



November 3, 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 – September 2008**

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

**SNP Sampling**

During the month of September 2008, samples were collected at MRY-4, MRY-5, and MRY-7 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 September
MRY-3			Volume reported daily
MRY-4	3-Sep-08 28-Sep-08	656422, 656528 663461	Volume reported daily
MRY-4a			N/A for September
MRY-5	2-Sep-08 16-Sep-08 28-Sep-08	656369, 656436 660024 663460	Volume reported daily
MRY-5a			N/A for September
MRY-6			N/A for September
MRY-7	7-Sep-08 14-Sep-08 16-Sep-08 23-Sep-08	657317 659025 660028 662689	Batch #13 Batch #15 Batch #14C Batch #14D
MRY-8 / 9			N/A for September
MRY-10			N/A for September
MRY-11			N/A for September
MRY-12			N/A for September



## **SNP Results**

### **A) Water Sampling and Analysis Results**

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

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,

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Jim Millard  
Environmental Superintendent

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Dave McCann  
Assistant Operations Manager

Attach: Tables 2 and 3 (two pages)

**Table 2. Water Chemistry Results - September 2008**

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
656422	MRY-4	3-Sep-08	Faecal Coliforms	1000	ct/100ml	Accutest
656528	MRY-4	3-Sep-08	Oil and Grease	2	mg/L	Accutest
656422	MRY-4	3-Sep-08	Biological Oxygen Demand	19	mg/L	Accutest
656422	MRY-4	3-Sep-08	pH	7.46	pH units	Accutest
656422	MRY-4	3-Sep-08	Total Suspended Solids	36	mg/L	Accutest
663461	MRY-4	28-Sep-08	Oil and Grease	2	mg/L	Accutest
663461	MRY-4	28-Sep-08	Biological Oxygen Demand	47	mg/L	Accutest
663461	MRY-4	28-Sep-08	pH	7.37	pH units	Accutest
663461	MRY-4	28-Sep-08	Total Suspended Solids	67	mg/L	Accutest
660024	MRY-5	16-Sep-08	Faecal Coliforms	1230	ct/100ml	Accutest
656436	MRY-5	2-Sep-08	Oil and Grease	1	mg/L	Accutest
656436	MRY-5	2-Sep-08	Biological Oxygen Demand	9	mg/L	Accutest
656436	MRY-5	2-Sep-08	pH	7.77	pH units	Accutest
656436	MRY-5	2-Sep-08	Total Suspended Solids	15	mg/L	Accutest
663460	MRY-5	28-Sep-08	Oil and Grease	<1	mg/L	Accutest
663460	MRY-5	28-Sep-08	Biological Oxygen Demand	33	mg/L	Accutest
663460	MRY-5	28-Sep-08	pH	7.73	pH units	Accutest
663460	MRY-5	28-Sep-08	Total Suspended Solids	31	mg/L	Accutest
657317	MRY-7 Batch #13	7-Sep-08	Benzene	<0.5	ug/L	Accutest
657317	MRY-7 Batch #13	7-Sep-08	Toluene	0.8	ug/L	Accutest
657317	MRY-7 Batch #13	7-Sep-08	Ethylbenzene	<0.5	ug/L	Accutest
657317	MRY-7 Batch #13	7-Sep-08	Lead	<0.001	mg/L	Accutest
657317	MRY-7 Batch #13	7-Sep-08	Oil and Grease	8	mg/L	Accutest
659025	MRY-7 Batch #15	14-Sep-08	Benzene	<0.5	ug/L	Accutest
659025	MRY-7 Batch #15	14-Sep-08	Toluene	<0.5	ug/L	Accutest
659025	MRY-7 Batch #15	14-Sep-08	Ethylbenzene	<0.5	ug/L	Accutest
659025	MRY-7 Batch #15	14-Sep-08	Lead	<0.001	mg/L	Accutest
659025	MRY-7 Batch #15	14-Sep-08	Oil and Grease	149	mg/L	Accutest
660028	MRY-7 Batch #14C	16-Sep-08	Benzene	<0.5	ug/L	Accutest
660028	MRY-7 Batch #14C	16-Sep-08	Toluene	<0.5	ug/L	Accutest
660028	MRY-7 Batch #14C	16-Sep-08	Ethylbenzene	<0.5	ug/L	Accutest
660028	MRY-7 Batch #14C	16-Sep-08	Lead	<0.001	mg/L	Accutest
660028	MRY-7 Batch #14C	16-Sep-08	Oil and Grease	10	mg/L	Accutest
662689	MRY-7 Batch #14D	23-Sep-08	Benzene	<0.5	ug/L	Accutest
662689	MRY-7 Batch #14D	23-Sep-08	Toluene	<0.5	ug/L	Accutest
662689	MRY-7 Batch #14D	23-Sep-08	Ethylbenzene	<0.5	ug/L	Accutest
662689	MRY-7 Batch #14D	23-Sep-08	Lead	<0.001	mg/L	Accutest
662689	MRY-7 Batch #14D	23-Sep-08	Oil and Grease	13	mg/L	Accutest

