



August 1, 2009

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-MRY0710 Monthly SNP Report – June 2009

Following is the monthly report for June 2009 as required under Part I, Item 19 of Water License 2BB-MRY0710.

SNP Sampling

During the month of June 2009, samples were collected at MRY-4, MRY-4a, MRY-4b, MRY-4c (corresponding to PWSP No. 1, PWSP No. 2, and PWSP No. 3, respectively), and MRY-5a as part of the SNP sampling program. A list of samples required under the Water License is found in Table 1 and details which samples have been collected, sample date and lab identification number for water chemistry samples. Analyses conducted for the SNP samples are presented in Table 2. Volumes consumed for domestic water at Mary River have been collected and are attached in Table 3.

Table 1: SNP Water Sampling Summary

SNP Station	Sampling Date	Lab ID#	Comment
MRY-1			Volume reported daily
MRY-2			N/A for June
MRY-3			N/A for June
MRY-4	30-Jun-09	726540, 726503	Volume reported daily
MRY-4a	24-Jun-09	725225, 725300	
MRY-4b	24-Jun-09	725227, 725301	
MRY-4c	24 and 30-Jun-09	725230, 725303, 726422	
MRY-5			N/A for June
MRY-5a	9-Jun-09	720524, 720522, 720598	Sampled in preparation for discharge and at end of discharge.
	28-Jun-09	726537, 726504	
MRY-6			N/A for June
MRY-7			N/A for June
MRY-8 / 9			N/A for June
MRY-10			N/A for June
MRY-11			N/A for June
MRY-12			N/A for June

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SNP Results

A) Water Sampling and Analysis Results

Table 2 provides the results related to SNP sampling requirements for June 2009.

B) Flow and Volume Measurements

Table 3 provides a breakdown of volume measurements as requested in Part I, Item 7 of the water license for June 2009.

We hope that the information provided in this monthly report is acceptable and should you have any questions regarding this report please contact the undersigned at 403-450-8843 or by e-mail at jim.millard@baffinland.com.

Regards,

A handwritten signature in black ink, appearing to read "J. Millard", written in a cursive style.

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

Attach: Tables 2 and 3 (two pages)

Cc: Andrew Keim, INAC
Stephen Bathory QIA

Table 2. Water Chemistry Results - June 2009						
Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
720524	MRY-5a	9-Jun-09	Biological Oxygen Demand	8	mg/L	Accutest
720524	MRY-5a	9-Jun-09	pH	6.84	pH units	Accutest
720524	MRY-5a	9-Jun-09	Total Suspended Solids	31	mg/L	Accutest
720524	MRY-5a	9-Jun-09	Oil and Grease	<1	mg/L	Accutest
720522	MRY-5a	9-Jun-09	Faecal Coliforms	<10	ct/100 ml	Accutest
720598	MRY-5a	9-Jun-09	Acute Toxicity	Pass		BodyCote
725225	MRY-4a	24-Jun-09	Biological Oxygen Demand	18	mg/L	Accutest
725225	MRY-4a	24-Jun-09	pH	7.68	pH units	Accutest
725225	MRY-4a	24-Jun-09	Total Suspended Solids	25	mg/L	Accutest
725225	MRY-4a	24-Jun-09	Oil and Grease	<1	mg/L	Accutest
725300	MRY-4a	24-Jun-09	Faecal Coliforms	<10	ct/100 ml	Accutest
725227	MRY-4b	24-Jun-09	Biological Oxygen Demand	17	mg/L	Accutest
725227	MRY-4b	24-Jun-09	pH	7.56	pH units	Accutest
725227	MRY-4b	24-Jun-09	Total Suspended Solids	43	mg/L	Accutest
725227	MRY-4b	24-Jun-09	Oil and Grease	<1	mg/L	Accutest
725301	MRY-4b	24-Jun-09	Faecal Coliforms	<10	ct/100 ml	Accutest
725230	MRY-4c	24-Jun-09	Biological Oxygen Demand	14	mg/L	Accutest
725230	MRY-4c	24-Jun-09	pH	8.53	pH units	Accutest
725230	MRY-4c	24-Jun-09	Total Suspended Solids	17	mg/L	Accutest
725230	MRY-4c	24-Jun-09	Oil and Grease	<1	mg/L	Accutest
725303	MRY-4c	24-Jun-09	Faecal Coliforms	<10	ct/100 ml	Accutest
726537	MRY-5a	28-Jun-09	Biological Oxygen Demand	27	mg/L	Accutest
726537	MRY-5a	28-Jun-09	pH	8.20	pH units	Accutest
726537	MRY-5a	28-Jun-09	Total Suspended Solids	52	mg/L	Accutest
726537	MRY-5a	28-Jun-09	Oil and Grease	<1	mg/L	Accutest
726504	MRY-5a	28-Jun-09	Faecal Coliforms	<10	ct/100 ml	Accutest
726422	MRY-4c	30-Jun-09	Acute Toxicity	Pass		BodyCote
726540	MRY-4	30-Jun-09	Biological Oxygen Demand	45	mg/L	Accutest
726540	MRY-4	30-Jun-09	pH	7.95	pH units	Accutest
726540	MRY-4	30-Jun-09	Total Suspended Solids	23	mg/L	Accutest
726540	MRY-4	30-Jun-09	Oil and Grease	<1	mg/L	Accutest
726503	MRY-4	30-Jun-09	Faecal Coliforms	220	ct/100 ml	Accutest

