24 October 2010

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

Re: **Water Licence 2BB-MEL0914: Meliadine Gold Project: September 2010 Monthly Report**

Dear Ms. Beaulieu;

Please find attached Agnico-Eagle's monthly report for the month of September 2010 for the Meliadine Gold Project.

Extra care continues to be taken in measuring the field pH and temperature as outlined in the QA/QC Plan. This aspect is important as the field pH and field temperature have a direct bearing on the guideline for ammonia under the CCME fresh water guidelines for aquatic life as shown in the table 1 below. As a result, no samples exceeded the CCME guideline for ammonia.

Table 1. Water quality guideline for total ammonia for the protection of aquatic life (mg·L-1 N)[1]

Temp (°C)	pH							
	6.0	6.5	7.0	7.5	8.0	8.5	9.0	10
0	189	59.9	18.9	6.00	1.91	0.614	0.205	0.034
5	125	39.6	12.5	3.97	1.26	0.412	0.141	0.028
10	83.6	26.6	8.45	2.67	0.853	0.281	0.099	0.024
15	57.2	18.0	5.72	1.82	0.586	0.196	0.073	0.021
20	39.4	12.5	3.95	1.26	0.409	0.140	0.055	0.020
25	27.5	8.69	2.76	0.886	0.290	0.103	0.043	0.018
30	19.4	6.15	1.96	0.629	0.210	0.077	0.035	0.017

[1] The CCME guideline for freshwater aquatic life is normally presented as (mg/L NH^3). The table above has been converted to (mg/L N), this being how nitrogen species are reported in the attached data report.

There continues to be high variability in the trace metals reported. This month chromium, which normally is below detection, is detected in all but one sample and in all cases is above the CCME aquatic guideline. Even the field and trip blanks were above the CCME guideline. Lead has returned to lower concentrations from August with only one sample, Meliadine Lake, being above the guideline. The elevated value was obtained near the water intake for the Meliadine exploration camp while the discharge from the camp to the wetlands is below the guideline. The QA\QC program mentioned last month will be expanded to cover all trace metals. Once this program is complete, the report will be added to the annual report for the licence.

Yours sincerely,

John Witteman
Environmental Consultant to Agnico-Eagle

Cc. Luis Manzo & Stephen Hartman, Kivalliq Inuit Association
Larry Connell, Agnico-Eagle Mines Limited
Stephane Robert, Environmental Superintendent, Meadowbank

Water Licence 2BB-MEL0914 - September 2010

Part J: Conditions Applying to the Monitoring Program

(1) Volume of Water

	Volume of water (m3/day)
MEL-1	8.3
MEL-2	159

The BIODISK and the associated wash car continue to be commissioned with an increased organic load being added daily to the BIODISK. This is being done by opening more flush toilets for use with the result being a higher daily water use.

Three drills were operating over the time period and each drill uses 53 m^3/day.

(2) Analytical Data for Gray water Monitoring

	Biochemical Oxygen Demand (mg/L)	Faecal Coliforms (CFU/dL)	Total Suspended Sediments (mg/L)	pH (field)	Oil and Grease (mg/L)
MEL-3	Note below[1]				
MEL-4	5	Note Below[2]	4	7.45	<1.0 & no sheen

[1] No effluent was collected at Mel 3 as the flow had moved underground.

[2] Faecal Coliform tests are time and temperature sensitive. Samples were not received in the laboratory within the recommended 24 hours and at too high a temperature.

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

(4) Effluent from the BIODISK - MEL-7

	Biochemical Oxygen Demand (mg/L)	Faecal Coliforms (CFU/dL)	Total Suspended Sediments (mg/L)	pH	Oil and Grease (mg/L)
Effluent Limits	80	1000	100	6.0-9.5	5 & no visible sheen
BIODISK Sept.	12	Note below	12	6.64	2

Note: Faecal Coliform tests are time and temperature sensitive. Samples were not received in the laboratory within the recommended 24 hours and at a too high a temperature.

