



September 30, 2011

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-MRY1114 Monthly SNP Report – August 2011

Following is the monthly report for August 2011 as required under Part I, Item 19 of Water License 2BB-MRY1114.

SNP Sampling

During the month of August 2011, samples were collected at MRY-4, MRY-4B, MRY-4C, MRY-5, MRY-9, MRY-11, and MRY-13 as part of the SNP sampling program. 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 and Steensby Inlet Camp 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 August 2011.

B) Flow and Volume Measurements

Table 3 provides a breakdown of volume measurements as requested in Part I, Item 9 of the water license for August 2011.

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 902-403-1337 or by e-mail at jim.millard@baffinland.com.

Regards,

A handwritten signature in black ink, appearing to read "J. Millard", written over a horizontal line.

James Millard, M.Sc., P.Geo.
Senior Environmental Superintendent

Attach: Tables 1, 2 and 3

Cc: Andrew Keim (INAC), Stephen Bathory and Salamonie Shoo (QIA)



Table 1: SNP Water Sampling Summary for August 2011

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 August
MRY-3	N/A	N/A	Volume reported daily
MRY-4	1-Aug-11	900730	Volume reported daily
	2-Aug-11	900656	
	14-Aug-11	904154	
	14-Aug-11	904069	
	29-Aug-11	908043	
	29-Aug-11	908062	
MRY-4B	28-Aug-11	907649	
	28-Aug-11	907631	
	31-Aug-11	908321	
	31-Aug-11	908315	
MRY-401B	28-Aug-11	907650	Field duplicate of MRY-4B
	28-Aug-11	907632	
	31-Aug-11	908322	
	31-Aug-11	908316	
MRY-4C	21-Aug-11	906096	
	21-Aug-11	906113	
	23-Aug-11	906361	
	24-Aug-11	906657	
	24-Aug-11	906634	
MRY-401C	23-Aug-11	906359	Field duplicate of MRY-4C
MRY-402C	23-Aug-11	906360	Field blank for MRY-4C
MRY-5	17-Aug-11	905101	Volume Reported Daily
	17-Aug-11	905324	
	22-Aug-11	906105	
	22-Aug-11	906114	
	25-Aug-11	907018	
	25-Aug-11	906973	
MRY-9A	17-Aug-11	905086	
	17-Aug-11	905090	
MRY-902A	17-Aug-11	905088	Field Blank for MRY-9A
	17-Aug-11	905092	
MRY-903A	17-Aug-11	905089	Travel Blank for MRY-9A
	17-Aug-11	905093	
MRY-9B	17-Aug-11	905087	
	17-Aug-11	905091	
MRY-10	N/A	N/A	No surface flow observed
MRY-11	N/A	N/A	No surface flow observed
MRY-12	N/A	N/A	No surface flow observed
MRY-13B	16-Aug-11	904658	
	16-Aug-11	905649	
MRY-1301B	16-Aug-11	904570	
	16-Aug-11	905651	

Notes:

MRY-9A is downstream of bulk sample pit/bench. MRY-9B is downstream of MRY-9A. MRY-11 is downstream of bulk sample crusher area. MRY-12 is downstream of bulk ore stockpile area at Milne Inlet. MRY-13A is downstream of non-hazardous landfill facility. MRY-13B is downstream of MRY-13A.

