

Appendix G9

Report: *2013 Groundwater Monitoring Report*



MEADOWBANK GOLD MINE

2013 Groundwater Monitoring Report

In Accordance with
NWB Water License 2AM-MEA0815
and
NIRB Project Certificate No.004

Prepared by:
Agnico Eagle Mines Limited – Meadowbank Division

January 2014

EXECUTIVE SUMMARY

The 2013 groundwater monitoring program at Meadowbank was conducted in support of the Groundwater Monitoring Plan (AEM, 2014). The objectives of this program are to monitor the salinity of deep groundwater in order to update site water quality predictions and to document any effects of mining on groundwater quality, particularly with respect to tailings deposition.

In 2013, two monitoring wells were sampled (MW 08-02 and 08-03). Attempts to clear the available third well (MW 11-02) which was blocked with development material in 2012 were again unsuccessful. This well will be replaced in 2014.

To obtain a sample from MW 08-03, AEM applied a saline solution in attempts to thaw an ice bridge that has blocked this well below the heat trace cables since it was installed. Although this is a common practice, and despite repeated purging over time, remnants of the sodium chloride solution could not be fully removed prior to sampling. This occurred previously during development of MW 11-01 when the sample chloride concentration was >10,000 mg/L as a result of drilling brine. However, concentrations of dissolved metals in the sample obtained from MW 08-03 are comparable to historical results and are still useful to assess mine impacts to groundwater.

As per recommendations in the 2012 Groundwater Monitoring Report (Golder, 2012), attempts were made to augment the program by sampling production drill holes in Portage Pit, and pit wall seeps in Goose Island Pit. An insufficient flow of groundwater was encountered during production drilling to obtain viable samples, but seep sampling was successful.

Concentrations of all parameters measured in 2013 are provided in this report, along with a year-over-year comparison of salinity-related results that are relevant to the site water quality model. All historical results are provided in Appendix A.

Overall, concentrations of salinity-related parameters in samples collected in uncontaminated wells and pit wall seeps in 2013 are within the range of those observed historically in similar locations on the mine site. In addition, concentrations of parameters of concern that would indicate mining impacts to groundwater (i.e. cyanide, copper) were well below NWB license limits for discharge to surface water, and similar to historical results, indicating no measureable movement of tailings into groundwater.

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SECTION 1 • INTRODUCTION

Parts of Goose and Portage Pits at the Meadowbank mine site are being developed in a through talik (unfrozen ground that extends to the base of the permafrost) underneath Second and Third Portage Lakes. The tailings storage facility (TSF) located in the former basin of the northwest arm of Second Portage Lake is also believed to be situated over a through talik. As a result, groundwater monitoring wells have been installed to provide information on groundwater quality in these taliks prior to and during mine operation.

1.1 OBJECTIVE

This document provides a summary of the 2013 groundwater monitoring program carried out at the Meadowbank mine site. This monitoring program is conducted in support of the Groundwater Monitoring Plan (AEM, 2012). The objectives of this program are:

- To monitor the salinity and quality of the deep groundwater to validate the pit groundwater inflow component of the site water quality model; and
- To benchmark pre-mining and pre-tailing deposition groundwater quality against which to measure effects of mining on groundwater quality, if any.

1.2 MONITORING LOCATIONS

Groundwater flow and quality data has been collected from the Portage area since 2003, and has been used to validate water quality model results. Groundwater in the Vault area is not monitored because the talik present under Vault Lake is not anticipated to extend through the permafrost to the deep aquifer.

Four monitoring wells were installed at Meadowbank in 2003. Three of these wells (MW-03-02, MW-03-03 and MW-03-04) were damaged by frost action between 2004 and 2006. The fourth (MW-03-01) was operable until 2010 when it was also damaged by frost action. Three defective wells were replaced in 2006 (MW-06-05, MW-06-06 and MW-06-07) but were again damaged by frost action. Two were replaced in 2008 with a more robust design (MW-08-02 and MW-08-03). Well MW-11-01 was installed adjacent to the Goose Island pit location to replace MW-03-01, and well MW-11-02 was installed at the tailings storage facility to replace MW-06-07, to monitor shallow groundwater below the basin where tailings will be deposited. Well MW-11-01 was decommissioned in 2012 after being damaged during site operations. Well MW-11-02 became obstructed with development materials during the 2012 groundwater monitoring program and therefore could not be sampled in 2012. Attempts were made in 2013 to remove the material, but these were unsuccessful. This well will be replaced in 2014. Well MW-08-03 is blocked with an ice bridge, and attempts to unblock it since 2010 have been unsuccessful. However, advancements were made in 2013 and a sample was taken that is expected to be representative of some parameters (see Section 2.1.2).

