Baffinland

January 30th, 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 – December 2007

Following is the monthly report for December 2007 as required under Part I, Item 19 of Water License 2BB-MRY0710.

SNP Sampling

During the month of December 2007, samples were collected at MRY-4 and MRY-5 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. Analysis conducted for the SNP samples is presented in Table 2. Volumes consumed for domestic water at Mary River and Milne Inlet has been collected and is attached in Table 3.

Table 1: SNP Water Sampling Summary

SNP Station	Sampling Date	Lab#	Comment
MRY-1			Volume reported daily
MRY-2			Volume reported daily
MRY-3			Volume reported daily
MRY-4	17-Dec-07	594291, 594289	Volume reported daily
MRY-4a			N/A for December
MRY-5	17-Dec-07	594292, 594290	Volume reported daily
MRY-5a			N/A for December
MRY-6			N/A for December
MRY-7			N/A for December
MRY-8			N/A for December
MRY-9			N/A for December
MRY-10			N/A for December
MRY-12			N/A for December
MRY-13			N/A for December

Results

A) Water Sampling and Analysis Results

Table 2 provides the results related to SNP sampling requirements for December 2007.

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 for December 2007 please contact the undersigned at 519-397-9092.

Regards,

Cheryl Wray	Dave McCann
Environmental Superintendent	Assistant Project Manager

Attachment.

Table 2. Water Chemistry Results

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit
594291	MRY-4	17-Dec-07	Faecal Coliforms	>500000	ct/100ml
594289	MRY-4	17-Dec-07	Oil and Grease	19	mg/L
594289	MRY-4	17-Dec-07	Biological Oxygen Demand	365	mg/L
594289	MRY-4	17-Dec-07	pH	7.5	pH units
594289	MRY-4	17-Dec-07	Total Suspended Soilds	123	mg/L
594292	MRY-5	17-Dec-07	Faecal Coliforms	>500000	ct/100ml
594290	MRY-5	17-Dec-07	Oil and Grease	<1	mg/L
594290	MRY-5	17-Dec-07	Biological Oxygen Demand	44	mg/L
594290	MRY-5	17-Dec-07	pH	7.71	pH units
594290	MRY-5	17-Dec-07	Total Suspended Soilds	36	mg/L

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

DATE	Camp Lake Freshwater Use (Mary River Camp) - Daily Potable Water (m3)	Phillips Creek Winter Freshwater Use (m3) (Milne Inlet Camp) - Daily Potable Water	Treated Sewage Effluent (m3) from WWTP to PWSP at Mary River Camp- Monthly	Treated Sewage Effluent (m3) from PWSP at Mary River Camp- Monthly	Sewage Sludge Removed (m3) from Mary River WWTP	Treated Sewage Effluent (m3) from WWTP to PWSP at Milne Inlet Camp- Monthly	Treated Sewage Effluent (m3) from PWSP at Milne Inlet Camp- Monthly	Sewage Sludge Removed (m3) from Milne Inlet WWTP
01-Dec	13.0	6.4	13.0	Monthly	Monthly	0.0	Monthly	Monthly
02-Dec	13.0	6.4	13.0			3.2		
03-Dec	12.2	6.4	12.2			3.4		
04-Dec	13.1	12.8	13.1			5.9		
05-Dec	13.0	6.4	13.0			5.1		
06-Dec	13.0	12.8	13.0			4.8		
07-Dec	12.5	6.4	12.5			5.0		
08-Dec	12.5	0.0	12.5			0.0		
09-Dec	12.5	6.4	12.5			13.0		
10-Dec	13.1	6.4	13.1			3.0		
11-Dec	13.3	6.4	13.3			0.0		
12-Dec	13.1	6.4	13.1			4.2		
13-Dec	13.1	6.4	13.1			3.8		
14-Dec	13.1	6.4	13.1			10.0		
15-Dec	13.6	6.4	13.6			0.0		
16-Dec	12.5	6.4	12.5			10.0		
17-Dec	12.6	6.4	12.6			9.5		
18-Dec	13.3	12.8	13.3			5.5		
19-Dec	13.9	6.4	13.9			9.0		
20-Dec	13.3	6.4	13.3			8.0		
21-Dec	13.6	6.4	13.6			5.8		
22-Dec	13.6	6.4	13.6			5.8		
23-Dec	13.3	6.4	13.3			7.0		
24-Dec	13.0	6.4	13.0			0.0		
25-Dec	13.0	6.4	13.0			11.5		
26-Dec	12.5	6.4	12.5			10.5		
27-Dec	11.0	12.8	11.0			0.0		
28-Dec	10.2	0.0	10.2			0.0		
29-Dec	10.6	12.8	10.6			13.5		
30-Dec	10.7	6.4	10.7			9.5		
31-Dec	9.8	6.4	9.8			0.0		
Total	**381.0**	**211.2**	**381.0**	**0.0**	**0.0**	**166.9**	**0.0**	**0.0**