CCME					0.1			0.005	variable	
MMER								0.5		
Sample name:	Sampling date:	pH Field	Temp (°C)	Alkalinity mg CaCO3/L	Aluminium (Al) mg/L	Antimony (Sb) mg/L	Silver (Ag) mg/L	Arsenic (As) mg/L	Ammonia (NH3-NH4) mg N/L	Barium (Ba) mg/L
Control Lake	23-09-2010	7.8	6.5	32	0.008	<0.0001	<0.0005	0.0055	<0.05	0.0071
A8-7	23-09-2010	7.76	6.5	46	0.040	<0.0001	<0.0005	<0.0005	<0.05	0.0164
A8	23-09-2010	7.67	6.7	43	0.002	<0.0001	<0.0005	0.0049	<0.05	0.0160
A-38	23-09-2010	7.58	4.4	97	0.002	<0.0001	<0.0005	0.0114	<0.05	0.0572
DUP-A38	26-08-2010	---	---	97	<0.002	<0.0001	<0.0005	0.0020	<0.05	0.0576
A-54	23-09-2010	7.78	4.1	60	<0.002	0.0001	<0.0005	0.0035	0.13	0.0539
P-1	23-09-2010	7.66	4.2	168	<0.002	<0.0001	<0.0005	0.0012	2.0	0.1260
A-13	23-09-2010	7.69	4.2	55	0.002	<0.0001	<0.0005	<0.0005	<0.05	0.0882
A-15	23-09-2010	7.76	3.4	54	0.008	<0.0001	<0.0005	0.0068	<0.05	0.0805
A-9	23-09-2010	7.68	4.2	83	<0.002	<0.0001	<0.0005	0.0079	<0.05	0.0783
Mel-4	24-09-2010	7.45	6.5	23	<0.002	0.0007	<0.0005	<0.0005	<0.05	0.0058
Mel-1	24-09-2010	7.71	5.4	23	<0.002	<0.0001	<0.0005	0.0024	<0.05	0.0056
ML-R	23-09-2010	7.94	5.4	28	<0.002	<0.0001	<0.0005	0.0008	<0.05	0.0090
Mel-7		6.64								
B2-1	23-09-2010	7.8	6.3	53	0.002	<0.0001	<0.0005	0.0056	0.09	0.0104
B7-6	23-09-2010	7.77	6.2	38	0.061	0.0022	<0.0005	0.0074	<0.05	0.0220
Trip blank	01-01-1900	---	---	6	<0.002	<0.0001	<0.0005	<0.0005	<0.05	<0.0005
Field blank	01-01-1900	---	---	6	<0.002	<0.0001	<0.0005	0.0031	0.06	<0.0005
				CCME guideline for ammonia at P1 is 3.97 based on field pH and Temperature						

CCME			0.017			0.001		0.002-0.004		
MMER								0.3		
Sample name:	Beryllium (Be) mg/L	Boron (B) mg/L	Cadmium (Cd) mg/L	Calcium (Ca) mg/L	Chloride mg/L	Chromium (Cr) mg/L	Conductivity µmhos/cm	Copper (Cu) mg/L	Hardness mg CaCO3/L	Tin (Sn) mg/L
Control Lake	<0.0005	<0.01	0.00017	9.9	9.1	0.0056	88	0.0011	30	<0.001
A8-7	<0.0005	<0.01	0.00015	25.3	33.6	0.0068	177	0.0010	79	<0.001
A8	0.0006	<0.01	0.00014	25.2	33.8	0.0053	195	0.0008	78	<0.001
A-38	<0.0005	<0.01	0.00021	85.5	185	0.0060	629	0.0024	286	<0.001
DUP-A38	<0.0005	<0.01	0.00026	85.7	181	0.0027	662	0.0014	286	<0.001
A-54	<0.0005	<0.01	0.00012	95.8	235	0.0091	727	0.0020	329	<0.001
P-1	0.0010	<0.01	0.00028	172	255	0.0103	898	0.0043	516	<0.001
A-13	<0.0005	<0.01	<0.00008	110	230	0.0064	676	0.0012	343	<0.001
A-15	<0.0005	<0.01	<0.00008	110	223	0.0070	702	0.0011	350	<0.001
A-9	<0.0005	<0.01	0.00033	99.3	175	0.0071	600	0.0020	303	<0.001
Mel-4	<0.0005	<0.01	0.00017	6.4	9.5	0.0030	74	0.0005	20	<0.001
Mel-1	<0.0005	<0.01	0.00016	7.0	9.0	<0.0006	75	0.0005	22	<0.001
ML-R	0.0016	<0.01	<0.00008	8.6	13.8	0.0021	101	0.0006	28	<0.001
Mel-7										
B2-1	<0.0005	<0.01	<0.00008	16.3	11.2	0.0059	123	0.0011	50	<0.001
B7-6	<0.0005	<0.01	0.00017	29.7	44.7	0.0047	211	0.0010	86	<0.001
Trip blank	<0.0005	<0.01	<0.00008	0.16	<0.5	0.0027	2	0.0010	<1	<0.001
Field blank	<0.0005	<0.01	<0.00008	0.06	<0.5	0.0025	2	0.0013	<1	<0.001