Table 2. Water Chemistry Results - August 2011

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
900730	MRY-4	01-Aug-11	Biochemical Oxygen Demand	39	mg/L	Exova Accutest
900656	MRY-4	02-Aug-11	Faecal Coliforms	<10	CFU/100mL	Exova Accutest
900730	MRY-4	01-Aug-11	Oil & Grease - Total	<1	mg/L	Exova Accutest
900730	MRY-4	01-Aug-11	pH	7.49	pH units	Exova Accutest
900730	MRY-4	01-Aug-11	Total Suspended Solids	24	mg/L	Exova Accutest
902777	MRY-5	09-Aug-11	Biochemical Oxygen Demand	7	mg/L	Exova Accutest
902844	MRY-5	10-Aug-11	Faecal Coliforms	1700	CFU/100mL	Exova Accutest
902777	MRY-5	09-Aug-11	Oil & Grease - Total	<1	mg/L	Exova Accutest
902777	MRY-5	09-Aug-11	pH	8	pH units	Exova Accutest
902777	MRY-5	09-Aug-11	Total Suspended Solids	6	mg/L	Exova Accutest
--	MRY-4b	14-Aug-11	Acute Toxicity*	non-toxic	--	Exova
--	MRY-4c	14-Aug-11	Acute Toxicity*	non-toxic	--	Exova
904154	MRY-4	14-Aug-11	Biochemical Oxygen Demand	10	mg/L	Exova Accutest
904069	MRY-4	14-Aug-11	Faecal Coliforms	10	CFU/100mL	Exova Accutest
904154	MRY-4	14-Aug-11	Oil & Grease - Total	<1	mg/L	Exova Accutest
904154	MRY-4	14-Aug-11	pH	7.14	pH units	Exova Accutest
904154	MRY-4	14-Aug-11	Total Suspended Solids	30	mg/L	Exova Accutest
904569	MRY-13-B	16-Aug-11	pH	8.11	pH units	Exova Accutest
904569	MRY-13-B	16-Aug-11	Alkalinity as CaCO3	163	mg/L	Exova Accutest
904569	MRY-13-B	16-Aug-11	Conductivity	459	uS/cm	Exova Accutest
904569	MRY-13-B	16-Aug-11	Total Dissolved Solids (COND - CALC)	298	mg/L	Exova Accutest
904569	MRY-13-B	16-Aug-11	Total Suspended Solids	<2	mg/L	Exova Accutest
904569	MRY-13-B	16-Aug-11	Oil & Grease - Total	<1	mg/L	Exova Accutest
904569	MRY-13-B	16-Aug-11	Phenol	<0.001	mg/L	Exova Accutest
904569	MRY-13-B	16-Aug-11	Total Organic Carbon	4.1	mg/L	Exova Accutest
904569	MRY-13-B	16-Aug-11	Dissolved Organic Carbon	3.6	mg/L	Exova Accutest
905650	MRY-13-B	16-Aug-11	Aluminum (Total)	0.0039	mg/L	Exova Accutest
905650	MRY-13-B	16-Aug-11	Antimony (Total)	<0.00010	mg/L	Exova Accutest
905650	MRY-13-B	16-Aug-11	Arsenic (Total)	0.00012	mg/L	Exova Accutest
905650	MRY-13-B	16-Aug-11	Barium (Total)	0.0251	mg/L	Exova Accutest
905650	MRY-13-B	16-Aug-11	Cadmium (Total)	<0.000010	mg/L	Exova Accutest
905650	MRY-13-B	16-Aug-11	Chromium (Total)	<0.00050	mg/L	Exova Accutest
905650	MRY-13-B	16-Aug-11	Cobalt (Total)	<0.00010	mg/L	Exova Accutest
905650	MRY-13-B	16-Aug-11	Copper (Total)	0.00135	mg/L	Exova Accutest
905650	MRY-13-B	16-Aug-11	Iron (Total)	<0.03	mg/L	Exova Accutest
