



September 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 – July 2009

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

SNP Sampling

During the month of July 2009, samples were collected at MRY-4, MRY-4b, MRY-4c (corresponding to PWSP No. 2, and PWSP No. 3, respectively), MRY-7 and MRY-10 as part of the SNP sampling program. Surveys were completed at MRY-8/9 and MRY-11 on July 7th with no observable discharge/run off from these areas. 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 and exploration drilling purposes 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 July
MRY-3			N/A for July
MRY-4	28-Jul-09	732899,732799	Oil and Grease bottle broken Volume reported daily
MRY-401	28-Jul-09	732900,732800	QA/QC Duplicate Sample
MRY-402	28-Jul-09	732902,732802	QA/QC Field Blank
MRY-403	28-Jul-09	732903,732803	QA/QC Travel Blank
MRY-4a	N/A		
MRY-4b	13-Jul-09	729346,729569, 729350	Pre-discharge samples
MRY-4c	13-Jul-09	729347,729570, 729351	Pre-discharge samples
MRY-5			N/A for July
MRY-5a			N/A for July
MRY-6			N/A for July
MRY-7 Batch 1a	12-Jul-09	729150	
MRY-7 Batch 2b-1	19-Jul-09	730657	
MRY-7 Batch 2b-2	19-Jul-09	730658	QA/QC Duplicate Sample

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SNP Station	Sampling Date	Lab ID#	Comment
MRY-8 / 9			Run off was not observed during the July 7 th survey.
MRY-10	07-Jul-09	728213,737194	
MRY-11			Run off was not observed during the July 7 th survey.
MRY-12			Run off was not observed during the July 13 ^h survey.

SNP Results

A) Water Sampling and Analysis Results

Table 2 provides the results related to SNP sampling requirements for July 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 July 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 cheryl.wray@baffinland.com.

Regards,

Cheryl Wray
Environmental Superintendent

Attach: Tables 2 and 3 (two pages)

Cc: Andrew Keim, INAC
Stephen Bathory QIA

Table 2. Water Chemistry Results - July 2009						
Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
732899	MRY-4	28-Jul-09	Biological Oxygen Demand	27	mg/L	Accutest
732899	MRY-4	28-Jul-09	pH	7.98	pH units	Accutest
732899	MRY-4	28-Jul-09	Total Suspended Solids	8	mg/L	Accutest
732899	MRY-4	28-Jul-09	Oil and Grease	N/A*	mg/L	Accutest
732799	MRY-4	28-Jul-09	Faecal Coliforms	144000**	ct/100 ml	Accutest
732900	MRY-401	28-Jul-09	Biological Oxygen Demand	24	mg/L	Accutest
732900	MRY-401	28-Jul-09	pH	7.92	pH units	Accutest
732900	MRY-401	28-Jul-09	Total Suspended Solids	11	mg/L	Accutest
732900	MRY-401	28-Jul-09	Oil and Grease	1	mg/L	Accutest
732800	MRY-401	28-Jul-09	Faecal Coliforms	161000**	ct/100 ml	Accutest
732902	MRY-402	28-Jul-09	Biological Oxygen Demand	<1	mg/L	Accutest
732902	MRY-402	28-Jul-09	pH	6.54	pH units	Accutest
732902	MRY-402	28-Jul-09	Total Suspended Solids	<2	mg/L	Accutest
732902	MRY-402	28-Jul-09	Oil and Grease	<1	mg/L	Accutest
732802	MRY-402	28-Jul-09	Faecal Coliforms	0	ct/100 ml	Accutest
732903	MRY-403	28-Jul-09	Biological Oxygen Demand	<1	mg/L	Accutest
732903	MRY-403	28-Jul-09	pH	5.80	pH units	Accutest
732903	MRY-403	28-Jul-09	Total Suspended Solids	<2	mg/L	Accutest
732903	MRY-403	28-Jul-09	Oil and Grease	<1	mg/L	Accutest
732803	MRY-403	28-Jul-09	Faecal Coliforms	0	ct/100 ml	Accutest
729569	MRY-4b	13-Jul-09	Biological Oxygen Demand	3	mg/L	Accutest
729569	MRY-4b	13-Jul-09	pH	6.49	pH units	Accutest
729569	MRY-4b	13-Jul-09	Total Suspended Solids	4	mg/L	Accutest
729569	MRY-4b	13-Jul-09	Oil and Grease	<1	mg/L	Accutest
729346	MRY-4b	13-Jul-09	Faecal Coliforms	0	ct/100 ml	Accutest
729350	MRY-4b	13-Jul-09	Acute Toxicity	Pass		BodyCote
729570	MRY-4c	13-Jul-09	Biological Oxygen Demand	1	mg/L	Accutest
729570	MRY-4c	13-Jul-09	pH	7.05	pH units	Accutest
729570	MRY-4c	13-Jul-09	Total Suspended Solids	4	mg/L	Accutest
729570	MRY-4c	13-Jul-09	Oil and Grease	<1	mg/L	Accutest
729347	MRY-4c	13-Jul-09	Faecal Coliforms	0	ct/100 ml	Accutest
729351	MRY-4c	13-Jul-09	Acute Toxicity	Pass		BodyCote
729150	MRY-7-Batch 1a	12-Jul-09	Benzene	<0.5	µg/L	Accutest
729150	MRY-7-Batch 1a	12-Jul-09	Toluene	<0.5	µg/L	Accutest
729150	MRY-7-Batch 1a	12-Jul-09	Ethylbenzene	<0.5	µg/L	Accutest
729150	MRY-7-Batch 1a	12-Jul-09	Lead	<0.001	mg/L	Accutest
729150	MRY-7-Batch 1a	12-Jul-09	Oil and Grease	4	mg/L	Accutest
730657	MRY-7-Batch 2b-1	19-Jul-09	Benzene	<0.5	µg/L	Accutest
730657	MRY-7-Batch 2b-1	19-Jul-09	Toluene	<0.5	µg/L	Accutest
730657	MRY-7-Batch 2b-1	19-Jul-09	Ethylbenzene	<0.5	µg/L	Accutest
730657	MRY-7-Batch 2b-1	19-Jul-09	Lead	<0.001	mg/L	Accutest
730657	MRY-7-Batch 2b-1	19-Jul-09	Oil and Grease	2	mg/L	Accutest
730658	MRY-7-Batch 2b-2	19-Jul-09	Benzene	<0.5	µg/L	Accutest
730658	MRY-7-Batch 2b-2	19-Jul-09	Toluene	<0.5	µg/L	Accutest
730658	MRY-7-Batch 2b-2	19-Jul-09	Ethylbenzene	<0.5	µg/L	Accutest
730658	MRY-7-Batch 2b-2	19-Jul-09	Lead	<0.001	mg/L	Accutest
730658	MRY-7-Batch 2b-2	19-Jul-09	Oil and Grease	2	mg/L	Accutest
737194	MRY-10	7-Jul-09	Total Arsenic	<0.0001	mg/L	Accutest
737194	MRY-10	7-Jul-09	Total Copper	0.00165	mg/L	Accutest
737194	MRY-10	7-Jul-09	Total Lead	0.00037	mg/L	Accutest
737194	MRY-10	7-Jul-09	Total Nickel	0.00307	mg/L	Accutest
737194	MRY-10	7-Jul-09	Total Zinc	0.0052	mg/L	Accutest
728213	MRY-10	7-Jul-09	Total Suspended Solids	6	mg/L	Accutest
On-site	MRY-10	7-Jul-09	Oil and Grease	No Sheen		Accutest
728213	MRY-10	7-Jul-09	pH	7.54	pH units	Accutest