As recommended in the 2012 monitoring report (Golder, 2012), a pit wall seep was added to the sampling program in 2013 to augment the monitoring data, and attempts were made to sample from production drill holes. While seep sampling was successful, production drill holes could not be effectively sampled since groundwater inflow was minimal and impacted from freshwater sources used in the drilling process.

Overall in 2013, samples were collected at monitoring wells MW-08-02 and MW-08-03, and pit wall seep ST-GW-1s. These sampling locations are described below, and are shown in Figure 1.

Figure 1. Groundwater monitoring stations



Table 1. UTM coordinates for the Meadowbank groundwater monitoring locations

Monitoring Location	Type	Easting	Northing
MW-08-02	Well	0639185	7213901
MW-08-03	Well	0639282	7214483
ST-GW-1s	Pit wall seep	0638759	7212359

SECTION 2 • METHODS

Prior to sampling, each monitoring well was thawed by energizing previously installed heating cables. Once completely thawed, each well was purged to remove melt water from the casing, which is not representative of formation water. A minimum of three well volumes are removed and field-indicator parameters (conductivity, temperature, pH) should stabilize to within 10% prior to sample collection. In practice, well sampling at Meadowbank has proven to be difficult due to frequent formation of ice bridges. The specific measures used to obtain samples from monitoring wells, drill holes and pit wall seeps are described below for each monitoring station. Measurements obtained during well development are included in Appendix B.

2.1.1 MW-08-02

The heating cables for MW-08-02 were energized on August 18, 2013 by AEM personnel. By August 22 the ice had not melted, so the system was checked by a site electrician, and appeared to be functioning normally. Hot water was added on August 25 in attempts to melt the ice. This measure was successful, and the ice bridge that appeared to have been formed between approximately 27 and 100 m was melted. Purging began on August 25, and continued to August 28. A total of 695 litres was purged prior to sampling, at which point the water level was 108 m. To obtain a sample on August 28, a nitrogen-operated Solinst stainless steel Double Valve Pump (DVP) attached to ¼-inch low density polyethylene (LDPE) tubing was lowered to approximately 130 m. The pump was controlled by a Solinst Model 466 Electronic Pump Control Unit set at a sampling rate of approximately 100 mL/min. Samples for dissolved metals and Cn were obtained by this method. Samples for all other parameters were obtained on August 29 using Waterra tubing equipped with a footvalve.

2.1.2 MW-08-03

This monitoring well has been blocked by ice since 2010. The heating cables were energized on August 18, 2013 by AEM personnel. The ice melted to a depth of ~150 m, coinciding with the end of the heating cables. On August 24, hot water was added and purged four times to remove the remaining ice bridge. These attempts lowered the ice level by approximately 4 m, and parameters indicated the well was filling with melt water rather than groundwater. On August 25, 155 lbs of sodium chloride in 400 litres of water (saline solution) was added, and on August 27 hot water was again circulated in the well. Purging continued until September 13, when the ice level was found to have risen (127 m) and the well was dry for three days. On September 15, more hot water was added and purged three times, and on September 17 attempts were made with a steamer to melt the ice. An ice level of 162 m was achieved, and after purging 5 liters per day until September 23, the well was sampled. Although the deep aquifer was not reached and salt concentrations were high, results for other parameters (dissolved metals) are representative.

2.1.3 Production Drill Holes

Several attempts were made to obtain representative samples from production drill holes in August, September and October. However, this method was not successful in obtaining viable groundwater samples, mainly due to a lack of groundwater inflow. AEM will pursue this program again in 2014.

2.1.4 ST-GW-1s

A seep in the wall of the Goose Island pit was sampled (directly from the seep waterfall) on October 23, 2013 to provide further indication of the chemistry of groundwater entering this pit. The estimated depth below ground surface of this sample is 5066 m (or 67 masl).

SECTION 3 • REGULATORY GUIDELINES

No regulatory limits apply to groundwater quality in this monitoring program. For illustrative purposes, results are compared to limits established in the NWB Water License for discharge of effluent to Third Portage Lake. While groundwater is not currently being discharged in this manner, this comparison provides a conservative estimate of any potential for effects on biota, since the pit area will eventually be returned to aquatic habitat.

