



September 30, 2008

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 – August 2008

Following is the monthly report for August 2008 as required under Part I, Item 19 of Water License 2BB-MRY0710.

SNP Sampling

During the month of August 2008, samples were collected at MRY-4, MRY-5, MRY-7, MRY-10 and MRY-11 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, Milne Inlet, Steensby and Mid-Rail camps 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 August
MRY-3			Volume reported daily
MRY-4	7-Aug-08	649266, 649267	Volume reported daily
MRY-4a			N/A for August
MRY-5	6-Aug-08	649261, 649270, 22208	Volume reported daily
MRY-5a			N/A for August
MRY-6			N/A for August
MRY-7	4-Aug-08	647831	Batch #1
	5-Aug-08	648292	Batch #2
	9-Aug-08	649395	Batch #3
	10-Aug-08	649538	Batch #4
	14-Aug-08	650959	Batch #5
	14-Aug-08	650960	Batch #6
	14-Aug-08	651310	Batch #7
	25-Aug-08	653958	Batch #8B
	21-Aug-08	653043	Batch #9
	26-Aug-08	654514	Batch #10
	31-Aug-08	655406	Batch #11
	31-Aug-08	655407	Batch #12
MRY-8 / 9			N/A for August
MRY-10	16-Aug-08	652435, 652435	
MRY-11	20-Aug-08	653045, 653046	
MRY-12			N/A for August



Results

A) Water Sampling and Analysis Results

Table 2 provides the results related to SNP sampling requirements for August 2008.

B) Flow and Volume Measurements

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

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.

