AGNICO-EAGLE
MEADOWBANK DIVISION

February 25, 2010

Via Email and Xpresspost

Mr. Richard Dwyer
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Nunavut Water Board
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Dear Mr. Dwyer,

Re: Water License 2AM-MEA0815 January Monitoring Program Summary Report

As required by Water license 2AM-MEA0815 Part I Item 25, please find the January 2010 Monitoring Program Summary Report enclosed.

Should you have any questions regarding this submission, please contact me directly at 819-763-0229 or via email at stephane.robert@agnico-eagle.com.

Regards,

Stéphane Robert
Environment Superintendent

Encl (1)

cc: *Lou-Ann Cornacchio, Indian and Northern Affairs Canada*
David Abernethy, Indian and Northern Affairs Canada
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AGNICO-EAGLE

MEADOWBANK GOLD PROJECT

Monitoring Program Summary Report

January 2010

Type A Water License 2AM-MEA0815

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SECTION 1 • BACKGROUND

As required under Part I, Item 25 of Type A Water License 2AM-MEA0815, this report documents the water management, monitoring activity and analytical monitoring at the mine site for the month of January 2010.

It should be noted that the Meadowbank Project is in the construction phase and is not scheduled to commence operations until February 2010. Consequently many of the license specified reporting locations or requirements are associated with facilities that are not yet constructed and thus reporting cannot be fully initiated until these facilities are constructed and commissioned.

The dewatering of the northwest arm of Second Portage Lake continued during January. During this phase of construction no other water has been pumped, discharged or transferred, rather all site contact run-off are contained and directed to the Stormwater Management Pond (Tear Drop Attenuation Pond). The monitoring points covered by this monthly report will expand as the facilities are constructed. Additionally, for the NWB to review, Section 3 summarizes the AEM internal spill reporting for January.

SECTION 2 • WATER MANAGEMENT

2.1 WATER USAGE

Under Water License 2AM-MEA0815, the total water consumption limit is 700,000 m^3/year or 58,333 m^3/month for the batch plant, domestic and milling water use. During January, the daily average number of people on site was 474. The total consumption of water for the camp, the batch plant and the mine site was 4,039 m^3 for the month, an average of 130 m^3 per day.

Table 2.1: January 2010 Water Usage

	Water Usage (m^3)
Batch Plant	61
Water Treatment Plant	2,430
Mill	1,548
Water for dust control	0
Total for the site	**4,039**

2.2 SEWAGE TREATMENT PLANT MONITORING

At the sewage treatment plant (STP), two systems are now in operation (the Seprotech L333 and the two Little John LJ100s). Four water samples were taken at the effluent. The performance of the two systems improved in January. The action plan is ongoing to improve the performance of the system (audit, staff training, etc).

Table 2.2: January 2010 STP Effluent Results

Parameter	**1/4/2010**	**1/11/2010**	**1/18/2010**	**1/27/2010**
NH3-NH4 (mg/L)	14.4	24.0	38.0	34.4
BOD-5 (mg/L)	5	6	14	14
COD (mg/L)	55	90	89	75
TSS (mg/L)	19	44	17	19
NO2-NO3 (mg N/L)	34.8	43.4	63.8	59.4
pH	4.45	5.57	6.31	6.09
P tot (mg P/L)	18.2	17.2	17.7	18.2
Fecal Coliform (UFC/100mL)	560	460	16	12
Total Coliform (UFC/100mL)	720	3,100	600	<100
Atypical Colony (UFC/100mL)	30	9,300	4,800	6,100

2.3 DEWATERING OF SECOND PORTAGE ARM

The dewatering of the northwest arm of Second Portage Lake continued through January. 673,365 m^3 of water was discharged during the month. The Total Suspended Solids (TSS) and turbidity values at the outlet of TSS Water Treatment Plants (WTP) 1 and 2 are as follows, and show that the limits of the License were respected:

- TSS 30 days mean: 5.4 mg/L (limit 15 mg/L)
- NTU 30 days mean: 3.6 NTU (limit 15 NTU)

Tables 2.3 and 2.4 summarize the January monitoring results.