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

*Oil and Grease Bottle broken in transit to lab

**High Fecal Coliforms were the result of the UV system malfunction. Discharge was to PWSP #3.

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

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	Treated Sewage Effluent (m ³) from WWTF to PWSP at Mary River Camp - MRY-4	Sewage Sludge Removed (m ³) from Mary River WWTP	Daily Drill Water Use (m ³) - Exploration	Treated Sewage Effluent (m ³) from PWSP to Sheardown Lake (MRY-4a,b,c)	Treated Sewage Effluent (m ³) from PWSP to Milne Inlet (MRY-5a)
1-Jul	0.0	0.0	0.0	0	4.9	0.0	0.0
2-Jul	0.0	0.0	0.0	0	4.6	0.0	0.0
3-Jul	0.0	0.0	0.0	0	41.5	0.0	0.0
4-Jul	30.5	0.0	30.5	0	64.6	0.0	0.0
5-Jul	0.0	0.0	0.0	0	64.0	0.0	0.0
6-Jul	0.0	0.0	0.0	0	21.6	0.0	0.0
7-Jul	0.0	0.0	0.0	0	30.8	0.0	0.0
8-Jul	0.1	0.0	0.1	0	51.9	0.0	0.0
9-Jul	0.0	0.0	0.0	0	55.9	0.0	0.0
10-Jul	0.0	0.0	0.0	0	73.0	0.0	0.0
11-Jul	32.8	0.0	32.8	0	50.3	0.0	0.0
12-Jul	0.0	0.0	0.0	0	83.7	0.0	0.0
13-Jul	0.0	0.0	0.0	0	37.1	0.0	0.0
14-Jul	32.8	0.0	32.8	0	24.5	0.0	0.0
15-Jul	0.0	0.0	0.0	0	73.0	0.0	0.0
16-Jul	25.9	0.0	25.9	0	79.7	0.0	0.0
17-Jul	0.0	0.0	0.0	0	80.1	0.0	0.0
18-Jul	0.0	0.0	0.0	0	51.2	0.0	0.0
19-Jul	24.1	0.0	24.1	21	28.6	0.0	0.0
20-Jul	0.0	0.0	0.0	0	82.4	0.0	0.0
21-Jul	0.0	0.0	0.0	0	67.9	0.0	0.0
22-Jul	21.0	0.0	21.0	6	75.1	0.0	0.0
23-Jul	0.0	0.0	0.0	0	79.4	0.0	0.0
24-Jul	20.0	0.0	20.0	0	68.6	0.0	0.0
25-Jul	0.0	0.0	0.0	0	14.6	0.0	0.0
26-Jul	0.0	0.0	0.0	0	55.9	0.0	0.0
27-Jul	0.0	0.0	0.0	0	101.0	0.0	0.0
28-Jul	25.3	0.0	25.3	0	96.1	0.0	0.0
29-Jul	0.0	0.0	0.0	0	96.0	0.0	0.0
30-Jul	13.2	0.0	13.2	0	26.2	0.0	0.0
31-Jul	0.0	0.0	0.0	0	56.7	0.0	0.0
Total	225.7	0.0	225.7	27	1740.9	0.0	0.0

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.