CCME	0.3		29				0.073	0.025-0.15	2.9	
MMER			15					0.5		
Sample name:	Iron (Fe) mg/L	Lithium (Li) mg/L	Total Suspended Solids mg/L	Magnesium (Mg) mg/L	Manganese (Mn) mg/L	Mercury (Hg) mg/L	Molybdenum (Mo) mg/L	Nickel (Ni) mg/L	Nitrate (NO3) mg N/L	Kjeldahl nitrogen mg N/L
Control Lake	0.11	<0.1	1	1.3	0.0040	<0.00001	<0.0005	0.0015	0.05	<1
A8-7	0.18	<0.1	2	4.0	0.0098	<0.00001	<0.0005	0.0038	<0.01	<1
A8	0.18	<0.1	1	3.8	0.0106	<0.00001	<0.0005	0.0035	0.14	2
A-38	0.80	<0.1	2	17.8	0.0102	<0.00001	<0.0005	0.0129	0.06	<1
DUP-A38	0.75	<0.1	2	17.7	0.0098	<0.00001	<0.0005	0.0117	0.11	<1
A-54	0.71	<0.1	2	22.0	0.0079	<0.00001	<0.0005	0.0134	0.84	<1
P-1	1.3	<0.1	1	21.2	1.389	<0.00001	<0.0005	0.0368	1.0	2
A-13	1.5	<0.1	<1	16.8	0.0427	<0.00001	<0.0005	0.0139	0.09	<1
A-15	1.8	<0.1	3	18.3	0.0739	<0.00001	<0.0005	0.0152	0.02	<1
A-9	0.81	<0.1	3	13.5	0.0076	<0.00001	<0.0005	0.0129	0.15	<1
Mel-4	0.03	<0.1	4	1.2	0.0028	<0.00001	<0.0005	0.0010	0.02	1
Mel-1	0.05	<0.1	3	1.3	0.0024	<0.00001	<0.0005	0.0014	0.14	1
ML-R	0.07	<0.1	3	1.8	0.0022	<0.00001	<0.0005	0.0014	0.14	1
Mel-7			12							
B2-1	0.19	<0.1	2	2.3	0.0118	<0.00001	<0.0005	0.0024	0.45	3
B7-6	0.26	<0.1	1	3.1	0.0048	<0.00001	<0.0005	0.0042	0.18	<1
Trip blank	<0.01	<0.1	---	<0.02	<0.0005	<0.00001	<0.0005	<0.0005	<0.01	---
Field blank	<0.01	<0.1	---	<0.02	<0.0005	<0.00001	<0.0005	<0.0005	<0.01	---

