



July 30, 2013

Manager of Licensing
Nunavut Water Board
P.O. Box 119
Gjoa Haven, NU X0B 1J0

Water Resources Officer, AANDC
Nunavut District, Nunavut Region
P.O. Box 100
Iqaluit, NU X0A 0H0

RE: Water License 2BB-MRY1114 Monthly SNP Report – June 2013

The following is the monthly report for June 2013 as required under Part I, Item 19 of Water License 2BB-MRY1114.

SNP Sampling

During the month of June 2013, samples were collected at MRY-4, MRY-4A (PWSP Nos. 2 and 3), , MRY-5, MRY-5A, MRY-6, MRY-7, MRY-11, 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 and the volumes of treated sewage effluent and sewage sludge discharged at Mary River Mine Site, Milne Port Camp, and Steensby Inlet Camp are presented in attached Table 3.

SNP Results

A) Water Sampling and Analysis Results

Table 2 provides the analytical results related to SNP sampling requirements for June 2013.

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 June 2013.

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(cell) / 647-693-9447(site) 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 (seven pages)
Cc: Andrew Keim (AANDC) and Stephen Bathory (QIA)

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Table 1: SNP Water Sampling Summary for June 2013

SNP Station	Sampling Date	Lab ID#	Comment
MRY-1	N/A	N/A	Volume reported daily
MRY-2	N/A	N/A	N/A – Water take location not active
MRY-3	N/A	N/A	N/A – Water take location not active
KM32 Lake	N/A	N/A	Volume reported daily
3-Km Lake	N/A	N/A	Volume reported daily
MRY-4	June 6, 2013 June 10, 2013 June 17, 2013 June 24, 2013	1031638, 1031643 1032056, 1032063 1033935, 1033954 1036133, 1036101	Volume reported daily
MRY-401	June 6, 2013 June 10, 2013 June 17, 2013 June 24, 2013	1031639, 1031644 1032059, 1032066 1033936, 1033955 1036134, 1036102	Field Duplicate (QA/QC)
MRY-402	June 6, 2013	1031640, 1031645	Field Blank (QA/QC).
MRY-4A (PWSP No. 2)	June 2, 2013 June 3, 2013	1030653, 1030609 1030858	Volume Reported Daily
MRY-4A (PWSP No. 3)	June 2, 2013 June 3, 2013 June 18, 2013	1030654, 1030610 1030859 1034874, 1034873	
MRY-5	June 5, 2013	1031232, 1031272	Volume Reported Daily
MRY-5A	June 11, 2013 June 12, 2013	1033187 1033189, 1033191	Volume Reported Daily
MRY-6	June 16, 2013 June 16, 2013 June 16, 2013 June 16, 2013 June 21, 2013 June 24, 2013 June 26, 2013	1033942 1033945 1033948 1033951 1036610 1036615 1037856	Volume Reported Daily
MRY-7	June 13, 2013 June 13, 2013 June 13, 2013 June 17, 2013 June 21, 2013 June 23, 2013 June 28, 2013	1033565 1033566 1033567 1034868 1036137 1036618 1038312	Volume Reported Daily
MRY-7A	June 4, 2013	1031224	
MRY-9	N/A	N/A	N/A – No Access Available
MRY-10	N/A	N/A	N/A – No Access Available
MRY-11-TP1	June 30, 2013	1039245, 1039249	
MRY-11-TP2	June 30, 2013	1039246, 1039250	
MRY-11-TP3	June 30, 2013	1039247, 103 9251	
MRY-11-TP4	June 30, 2013	1039248, 1039252	
MRY-12	N/A	N/A	N/A – No Surface Flow
MRY-13A	June 18, 2013		Lab delay – results forthcoming
MRY-13B	June 18, 2013		Lab delay – results forthcoming

Notes:



MRY-9 is downstream of bulk sample pit/bench.

MRY-10 is downstream of bulk sample weathered ore/waste rock pile.

MRY-11- downstream of bulk sample crusher area

MRY-11-TP1, TP2, TP3, and TP4 correspond to test pits constructed downstream of sample crusher area

MRY-12 is downstream of bulk ore stockpile area at Milne Inlet.

MRY-13A and B are downstream of non-hazardous landfill facility.

MRY-401, and MRY-402 are QA/QC Samples for MRY-4 (field duplicate and field blank, respectively).

MRY-4A corresponds to PWSP no. 1

MRY-4B corresponds to PWSP no. 2

MRY-4C corresponds to PWSP no. 3

MRY-5A corresponds to Milne Exploration PWSP.