905650	MRY-13-B	16-Aug-11	Lead (Total);Lead	<0.00005	mg/L	Exova Accutest
905650	MRY-13-B	16-Aug-11	Lithium (Total)	<0.0050	mg/L	Exova Accutest
905650	MRY-13-B	16-Aug-11	Manganese (Total)	0.000813	mg/L	Exova Accutest
905650	MRY-13-B	16-Aug-11	Mercury (Total)	<0.000010	mg/L	Exova Accutest
905650	MRY-13-B	16-Aug-11	Molybdenum (Total)	0.000162	mg/L	Exova Accutest
905650	MRY-13-B	16-Aug-11	Nickel (Total)	0.00673	mg/L	Exova Accutest
905650	MRY-13-B	16-Aug-11	Selenium (Total)	<0.0010	mg/L	Exova Accutest
905650	MRY-13-B	16-Aug-11	Strontium (Total)	0.0212	mg/L	Exova Accutest
905650	MRY-13-B	16-Aug-11	Thallium (Total)	<0.00010	mg/L	Exova Accutest
905650	MRY-13-B	16-Aug-11	Tin (Total)	<0.00010	mg/L	Exova Accutest
905650	MRY-13-B	16-Aug-11	Titanium (Total)	<0.01	mg/L	Exova Accutest
905650	MRY-13-B	16-Aug-11	Uranium (Total)	0.000384	mg/L	Exova Accutest
905650	MRY-13-B	16-Aug-11	Vanadium (Total)	<0.0010	mg/L	Exova Accutest
905650	MRY-13-B	16-Aug-11	Zinc (Total)	<0.0030	mg/L	Exova Accutest
904570	MRY-1301-B	16-Aug-11	pH	8.12	pH units	Exova Accutest
904570	MRY-1301-B	16-Aug-11	Alkalinity as CaCO3	162	mg/L	Exova Accutest
904570	MRY-1301-B	16-Aug-11	Conductivity	455	uS/cm	Exova Accutest
904570	MRY-1301-B	16-Aug-11	Total Dissolved Solids (COND - CALC)	296	mg/L	Exova Accutest
904570	MRY-1301-B	16-Aug-11	Total Suspended Solids	<2	mg/L	Exova Accutest
904570	MRY-1301-B	16-Aug-11	Oil & Grease - Total	<1	mg/L	Exova Accutest
904570	MRY-1301-B	16-Aug-11	Phenol	<0.001	mg/L	Exova Accutest
904570	MRY-1301-B	16-Aug-11	Total Organic Carbon	4	mg/L	Exova Accutest
904570	MRY-1301-B	16-Aug-11	Dissolved Organic Carbon	3.6	mg/L	Exova Accutest
905651	MRY-1301-B	16-Aug-11	Aluminum (Total)	0.0046	mg/L	Exova Accutest
905651	MRY-1301-B	16-Aug-11	Antimony (Total)	<0.00010	mg/L	Exova Accutest
905651	MRY-1301-B	16-Aug-11	Arsenic (Total)	0.00011	mg/L	Exova Accutest
905651	MRY-1301-B	16-Aug-11	Barium (Total)	0.0242	mg/L	Exova Accutest
905651	MRY-1301-B	16-Aug-11	Cadmium (Total)	<0.000010	mg/L	Exova Accutest
905651	MRY-1301-B	16-Aug-11	Chromium (Total)	<0.00050	mg/L	Exova Accutest
905651	MRY-1301-B	16-Aug-11	Cobalt (Total)	<0.00010	mg/L	Exova Accutest
905651	MRY-1301-B	16-Aug-11	Copper (Total)	0.00118	mg/L	Exova Accutest
905651	MRY-1301-B	16-Aug-11	Iron (Total)	<0.03	mg/L	Exova Accutest
905651	MRY-1301-B	16-Aug-11	Lead (Total);Lead	<0.00005	mg/L	Exova Accutest
905651	MRY-1301-B	16-Aug-11	Lithium (Total)	<0.0050	mg/L	Exova Accutest
905651	MRY-1301-B	16-Aug-11	Manganese (Total)	0.000793	mg/L	Exova Accutest

