



19 October 2009

Licencing Coordinator
Nunavut Water Board
P.O. Box 119
Gjoa Haven
NU, X0B1J0

Re: Water Licence 2BB-MEL0914: September 2009 Monthly Report

Dear Ms. Beaulieu;

Please find attached Comaplex's monthly report for September.

Exploration and geotechnical drilling finished September 12 to 16 and the camp was shut for the winter on October 5. Exploration activities are expected to resume April 2010.

As indicated in our August monthly report, meters were installed on the drills and average daily water use as measured was 53 m³/day. This will cause Comaplex to apply for a licence amendment to increase our daily water use limit to 250 m³/day.

We trust this report meets with the Board's satisfaction.

Yours sincerely,

Signed copy to follow by mail

John Witteman
Environmental Consultant to Comaplex

September 2009

Part J: Conditions Applying to the Monitoring Program

(1) Volume of Water

	Volume of water (m3/day)
MEL-1	4.3
MEL-2	159

The quantity of water for MEL-2 is based on the average amount of water used by a drill in a single day multiplied by 3 operating drills. Drilling for the year shut down September 12 to 16. There was no water use for drilling after September 16.

(2) Analytical Data for Greywater Monitoring

	Biochemical Oxygen Demand (mg/L)	Faecal Coliforms (CFU/dL)	Total Suspended Sediments (mg/L)	pH	Oil and Grease (mg/L)
MEL-3	3.2	11	5.0	7.98	2.3
MEL-4	<2.0	1	5.0	7.28	<1

(3) No drilling program was carried out on lake ice over the reporting period.

Addendum to September 2009 monthly report

Attached please find supplemental water quality data collected over the reporting period. This data is collected to gain a better understanding of the effect of the company's activities on the receiving environment.

[illegible]

CCME			0.017				0.001			0.002-0.004		
MMER										0.3		
SampleID	Sample Date	Sample Time	Cadmium (Cd)-Total (mg/L)	Calcium (Ca)-Total (mg/L)	Carbonate (CO3) (mg/L)	Chloride (Cl) (mg/L)	Chromium (Cr)-Total (mg/L)	Cobalt (Co)-Total (mg/L)	Conductivity (EC) (uS/cm)	Copper (Cu)-Total (mg/L)	Hardness (as CaCO3) (mg/L)	Hydroxide (OH) (mg/L)
MEL1	30-Sep-09	09:35	<0.000050	7.62	<5.0	8.31	<0.0050	<0.0020	73.9	0.0011	24.2	<5.0
MEL1A (DUP)	30-Sep-09	10:25	0.000319	7.30	<5.0	8.20	<0.0050	<0.0020	74.2	0.0026	23.3	<5.0
MEL2	30-Sep-09	10:35	0.000205	27.2	<5.0	40.2	<0.0050	<0.0020	231	0.0023	83.4	<5.0
MEL3	30-Sep-09	11:08	<0.000050	68.1	<5.0	142	<0.0050	0.0023	923	0.0014	196	<5.0
MEL4	30-Sep-09	11:02	0.000060	6.57	<5.0	8.49	<0.0050	<0.0020	72.6	0.0015	21.2	<5.0
TAP	30-Sep-09	11:25		6.54	<5.0	8.18			72.9		20.9	<5.0

CCME				0.3	0.001-0.007						0.073	0.025-0.015
MMER					0.2							0.5
SampleID	Sample Date	Sample Time	Ion Balance (%)	Iron (Fe)-Total (mg/L)	Lead (Pb)-Total (mg/L)	Lithium (Li)-Total (mg/L)	Magnesium (Mg)-Total (mg/L)	Manganese (Mn)-Total (mg/L)	Mercury (Hg)-Total (mg/L)	MF - Fecal Coliforms (CFU/100mL)	Molybdenum (Mo)-Total (mg/L)	Nickel (Ni)-Total (mg/L)
MEL1	30-Sep-09	09:35	Low EC	0.042	0.00028	<0.0030	1.26	0.0053	<0.00010	<1	<0.0050	<0.0020
MEL1A (DUP)	30-Sep-09	10:25	Low EC	0.054	0.00177	<0.0030	1.24	0.0049	<0.00010	<1	<0.0050	<0.0020
MEL2	30-Sep-09	10:35	94.5	0.249	0.00043	0.0059	3.77	0.0257	<0.00010		<0.0050	<0.0020
MEL3	30-Sep-09	11:08	94.2	0.247	0.00160	0.0045	6.34	0.242	<0.00010	11	<0.0050	0.0098
MEL4	30-Sep-09	11:02	Low EC	0.142	0.00046	<0.0030	1.16	0.0109	<0.00010	1	<0.0050	<0.0020
TAP	30-Sep-09	11:25	Low EC				1.12			<1		