MRY-7A corresponds to Milne Port Bulk Fuel Storage Facility Stormwater

Table 2. Water Chemistry Results - June 2013

Sample Number	Sample ID	Date Sampled	Parameter Name	Result	Unit	Lab
1031638	MRY-4	6-Jun-13	Biochemical Oxygen Demand	23	mg/L	Exova Accutest
1031643	MRY-4	6-Jun-13	Faecal Coliforms	1	mg/L	Exova Accutest
1031638	MRY-4	6-Jun-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1031638	MRY-4	6-Jun-13	Total Suspended Solids	42**	mg/L	Exova Accutest
1031638	MRY-4	6-Jun-13	pH	7.85	pH units	Exova Accutest
1032056	MRY-4	10-Jun-13	Biochemical Oxygen Demand	21	mg/L	Exova Accutest
1032063	MRY-4	10-Jun-13	Faecal Coliforms	2	mg/L	Exova Accutest
1032056	MRY-4	10-Jun-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1032056	MRY-4	10-Jun-13	Total Suspended Solids	26	mg/L	Exova Accutest
1032056	MRY-4	10-Jun-13	pH	7.91	pH units	Exova Accutest
1033935	MRY-4	17-Jun-13	Biochemical Oxygen Demand	19	mg/L	Exova Accutest
1033954	MRY-4	17-Jun-13	Faecal Coliforms	<10	mg/L	Exova Accutest
1033935	MRY-4	17-Jun-13	Oil & Grease - Total	4	mg/L	Exova Accutest
1033935	MRY-4	17-Jun-13	Total Suspended Solids	24	mg/L	Exova Accutest
1033935	MRY-4	17-Jun-13	pH	7.56	pH units	Exova Accutest
1036133	MRY-4	24-Jun-13	Biochemical Oxygen Demand	22	mg/L	Exova Accutest
1036101	MRY-4	24-Jun-13	Faecal Coliforms	20	mg/L	Exova Accutest
1036133	MRY-4	24-Jun-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1036133	MRY-4	24-Jun-13	Total Suspended Solids	31	mg/L	Exova Accutest
1036133	MRY-4	24-Jun-13	pH	7.01	pH units	Exova Accutest
1031639	MRY-401	6-Jun-13	Biochemical Oxygen Demand	24	mg/L	Exova Accutest
1031644	MRY-401	6-Jun-13	Faecal Coliforms	0	mg/L	Exova Accutest
1031639	MRY-401	6-Jun-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1031639	MRY-401	6-Jun-13	Total Suspended Solids	34	mg/L	Exova Accutest
1031639	MRY-401	6-Jun-13	pH	7.50	pH units	Exova Accutest
1032059	MRY-401	10-Jun-13	Biochemical Oxygen Demand	19	mg/L	Exova Accutest
1032066	MRY-401	10-Jun-13	Faecal Coliforms	1	mg/L	Exova Accutest
1032059	MRY-401	10-Jun-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1032059	MRY-401	10-Jun-13	Total Suspended Solids	13	mg/L	Exova Accutest
1032059	MRY-401	10-Jun-13	pH	7.83	pH units	Exova Accutest
1033936	MRY-401	17-Jun-13	Biochemical Oxygen Demand	17	mg/L	Exova Accutest
1033955	MRY-401	17-Jun-13	Faecal Coliforms	<10	mg/L	Exova Accutest
1033936	MRY-401	17-Jun-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1033936	MRY-401	17-Jun-13	Total Suspended Solids	22	mg/L	Exova Accutest
1033936	MRY-401	17-Jun-13	pH	7.62	pH units	Exova Accutest
1036134	MRY-401	24-Jun-13	Biochemical Oxygen Demand	20	mg/L	Exova Accutest
1036102	MRY-401	24-Jun-13	Faecal Coliforms	10	mg/L	Exova Accutest
1036134	MRY-401	24-Jun-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1036134	MRY-401	24-Jun-13	Total Suspended Solids	34	mg/L	Exova Accutest
1036134	MRY-401	24-Jun-13	pH	7.03	pH units	Exova Accutest
1031640	MRY-402	6-Jun-13	Biochemical Oxygen Demand	<1	mg/L	Exova Accutest
1031645	MRY-402	6-Jun-13	Faecal Coliforms	0	mg/L	Exova Accutest
1031640	MRY-402	6-Jun-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1031640	MRY-402	6-Jun-13	Total Suspended Solids	<2	mg/L	Exova Accutest
1031640	MRY-402	6-Jun-13	pH	5.56	pH units	Exova Accutest
1030653	MRY-4B	2-Jun-13	Biochemical Oxygen Demand	5	mg/L	Exova Accutest
1030609	MRY-4B	2-Jun-13	Faecal Coliforms	<10	ct/100mL	Exova Accutest
1030653	MRY-4B	2-Jun-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1030653	MRY-4B	2-Jun-13	Total Suspended Solids	12	mg/L	Exova Accutest
1030653	MRY-4B	2-Jun-13	pH	7.27	pH units	Exova Accutest
1030858	MRY-4B	3-Jun-13	Toxicity*	Non-lethal	-	Exova Accutest
1030654	MRY-4C	2-Jun-13	Biochemical Oxygen Demand	11	mg/L	Exova Accutest
1030610	MRY-4C	2-Jun-13	Faecal Coliforms	90	ct/100mL	Exova Accutest
1030654	MRY-4C	2-Jun-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1030654	MRY-4C	2-Jun-13	Total Suspended Solids	6	mg/L	Exova Accutest
1030654	MRY-4C	2-Jun-13	pH	7.45	pH units	Exova Accutest
1030859	MRY-4C	3-Jun-13	Toxicity*	Non-lethal	-	Exova Accutest
1034874	MRY-4C	18-Jun-13	Biochemical Oxygen Demand	9	mg/L	Exova Accutest
1034873	MRY-4C	18-Jun-13	Faecal Coliforms	1	mg/L	Exova Accutest
1034874	MRY-4C	18-Jun-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1034874	MRY-4C	18-Jun-13	Total Suspended Solids	11	mg/L	Exova Accutest
1034874	MRY-4C	18-Jun-13	pH	7.39	pH units	Exova Accutest
1031232	MRY-5	5-Jun-13	Biochemical Oxygen Demand	42	mg/L	Exova Accutest
1031272	MRY-5	5-Jun-13	Faecal Coliforms	78000**	mg/L	Exova Accutest
1031232	MRY-5	5-Jun-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1031232	MRY-5	5-Jun-13	Total Suspended Solids	42	mg/L	Exova Accutest
1031232	MRY-5	5-Jun-13	pH	7.70	pH units	Exova Accutest
1033187	MRY-5A	11-Jun-13	Biochemical Oxygen Demand	8	mg/L	Exova Accutest
1033187	MRY-5A	11-Jun-13	Chemical Oxygen Demand	27	mg/L	Exova Accutest
1033187	MRY-5A	11-Jun-13	Oil & Grease - Total	<1	mg/L	Exova Accutest