Regards,

Cheryl Wray
Environmental Superintendent

Dave McCann
Assistant Project Manager

Attachment

Table 2. Water Chemistry Results						
Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
649257	MRY-4	7-Aug-08	Faecal Coliforms	150000	ct/100ml	Accutest
649266	MRY-4	7-Aug-08	Oil and Grease	1	mg/L	Accutest
649266	MRY-4	7-Aug-08	Biological Oxygen Demand	46	mg/L	Accutest
649266	MRY-4	7-Aug-08	pH	7.72	pH units	Accutest
649266	MRY-4	7-Aug-08	Total Suspended Solids	46	mg/L	Accutest
649252	MRY-5	6-Aug-08	Faecal Coliforms	<10	ct/100ml	Accutest
649262	MRY-5	6-Aug-08	Oil and Grease	<1	mg/L	Accutest
649262	MRY-5	6-Aug-08	Biological Oxygen Demand	9	mg/L	Accutest
649262	MRY-5	6-Aug-08	pH	7.89	pH units	Accutest
649262	MRY-5	6-Aug-08	Total Suspended Solids	9	mg/L	Accutest
22208	MRY-5	6-Aug-08	<i>Daphnia magna</i> Mean Mortality	0	%	Aquatox
22208	MRY-5	6-Aug-08	Rainbow Trout Mean Mortality	0	%	Aquatox
647831	MRY-7 Batch #1	4-Aug-08	Benzene	<0.5	ug/L	Accutest
647831	MRY-7 Batch #1	4-Aug-08	Toluene	<0.5	ug/L	Accutest
647831	MRY-7 Batch #1	4-Aug-08	Ethylbenzene	<0.5	ug/L	Accutest
647831	MRY-7 Batch #1	4-Aug-08	Lead	<0.001	mg/L	Accutest
647831	MRY-7 Batch #1	4-Aug-08	Oil and Grease	<1	mg/L	Accutest
648292	MRY-7 Batch #2	5-Aug-08	Benzene	<0.5	ug/L	Accutest
648292	MRY-7 Batch #2	5-Aug-08	Toluene	<0.5	ug/L	Accutest
648292	MRY-7 Batch #2	5-Aug-08	Ethylbenzene	<0.5	ug/L	Accutest
648292	MRY-7 Batch #2	5-Aug-08	Lead	<0.001	mg/L	Accutest
648292	MRY-7 Batch #2	5-Aug-08	Oil and Grease	<1	mg/L	Accutest
649395	MRY-7 Batch #3	9-Aug-08	Benzene	<0.5	ug/L	Accutest
649395	MRY-7 Batch #3	9-Aug-08	Toluene	<0.5	ug/L	Accutest
649395	MRY-7 Batch #3	9-Aug-08	Ethylbenzene	<0.5	ug/L	Accutest
649395	MRY-7 Batch #3	9-Aug-08	Lead	0.001	mg/L	Accutest
649395	MRY-7 Batch #3	9-Aug-08	Oil and Grease	<1	mg/L	Accutest
649538	MRY-7 Batch #4	10-Aug-08	Benzene	<0.5	ug/L	Accutest
649538	MRY-7 Batch #4	10-Aug-08	Toluene	<0.5	ug/L	Accutest
649538	MRY-7 Batch #4	10-Aug-08	Ethylbenzene	<0.5	ug/L	Accutest
649538	MRY-7 Batch #4	10-Aug-08	Lead	<0.001	mg/L	Accutest
649538	MRY-7 Batch #4	10-Aug-08	Oil and Grease	1	mg/L	Accutest
650959	MRY-7 Batch #5	14-Aug-08	Benzene	<0.5	ug/L	Accutest
650959	MRY-7 Batch #5	14-Aug-08	Toluene	<0.5	ug/L	Accutest
650959	MRY-7 Batch #5	14-Aug-08	Ethylbenzene	<0.5	ug/L	Accutest
650959	MRY-7 Batch #5	14-Aug-08	Lead	<0.001	mg/L	Accutest
650959	MRY-7 Batch #5	14-Aug-08	Oil and Grease	2	mg/L	Accutest
650960	MRY-7 Batch #6	14-Aug-08	Benzene	<0.5	ug/L	Accutest
650960	MRY-7 Batch #6	14-Aug-08	Toluene	<0.5	ug/L	Accutest
650960	MRY-7 Batch #6	14-Aug-08	Ethylbenzene	<0.5	ug/L	Accutest
650960	MRY-7 Batch #6	14-Aug-08	Lead	<0.001	mg/L	Accutest
650960	MRY-7 Batch #6	14-Aug-08	Oil and Grease	2	mg/L	Accutest
651310	MRY-7 Batch #7	14-Aug-08	Benzene	<0.5	ug/L	Accutest
651310	MRY-7 Batch #7	14-Aug-08	Toluene	<0.5	ug/L	Accutest
651310	MRY-7 Batch #7	14-Aug-08	Ethylbenzene	<0.5	ug/L	Accutest
651310	MRY-7 Batch #7	14-Aug-08	Lead	<0.001	mg/L	Accutest
651310	MRY-7 Batch #7	14-Aug-08	Oil and Grease	<1	mg/L	Accutest
653958	MRY-7 Batch #8B	25-Aug-08	Benzene	<0.5	ug/L	Accutest