Table 2. Water Chemistry Results - August 2011

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
905651	MRY-1301-B	16-Aug-11	Mercury (Total)	<0.000010	mg/L	Exova Accutest
905651	MRY-1301-B	16-Aug-11	Molybdenum (Total)	0.000158	mg/L	Exova Accutest
905651	MRY-1301-B	16-Aug-11	Nickel (Total)	0.00637	mg/L	Exova Accutest
905651	MRY-1301-B	16-Aug-11	Selenium (Total)	<0.0010	mg/L	Exova Accutest
905651	MRY-1301-B	16-Aug-11	Strontium (Total)	0.0207	mg/L	Exova Accutest
905651	MRY-1301-B	16-Aug-11	Thallium (Total)	<0.00010	mg/L	Exova Accutest
905651	MRY-1301-B	16-Aug-11	Tin (Total)	<0.00010	mg/L	Exova Accutest
905651	MRY-1301-B	16-Aug-11	Titanium (Total)	<0.01	mg/L	Exova Accutest
905651	MRY-1301-B	16-Aug-11	Uranium (Total)	0.000381	mg/L	Exova Accutest
905651	MRY-1301-B	16-Aug-11	Vanadium (Total)	<0.0010	mg/L	Exova Accutest
905651	MRY-1301-B	16-Aug-11	Zinc (Total)	<0.0030	mg/L	Exova Accutest
905101	MRY-5	17-Aug-11	pH	8.14	pH units	Exova Accutest
905101	MRY-5	17-Aug-11	Total Suspended Solids	2	mg/L	Exova Accutest
905101	MRY-5	17-Aug-11	Oil & Grease - Total	<1	mg/L	Exova Accutest
905101	MRY-5	17-Aug-11	Biochemical Oxygen Demand	2	mg/L	Exova Accutest
905324	MRY-5	17-Aug-11	Faecal Coliforms	100	CFU/100mL	Exova Accutest
905086	MRY-9-A	17-Aug-11	pH	7.45	pH units	Exova Accutest
905086	MRY-9-A	17-Aug-11	Alkalinity as CaCO3	121	mg/L	Exova Accutest
905086	MRY-9-A	17-Aug-11	Conductivity	691	uS/cm	Exova Accutest
905086	MRY-9-A	17-Aug-11	Total Dissolved Solids (COND - CALC)	449	mg/L	Exova Accutest
905086	MRY-9-A	17-Aug-11	Total Suspended Solids	<2	mg/L	Exova Accutest
905086	MRY-9-A	17-Aug-11	Oil & Grease - Total	<1	mg/L	Exova Accutest
905090	MRY-9-A	17-Aug-11	Aluminum (Total)	0.0564	mg/L	Exova Accutest
905090	MRY-9-A	17-Aug-11	Antimony (Total)	<0.00010	mg/L	Exova Accutest
905090	MRY-9-A	17-Aug-11	Arsenic (Total)	<0.00010	mg/L	Exova Accutest
905090	MRY-9-A	17-Aug-11	Barium (Total)	0.0451	mg/L	Exova Accutest
905090	MRY-9-A	17-Aug-11	Cadmium (Total)	0.000031	mg/L	Exova Accutest
905090	MRY-9-A	17-Aug-11	Chromium (Total)	<0.00050	mg/L	Exova Accutest
905090	MRY-9-A	17-Aug-11	Cobalt (Total)	0.00141	mg/L	Exova Accutest
905090	MRY-9-A	17-Aug-11	Copper (Total)	0.00141	mg/L	Exova Accutest
905090	MRY-9-A	17-Aug-11	Iron (Total)	0.06	mg/L	Exova Accutest
905090	MRY-9-A	17-Aug-11	Lead (Total);Lead	0.00013	mg/L	Exova Accutest
905090	MRY-9-A	17-Aug-11	Lithium (Total)	<0.0050	mg/L	Exova Accutest
905090	MRY-9-A	17-Aug-11	Manganese (Total)	0.0142	mg/L	Exova Accutest