1033187	MRY-5A	11-Jun-13	Total Suspended Solids	14	mg/L	Exova Accutest
1033187	MRY-5A	11-Jun-13	pH	6.75	pH units	Exova Accutest
1033189	MRY-5A	12-Jun-13	Biochemical Oxygen Demand	7	mg/L	Exova Accutest
1033191	MRY-5A	12-Jun-13	Faecal Coliforms	4	mg/L	Exova Accutest
1033189	MRY-5A	12-Jun-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1033189	MRY-5A	12-Jun-13	Total Suspended Solids	9	mg/L	Exova Accutest
1033189	MRY-5A	12-Jun-13	pH	7.08	pH units	Exova Accutest
1033942	MRY-6-1	16-Jun-13	Benzene	<0.5	ug/L	Exova Accutest
1033942	MRY-6-1	16-Jun-13	Ethylbenzene	<0.5	ug/L	Exova Accutest
1033942	MRY-6-1	16-Jun-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1033942	MRY-6-1	16-Jun-13	Lead (Total)	<0.001	mg/L	Exova Accutest
1033942	MRY-6-1	16-Jun-13	Toluene	<0.5	ug/L	Exova Accutest
1033945	MRY-6-2	16-Jun-13	Benzene	<0.5	ug/L	Exova Accutest
1033945	MRY-6-2	16-Jun-13	Ethylbenzene	<0.5	ug/L	Exova Accutest
1033945	MRY-6-2	16-Jun-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1033945	MRY-6-2	16-Jun-13	Lead (Total)	<0.001	mg/L	Exova Accutest
1033945	MRY-6-2	16-Jun-13	Toluene	<0.5	ug/L	Exova Accutest
1033948	MRY-6-3	16-Jun-13	Benzene	<0.5	ug/L	Exova Accutest
1033948	MRY-6-3	16-Jun-13	Ethylbenzene	<0.5	ug/L	Exova Accutest
1033948	MRY-6-3	16-Jun-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1033948	MRY-6-3	16-Jun-13	Lead (Total)	<0.001	mg/L	Exova Accutest
1033948	MRY-6-3	16-Jun-13	Toluene	<0.5	ug/L	Exova Accutest
1033951	MRY-6-4	16-Jun-13	Benzene	<0.5	ug/L	Exova Accutest
1033951	MRY-6-4	16-Jun-13	Ethylbenzene	<0.5	ug/L	Exova Accutest
1033951	MRY-6-4	16-Jun-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1033951	MRY-6-4	16-Jun-13	Lead (Total)	<0.001	mg/L	Exova Accutest
1033951	MRY-6-4	16-Jun-13	Toluene	<0.5	ug/L	Exova Accutest
1037856	MRY-6	26-Jun-13	Benzene	<0.5	ug/L	Exova Accutest
1037856	MRY-6	26-Jun-13	Ethylbenzene	<0.5	ug/L	Exova Accutest
1037856	MRY-6	26-Jun-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1037856	MRY-6	26-Jun-13	Lead (Total)	<0.001	mg/L	Exova Accutest
1037856	MRY-6	26-Jun-13	Toluene	<0.5	ug/L	Exova Accutest
1036610	MRY-6	21-Jun-13	Benzene	<0.5	ug/L	Exova Accutest
1036610	MRY-6	21-Jun-13	Ethylbenzene	<0.5	ug/L	Exova Accutest
1036610	MRY-6	21-Jun-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1036610	MRY-6	21-Jun-13	Lead (Total)	<0.001	mg/L	Exova Accutest
