



October 31, 2009

Manager of Licensing
Nunavut Water Board
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Water Resources Officer, INAC
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RE: Water License 2BB-MRY0710 Monthly SNP Report – September 2009

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

SNP Sampling

During the month of September 2009, samples were collected at MRY-4, MRY-7, and MRY-10 as part of the SNP sampling program. Surveys were completed at MRY-8/9, MRY-11 and MRY-12 during September with no observable discharge/run off from these areas. 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 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 September 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 September 2009.

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 403-450-8843 or by e-mail at jim.millard@baffinland.com.

Regards,

Cheryl Wray
Environmental Superintendent

Attach: Tables 1, 2 and 3 (three pages)
Cc: Andrew Keim, INAC, Stephen Bathory QIA



Table 1: 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 September
MRY-3	N/A	N/A	N/A for September
MRY-4	30-Sep-09	748563,748558	Volume reported daily
MRY-401	30-Sep-09	748564,748560	QA/QC Duplicate Sample
MRY-402	30-Sep-09	748561	QA/QC Field Blank
MRY-403	30-Sep-09	748562	QA/QC Travel Blank
MRY-5	N/A	N/A	N/A for September
MRY-6	N/A	N/A	N/A for September
MRY-7	01-Sep-09	740940	
MRY-8 / 9	N/A	N/A	Run off was not observed during the September surveys.
MRY-10	04-Sep-09	741771,741787	
MRY-11	N/A	N/A	Run off was not observed during the September surveys.
MRY-12	N/A	N/A	Run off was not observed during the September surveys.

Table 2. Water Chemistry Results - September 2009

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
748563	MRY-4	30-Sep-09	Faecal Coliforms	<10	ct/100 ml	Exova Accutest
748558	MRY-4	30-Sep-09	Biological Oxygen Demand	7	mg/L	Exova Accutest
748558	MRY-4	30-Sep-09	pH	8.04	pH units	Exova Accutest
748558	MRY-4	30-Sep-09	Total Suspended Solids	7	mg/L	Exova Accutest
748558	MRY-4	30-Sep-09	Oil and Grease	<1	mg/L	Exova Accutest
748560	MRY-401	30-Sep-09	Biological Oxygen Demand	7	mg/L	Exova Accutest
748560	MRY-401	30-Sep-09	pH	7.99	pH units	Exova Accutest
748560	MRY-401	30-Sep-09	Total Suspended Solids	8	mg/L	Exova Accutest
748560	MRY-401	30-Sep-09	Oil and Grease	<1	mg/L	Exova Accutest
748564	MRY-401	30-Sep-09	Faecal Coliforms	<10	ct/100 ml	Exova Accutest
748561	MRY-402	30-Sep-09	Biological Oxygen Demand	<1	mg/L	Exova Accutest
748561	MRY-402	30-Sep-09	pH	6.22	pH units	Exova Accutest
748561	MRY-402	30-Sep-09	Total Suspended Solids	<2	mg/L	Exova Accutest
748561	MRY-402	30-Sep-09	Oil and Grease	<1	mg/L	Exova Accutest
748562	MRY-403	30-Sep-09	Biological Oxygen Demand	<1	mg/L	Exova Accutest
748562	MRY-403	30-Sep-09	pH	5.83	pH units	Exova Accutest
748562	MRY-403	30-Sep-09	Total Suspended Solids	<2	mg/L	Exova Accutest
748562	MRY-403	30-Sep-09	Oil and Grease	<1	mg/L	Exova Accutest
740940	MRY-7 Batch 5a	1-Sep-09	Ethylbenzene	<0.5	ug/L	Exova Accutest
740940	MRY-7 Batch 5a	1-Sep-09	Toluene	<0.5	ug/L	Exova Accutest
740940	MRY-7 Batch 5a	1-Sep-09	Benzene	<0.5	ug/L	Exova Accutest
740940	MRY-7 Batch 5a	1-Sep-09	Oil & Grease	5	mg/L	Exova Accutest
740940	MRY-7 Batch 5a	1-Sep-09	Lead	<0.001	mg/L	Exova Accutest
741787	MRY-10	4-Sep-09	Total Arsenic	<0.0001	ug/L	Exova Accutest
741787	MRY-10	4-Sep-09	Total Copper	0.00084	ug/L	Exova Accutest
741787	MRY-10	4-Sep-09	Total Lead	<0.00005	ug/L	Exova Accutest
741787	MRY-10	4-Sep-09	Total Nickel	<0.0005	ug/L	Exova Accutest
741787	MRY-10	4-Sep-09	Total Zinc	0.001	ug/L	Exova Accutest
741771	MRY-10	4-Sep-09	Total Suspended Solids	<2	mg/L	Exova Accutest
741771	MRY-10	4-Sep-09	Oil and Grease	no sheen		Field
741771	MRY-10	4-Sep-09	pH	7.96	pH units	Exova Accutest

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

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	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) - Exploration	Treated Sewage Effluent (m³) from PWSP to Sheardown Lake (MRY-4a,b,c)
1-Sep	0.0	0.0	0.0	0	0.0	0.0
2-Sep	26.3	0.0	26.3	0	0.0	0.0
3-Sep	0.0	0.0	0.0	0	0.0	0.0
4-Sep	0.0	0.0	0.0	0	0.0	0.0
5-Sep	23.5	0.0	23.5	0	0.0	0.0
6-Sep	0.0	0.0	0.0	0	0.0	0.0
7-Sep	17.0	0.0	17.0	0	0.0	0.0
8-Sep	0.0	0.0	0.0	0	0.0	0.0
9-Sep	24.1	0.0	24.1	0	0.0	0.0
10-Sep	28.4	0.0	28.4	0	0.0	0.0
11-Sep	0.0	0.0	0.0	0	0.0	0.0
12-Sep	0.0	0.0	0.0	0	0.0	0.0
13-Sep	0.0	0.0	0.0	0	0.0	0.0
14-Sep	31.0	0.0	31.0	0	0.0	0.0
15-Sep	0.0	0.0	0.0	0	0.0	0.0
16-Sep	0.0	0.0	0.0	0	0.0	0.0
17-Sep	0.0	0.0	0.0	0	0.0	0.0
18-Sep	31.2	0.0	31.2	0	0.0	0.0
19-Sep	0.0	0.0	0.0	0	0.0	0.0
20-Sep	0.0	0.0	0.0	0	0.0	0.0
21-Sep	0.0	0.0	0.0	0	0.0	0.0
22-Sep	24.4	0.0	24.4	0	0.0	0.0
23-Sep	0.0	0.0	0.0	0	0.0	0.0
24-Sep	0.0	0.0	0.0	0	0.0	0.0
25-Sep	0.0	0.0	0.0	0	0.0	0.0
26-Sep	27.3	0.0	27.3	0	0.0	0.0
27-Sep	0.0	0.0	0.0	0	0.0	0.0
28-Sep	0.0	0.0	0.0	0	0.0	0.0
29-Sep	19.4	0.0	19.4	0	0.0	0.0
30-Sep	0.0	0.0	0.0	0	0.0	0.0
Total	252.5	0.0	252.5	0	0.0	0.0

Notes:

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