905090	MRY-9-A	17-Aug-11	Mercury (Total)	<0.000010	mg/L	Exova Accutest
905090	MRY-9-A	17-Aug-11	Molybdenum (Total)	0.00385	mg/L	Exova Accutest
905090	MRY-9-A	17-Aug-11	Nickel (Total)	0.00109	mg/L	Exova Accutest
905090	MRY-9-A	17-Aug-11	Selenium (Total)	<0.0010	mg/L	Exova Accutest
905090	MRY-9-A	17-Aug-11	Strontium (Total)	0.0338	mg/L	Exova Accutest
905090	MRY-9-A	17-Aug-11	Thallium (Total)	<0.00010	mg/L	Exova Accutest
905090	MRY-9-A	17-Aug-11	Tin (Total)	<0.00010	mg/L	Exova Accutest
905090	MRY-9-A	17-Aug-11	Titanium (Total)	<0.01	mg/L	Exova Accutest
905090	MRY-9-A	17-Aug-11	Uranium (Total)	0.00472	mg/L	Exova Accutest
905090	MRY-9-A	17-Aug-11	Vanadium (Total)	<0.0010	mg/L	Exova Accutest
905090	MRY-9-A	17-Aug-11	Zinc (Total)	<0.0030	mg/L	Exova Accutest
905087	MRY-9-B	17-Aug-11	pH	6.2	pH units	Exova Accutest
905087	MRY-9-B	17-Aug-11	Alkalinity as CaCO3	11	mg/L	Exova Accutest
905087	MRY-9-B	17-Aug-11	Conductivity	256	uS/cm	Exova Accutest
905087	MRY-9-B	17-Aug-11	Total Dissolved Solids (COND - CALC)	166	mg/L	Exova Accutest
905087	MRY-9-B	17-Aug-11	Total Suspended Solids	<2	mg/L	Exova Accutest
905087	MRY-9-B	17-Aug-11	Oil & Grease - Total	<1	mg/L	Exova Accutest
905091	MRY-9-B	17-Aug-11	Aluminum (Total)	0.148	mg/L	Exova Accutest
905091	MRY-9-B	17-Aug-11	Antimony (Total)	<0.00010	mg/L	Exova Accutest
905091	MRY-9-B	17-Aug-11	Arsenic (Total)	<0.00010	mg/L	Exova Accutest
905091	MRY-9-B	17-Aug-11	Barium (Total)	0.0108	mg/L	Exova Accutest
905091	MRY-9-B	17-Aug-11	Cadmium (Total)	0.000244	mg/L	Exova Accutest
905091	MRY-9-B	17-Aug-11	Chromium (Total)	0.00078	mg/L	Exova Accutest
905091	MRY-9-B	17-Aug-11	Cobalt (Total)	0.00066	mg/L	Exova Accutest
905091	MRY-9-B	17-Aug-11	Copper (Total)	0.0016	mg/L	Exova Accutest
905091	MRY-9-B	17-Aug-11	Iron (Total)	0.16	mg/L	Exova Accutest
905091	MRY-9-B	17-Aug-11	Lead (Total);Lead	0.0005	mg/L	Exova Accutest
905091	MRY-9-B	17-Aug-11	Lithium (Total)	<0.0050	mg/L	Exova Accutest
905091	MRY-9-B	17-Aug-11	Manganese (Total)	1.52	mg/L	Exova Accutest
905091	MRY-9-B	17-Aug-11	Mercury (Total)	<0.000010	mg/L	Exova Accutest
905091	MRY-9-B	17-Aug-11	Molybdenum (Total)	0.000486	mg/L	Exova Accutest
905091	MRY-9-B	17-Aug-11	Nickel (Total)	0.00189	mg/L	Exova Accutest
905091	MRY-9-B	17-Aug-11	Selenium (Total)	<0.0010	mg/L	Exova Accutest
905091	MRY-9-B	17-Aug-11	Strontium (Total)	0.0366	mg/L	Exova Accutest
905091	MRY-9-B	17-Aug-11	Thallium (Total)	<0.00010	mg/L	Exova Accutest
905091	MRY-9-B	17-Aug-11	Tin (Total)	<0.00010	mg/L	Exova Accutest