1036610	MRY-6	21-Jun-13	Toluene	<0.5	ug/L	Exova Accutest
1036615	MRY-6	24-Jun-13	Benzene	<0.5	ug/L	Exova Accutest
1036615	MRY-6	24-Jun-13	Ethylbenzene	<0.5	ug/L	Exova Accutest
1036615	MRY-6	24-Jun-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1036615	MRY-6	24-Jun-13	Lead (Total)	<0.001	mg/L	Exova Accutest
1036615	MRY-6	24-Jun-13	Toluene	<0.5	ug/L	Exova Accutest
1037856	MRY-6	26-Jun-13	Benzene	<0.5	ug/L	Exova Accutest
1037856	MRY-6	26-Jun-13	Ethylbenzene	<0.5	ug/L	Exova Accutest
1037856	MRY-6	26-Jun-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1037856	MRY-6	26-Jun-13	Lead (Total)	<0.001	mg/L	Exova Accutest
1037856	MRY-6	26-Jun-13	Toluene	<0.5	ug/L	Exova Accutest
1033565	MRY-7-1	13-Jun-13	Benzene	<0.5	ug/L	Exova Accutest
1033565	MRY-7-1	13-Jun-13	Ethylbenzene	<0.5	ug/L	Exova Accutest
1033565	MRY-7-1	13-Jun-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1033565	MRY-7-1	13-Jun-13	Lead (Total)	<0.001	mg/L	Exova Accutest
1033565	MRY-7-1	13-Jun-13	Toluene	<0.5	ug/L	Exova Accutest
1033566	MRY-7-2	13-Jun-13	Benzene	<0.5	ug/L	Exova Accutest
1033566	MRY-7-2	13-Jun-13	Ethylbenzene	<0.5	ug/L	Exova Accutest
1033566	MRY-7-2	13-Jun-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1033566	MRY-7-2	13-Jun-13	Lead (Total)	<0.001	mg/L	Exova Accutest
1033566	MRY-7-2	13-Jun-13	Toluene	<0.5	ug/L	Exova Accutest
1033567	MRY-7-3	13-Jun-13	Benzene	<0.5	ug/L	Exova Accutest
1033567	MRY-7-3	13-Jun-13	Ethylbenzene	<0.5	ug/L	Exova Accutest
1033567	MRY-7-3	13-Jun-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1033567	MRY-7-3	13-Jun-13	Lead (Total)	<0.001	mg/L	Exova Accutest
1033567	MRY-7-3	13-Jun-13	Toluene	<0.5	ug/L	Exova Accutest
1034868	MRY-7	17-Jun-13	Benzene	<0.5	ug/L	Exova Accutest
1034868	MRY-7	17-Jun-13	Ethylbenzene	<0.5	ug/L	Exova Accutest
1034868	MRY-7	17-Jun-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1034868	MRY-7	17-Jun-13	Lead (Total)	<0.001	mg/L	Exova Accutest
1034868	MRY-7	17-Jun-13	Toluene	<0.5	ug/L	Exova Accutest
1036137	MRY-7	21-Jun-13	Benzene	<0.5	ug/L	Exova Accutest
1036137	MRY-7	21-Jun-13	Ethylbenzene	<0.5	ug/L	Exova Accutest
1036137	MRY-7	21-Jun-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1036137	MRY-7	21-Jun-13	Lead (Total)	<0.001	mg/L	Exova Accutest
1036137	MRY-7	21-Jun-13	Toluene	<0.5	ug/L	Exova Accutest
1036618	MRY-7	23-Jun-13	Benzene	<0.5	ug/L	Exova Accutest