Notes: Samples MRY-4a, MRY-4b, MRY-4c correspond to Mary River Camp PWSP No. 1, PWSP No. 2, and PWSP No. 3, respectively.

Table 3: Flow and Volume Measurements-Part I Item 7 - June 2009

DATE	Camp Lake Freshwater Use (Mary River Camp) - Daily Potable Water (m³)	Camp Lake Daily Freshwater Use for Other Purposes (m³)	Treated Sewage Effluent (m³) from WWTF to PWSP at Mary River Camp	Sewage Sludge Removed (m³) from Mary River WWTP	Daily Drill Water Use (m³) - Geotechnical and Exploration	Treated Sewage Effluent (m³) from PWSP to Milne Inlet
1-Jun	7.2	6.2	7.2	0	0.0	0.0
2-Jun	10.6	0.0	10.6	0	0.0	0.0
3-Jun	5.5	5.2	5.5	0	0.0	0.0
4-Jun	0.0	6.2	0.0	0	0.0	0.0
5-Jun	29.0	8.4	29.0	0	0.0	0.0
6-Jun	16.3	0.0	16.3	0	0.0	0.0
7-Jun	17.8	0.0	17.8	0	0.0	0.0
8-Jun	0.0	0.0	0.0	0	0.0	0.0
9-Jun	0.0	5.0	0.0	0	0.0	0.0
10-Jun	0.0	0.0	0.0	0	0.0	0.0
11-Jun	38.5	0.0	38.5	0	0.0	0.0
12-Jun	0.0	0.0	0.0	0	0.0	0.0
13-Jun	0.0	0.0	0.0	0	0.0	0.0
14-Jun	6.0	0.0	6.0	0	13.2	0.0
15-Jun	0.0	0.0	0.0	0	40.7	0.0
16-Jun	0.3	7.0	0.3	0	54.4	0.0
17-Jun	12.1	0.0	12.1	0	39.8	0.0
18-Jun	0.0	0.0	0.0	0	19.4	0.0
19-Jun	25.8	0.0	25.8	0	59.6	0.0
20-Jun	0.0	0.0	0.0	0	57.9	0.0
21-Jun	0.0	0.0	0.0	0	60.9	0.0
22-Jun	19.6	0.0	19.6	0	38.0	0.0
23-Jun	0.0	0.0	0.0	0	6.8	0.0
24-Jun	0.0	0.0	0.0	0	23.0	89.5
25-Jun	23.7	0.0	23.7	0	39.8	118.6
26-Jun	0.0	0.0	0.0	0	87.1	123.1
27-Jun	0.0	0.0	0.0	0	43.9	0.0
28-Jun	0.0	0.0	0.0	0	58.2	0.0
29-Jun	29.6	0.0	29.6	0	54.1	0.0
30-Jun	0.0	0.0	0.0	0	45.9	0.0
Total	242.1	37.9	242.1	0	742.7	331.2

Notes:

WWTP - Waste Water Treatment Plant

PWSP - Polishing Waste Settling Pond

Other purposes includes the steaming of culverts on the Milne Tote Road and other minor uses.