CCME			2.9		0.006			6.5 - 9.0	0.03			
MMER								6.0 - 9.5				
SampleID	Sample Date	Sample Time	Nitrate (as N) (mg/L)	Nitrate and Nitrite as N (mg/L)	Nitrite (as N) (mg/L)	Oil and Grease (mg/L)	Orthophosphate (PO4-P) (mg/L)	pH (pH)	Phosphorus, Total (mg/L)	Potassium (K)-Total (mg/L)	Selenium (Se)-Total (mg/L)	Silver (Ag)-Total (mg/L)
MEL1	30-Sep-09	09:35	<0.050	<0.071	<0.050	<1.0	<0.010	7.32	<0.020	0.91	<0.00040	<0.00010
MEL1A (DUP)	30-Sep-09	10:25	<0.050	<0.071	<0.050	<1.0	<0.010	7.23	<0.020	0.89	<0.00040	<0.00010
MEL2	30-Sep-09	10:35	<0.050	<0.071	<0.050	1.2	<0.010	7.61	<0.020	1.51	<0.0020	<0.00010
MEL3	30-Sep-09	11:08	0.086	0.086	<0.050	2.3	1.18	7.98	1.34	5.34	<0.0020	<0.00010
MEL4	30-Sep-09	11:02	<0.050	<0.071	<0.050	<1.0	<0.010	7.28	<0.020	0.80	<0.00040	<0.00010
TAP	30-Sep-09	11:25	<0.050	<0.071	<0.050			7.16		0.85		

CCME											29	
MMER											15	
SampleID	Sample Date	Sample Time	Sodium (Na)- Total (mg/L)	Sulfate (SO4) (mg/L)	TDS (Calculated) (mg/L)	Thallium (Tl)- Total (mg/L)	Tin (Sn)- Total (mg/L)	Titanium (Ti)- Total (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Total Organic Carbon (mg/L)	Total Suspended Solids (mg/L)	Uranium (U)- Total (mg/L)
MEL1	30-Sep-09	09:35	4.5	3.69	36.5	<0.00010	<0.050	<0.0010	0.27	3.3	<3.0	<0.00010
MEL1A (DUP)	30-Sep-09	10:25	4.4	3.57	35.7	<0.00010	<0.050	<0.0010	<0.20	3.2	<3.0	<0.00010
MEL2	30-Sep-09	10:35	5.4	5.61	108	<0.00010	<0.050	0.0018	0.55	4.7	7.0	<0.00010
MEL3	30-Sep-09	11:08	98.7	43.5	483	<0.00010	<0.050	0.0044	1.84	23.8	5.0	<0.00010
MEL4	30-Sep-09	11:02	4.4	3.29	34.3	<0.00010	<0.050	0.0046	0.23	3.1	5.0	<0.00010
TAP	30-Sep-09	11:25	4.3	3.59	34.7						<3.0	

CCME				0.03
MMER				0.5
SampleID	Sample Date	Sample Time	Vanadium (V)-Total (mg/L)	Zinc (Zn)-Total (mg/L)
MEL1	30-Sep-09	09:35	<0.0010	0.0039
MEL1A (DUP)	30-Sep-09	10:25	<0.0010	0.0148
MEL2	30-Sep-09	10:35	<0.0010	0.0122
MEL3	30-Sep-09	11:08	0.0016	0.0188
MEL4	30-Sep-09	11:02	<0.0010	0.0061
TAP	30-Sep-09	11:25		