1036618	MRY-7	23-Jun-13	Ethylbenzene	<0.5	ug/L	Exova Accutest
1036618	MRY-7	23-Jun-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1036618	MRY-7	23-Jun-13	Lead (Total)	<0.001	mg/L	Exova Accutest
1036618	MRY-7	23-Jun-13	Toluene	<0.5	ug/L	Exova Accutest
1038312	MRY-7	28-Jun-13	Benzene	<0.5	ug/L	Exova Accutest
1038312	MRY-7	28-Jun-13	Ethylbenzene	<0.5	ug/L	Exova Accutest
1038312	MRY-7	28-Jun-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1038312	MRY-7	28-Jun-13	Lead (Total)	<0.001	mg/L	Exova Accutest
1038312	MRY-7	28-Jun-13	Toluene	<0.5	ug/L	Exova Accutest
1031224	MRY-7A	4-Jun-13	Benzene	<0.5	ug/L	Exova Accutest
1031224	MRY-7A	4-Jun-13	Ethylbenzene	<0.5	ug/L	Exova Accutest
1031224	MRY-7A	4-Jun-13	Oil & Grease - Total	<1	mg/L	Exova Accutest
1031224	MRY-7A	4-Jun-13	Lead (Total)	<0.001	mg/L	Exova Accutest
1031224	MRY-7A	4-Jun-13	Toluene	<0.5	ug/L	Exova Accutest
1039245	MRY-11-TP1	30-Jun-12	Oil & Grease	no sheen	mg/L	Exova Accutest
1039245	MRY-11-TP1	30-Jun-12	pH	7.53	pH units	Exova Accutest
1039245	MRY-11-TP1	30-Jun-12	Total Suspended Solids	<2	mg/L	Exova Accutest
1039249	MRY-11-TP1	30-Jun-12	Arsenic (Total)	<0.10	ug/L	Exova Accutest
1039249	MRY-11-TP1	30-Jun-12	Copper (Total)	0.99	ug/L	Exova Accutest
1039249	MRY-11-TP1	30-Jun-12	Lead (Total)	0.22	ug/L	Exova Accutest
1039249	MRY-11-TP1	30-Jun-12	Nickel (Total)	0.64	ug/L	Exova Accutest
1039249	MRY-11-TP1	30-Jun-12	Zinc (Total)	<3.0	ug/L	Exova Accutest
1039246	MRY-11-TP2	30-Jun-12	Oil & Grease	no sheen	mg/L	Exova Accutest
1039246	MRY-11-TP2	30-Jun-12	pH	8.00	pH units	Exova Accutest
1039246	MRY-11-TP2	30-Jun-12	Total Suspended Solids	<2	mg/L	Exova Accutest
1039250	MRY-11-TP2	30-Jun-12	Arsenic (Total)	<0.10	ug/L	Exova Accutest
1039250	MRY-11-TP2	30-Jun-12	Copper (Total)	0.76	ug/L	Exova Accutest
1039250	MRY-11-TP2	30-Jun-12	Lead (Total)	0.06	ug/L	Exova Accutest
1039250	MRY-11-TP2	30-Jun-12	Nickel (Total)	0.61	ug/L	Exova Accutest
1039250	MRY-11-TP2	30-Jun-12	Zinc (Total)	<3.0	ug/L	Exova Accutest
1039247	MRY-11-TP3	30-Jun-12	Oil & Grease	no sheen	mg/L	Exova Accutest
1039247	MRY-11-TP3	30-Jun-12	pH	7.9	pH units	Exova Accutest
1039247	MRY-11-TP3	30-Jun-12	Total Suspended Solids	<2	mg/L	Exova Accutest
1039251	MRY-11-TP3	30-Jun-12	Arsenic (Total)	<0.10	ug/L	Exova Accutest
1039251	MRY-11-TP3	30-Jun-12	Copper (Total)	0.67	ug/L	Exova Accutest
1039251	MRY-11-TP3	30-Jun-12	Lead (Total)	0.10	ug/L	Exova Accutest
