

June 30, 2011

Manager of Licensing
Nunavut Water Board
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Water Resources Officer, INAC
Nunavut District, Nunavut Region
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Iqaluit, NU X0A 0H0

RE: Water License 2BB-MRY1114 Monthly SNP Report – May 2011

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

SNP Sampling

During the month of May 2011, samples were collected at MRY-4 and MRY-4C 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 Steensby Inlet Camp have been collected and are attached in Table 3.

SNP Results

A) Water Sampling and Analysis Results

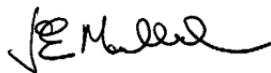
Table 2 provides the results related to SNP sampling requirements for May 2011.

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 May 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,



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

Attach: Tables 1, 2 and 3 (three pages)
Cc: Bryan Rayner, Stephen Bathory QIA

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Table 1: May 2011 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	22-May-11	882198, 882126	Volume reported daily
MRY-4C	22-May-11	882199, 882127	Volume reported daily
	31-May-11	885069, 885054	Volume reported daily
	31-May-11	884985	Acute Lethality
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	N/A for May
MRY-10	N/A	N/A	N/A for May
MRY-11	N/A	N/A	N/A for May
MRY-12	N/A	N/A	N/A for May
MRY-13	N/A	N/A	N/A for May

Table 2. Water Chemistry Results - May 2011						
Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
882198	MRY-4	22-May-11	Faecal Coliforms	10	CFU/100 ml	Exova Accutest
882126	MRY-4	22-May-11	Biological Oxygen Demand	3	mg/L	Exova Accutest
882126	MRY-4	22-May-11	pH	7.65	pH units	Exova Accutest
882126	MRY-4	22-May-11	Total Suspended Solids	5	mg/L	Exova Accutest
882126	MRY-4	22-May-11	Oil and Grease	<1	mg/L	Exova Accutest
882199	MRY-4C	22-May-11	Faecal Coliforms	<10	CFU/100 ml	Exova Accutest
882127	MRY-4C	22-May-11	Biological Oxygen Demand	2	mg/L	Exova Accutest
882127	MRY-4C	22-May-11	pH	8.00	pH units	Exova Accutest
882127	MRY-4C	22-May-11	Total Suspended Solids	3	mg/L	Exova Accutest
882127	MRY-4C	22-May-11	Oil and Grease	<1	mg/L	Exova Accutest
885069	MRY-4C	31-May-11	Faecal Coliforms	0	CFU/100 ml	Exova Accutest
885054	MRY-4C	31-May-11	Biological Oxygen Demand	2	mg/L	Exova Accutest
885054	MRY-4C	31-May-11	pH	8.12	pH units	Exova Accutest
885054	MRY-4C	31-May-11	Total Suspended Solids	<2	mg/L	Exova Accutest
885054	MRY-4C	31-May-11	Oil and Grease	*	mg/L	Exova Accutest
884985	MRY-4C	31-May-11	Toxicity*	Non-lethal	-	Exova

Note: Oil and grease not analyzed on May 31 due to sample collection error.

Acute lethality to Rainbow trout, *Oncorhynchus mykiss* (as per Environment Canada's Environmental Protection Series Method EPS/1/RM/13)

Acute lethality to *Daphnia magna* (as per Environment Canada's Environmental Protection Series Biological Test Method EPS/1/RM/14).

Sample ID MRY-4C corresponds to PWSP No. 3.

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

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)	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) - Geotechnical	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	0.0	0.0
2-May	26.1	0.0	0.0	26.1	0.0	0.0	0.0
3-May	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-May	26.5	0.0	3.8	26.5	0.0	0.0	0.0
5-May	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6-May	24.6	0.0	2.8	24.6	0.0	0.0	0.0
7-May	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8-May	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9-May	19.3	0.0	4.2	19.3	0.0	0.0	0.0
10-May	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11-May	26.9	0.0	2.7	26.9	0.0	0.0	0.0
12-May	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13-May	0.0	0.0	3.6	0.0	0.0	0.0	0.0
14-May	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15-May	28.0	0.0	11.4	28.0	0.0	0.0	0.0
16-May	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17-May	15.1	0.0	6.8	15.1	0.0	0.0	0.0
18-May	25.0	8.1	0.0	25.0	0.0	0.0	0.0
19-May	0.0	9.1	0.0	0.0	0.0	0.0	0.0
20-May	14.8	4.2	9.1	14.8	0.0	0.0	0.0
21-May	12.5	27.3	0.0	12.5	0.0	0.0	0.0
22-May	6.1	8.0	9.1	6.1	0.0	0.0	0.0
23-May	32.9	9.8	0.0	32.9	0.0	1.5	0.0
24-May	20.1	12.9	6.8	20.1	0.0	0.0	0.0
25-May	0.0	0.0	0.0	0.0	0.0	8.7	0.0
26-May	14.4	6.8	10.2	14.4	0.0	15.1	0.0
27-May	11.4	4.5	0.0	11.4	0.0	12.9	0.0
28-May	17.0	20.4	0.0	17.0	0.0	0.0	0.0
29-May	19.7	16.7	0.0	19.7	0.0	43.9	105.0
30-May	17.4	4.5	0.0	17.4	0.0	30.7	119.0
31-May	0.0	7.6	9.1	0.0	0.0	42.4	111.0
Total	357.7	139.8	79.7	357.7	0.0	155.2	335.0

Notes:

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