



March 29, 2013

Manager of Licensing
Nunavut Water Board
P.O. Box 119
Gjoa Haven, NU X0B 1J0

Water Resources Officer, AANDC
Nunavut District, Nunavut Region
P.O. Box 100
Iqaluit, NU X0A 0H0

RE: Water License 2BB-MRY1114 Monthly SNP Report – February 2013

The following is the monthly report for February 2013 as required under Part I, Item 19 of Water License 2BB-MRY1114.

SNP Sampling

During the month of February 2013, 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 and the volumes of treated sewage effluent discharged at Mary River 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 February 2013.

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 February 2013.

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(cell) / 647-693-9447(site) or by e-mail at jim.millard@baffinland.com.

Regards,

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

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

Attach: Tables 1, 2 and 3 (three pages)

Cc: Andrew Keim (AANDC) and Stephen Bathory and Joel Fortier (QIA)

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Table 1: SNP Water Sampling Summary for February 2013

SNP Station	Sampling Date	Lab ID#	Comment
MRY-1	N/A	N/A	Volume reported daily
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	February 14	1011996 1011999	Volume reported daily
MRY-5	N/A	N/A	N/A - RBC not operating
MRY-6	N/A	N/A	No discharge, frozen conditions
MRY-7	N/A	N/A	No discharge, frozen conditions
MRY-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-13A	N/A	N/A	N/A – Frozen Conditions, no flow
MRY-13B	N/A	N/A	N/A – Frozen Conditions, no flow

Notes:

MRY-9 is downstream of bulk sample pit/bench.

MRY-10 is downstream of bulk sample weathered ore/waste rock pile.

MRY-11 is downstream of bulk sample crusher area.

MRY-12 is downstream of bulk ore stockpile area at Milne Inlet.

MRY-13A and B are downstream of non-hazardous landfill facility.

Table 2. Water Chemistry Results - February 2013

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
1011996	MRY - 4	14-Feb-13	Biochemical Oxygen Demand	<1	mg/L	Exova Accutest
1011996	MRY - 4	14-Feb-13	Chemical Oxygen Demand	6	mg/L	Exova Accutest
1011999	MRY - 4	14-Feb-13	Faecal Coliforms	0	mg/L	Exova Accutest
1011996	MRY - 4	14-Feb-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1011996	MRY - 4	14-Feb-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1011996	MRY - 4	14-Feb-13	pH	7.86	pH units	Exova Accutest

Notes:

Table 3: Flow and Volume Measurements-Part I Item 7 - February 2013

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	Three Km Lake Steensby Inlet Daily Potable Water (m³)	Km 32 Lake Milne Inlet Camp Daily Potable Water (m³) MRY-3	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-Feb	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-Feb	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-Feb	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-Feb	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-Feb	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6-Feb	15.5	0.0	0.0	0.0	15.5	0.0	0.0
7-Feb	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8-Feb	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9-Feb	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-Feb	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11-Feb	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12-Feb	11.4	0.0	0.0	0.0	11.4	0.0	0.0
13-Feb	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14-Feb	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15-Feb	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16-Feb	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17-Feb	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18-Feb	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-Feb	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-Feb	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-Feb	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-Feb	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-Feb	19.7	0.0	0.0	0.0	19.7	0.0	0.0
24-Feb	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25-Feb	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26-Feb	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27-Feb	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28-Feb	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	46.6	0.0	0.0	0.0	46.6	0.0	0.0

Notes:

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