1039251	MRY-11-TP3	30-Jun-12	Nickel (Total)	<0.50	ug/L	Exova Accutest
1039251	MRY-11-TP3	30-Jun-12	Zinc (Total)	<3.0	ug/L	Exova Accutest
1039248	MRY-11-TP4	30-Jun-12	Oil & Grease	no sheen	mg/L	Exova Accutest
1039248	MRY-11-TP4	30-Jun-12	pH	8.18	pH units	Exova Accutest
1039248	MRY-11-TP4	30-Jun-12	Total Suspended Solids	<2	mg/L	Exova Accutest
1039252	MRY-11-TP4	30-Jun-12	Arsenic (Total)	<0.10	ug/L	Exova Accutest
1039252	MRY-11-TP4	30-Jun-12	Copper (Total)	1.18	ug/L	Exova Accutest
1039252	MRY-11-TP4	30-Jun-12	Lead (Total)	0.15	ug/L	Exova Accutest
1039252	MRY-11-TP4	30-Jun-12	Nickel (Total)	0.91	ug/L	Exova Accutest
1039252	MRY-11-TP4	30-Jun-12	Zinc (Total)	3.1	ug/L	Exova Accutest
*	MRY-13A	18-Jul-12	pH, Laboratory	*	pH units	Exova Accutest
*	MRY-13A	18-Jul-12	Alkalinity, Total as mg CaCO3 equiv.	*	mg/L	Exova Accutest
*	MRY-13A	18-Jul-12	Conductivity in Laboratory	*	uS/cm	Exova Accutest
*	MRY-13A	18-Jul-12	Total Dissolved Solids	*	mg/L	Exova Accutest
*	MRY-13A	18-Jul-12	Total Suspended Solids	*	mg/L	Exova Accutest
*	MRY-13A	18-Jul-12	Oil & Grease - Total	*	mg/L	Exova Accutest
*	MRY-13A	18-Jul-12	Aluminum (Al) Total	*	ug/L	Exova Accutest
*	MRY-13A	18-Jul-12	Antimony (Sb) Total	*	ug/L	Exova Accutest
*	MRY-13A	18-Jul-12	Barium (Ba) Total	*	ug/L	Exova Accutest
*	MRY-13A	18-Jul-12	Cadmium (Cd) Total	*	ug/L	Exova Accutest
*	MRY-13A	18-Jul-12	Chromium (Cr) Total	*	ug/L	Exova Accutest
*	MRY-13A	18-Jul-12	Cobalt (Co) Total	*	ug/L	Exova Accutest
*	MRY-13A	18-Jul-12	Copper (Cu) Total	*	ug/L	Exova Accutest
*	MRY-13A	18-Jul-12	Iron (Fe) Total	*	ug/L	Exova Accutest
*	MRY-13A	18-Jul-12	Lead (Pb) Total	*	ug/L	Exova Accutest
*	MRY-13A	18-Jul-12	Lithium (Li) Total	*	ug/L	Exova Accutest
*	MRY-13A	18-Jul-12	Manganese (Mn) Total	*	ug/L	Exova Accutest
*	MRY-13A	18-Jul-12	Molybdenum (Mo) Total	*	ug/L	Exova Accutest
*	MRY-13A	18-Jul-12	Nickel (Ni) Total	*	ug/L	Exova Accutest
*	MRY-13A	18-Jul-12	Selenium (Se) Total	*	ug/L	Exova Accutest
*	MRY-13A	18-Jul-12	Tin (Sn) Total	*	ug/L	Exova Accutest
*	MRY-13A	18-Jul-12	Strontium (Sr) Total	*	ug/L	Exova Accutest
*	MRY-13A	18-Jul-12	Thallium (Tl) Total	*	ug/L	Exova Accutest
*	MRY-13A	18-Jul-12	Titanium (Ti) Total	*	ug/L	Exova Accutest
*	MRY-13A	18-Jul-12	Uranium (U) Total	*	ug/L	Exova Accutest
*	MRY-13A	18-Jul-12	Vanadium (V) Total	*	ug/L	Exova Accutest
*	MRY-13A	18-Jul-12	Zinc (Zn) Total	*	ug/L	Exova Accutest

