-Apr-10	pH	8.56	pH units	Exova Accutest
792106	MRY-4	23-Apr-10	Total Suspended Solids	4	mg/L	Exova Accutest
792106	MRY-4	23-Apr-10	Oil and Grease	<1	mg/L	Exova Accutest
792118	MRY-401	23-Apr-10	Faecal Coliforms	<10	CFU/100 ml	Exova Accutest
792108	MRY-401	23-Apr-10	Biological Oxygen Demand	6	mg/L	Exova Accutest
792108	MRY-401	23-Apr-10	pH	8.55	pH units	Exova Accutest
792108	MRY-401	23-Apr-10	Total Suspended Solids	<2	mg/L	Exova Accutest
792108	MRY-401	23-Apr-10	Oil and Grease	<1	mg/L	Exova Accutest

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

Table 3: Flow and Volume Measurements-Part I Item 7 - April 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	Daily Drill Water Use (m³) - Exploration	Treated Sewage Effluent (m³) from PWSP to Sheardown Lake (MRY-4a,b,c)
1-Apr	0.0	0.0	0.0	0	0.0	0.0
2-Apr	0.0	0.0	0.0	0	0.0	0.0
3-Apr	0.0	0.0	0.0	0	0.0	0.0
4-Apr	0.0	0.0	0.0	0	0.0	0.0
5-Apr	0.0	0.0	0.0	0	0.0	0.0
6-Apr	0.0	0.0	0.0	0	0.0	0.0
7-Apr	0.0	0.0	0.0	0	0.0	0.0
8-Apr	16.0	0.0	16.0	0	0.0	0.0
9-Apr	0.0	0.0	0.0	0	0.0	0.0
10-Apr	0.0	0.0	0.0	0	0.0	0.0
11-Apr	0.0	0.0	0.0	0	0.0	0.0
12-Apr	0.0	0.0	0.0	0	0.0	0.0
13-Apr	0.0	0.0	0.0	0	0.0	0.0
14-Apr	0.0	0.0	0.0	0	0.0	0.0
15-Apr	0.0	0.0	0.0	0	0.0	0.0
16-Apr	0.0	0.0	0.0	0	0.0	0.0
17-Apr	0.0	0.0	0.0	0	0.0	0.0
18-Apr	0.0	0.0	0.0	0	0.0	0.0
19-Apr	0.0	0.0	0.0	0	0.0	0.0
20-Apr	0.0	0.0	0.0	0	0.0	0.0
21-Apr	24.0	0.0	24.0	0	0.0	0.0
22-Apr	0.0	0.0	0.0	0	0.0	0.0
23-Apr	0.0	0.0	0.0	0	0.0	0.0
24-Apr	0.0	0.0	0.0	0	0.0	0.0
25-Apr	0.0	0.0	0.0	0	0.0	0.0
26-Apr	0.0	0.0	0.0	0	0.0	0.0
27-Apr	0.0	0.0	0.0	0	0.0	0.0
28-Apr	0.0	0.0	0.0	0	0.0	0.0
29-Apr	0.0	0.0	0.0	0	0.0	0.0
30-Apr	18.0	0.0	18.0	0	0.0	0.0
Total	58.0	0.0	58.0	0	0.0	0.0

Notes:

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