Table 2.3: January 2010 Dewatering Monitoring – TSS and turbidity

Date	DD-WTP-01(Out)		DD-WTP-02(Out)			Both WTP Outlets			
	24-hour Mean	Lab TSS	24-hour Mean	Lab TSS		NTU 24-hour Mean	TSS 24-hour Mean	NTU 30-day Mean	TSS 30-day Mean
	NTU	mg/L	NTU	mg/L			mg/L		mg/L
2010-01-01	1.77	7	7.36	12		4.57	9.50	4.47	9.65
2010-01-02	2.31	7	3.23	3		2.77	5.00	4.43	9.31
2010-01-03	3.19	14	3.65	2		3.42	8.00	4.46	9.09
2010-01-04	3.10	3	2.87	1		2.99	2.00	4.41	8.84
2010-01-05	-	-	1.95	1		1.95	1.00	4.41	8.61
2010-01-06	-	-	5.12	2		5.12	2.00	4.45	8.44
2010-01-07	-	-	4.22	2		4.22	2.00	4.47	8.31
2010-01-08	-	-	3.42	8		3.42	8.00	4.48	8.23
2010-01-09	2.77	3	3.04	3		2.91	3.00	4.45	7.89
2010-01-10	-	-	4.02	8		4.02	8.00	4.49	7.70
2010-01-11	-	-	3.21	5		3.21	5.00	4.48	6.33
2010-01-12	-	-	3.06	4		3.06	4.00	4.48	5.69
2010-01-13	-	-	4.00	8		4.00	8.00	4.51	5.36
2010-01-14	-	-	3.06	2		3.06	2.00	4.43	5.00
2010-01-15	3.11	2	3.71	3		3.41	2.50	4.28	4.76
2010-01-16	3.22	4	3.05	4		3.14	4.00	4.21	4.78
2010-01-17	4.38	4	3.04	3		3.71	3.50	4.07	4.67
2010-01-18	-	-	-	-					
2010-01-19	3.11	3	3.21	3		3.16	3.00	4.00	4.47
2010-01-20	3.100	3	2.470	4		2.79	3.50	3.91	4.47
2010-01-21	2.62	7	2.75	6		2.69	6.50	3.84	4.64
2010-01-22	3.59	8	2.78	7		3.19	7.50	3.74	4.85
2010-01-23	3.80	5	5.59	9		4.70	7.00	3.70	4.72
2010-01-24	5.71	6	3.25	5		4.48	5.50	3.65	4.87
2010-01-25	3.55	9	3.10	6		3.33	7.50	3.59	4.62
2010-01-26	5.20	5	4.61	6		4.91	5.50	3.58	4.74
2010-01-27	4.13	8	5.20	7		4.67	7.50	3.58	5.00

2010-01-28	3.98	12	2.50	10		3.24	11.00	3.57	5.24
2010-01-29	3.59	8	2.98	6		3.29	7	3.52	5.35
2010-01-30	3.25	3	3.78	3		3.52	3	3.55	5.39
2010-01-31	-	-	-	-					

Table 2.4: January 2010 Dewatering Monitoring – pH and Al

Date	DD-WTP-01(Out)		DD-WTP-02(Out)			Both WTP Outlets	
	pH	Total Al	pH	Total Al		pH 24-hour Mean	Al 24-hour Mean
	units	mg/L	units	mg/L		units	mg/L
1/4/2010	-	0.464	-	0.323			0.394
1/11/2010	-	-	-	0.202			0.202
1/19/2010	7.05	0.433	7.07	0.472		7.06	0.453
1/27/2010	7.27	0.735	7.26	0.721		7.27	0.728

SECTION 3 • SPILL MANAGEMENT SUMMARY

During the construction phase AEM is developing a system of tracking spills on-site. Table 3.1 summarizes the AEM internal spill reports for January.

Table 3.1: Summary of January 2010 AEM Internal Spill Reports

Date of Spill	Hazardous Material (Fuel, Oil, etc.)	Quantity	Location	Cause of Spill	Clean-up Action Taken	Reported to Spill Hotline
2010-01-15	Hydraulic oil	2 L	Dewatering pumps	Leak on cylinder	Absorbent pad placed underneath and material brought to hazmat area.	N
2010-01-20	Antifreeze	4	Goose Island Shore	Hose was cut with a shovel	Removed contaminated snow and brought it to the contaminated snow cell.	N
2010-01-23	Hydraulic oil	20 L or less	Near primary crusher	Hose broke on the Hyster container	Material collected with John Deere loader and taken to Quarry 22.	N
2010-01-27	Oil	35 L	North Portage Pit Pattern 5140136	Broken engine	Absorbent pad placed under engine. Contaminated soil taken to Quarry 22 and absorbent pad taken to hazmat area.	N
2010-01-24	Hydraulic oil	200 L	North Portage Pit	Busted hose	Absorbent pads were placed to catch dripping hose and then taken to the hazmat area. Contaminated soil was taken to Quarry 22.	Y
2010-01-16	Diesel fuel	1,177 L	AWR between Emulsion Plant and Mine	Blizzard and poor road conditions, tanker slipped off the road and rolled onto its side	Sealed hatches. Placed absorbent and bucket at the leaking release valve. Built a berm in case of a rupture of the tanker and pumped fuel into another tanker. Contaminated snow placed in contaminated snow cell and contaminated soil placed in Quarry 22.	Y

2010-01-27	Engine oil	8 L	North Portage Pit Pattern 5140138	Engine busted	Contaminated absorbent pads were disposed of at the hazmat area.	N
2010-01-30	Hydraulic oil	12 L	Overhead door "B" - Mill building	Hose broke due to extreme cold	Spill was contained. Contaminated soil was cleaned up and placed in designated waste disposal area.	N