



July 1, 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 – May 2010

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

SNP Sampling

During the month of May 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 May 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 May 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

Baffinland Iron Mines Corporation

Suite 1016 120 Adelaide Street West, Toronto, ON Canada M5H 1T1
Tel: +1 (416) 364-8820 • Fax: +1 (416) 364-0193
www.baffinland.com



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 May
MRY-3	N/A	N/A	N/A for May
MRY-4	24-May-10	799555, 799561	Volume reported daily
MRY-5	N/A	N/A	N/A for May
MRY-6	N/A	N/A	N/A for May
MRY-7	N/A	N/A	N/A for May
MRY-8 / 9	N/A	N/A	Runoff was not observed, frozen conditions.
MRY-10	N/A	N/A	N/A for May
MRY-11	N/A	N/A	Runoff was not observed frozen conditions.
MRY-12	N/A	N/A	Run off was not observed, frozen conditions.

Table 2. Water Chemistry Results - May 2010

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
	MRY-4	24-May-10	Faecal Coliforms	10	ct/100 ml	Exova Accutest
	MRY-4	24-May-10	Biological Oxygen Demand	1	mg/L	Exova Accutest
	MRY-4	24-May-10	Chemical Oxygen Demand	35	mg/L	Exova Accutest
	MRY-4	24-May-10	pH	8.03	pH units	Exova Accutest
	MRY-4	24-May-10	Total Suspended Solids	<2	mg/L	Exova Accutest
	MRY-4	24-May-10	Oil and Grease	<1	mg/L	Exova Accutest
	MRY-401	24-May-10	Faecal Coliforms	530	ct/100 ml	Exova Accutest
	MRY-401	24-May-10	Biological Oxygen Demand	5	mg/L	Exova Accutest
	MRY-401	24-May-10	Chemical Oxygen Demand	30	mg/L	Exova Accutest
	MRY-401	24-May-10	pH	8.02	pH units	Exova Accutest
	MRY-401	24-May-10	Total Suspended Solids	3	mg/L	Exova Accutest
	MRY-401	24-May-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 - May 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-May	0.0	0.0	0.0	0	0.0	0.0
2-May	0.0	0.0	0.0	0	0.0	0.0
3-May	0.0	0.0	0.0	0	0.0	0.0
4-May	0.0	0.0	0.0	0	0.0	0.0
5-May	23.0	0.0	23.0	0	0.0	0.0
6-May	0.0	0.0	0.0	0	0.0	0.0
7-May	0.0	0.0	0.0	0	0.0	0.0
8-May	0.0	0.0	0.0	0	0.0	0.0
9-May	0.0	0.0	0.0	0	0.0	0.0
10-May	0.0	0.0	0.0	0	0.0	0.0
11-May	22.0	0.0	22.0	0	0.0	0.0
12-May	0.0	3.6	0.0	0	0.0	0.0
13-May	0.0	0.0	0.0	0	0.0	0.0
14-May	0.0	0.0	0.0	0	0.0	0.0
15-May	32.0	1.3	32.0	0	0.0	0.0
16-May	0.0	0.0	0.0	0	0.0	0.0
17-May	0.0	0.0	0.0	0	0.0	0.0
18-May	0.0	7.0	0.0	0	0.0	0.0
19-May	0.0	14.0	0.0	0	0.0	0.0
20-May	24.0	14.0	24.0	0	0.0	0.0
21-May	0.0	8.0	0.0	0	0.0	0.0
22-May	0.0	13.0	0.0	0	0.0	0.0
23-May	0.0	5.0	0.0	0	0.0	0.0
24-May	36.0	5.0	36.0	0	0.0	0.0
25-May	0.0	4.0	0.0	0	0.0	0.0
26-May	0.0	6.0	0.0	0	0.0	0.0
27-May	0.0	0.0	0.0	0	0.0	0.0
28-May	22.0	4.0	22.0	0	0.0	0.0
29-May	0.0	0.0	0.0	0	0.0	0.0
30-May	0.0	0.0	0.0	0	0.0	0.0
31-May	24.0	5.0	24.0	0	0.0	0.0
Total	183.0	89.9	183.0	0	0.0	0.0

Notes:

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