Table 3: Flow and Volume Measurements-Part I Item 7 - September 2008

DATE	Camp Lake Freshwater Use (Mary River Camp) - Daily Potable Water (m <sup>3</sup> )	Phillips Creek Winter Freshwater Use (Milne Inlet Camp) - Daily Potable Water (m <sup>3</sup> )	Steensby Camp Daily Potable Water (m <sup>3</sup> )	Mid-Rail Camp Daily Potable Water (m <sup>3</sup> )	Total Daily Potable Water (m <sup>3</sup> )	Daily Drill Water Use (m <sup>3</sup> ) - Geotechnical and Exploration	Treated Sewage Effluent (m <sup>3</sup> ) from WWTP to PWSP at Mary River Camp	Treated Sewage Effluent (m <sup>3</sup> ) from PWSP at Mary River Camp	Sewage Sludge Removed (m <sup>3</sup> ) from Mary River WWTP	Treated Sewage Effluent (m <sup>3</sup> ) from WWTP to PWSP at Milne Inlet Camp	Treated Sewage Effluent (m <sup>3</sup> ) from WWTP to Milne Inlet	Treated Sewage Effluent (m <sup>3</sup> ) from PWSP at Milne Inlet Camp	Sewage Sludge Removed (m <sup>3</sup> ) from Milne Inlet WWTP	Treated Effluent Transported from Milne Inlet PWSP to Mary River PWSP
1-Sep-08	28	12	1.4	1.6	43	173.3	28	28	**	***	15	*	**	****
2-Sep-08	29	14	2.1	2.8	48	244.6	29	29	**	***	14	*	**	****
3-Sep-08	33	12	1.5	1.3	48	155.1	33	33	**	***	13	*	**	****
4-Sep-08	17	11	2.1	2.0	32	116.7	17	17	**	***	15	*	**	****
5-Sep-08	33	10	2.2	1.8	47	103.8	33	33	**	***	15	*	**	****
6-Sep-08	30	11	1.8	1.8	45	178.4	30	30	**	***	11	*	**	****
7-Sep-08	24	10	2.1	1.6	38	247.8	24	24	**	***	0	*	**	8.5
8-Sep-08	25	9	2.1	2.2	38	229.4	25	25	**	***	10	*	**	****
9-Sep-08	25	9	2.1	1.8	38	143.5	25	25	**	***	11	*	**	****
10-Sep-08	20	11	1.7	1.5	34	153.6	20	20	**	***	10	*	**	****
11-Sep-08	21	16	1.5	1.8	40	227.1	21	21	**	***	0	*	**	9.0
12-Sep-08	28	6	1.6	2.7	38	286.1	28	28	**	***	11	*	**	8.5
13-Sep-08	22	5	2.0	3.4	32	247.9	22	22	**	***	9	*	**	8.5
14-Sep-08	19	5	1.6	4.0	30	270.7	19	19	**	***	9	*	**	8.5
15-Sep-08	26	14	1.0	3.4	44	213.5	26	26	**	***	13	*	**	8.5
16-Sep-08	18	9	0.4	2.7	30	135.6	18	18	**	***	12	*	**	****
17-Sep-08	30	18	0.2	2.1	50	104.7	30	30	**	***	13	*	**	****
18-Sep-08	22	8	0.1	2.1	32	11.7	22	22	**	***	12	*	**	****
19-Sep-08	22	8	0.2	1.8	31	6.3	22	22	**	***	12	*	**	****
20-Sep-08	25	15	0.0	0.9	41	5.4	25	25	**	***	10	*	**	****
21-Sep-08	23	14	0.1	Camp Closed	37	No Drilling	23	23	**	***	15	*	**	9.0
22-Sep-08	30	12	1.0	Camp Closed	43	No Drilling	30	30	**	***	22	*	**	****
23-Sep-08	22	11	0.1	Camp Closed	33	No Drilling	22	22	**	***	12	*	**	****
24-Sep-08	22	15	0.0	Camp Closed	37	No Drilling	22	22	**	***	11	*	**	****
25-Sep-08	26	13	0.4	Camp Closed	39	No Drilling	26	26	**	***	15	*	**	****
26-Sep-08	22	7	0.5	Camp Closed	29	No Drilling	22	22	**	***	13	*	**	****
27-Sep-08	23	21	1.1	Camp Closed	45	No Drilling	23	23	**	***	26	*	**	****
28-Sep-08	23	6	0.7	Camp Closed	30	No Drilling	23	23	**	***	11	*	**	****
29-Sep-08	22	12	0.7	Camp Closed	35	No Drilling	22	22	**	***	15	*	**	****
30-Sep-08	37	12	0.8	Camp Closed	50	No Drilling	37	37	**	***	14	*	**	****
<b>Total</b>	<b>747</b>	<b>335</b>	<b>33</b>	<b>43</b>	<b>1158</b>	<b>3255</b>	<b>747</b>	<b>747</b>	<b>**</b>	<b>0</b>	<b>364</b>	<b>0</b>	<b>**</b>	<b>61</b>

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  
\*\*\*\* No transported effluent