Table 2. Water Chemistry Results - August 2011

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
905091	MRY-9-B	17-Aug-11	Titanium (Total)	0.01	mg/L	Exova Accutest
905091	MRY-9-B	17-Aug-11	Uranium (Total)	0.000045	mg/L	Exova Accutest
905091	MRY-9-B	17-Aug-11	Vanadium (Total)	<0.0010	mg/L	Exova Accutest
905091	MRY-9-B	17-Aug-11	Zinc (Total)	0.0173	mg/L	Exova Accutest
905088	MRY-902A	17-Aug-11	pH	5.41	pH units	Exova Accutest
905088	MRY-902A	17-Aug-11	Alkalinity as CaCO3	<5	mg/L	Exova Accutest
905088	MRY-902A	17-Aug-11	Conductivity	<5	uS/cm	Exova Accutest
905088	MRY-902A	17-Aug-11	Total Dissolved Solids (COND - CALC)	<1	mg/L	Exova Accutest
905088	MRY-902A	17-Aug-11	Total Suspended Solids	<2	mg/L	Exova Accutest
905088	MRY-902A	17-Aug-11	Oil & Grease - Total	<1	mg/L	Exova Accutest
905092	MRY-902A	17-Aug-11	Aluminum (Total)	<0.0030	mg/L	Exova Accutest
905092	MRY-902A	17-Aug-11	Antimony (Total)	<0.00010	mg/L	Exova Accutest
905092	MRY-902A	17-Aug-11	Arsenic (Total)	<0.00010	mg/L	Exova Accutest
905092	MRY-902A	17-Aug-11	Barium (Total)	<0.000050	mg/L	Exova Accutest
905092	MRY-902A	17-Aug-11	Cadmium (Total)	<0.000010	mg/L	Exova Accutest
905092	MRY-902A	17-Aug-11	Chromium (Total)	<0.00050	mg/L	Exova Accutest
905092	MRY-902A	17-Aug-11	Cobalt (Total)	<0.00010	mg/L	Exova Accutest
905092	MRY-902A	17-Aug-11	Copper (Total)	<0.00050	mg/L	Exova Accutest
905092	MRY-902A	17-Aug-11	Iron (Total)	<0.03	mg/L	Exova Accutest
905092	MRY-902A	17-Aug-11	Lead (Total);Lead	<0.00005	mg/L	Exova Accutest
905092	MRY-902A	17-Aug-11	Lithium (Total)	<0.0050	mg/L	Exova Accutest
905092	MRY-902A	17-Aug-11	Manganese (Total)	<0.000050	mg/L	Exova Accutest
905092	MRY-902A	17-Aug-11	Mercury (Total)	<0.000010	mg/L	Exova Accutest
905092	MRY-902A	17-Aug-11	Molybdenum (Total)	<0.000050	mg/L	Exova Accutest
905092	MRY-902A	17-Aug-11	Nickel (Total)	<0.00050	mg/L	Exova Accutest
905092	MRY-902A	17-Aug-11	Selenium (Total)	<0.0010	mg/L	Exova Accutest
905092	MRY-902A	17-Aug-11	Strontium (Total)	<0.00010	mg/L	Exova Accutest
905092	MRY-902A	17-Aug-11	Thallium (Total)	<0.00010	mg/L	Exova Accutest
905092	MRY-902A	17-Aug-11	Tin (Total)	<0.00010	mg/L	Exova Accutest
905092	MRY-902A	17-Aug-11	Titanium (Total)	<0.01	mg/L	Exova Accutest
905092	MRY-902A	17-Aug-11	Uranium (Total)	<0.000010	mg/L	Exova Accutest
905092	MRY-902A	17-Aug-11	Vanadium (Total)	<0.0010	mg/L	Exova Accutest
905092	MRY-902A	17-Aug-11	Zinc (Total)	0.0045	mg/L	Exova Accutest
905089	MRY-903A	17-Aug-11	pH	5.32	pH units	Exova Accutest
905089	MRY-903A	17-Aug-11	Alkalinity as CaCO3	<5	mg/L	Exova Accutest
905089	MRY-903A	17-Aug-11	Conductivity	<5	uS/cm	Exova Accutest
905089	MRY-903A	17-Aug-11	Total Dissolved Solids (COND - CALC)	<1	mg/L	Exova Accutest
905089	MRY-903A	17-Aug-11	Total Suspended Solids	<2	mg/L	Exova Accutest
905089	MRY-903A	17-Aug-11	Oil & Grease - Total	<1	mg/L	Exova Accutest
905093	MRY-903A	17-Aug-11	Aluminum (Total)	<0.0030	mg/L	Exova Accutest
905093	MRY-903A	17-Aug-11	Antimony (Total)	<0.00010	mg/L	Exova Accutest
905093	MRY-903A	17-Aug-11	Arsenic (Total)	<0.00010	mg/L	Exova Accutest
905093	MRY-903A	17-Aug-11	Barium (Total)	<0.000050	mg/L	Exova Accutest
905093	MRY-903A	17-Aug-11	Cadmium (Total)	<0.000010	mg/L	Exova Accutest
905093	MRY-903A	17-Aug-11	Chromium (Total)	<0.00050	mg/L	Exova Accutest
905093	MRY-903A	17-Aug-11	Cobalt (Total)	<0.00010	mg/L	Exova Accutest
905093	MRY-903A	17-Aug-11	Copper (Total)	<0.00050	mg/L	Exova Accutest
905093	MRY-903A	17-Aug-11	Iron (Total)	<0.03	mg/L	Exova Accutest
905093	MRY-903A	17-Aug-11	Lead (Total);Lead	<0.00005	mg/L	Exova Accutest
905093	MRY-903A	17-Aug-11	Lithium (Total)	<0.0050	mg/L	Exova Accutest
905093	MRY-903A	17-Aug-11	Manganese (Total)	<0.000050	mg/L	Exova Accutest
905093	MRY-903A	17-Aug-11	Mercury (Total)	<0.000010	mg/L	Exova Accutest
905093	MRY-903A	17-Aug-11	Molybdenum (Total)	<0.000050	mg/L	Exova Accutest
905093	MRY-903A	17-Aug-11	Nickel (Total)	<0.00050	mg/L	Exova Accutest
905093	MRY-903A	17-Aug-11	Selenium (Total)	<0.0010	mg/L	Exova Accutest
905093	MRY-903A	17-Aug-11	Strontium (Total)	<0.00010	mg/L	Exova Accutest
905093	MRY-903A	17-Aug-11	Thallium (Total)	<0.00010	mg/L	Exova Accutest
905093	MRY-903A	17-Aug-11	Tin (Total)	<0.00010	mg/L	Exova Accutest
905093	MRY-903A	17-Aug-11	Titanium (Total)	<0.01	mg/L	Exova Accutest
905093	MRY-903A	17-Aug-11	Uranium (Total)	<0.000010	mg/L	Exova Accutest
905093	MRY-903A	17-Aug-11	Vanadium (Total)	<0.0010	mg/L	Exova Accutest
905093	MRY-903A	17-Aug-11	Zinc (Total)	0.0031	mg/L	Exova Accutest
906096	MRY-4C	21-Aug-11	pH	7.7	pH units	Exova Accutest
906096	MRY-4C	21-Aug-11	Total Suspended Solids	14	mg/L	Exova Accutest
906096	MRY-4C	21-Aug-11	Oil & Grease - Total	<1	mg/L	Exova Accutest
906113	MRY-4C	21-Aug-11	Faecal Coliforms	<10	CFU/100mL	Exova Accutest
906096	MRY-4C	21-Aug-11	Biochemical Oxygen Demand	6	mg/L	Exova Accutest
906105	MRY-5	22-Aug-11	Total Suspended Solids	4	mg/L	Exova Accutest
906114	MRY-5	22-Aug-11	Faecal Coliforms	150	CFU/100mL	Exova Accutest
906105	MRY-5	22-Aug-11	pH	7.31	pH units	Exova Accutest