*	MRY-13A	18-Jul-12	Arsenic (As) Total	*	ug/L	Exova Accutest
*	MRY-13A	18-Jul-12	Mercury (Hg) Total	*	ug/L	Exova Accutest
*	MRY-13B	18-Jul-12	pH, Laboratory	*	pH units	Exova Accutest
*	MRY-13B	18-Jul-12	Alkalinity, Total as mg CaCO ₃ equiv.	*	mg/L	Exova Accutest
*	MRY-13B	18-Jul-12	Conductivity in Laboratory	*	uS/cm	Exova Accutest
*	MRY-13B	18-Jul-12	Total Dissolved Solids	*	mg/L	Exova Accutest
*	MRY-13B	18-Jul-12	Total Suspended Solids	*	mg/L	Exova Accutest
*	MRY-13B	18-Jul-12	Oil & Grease - Total	*	mg/L	Exova Accutest
*	MRY-13B	18-Jul-12	Aluminum (Al) Total	*	ug/L	Exova Accutest
*	MRY-13B	18-Jul-12	Antimony (Sb) Total	*	ug/L	Exova Accutest
*	MRY-13B	18-Jul-12	Barium (Ba) Total	*	ug/L	Exova Accutest
*	MRY-13B	18-Jul-12	Cadmium (Cd) Total	*	ug/L	Exova Accutest
*	MRY-13B	18-Jul-12	Chromium (Cr) Total	*	ug/L	Exova Accutest
*	MRY-13B	18-Jul-12	Cobalt (Co) Total	*	ug/L	Exova Accutest
*	MRY-13B	18-Jul-12	Copper (Cu) Total	*	ug/L	Exova Accutest
*	MRY-13B	18-Jul-12	Iron (Fe) Total	*	ug/L	Exova Accutest
*	MRY-13B	18-Jul-12	Lead (Pb) Total	*	ug/L	Exova Accutest
*	MRY-13B	18-Jul-12	Lithium (Li) Total	*	ug/L	Exova Accutest
*	MRY-13B	18-Jul-12	Manganese (Mn) Total	*	ug/L	Exova Accutest
*	MRY-13B	18-Jul-12	Molybdenum (Mo) Total	*	ug/L	Exova Accutest
*	MRY-13B	18-Jul-12	Nickel (Ni) Total	*	ug/L	Exova Accutest
*	MRY-13B	18-Jul-12	Selenium (Se) Total	*	ug/L	Exova Accutest
*	MRY-13B	18-Jul-12	Tin (Sn) Total	*	ug/L	Exova Accutest
*	MRY-13B	18-Jul-12	Strontium (Sr) Total	*	ug/L	Exova Accutest
*	MRY-13B	18-Jul-12	Thallium (Tl) Total	*	ug/L	Exova Accutest
*	MRY-13B	18-Jul-12	Titanium (Ti) Total	*	ug/L	Exova Accutest
*	MRY-13B	18-Jul-12	Uranium (U) Total	*	ug/L	Exova Accutest
*	MRY-13B	18-Jul-12	Vanadium (V) Total	*	ug/L	Exova Accutest
*	MRY-13B	18-Jul-12	Zinc (Zn) Total	*	ug/L	Exova Accutest
*	MRY-13B	18-Jul-12	Arsenic (As) Total	*	ug/L	Exova Accutest
*	MRY-13B	18-Jul-12	Mercury (Hg) Total	*	ug/L	Exova Accutest

