



February 28, 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 – January 2013

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

SNP Sampling

During the month of January 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 January 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 January 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', with a stylized flourish at the end.

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 January 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	January 3 January 24	1006189, 1006195 1009089	Volume reported daily
MRY-401	January 3	1006190, 1006196	Field Duplicate for MRY-4
MRY-402	January 3	1006191, 1006197	Field Blank for MRY-4
MRY-403	January 3	1006192, 1006198	Travel Blank for MRY-4
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-8/9 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 - January 2013

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
1006189	MRY - 4	03-Jan-13	Biochemical Oxygen Demand	<1	mg/L	Exova Accutest
1006189	MRY - 4	03-Jan-13	Chemical Oxygen Demand	19	mg/L	Exova Accutest
1006195	MRY - 4	03-Jan-13	Faecal Coliforms	<10	mg/L	Exova Accutest
1006189	MRY - 4	03-Jan-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1006189	MRY - 4	03-Jan-13	Total Suspended Solids	4	mg/L	Exova Accutest
1006189	MRY - 4	03-Jan-13	pH	7.83	pH units	Exova Accutest
1006190	MRY - 401	03-Jan-13	Biochemical Oxygen Demand	1	mg/L	Exova Accutest
1006190	MRY - 401	03-Jan-13	Chemical Oxygen Demand	11	mg/L	Exova Accutest
1006196	MRY - 401	03-Jan-13	Faecal Coliforms	<10	mg/L	Exova Accutest
1006190	MRY - 401	03-Jan-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1006190	MRY - 401	03-Jan-13	Total Suspended Solids	4	mg/L	Exova Accutest
1006190	MRY - 401	03-Jan-13	pH	7.86	pH units	Exova Accutest
1006191	MRY - 402	03-Jan-13	Biochemical Oxygen Demand	<1	mg/L	Exova Accutest
1006191	MRY - 402	03-Jan-13	Chemical Oxygen Demand	<5	mg/L	Exova Accutest
1006197	MRY - 402	03-Jan-13	Faecal Coliforms	<10	mg/L	Exova Accutest
1006191	MRY - 402	03-Jan-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1006191	MRY - 402	03-Jan-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1006191	MRY - 402	03-Jan-13	pH	7.82	pH units	Exova Accutest
1006192	MRY - 403	03-Jan-13	Biochemical Oxygen Demand	<1	mg/L	Exova Accutest
1006192	MRY - 403	03-Jan-13	Chemical Oxygen Demand	<5	mg/L	Exova Accutest
1006198	MRY - 403	03-Jan-13	Faecal Coliforms	<10	mg/L	Exova Accutest
1006192	MRY - 403	03-Jan-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1006192	MRY - 403	03-Jan-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1006192	MRY - 403	03-Jan-13	pH	8.43	pH units	Exova Accutest
1009089	MRY - 4	24-Jan-13	Biochemical Oxygen Demand	<1	mg/L	Exova Accutest
1009089	MRY - 4	24-Jan-13	Chemical Oxygen Demand	8	mg/L	Exova Accutest
	MRY - 4	24-Jan-13	Faecal Coliforms	*	mg/L	Exova Accutest
1009089	MRY - 4	24-Jan-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1009089	MRY - 4	24-Jan-13	Total Suspended Solids	5	mg/L	Exova Accutest
1009089	MRY - 4	24-Jan-13	pH	7.86	pH units	Exova Accutest

Notes:

MRY-401 is a field duplicate of MRY-4

MRY-402 is a field blank of MRY-4

MRY-403 is a travel blank of MRY-4

* Faecal coliform analysis was not performed as the holding time for the samples was exceeded due to flight cancellations.

Table 3: Flow and Volume Measurements-Part I Item 7 - January 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-Jan	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-Jan	25.7	0.0	0.0	0.0	25.7	0.0	0.0
3-Jan	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-Jan	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-Jan	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6-Jan	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7-Jan	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8-Jan	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9-Jan	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-Jan	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11-Jan	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12-Jan	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13-Jan	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14-Jan	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15-Jan	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16-Jan	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17-Jan	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18-Jan	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-Jan	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-Jan	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-Jan	19.7	0.0	0.0	0.0	19.7	0.0	0.0
22-Jan	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-Jan	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24-Jan	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25-Jan	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26-Jan	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27-Jan	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28-Jan	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29-Jan	11.7	0.0	0.0	0.0	11.7	0.0	0.0
30-Jan	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31-Jan	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	57.2	0.0	0.0	0.0	57.2	0.0	0.0

Notes:

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