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
653958	MRY-7 Batch #8B	25-Aug-08	Toluene	<0.5	ug/L	Accutest
653958	MRY-7 Batch #8B	25-Aug-08	Ethylbenzene	<0.5	ug/L	Accutest
653958	MRY-7 Batch #8B	25-Aug-08	Lead	<0.001	mg/L	Accutest
653958	MRY-7 Batch #8B	25-Aug-08	Oil and Grease	1	mg/L	Accutest
653043	MRY-7 Batch #9	21-Aug-08	Benzene	<0.5	ug/L	Accutest
653043	MRY-7 Batch #9	21-Aug-08	Toluene	<0.5	ug/L	Accutest
653043	MRY-7 Batch #9	21-Aug-08	Ethylbenzene	<0.5	ug/L	Accutest
653043	MRY-7 Batch #9	21-Aug-08	Lead	<0.001	mg/L	Accutest
653043	MRY-7 Batch #9	21-Aug-08	Oil and Grease	4	mg/L	Accutest
654514	MRY-7 Batch #10	26-Aug-08	Benzene	<0.5	ug/L	Accutest
654514	MRY-7 Batch #10	26-Aug-08	Toluene	<0.5	ug/L	Accutest
654514	MRY-7 Batch #10	26-Aug-08	Ethylbenzene	0.7	ug/L	Accutest
654514	MRY-7 Batch #10	26-Aug-08	Lead	<0.001	mg/L	Accutest
654514	MRY-7 Batch #10	26-Aug-08	Oil and Grease	4	mg/L	Accutest
655406	MRY-7 Batch #11	31-Aug-08	Benzene	<0.5	ug/L	Accutest
655406	MRY-7 Batch #11	31-Aug-08	Toluene	<0.5	ug/L	Accutest
655406	MRY-7 Batch #11	31-Aug-08	Ethylbenzene	1	ug/L	Accutest
655406	MRY-7 Batch #11	31-Aug-08	Lead	<0.001	mg/L	Accutest
655406	MRY-7 Batch #11	31-Aug-08	Oil and Grease	4	mg/L	Accutest
655407	MRY-7 Batch #12	31-Aug-08	Benzene	<0.5	ug/L	Accutest
655407	MRY-7 Batch #12	31-Aug-08	Toluene	<0.5	ug/L	Accutest
655407	MRY-7 Batch #12	31-Aug-08	Ethylbenzene	1	ug/L	Accutest
655407	MRY-7 Batch #12	31-Aug-08	Lead	<0.001	mg/L	Accutest
655407	MRY-7 Batch #12	31-Aug-08	Oil and Grease	2	mg/L	Accutest
652435	MRY-10	16-Aug-08	Total Arsenic	<0.001	mg/L	Accutest
652435	MRY-10	16-Aug-08	Total Copper	<0.001	mg/L	Accutest
652435	MRY-10	16-Aug-08	Total Lead	<0.001	mg/L	Accutest
652435	MRY-10	16-Aug-08	Total Nickel	<0.005	mg/L	Accutest
652435	MRY-10	16-Aug-08	Total Zinc	<0.01	mg/L	Accutest
652434	MRY-10	16-Aug-08	Total Suspended Solids	7	mg/L	Accutest
652434	MRY-10	16-Aug-08	Oil and Grease	<1	mg/L	Accutest
652434	MRY-10	16-Aug-08	pH	7.65	pH units	Accutest
653046	MRY-11	20-Aug-08	Total Arsenic	<0.001	mg/L	Accutest
653046	MRY-11	20-Aug-08	Total Copper	0.003	mg/L	Accutest
653046	MRY-11	20-Aug-08	Total Lead	0.001	mg/L	Accutest
653046	MRY-11	20-Aug-08	Total Nickel	<0.005	mg/L	Accutest
653046	MRY-11	20-Aug-08	Total Zinc	<0.01	mg/L	Accutest
653045	MRY-11	20-Aug-08	Total Suspended Solids	24	mg/L	Accutest
653045	MRY-11	20-Aug-08	pH	8.05	pH units	Accutest

