



December 30, 2012

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 – November 2012

The following is the monthly report for November 2012 as required under Part I, Item 19 of Water License 2BB-MRY1114.

SNP Sampling

During the month of November 2012, 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 November 2012.

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 November 2012.

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: Melissa Joy (AANDC)
Stephen Bathory and Joel Fortier (QIA)

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Table 1: SNP Water Sampling Summary for November 2012

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	November 1 November 22	995066, 995107 1001354, 1001360	Volume reported daily
MRY-401	November 22	1001355, 1001361	Field Duplicate for MRY-4
MRY-402	November 22	1001358, 1001364	Field Blank for MRY-4
MRY-403	November 22	1001359, 1001365	Travel Blank for MRY-4
MRY-5	N/A	N/A	RBC not operating
MRY-6	N/A	N/A	Frozen conditions
MRY-7	N/A	N/A	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 - November 2012

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
991001	MRY - 4-DUP	10-Oct-12	Biochemical Oxygen Demand	4	mg/L	Exova Accutest
991001	MRY - 4-DUP	10-Oct-12	Chemical Oxygen Demand	20	mg/L	Exova Accutest
991008	MRY - 4-DUP	10-Oct-12	Faecal Coliforms	0	mg/L	Exova Accutest
991001	MRY - 4-DUP	10-Oct-12	Oil & Grease - Total	<1	mg/L	Exova Accutest
991001	MRY - 4-DUP	10-Oct-12	Total Suspended Solids	3*	mg/L	Exova Accutest
991001	MRY - 4-DUP	10-Oct-12	pH	8.1	pH units	Exova Accutest
Notes: * Field duplicate TSS result was reported as elevated in the October report. Cause for this was a laboratory reporting error.						
995107	MRY - 4	01-Nov-12	Biochemical Oxygen Demand	1	mg/L	Exova Accutest
995107	MRY - 4	01-Nov-12	Chemical Oxygen Demand	20	mg/L	Exova Accutest
995066	MRY - 4	01-Nov-12	Faecal Coliforms	1	mg/L	Exova Accutest
995107	MRY - 4	01-Nov-12	Oil & Grease - Total	<1	mg/L	Exova Accutest
995107	MRY - 4	01-Nov-12	Total Suspended Solids	5	mg/L	Exova Accutest
995107	MRY - 4	01-Nov-12	pH	7.72	pH units	Exova Accutest
1001360	MRY - 4	22-Nov-12	Biochemical Oxygen Demand	2	mg/L	Exova Accutest
1001360	MRY - 4	22-Nov-12	Chemical Oxygen Demand	21	mg/L	Exova Accutest
1001354	MRY - 4	22-Nov-12	Faecal Coliforms	0	mg/L	Exova Accutest
1001360	MRY - 4	22-Nov-12	Oil & Grease - Total	<1	mg/L	Exova Accutest
1001360	MRY - 4	22-Nov-12	Total Suspended Solids	5	mg/L	Exova Accutest
1001360	MRY - 4	22-Nov-12	pH	8.03	pH units	Exova Accutest
1001361	MRY - 401	22-Nov-12	Biochemical Oxygen Demand	2	mg/L	Exova Accutest
1001361	MRY - 401	22-Nov-12	Chemical Oxygen Demand	21	mg/L	Exova Accutest
1001355	MRY - 401	22-Nov-12	Faecal Coliforms	0	mg/L	Exova Accutest
1001361	MRY - 401	22-Nov-12	Oil & Grease - Total	<1	mg/L	Exova Accutest
1001361	MRY - 401	22-Nov-12	Total Suspended Solids	5	mg/L	Exova Accutest
1001361	MRY - 401	22-Nov-12	pH	8.15	pH units	Exova Accutest
1001364	MRY - 402	22-Nov-12	Biochemical Oxygen Demand	2	mg/L	Exova Accutest
1001364	MRY - 402	22-Nov-12	Chemical Oxygen Demand	<5	mg/L	Exova Accutest
1001358	MRY - 402	22-Nov-12	Faecal Coliforms	0	mg/L	Exova Accutest
1001364	MRY - 402	22-Nov-12	Oil & Grease - Total	<1	mg/L	Exova Accutest
1001364	MRY - 402	22-Nov-12	Total Suspended Solids	<2	mg/L	Exova Accutest
1001364	MRY - 402	22-Nov-12	pH	7.63	pH units	Exova Accutest
1001365	MRY - 403	22-Nov-12	Biochemical Oxygen Demand	<1	mg/L	Exova Accutest
1001365	MRY - 403	22-Nov-12	Chemical Oxygen Demand	<5	mg/L	Exova Accutest
1001359	MRY - 403	22-Nov-12	Faecal Coliforms	0	mg/L	Exova Accutest
1001365	MRY - 403	22-Nov-12	Oil & Grease - Total	<1	mg/L	Exova Accutest
1001365	MRY - 403	22-Nov-12	Total Suspended Solids	<2	mg/L	Exova Accutest
1001365	MRY - 403	22-Nov-12	pH	7.81	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

Table 3: Flow and Volume Measurements-Part I Item 7 - November 2012

DATE	Camp Lake Freshwater Use (Mary River Camp) - Daily Potable Water (m ³) - MRY-1	Camp Lake Daily Freshwater Use for Other Purposes - (m ³) - MRY-1	Three Km Lake Steensby Inlet Daily Potable Water (m ³)	Km 32 Lake Milne Inlet Camp Daily Potable Water (m ³) MRY-3	Treated Sewage Effluent (m ³) from WWTF to PWSP at Mary River Camp - MRY-4	Sewage Sludge Removed (m ³) from Mary River WWTP	Treated Sewage Effluent (m ³) from PWSP to Sheardown Lake (MRY-4a,b,c)
1-Nov	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-Nov	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-Nov	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-Nov	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-Nov	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6-Nov	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7-Nov	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8-Nov	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9-Nov	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-Nov	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11-Nov	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12-Nov	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13-Nov	26.9	0.0	0.0	0.0	26.9	0.0	0.0
14-Nov	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15-Nov	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16-Nov	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17-Nov	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18-Nov	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-Nov	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-Nov	18.1	0.0	0.0	0.0	18.1	0.0	0.0
21-Nov	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-Nov	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-Nov	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24-Nov	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25-Nov	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26-Nov	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27-Nov	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28-Nov	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29-Nov	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30-Nov	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	45.0	0.0	0.0	0.0	45.0	0.0	0.0

Notes:

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