Table 2. Water Chemistry Results - August 2011

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
906105	MRY-5	22-Aug-11	Biochemical Oxygen Demand	3	mg/L	Exova Accutest
906105	MRY-5	22-Aug-11	Oil & Grease - Total	<1	mg/L	Exova Accutest
906359	MRY-401C	23-Aug-11	Total Suspended Solids	11	mg/L	Exova Accutest
906360	MRY-402C	23-Aug-11	Total Suspended Solids	<2	mg/L	Exova Accutest
906361	MRY-4C	23-Aug-11	Total Suspended Solids	12	mg/L	Exova Accutest
906657	MRY-4C	24-Aug-11	pH	9.3	pH units	Exova Accutest
906657	MRY-4C	24-Aug-11	Total Suspended Solids	22	mg/L	Exova Accutest
906657	MRY-4C	24-Aug-11	Oil & Grease - Total	<1	mg/L	Exova Accutest
906634	MRY-4C	24-Aug-11	Faecal Coliforms	<10	CFU/100mL	Exova Accutest
906657	MRY-4C	24-Aug-11	Biochemical Oxygen Demand	8	mg/L	Exova Accutest
907018	MRY-5	25-Aug-11	Total Suspended Solids	4	mg/L	Exova Accutest
906973	MRY-5	25-Aug-11	Faecal Coliforms	230	CFU/100mL	Exova Accutest
907018	MRY-5	25-Aug-11	pH	7.22	pH units	Exova Accutest
907018	MRY-5	25-Aug-11	Biochemical Oxygen Demand	5	mg/L	Exova Accutest
907018	MRY-5	25-Aug-11	Oil & Grease - Total	<1	mg/L	Exova Accutest
907649	MRY-4B	28-Aug-11	pH	7.02	pH units	Exova Accutest
907649	MRY-4B	28-Aug-11	Total Suspended Solids	19	mg/L	Exova Accutest
907649	MRY-4B	28-Aug-11	Oil & Grease - Total	<1	mg/L	Exova Accutest
907631	MRY-4B	28-Aug-11	Faecal Coliforms	<10	CFU/100mL	Exova Accutest
907649	MRY-4B	28-Aug-11	Biochemical Oxygen Demand	7	mg/L	Exova Accutest
907650	MRY-401B	28-Aug-11	pH	7.04	pH units	Exova Accutest
907650	MRY-401B	28-Aug-11	Total Suspended Solids	18	mg/L	Exova Accutest
907650	MRY-401B	28-Aug-11	Oil & Grease - Total	<1	mg/L	Exova Accutest
907632	MRY-401B	28-Aug-11	Faecal Coliforms	<10	CFU/100mL	Exova Accutest
907650	MRY-401B	28-Aug-11	Biochemical Oxygen Demand	8	mg/L	Exova Accutest
908043	MRY-4	29-Aug-11	Total Suspended Solids	19	mg/L	Exova Accutest
908062	MRY-4	29-Aug-11	Faecal Coliforms	6	CFU/100mL	Exova Accutest
908043	MRY-4	29-Aug-11	pH	7.3	pH units	Exova Accutest
908043	MRY-4	29-Aug-11	Biochemical Oxygen Demand	12	mg/L	Exova Accutest
908043	MRY-4	29-Aug-11	Oil & Grease - Total	<1	mg/L	Exova Accutest
--	MRY-4b	30-Aug-11	Acute Toxicity*	non-toxic	--	Exova
908321	MRY-4B	31-Aug-11	pH	7.34	pH units	Exova Accutest
908321	MRY-4B	31-Aug-11	Total Suspended Solids	21	mg/L	Exova Accutest
908321	MRY-4B	31-Aug-11	Oil & Grease - Total	<1	mg/L	Exova Accutest
908315	MRY-4B	31-Aug-11	Faecal Coliforms	0	CFU/100mL	Exova Accutest
908321	MRY-4B	31-Aug-11	Biochemical Oxygen Demand	8	mg/L	Exova Accutest
908322	MRY-401B	31-Aug-11	pH	7.39	pH units	Exova Accutest
908322	MRY-401B	31-Aug-11	Total Suspended Solids	24	mg/L	Exova Accutest
908322	MRY-401B	31-Aug-11	Oil & Grease - Total	<1	mg/L	Exova Accutest
908316	MRY-401B	31-Aug-11	Faecal Coliforms	0	CFU/100mL	Exova Accutest
908322	MRY-401B	31-Aug-11	Biochemical Oxygen Demand	8	mg/L	Exova Accutest

Notes:

- MRY-9 is downstream of bulk sample pit/bench.
- MRY-11 is downstream of bulk sample crusher area.
- MRY-12 is downstream of bulk ore stockpile area at Milne Inlet.
- MRY-13a is downstream of non-hazardous landfill facility
- MRY-13b is downstream of MRY-13a.
- Acute lethality to Rainbow trout, *Oncorhynchus mykiss* (as per Environment Canada's Environmental Protection Series Method EPS/1/RM/13)
- Acute lethality to *Daphnia magna* (as per Environment Canada's Environmental Protection Series Biological Test Method EPS/1/RM/14).