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

DATE	Camp Lake Freshwater Use (Mary River Camp) - Daily Potable Water (m³)	Phillips Creek Winter Freshwater Use (Milne Inlet Camp) - Daily Potable Water (m³)	Steensby Camp Daily Potable Water (m³)	Mid-Rail Camp Daily Potable Water (m³)	Total Daily Potable Water Water (m³)	Daily Drill Water Use (m³) - Geotechnical and Exploration	Treated Sewage Effluent (m³) from WWTP to PWSP at Mary River Camp	Treated Sewage Effluent (m³) from PWSP at Mary River Camp	Sewage Sludge Removed (m³) from Mary River WWTP	Treated Sewage Effluent (m³) from WWTP to PWSP at Milne Inlet Camp	Treated Sewage Effluent (m³) from WWTP to Milne Inlet	Treated Sewage Effluent (m³) from PWSP at Milne Inlet Camp	Sewage Sludge Removed (m³) from Milne Inlet WWTP
1-Aug-08	22.0	11.0	2.1	0.1	35.3	246.3	22.0	*	**	***	9.0	*	**
2-Aug-08	28.0	11.0	2.8	0.9	42.7	257.9	28.0	*	**	***	9.0	*	**
3-Aug-08	23.0	9.0	3.0	0.2	35.2	438.7	23.0	*	**	***	9.0	*	**
4-Aug-08	25.0	10.0	4.0	1.0	40.0	295.2	25.0	*	**	***	7.0	*	**
5-Aug-08	17.0	9.0	3.2	0.2	29.4	329.3	17.0	*	**	***	11.8	*	**
6-Aug-08	26.0	10.0	3.7	0.1	39.8	305.5	26.0	*	**	***	9.5	*	**
7-Aug-08	23.0	10.0	4.3	1.9	39.2	254.8	23.0	*	**	***	12.5	*	**
8-Aug-08	34.0	10.0	3.1	0.9	48.1	207.5	34.0	*	**	***	12.0	*	**
9-Aug-08	17.0	16.0	2.3	0.9	36.3	158.4	17.0	*	**	***	12.0	*	**
10-Aug-08	25.0	11.0	2.1	0.9	39.0	222.4	25.0	*	**	***	13.0	*	**
11-Aug-08	31.0	9.0	2.1	1.0	43.1	217.5	31.0	*	**	***	12.0	*	**
12-Aug-08	26.0	9.0	2.3	1.0	38.3	200.2	26.0	*	**	***	14.0	*	**
13-Aug-08	28.0	19.0	2.2	1.0	50.2	131.6	28.0	*	**	***	11.5	*	**
14-Aug-08	30.0	8.0	2.9	2.0	42.9	175.0	30.0	*	**	***	13.5	*	**
15-Aug-08	28.0	8.0	1.7	2.0	39.7	233.4	28.0	*	**	***	13.5	*	**
16-Aug-08	22.0	9.0	1.6	2.0	34.6	180.7	22.0	*	**	***	10.5	*	**
17-Aug-08	33.0	10.0	2.4	2.0	47.4	248.4	33.0	*	**	***	8.8	*	**
18-Aug-08	27.0	10.0	1.7	1.4	40.1	232.8	27.0	*	**	***	11.5	*	**
19-Aug-08	33.0	9.0	2.0	1.4	45.4	148.1	33.0	*	**	***	11.3	*	**
20-Aug-08	20.0	11.0	1.8	1.4	34.2	154.7	20.0	*	**	***	12.0	*	**
21-Aug-08	23.0	10.0	1.8	1.4	36.2	168.7	23.0	*	**	***	11.5	*	**
22-Aug-08	26.0	17.0	1.5	1.5	46.0	149.5	26.0	*	**	***	12.0	*	**
23-Aug-08	26.0	9.0	1.5	1.5	38.0	36.2	26.0	*	**	***	12.8	*	**
24-Aug-08	20.0	9.0	1.5	1.5	32.0	71.9	20.0	*	**	***	12.5	*	**
25-Aug-08	36.0	17.0	1.6	3.5	58.1	183.3	36.0	*	**	***	14.0	*	**
26-Aug-08	35.0	17.0	1.7	2.5	56.1	200.8	35.0	*	38.4	***	11.5	*	**
27-Aug-08	28.0	9.0	1.6	2.8	41.4	219.6	28.0	*	**	***	10.5	*	**
28-Aug-08	26.0	9.0	2.9	2.7	40.6	174.4	26.0	*	**	***	13.0	*	**
29-Aug-08	26.0	8.0	1.2	3.1	38.3	188.5	26.0	*	**	***	12.0	*	**
30-Aug-08	30.0	11.0	1.5	1.8	44.3	193.1	30.0	*	**	***	12.0	*	**
31-Aug-08	27.0	12.0	1.5	2.7	43.2	368.9	27.0	*	**	***	11.8	*	**
Total	821.0	337.0	69.8	47.5	1275.2	6593.2	821.0	0.0	38.4	0.0	356.8	0.0	0.0

Notes:

WWTP - Waste Water Treatment Plant
PWSP - Polishing Waste Settling Pond
* No Discharge from the PWSP
** Sewage Sludge not removed from WWTP
*** No discharge to the PWSP