



January 30, 2011

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-MRY1114 Monthly SNP Report – December 2011

The following is the monthly report for December 2011 as required under Part I, Item 19 of Water License 2BB-MRY1114.

SNP Sampling

During the month of December 2011, 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 and Milne Inlet Camp are attached in Table 3.

SNP Results

A) Water Sampling and Analysis Results

Table 2 provides the analytical results related to SNP sampling requirements for December 2011.

B) Flow and Volume Measurements

Table 3 provides a breakdown of volume measurements as requested in Part I, Item 9 of the water license for December 2011.

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: AndrewKeim (AANDC), Salamonie Shoo (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 for December 2011

SNP Station	Sampling Date	Lab ID#	Comment
MRY-1	N/A	N/A	Daily Volumes Reported
MRY-2	N/A	N/A	N/A - Water take location not active
MRY-3	N/A	N/A	N/A – Water take location not active
MRY-4	01-Dec-11 22-Dec-11	929565 929566 935567	Volume reported daily
MRY-5	N/A	N/A	N/A – RBC not operating
MRY-6	N/A	N/A	N/A - frozen conditions, no flow
MRY-7	N/A	N/A	N/A - frozen conditions, no flow
MRY-8/9	N/A	N/A	N/A - frozen conditions, no flow
MRY-10	N/A	N/A	N/A - frozen conditions, no flow
MRY-11	N/A	N/A	N/A - frozen conditions, no flow
MRY-12	N/A	N/A	N/A - frozen conditions, no flow
MRY-13	N/A	N/A	N/A - frozen conditions, no flow

Note; N/A not applicable

Table 2. Water Chemistry Results - December 2011

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
929566	MRY-4	01-Dec-11	Biochemical Oxygen Demand	<1	mg/L	Exova Accutest
929565	MRY-4	01-Dec-11	Faecal Coliforms	1	CFU/100mL	Exova Accutest
929566	MRY-4	01-Dec-11	Oil & Grease - Total	<1	mg/L	Exova Accutest
929566	MRY-4	01-Dec-11	pH	8.06	pH units	Exova Accutest
929566	MRY-4	01-Dec-11	Total Suspended Solids	2	mg/L	Exova Accutest
935690	MRY-4	22-Dec-11	Biochemical Oxygen Demand	<1	mg/L	Exova Accutest
935567	MRY-4	22-Dec-11	Faecal Coliforms	0	CFU/100mL	Exova Accutest
935680	MRY-4	22-Dec-11	Oil & Grease - Total	<1	mg/L	Exova Accutest
935680	MRY-4	22-Dec-11	pH	7.95	pH units	Exova Accutest
935680	MRY-4	22-Dec-11	Total Suspended Solids	<2	mg/L	Exova Accutest

Table 3: Flow and Volume Measurements-Part I Item 9 - December 2011

DATE	Camp Lake Freshwater Use (Mary River Camp) - Daily Potable Water (m³) - MRY-1	Phillips Creek Summer Freshwater Use (Milne Inlet Camp) - Daily Potable Water (m³)	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-Dec	0.0	0.0	0.0	0.0	0.0
2-Dec	0.0	0.0	0.0	0.0	0.0
3-Dec	0.0	0.0	0.0	0.0	0.0
4-Dec	0.0	0.0	0.0	0.0	0.0
5-Dec	0.0	0.0	0.0	0.0	0.0
6-Dec	19.3	0.0	19.3	0.0	0.0
7-Dec	0.0	0.0	0.0	0.0	0.0
8-Dec	0.0	0.0	0.0	0.0	0.0
9-Dec	0.0	0.0	0.0	0.0	0.0
10-Dec	0.0	0.0	0.0	0.0	0.0
11-Dec	0.0	0.0	0.0	0.0	0.0
12-Dec	18.2	0.0	18.2	0.0	0.0
13-Dec	0.0	0.0	0.0	0.0	0.0
14-Dec	0.0	0.0	0.0	0.0	0.0
15-Dec	0.0	0.0	0.0	0.0	0.0
16-Dec	0.0	0.0	0.0	0.0	0.0
17-Dec	0.0	0.0	0.0	0.0	0.0
18-Dec	0.0	0.0	0.0	0.0	0.0
19-Dec	0.0	0.0	0.0	0.0	0.0
20-Dec	15.1	0.0	15.1	0.0	0.0
21-Dec	0.0	0.0	0.0	0.0	0.0
22-Dec	0.0	0.0	0.0	0.0	0.0
23-Dec	0.0	0.0	0.0	0.0	0.0
24-Dec	0.0	0.0	0.0	0.0	0.0
25-Dec	0.0	0.0	0.0	0.0	0.0
26-Dec	0.0	0.0	0.0	0.0	0.0
27-Dec	0.0	0.0	0.0	0.0	0.0
28-Dec	0.0	0.0	0.0	0.0	0.0
29-Dec	0.0	0.0	0.0	0.0	0.0
30-Dec	0.0	0.0	0.0	0.0	0.0
31-Dec	0.0	0.0	0.0	0.0	0.0
Totals	52.6	0.0	52.6	0.0	0.0

Notes:

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