Table 3: Flow and Volume Measurements-Part I Item 7 - August 2011

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	Three Km Lake Steensby Inlet Daily Potable Water (m ³)	Km 32 Lake (Milne Inlet Camp) - Daily Potable Water (m ³)	Milne Inlet Camp Daily Freshwater Use for Other Purposes (m ³)	Treated Sewage Effluent (m ³) from WWTF to PWSP at Mary River Camp - MRY-4	Treated Sewage Effluent (m ³) from PWSP to Discharge at Sheardown Lake	Treated Sewage Effluent (m ³) from WWTF to Discharge at Milne Inlet	Daily Drill Water Use (m ³) - Geotechnical
1-Aug	16.4	0.0	0.0	0.0	0.0	16.4	0.0	0.0	10.0
2-Aug	16.4	0.0	3.6	0.0	0.0	16.4	0.0	0.0	19.9
3-Aug	24.6	0.0	3.3	0.0	0.0	24.6	0.0	0.0	72.1
4-Aug	27.3	8.2	0.0	0.0	0.0	35.8	0.0	0.0	45.7
5-Aug	16.4	0.0	6.9	0.0	0.0	16.4	0.0	0.0	6.7
6-Aug	16.4	8.2	0.0	0.0	0.0	16.4	0.0	0.0	23.1
7-Aug	16.4	8.2	0.0	0.0	0.0	16.4	0.0	0.0	15.2
8-Aug	24.6	0.0	6.4	0.0	0.0	24.6	0.0	0.0	20.3
9-Aug	16.4	0.0	10.3	0.0	0.0	16.4	0.0	0.0	34.3
10-Aug	24.6	8.2	0.0	0.0	0.0	36.6	0.0	0.0	28.6
11-Aug	24.6	0.0	0.0	0.0	0.0	24.6	0.0	0.0	17.2
12-Aug	24.6	0.0	8.2	0.0	0.0	24.6	0.0	0.0	16.8
13-Aug	24.6	8.2	0.0	0.0	0.0	24.6	0.0	0.0	2.8
14-Aug	32.8	8.2	0.0	0.0	0.0	32.8	0.0	0.0	2.3
15-Aug	16.4	0.0	5.3	0.0	0.0	16.4	0.0	0.0	15.3
16-Aug	24.6	0.0	3.5	0.0	0.0	24.6	0.0	0.0	29.5
17-Aug	16.4	0.0	2.7	10.0	0.0	16.4	0.0	14.0	12.1
18-Aug	24.6	0.0	3.4	0.0	0.0	24.6	0.0	0.0	26.2
19-Aug	24.6	0.0	0.0	10.0	0.0	24.6	0.0	0.0	19.3
20-Aug	16.4	0.0	3.7	0.0	11.0	16.4	0.0	14.0	25.1
21-Aug	16.4	0.0	0.0	10.0	0.0	28.4	132.0	14.0	26.7
22-Aug	16.4	0.0	2.7	10.0	11.0	16.4	25.5	14.0	12.2
23-Aug	16.4	0.0	0.0	0.0	0.0	16.4	216.1	0.0	17.9
24-Aug	16.4	0.0	4.3	10.0	0.0	16.4	0.0	7.0	9.7
25-Aug	16.4	0.0	0.0	10.0	0.0	28.4	93.2	0.0	0.0
26-Aug	16.4	0.0	3.5	0.0	0.0	16.4	422.7	0.0	0.0
27-Aug	16.4	0.0	0.0	0.0	0.0	16.4	413.5	0.0	0.0
28-Aug	24.6	0.0	0.0	0.0	10.0	24.6	101.0	12.0	0.0
29-Aug	16.4	0.0	4.7	10.0	0.0	16.4	259.0	0.0	0.0
30-Aug	16.4	0.0	0.0	10.0	0.0	16.4	232.0	0.0	0.0
31-Aug	16.4	0.0	3.4	10.0	0.0	16.4	239.1	13.0	0.0
Total	617.7	49.2	75.8	90.0	32.0	662.2	2134.1	88.0	509.1

Notes:

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