CCME	0.06	0.03	6.5 - 9.0	6.5 - 9.0	0.001-0.007					
MMER			6.0 - 9.5	6.0 - 9.5	0.2					
Sample name:	Nitrite (NO2) mg N/L	Ortho-Phosphate (O-PO4) mg P/L	pH (lab)	pH (field)	Lead (Pb) mg/L	Potassium (K) mg/L	Selenium (Se) mg/L	Sodium (Na) mg/L	Dissolved Solids mg/L	Strontium (Sr) mg/L
Control Lake	<0.01	<0.01	7.25	7.8	<0.0003	1.6	<0.001	5.4	59	<0.05
A8-7	<0.01	<0.01	7.53	7.76	<0.0003	2.1	<0.001	5.7	118	0.15
A8	<0.01	<0.01	7.42	7.67	0.0027	2.2	<0.001	5.5	130	0.15
A-38	<0.01	<0.01	7.87	7.58	0.0014	9.3	<0.001	39.6	419	0.73
DUP-A38	<0.01	<0.01		---	<0.0003	8.8	<0.001	39.7	441	0.72
A-54	0.01	<0.01	7.72	7.78	0.0019	11.6	<0.001	52.5	485	0.85
P-1	0.05	<0.01	7.3	7.66	<0.0003	11.1	<0.001	32.7	599	0.95
A-13	<0.01	<0.01	7.61	7.69	0.0033	5.0	0.006	15.6	450	0.83
A-15	0.01	<0.01	7.48	7.76	0.0008	5.1	0.010	13.6	468	0.78
A-9	<0.01	<0.01	7.9	7.68	<0.0003	5.1	0.006	16.0	400	0.82
Mel-4	<0.01	<0.01	7.05	7.45	0.0010	1.0	<0.001	5.0	49	<0.05
Mel-1	<0.01	<0.01	7.04	7.71	0.0226	1.1	<0.001	4.8	50	<0.05
ML-R	<0.01	<0.01	7.14	7.94	0.0003	1.6	<0.001	7.8	67	<0.05
Mel-7			6.73	6.64						
B2-1	<0.01	<0.01	7.46	7.8	<0.0003	1.7	<0.001	6.2	82	0.07
B7-6	<0.01	<0.01	7.39	7.77	<0.0003	2.2	<0.001	4.4	141	0.22
Trip blank	<0.01	<0.01		---	0.0014	0.17	<0.001	<0.05	1	<0.05
Field blank	<0.01	<0.01		---	<0.0003	0.11	<0.001	<0.05	1	<0.05

CCME							0.03			
MMER							0.5			
Sample name:	Sulfate (SO4) mg SO4/L	Temperature C	Titanium (Ti) mg/L	Turbidity NTU	Uranium (U) mg/L	Vanadium (V) mg/L	Zinc (Zn) mg/L	Bicarbonate (HCO3) mg CaCO3/L	Carbonate (CO3) (mg/L)	Hydroxide mg CaCO3/L
Control Lake	3	6.5	<0.01	0.39	<0.001	<0.0005	0.005	32	<2	<2
A8-7	4	6.5	<0.01	0.34	<0.001	<0.0005	0.009	46	<2	<2
A8	3	6.7	<0.01	0.36	<0.001	<0.0005	0.006	43	<2	<2
A-38	35	4.4	0.04	0.69	<0.001	<0.0005	0.005	97	<2	<2
DUP-A38	27	---	0.04	0.77	<0.001	<0.0005	<0.001	97	<2	<2
A-54	60	4.1	0.05	0.39	<0.001	<0.0005	0.011	60	<2	<2
P-1	68	4.2	0.10	0.24	0.001	<0.0005	0.015	168	<2	<2
A-13	20	4.2	0.05	5.0	<0.001	<0.0005	0.022	55	<2	<2
A-15	25	3.4	0.05	1.7	<0.001	<0.0005	0.011	54	<2	<2
A-9	10	4.2	0.04	0.73	<0.001	<0.0005	0.010	83	<2	<2
Mel-4	4	6.5	<0.01	0.31	<0.001	<0.0005	<0.001	23	<2	<2
Mel-1	<1	5.4	<0.01	0.29	<0.001	<0.0005	0.002	23	<2	<2
ML-R	2	5.4	<0.01	0.56	<0.001	<0.0005	0.004	28	<2	<2
Mel-7										
B2-1	11	6.3	<0.01	0.45	<0.001	<0.0005	0.005	53	<2	<2
B7-6	4	6.2	0.01	0.42	<0.001	<0.0005	0.010	38	<2	<2
Trip blank	<1	---	<0.01	0.18	<0.001	<0.0005	<0.001	6	<2	<2
Field blank	<1	---	<0.01	0.14	<0.001	<0.0005	0.003	6	<2	<2

CCME			
MMER			
Sample name:	Total oil and grease mg/L	BOD5	Faecal Coliforms (colonies/dL)
Control Lake	---	---	
A8-7	---	---	
A8	---	---	
A-38	---	---	
DUP-A38	---	---	
A-54	---	---	
P-1	---	---	
A-13	---	---	
A-15	---	---	
A-9	---	---	
Mel-4	<1	5	Note
Mel-1	---	---	
ML-R	---	---	
Mel-7	2	22	Note
B2-1	---	---	
B7-6	---	---	
Trip blank	---	---	
Field blank	---	---	
	Note: Faecal Coliforms are time and temperature sensitive. The samples arrived in the laboratory well past the recommended 24 hours and at an elevated temperature.		