Notes:

* MRY-13A and MRY-13B -Laboratory results forthcoming

** Parameters exceed water licence criteria, however discharges were not to receiving environment.

Table 3: Flow and Volume Measurements-Part I Item 7 - June 2013

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	Camp Lake Freshwater Use (Trucked to Milne Inlet) - Daily Potable Water (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)	Treated Sewage Effluent (m ³) from WWTF to PWSP at Mary River Camp - MRY-4	Sewage Sludge Removed (m ³) from Mary River WWTP	Sewage Sludge Removed (m ³) from Milne Inlet WWTP	Treated Sewage Effluent (m ³) from PWSP to discharge into Milne Inlet (MRY- 5a)	Treated Sewage Effluent (m ³) from MRY-5 to PWSP1 at Mary River	Treated Sewage Effluent (m ³) from MRY-5 to PWSP at Milne Inlet	Treated Sewage Effluent (m ³) from PWSP to Sheardown Lake (MRY-4a)	Treated Oily Water (m ³) from Mary River Camp Fuel Storage Facility to Tundra (MRY-6)	Treated Oily Water (m ³) from Milne Inlet Camp Fuel Storage Facility to Milne Inlet (MRY-7)
1-Jun	28.8	0.0	16.4	0.0	0.0	28.8	8.0	0.0	0.0	16.4	0.0	0.0	0.0	0.0
2-Jun	0.0	14.4	8.2	0.0	0.0	0.0	0.0	0.0	0.0	8.2	0.0	0.0	0.0	0.0
3-Jun	0.0	8.3	8.2	0.0	0.0	0.0	0.0	0.0	0.0	8.2	0.0	0.0	0.0	0.0
4-Jun	29.9	12.1	0.0	0.0	0.0	29.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-Jun	0.0	17.8	8.2	0.0	0.0	0.0	0.0	0.0	0.0	8.2	0.0	0.0	0.0	0.0
6-Jun	17.8	27.6	16.4	0.0	0.0	17.8	0.0	0.0	0.0	16.4	0.0	0.0	0.0	0.0
7-Jun	0.0	26.9	16.4	0.0	0.0	0.0	0.0	0.0	0.0	16.4	0.0	0.0	0.0	0.0
8-Jun	17.8	17.4	0.0	0.0	8.2	17.8	0.0	0.0	0.0	8.2	0.0	0.0	0.0	0.0
9-Jun	0.0	10.2	0.0	0.0	8.2	0.0	0.0	0.0	0.0	8.2	0.0	0.0	0.0	0.0
10-Jun	0.0	0.0	8.2	0.0	0.0	0.0	0.0	0.0	0.0	8.2	0.0	0.0	0.0	0.0
11-Jun	35.6	14.8	8.2	0.0	0.0	35.6	0.0	0.0	64.1	8.2	0.0	0.0	0.0	0.0
12-Jun	0.0	7.6	8.2	6.4	0.0	0.0	0.0	0.0	52.9	8.2	0.0	326.0	0.0	0.0
13-Jun	24.6	0.0	8.2	0.0	8.2	24.6	0.0	0.0	0.0	16.4	0.0	349.0	0.0	0.0
14-Jun	0.0	7.2	0.0	7.2	24.6	0.0	0.0	0.0	0.0	24.6	0.0	353.0	0.0	0.0
15-Jun	25.4	0.0	0.0	0.0	8.2	25.4	0.0	0.0	0.0	8.2	0.0	368.0	0.0	19.9
16-Jun	16.7	11.4	16.4	4.9	0.0	16.7	0.0	0.0	0.0	16.4	0.0	372.0	0.0	112.6
17-Jun	10.2	17.8	8.2	0.0	0.0	10.2	0.0	0.0	0.0	8.2	0.0	354.0	0.0	89.1
18-Jun	12.5	0.0	8.2	0.0	0.0	12.5	0.0	0.0	0.0	8.2	0.0	322.0	0.0	68.3
19-Jun	14.0	12.9	16.4	0.0	0.0	14.0	0.0	0.0	0.0	16.4	0.0	0.0	0.0	58.4
20-Jun	11.7	0.0	0.0	0.0	16.4	11.7	0.0	0.0	0.0	16.4	0.0	0.0	0.0	57.1
21-Jun	13.2	2.6	0.0	0.0	16.4	13.2	0.0	0.0	128.1	16.4	0.0	0.0	56.0	70.2
22-Jun	0.0	0.0	0.0	3.6	16.4	0.0	0.0	0.0	0.0	16.4	0.0	0.0	56.0	67.2
23-Jun	19.7	0.0	0.0	0.0	16.4	19.7	0.0	0.0	0.0	16.4	0.0	0.0	57.0	84.6
24-Jun	0.0	0.0	0.0	0.0	8.2	0.0	0.0	0.0	0.0	0.0	8.2	0.0	55.0	76.4
25-Jun	26.1	0.0	0.0	0.0	16.4	26.1	0.0	4.0	0.0	0.0	16.4	0.0	55.0	65.4
26-Jun	11.4	0.0	0.0	4.0	16.4	11.4	0.0	0.0	0.0	0.0	16.4	0.0	11.0	72.4
27-Jun	0.0	0.0	0.0	0.0	24.6	0.0	0.0	0.0	0.0	0.0	24.6	0.0	15.0	61.9
28-Jun	26.9	0.0	0.0	0.0	16.4	26.9	0.0	0.0	0.0	0.0	16.4	0.0	27.0	65.9
29-Jun	16.3	0.0	0.0	0.0	16.4	16.3	0.0	0.0	0.0	0.0	16.4	0.0	0.0	72.3
30-Jun	0.0	0.0	0.0	7.6	32.8	0.0	0.0	0.0	0.0	0.0	32.8	0.0	0.0	102.9
Total	358.5	209.0	155.8	33.7	254.2	358.5	8.0	4.0	245.1	278.8	131.2	2444.0	332.0	1144.3

Notes:

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