SECTION 4 • QUALITY ASSURANCE / QUALITY CONTROL

Guideline procedures provided by the USEPA (2002) were followed during the sampling program to ensure that the samples collected from the wells were representative of water flowing through the targeted rock formations. These procedures included the following:

- Measurement of field parameters at selected intervals until stable readings (within 10% of each other) were acquired;
- Minimizing the exposure of the sampled water to the atmosphere;
- Using compressed, inert gas (nitrogen) to lift water from the well for sampling to avoid changing the redox properties of the formation water;
- Conducting in-situ measurements of sensitive chemical parameters (temperature, pH, conductivity);
- Keeping the samples refrigerated from the time of collection until shipment to the laboratory; and,
- Shipping the samples to the laboratory in temperature-regulated coolers within the specified sample holding times (24 h).

In addition, a duplicate sample was taken for one location and submitted as a blind duplicate to the laboratory. Where both results were higher than five times the method detection limit (MDL), the relative percent difference (RPD) was calculated as:

$$\text{RPD} = \text{absolute difference in concentration} / \text{average concentration} \times 100$$

USEPA (1994) indicates that an RPD of 20% or less is acceptable. Where one or both results are less than five times the MDL, a margin of +/- MDL is acceptable.

SECTION 5 • RESULTS

5.1 GROUNDWATER CHEMISTRY

Results of the groundwater analyses for 2013 are shown in Table 2. NWB Water License grab sample limits are provided for context, and results above these values are highlighted in *italics*.

The measured chloride concentration (2427 mg/L) at MW-08-03 was likely elevated as a result of salt water additions in efforts to melt the ice bridge in this well, and do not reflect actual groundwater concentrations. Substantially elevated chloride values have been observed previously after salt additions; when MW11-01 was installed in 2011, concentrations were >10,000 mg/L, and it was suspected this could be due to left over drilling brine, despite significant purging.

Concentrations of cyanide and dissolved copper were assessed to track any potential movement of tailings into groundwater, since these parameters are elevated in reclaim water in the TSF. In 2013, average total cyanide and dissolved copper concentrations in reclaim water samples were 11.3 and 7.2 mg/L, respectively (ST-21; see 2013 Water Quality and Flow Monitoring Report). Concentrations of these parameters in monitoring well samples (see Table 2) are well below NWB license limits for discharge to surface water (1 and 0.2 mg/L, respectively), and similar to historical results (see Appendix A), indicating no measureable movement of water from the TSF into groundwater. All measured concentrations of other dissolved metals were also below NWB license limits for discharge to surface water.

Table 2. Results of groundwater monitoring for all stations in 2013

Parameter	Units	NWB Grab Limit	MW-08-02	MW-08-03	ST-GW-1s
Alkalinity	mg CaCO ₃ /L	-	105	44	103
Chloride	mg/L	2000	126	<i>2427³</i>	16.9
Total Cyanide	mg/L	1	0.009	0.005	<0.005
Free Cyanide ¹	mg/L			<1	
Hardness	mg CaCO ₃ /L	-	324	2571	121
Fluoride	mg/L	-	0.36	0.11	1.1
NH ₃ -NH ₄	mg N/L	-	-	-	0.02
Nitrate	mg N/L	40	0.22	0.3	0.54
Nitrite	mg N/L	-	0.06	0.35	<0.01
pH		6 - 9	7.57	6.59	-
Dissolved Solids	mg/L	-	399	<i>2408³</i>	203
Sulphate	mg SO ₄ /L	-	5.8	3.4	14.6
Turbidity	NTU	-	59.1	11.4	-

Parameter	Units	NWB Grab Limit	MW-08-02	MW-08-03	ST-GW-1s
Dissolved Metals:					
Aluminum	mg/L	1	0.707	<0.006	0.053
Silver	mg/L	-	<0.0001	<0.0001	<0.0001
Arsenic	mg/L	0.6 ²	<0.0005	0.034	0.0053
Barium	mg/L	-	0.0418	0.0579	0.0419
Cadmium	mg/L	0.004 ²	0.00004	0.0007	0.00003
Copper	mg/L	0.2 ²	0.033	0.0287	<0.0005
Iron	mg/L	-	0.02	<0.01	<0.01
Mercury	mg/L	0.0008 ²	<0.0001	<0.0001	<0.0001
Molybdenum	mg/L	-	0.0186	0.0213	0.0165
Nickel	mg/L	0.4 ²	0.0054	0.0563	0.0317
Lead	mg/L	0.2 ²	0.0011	<0.0003	0.0051
Selenium	mg/L	-	0.006	0.137	0.001
Thallium	mg/L	-	-	<0.005	<0.005
Zinc	mg/L	0.8 ²	0.018	0.513	0.002

¹ Laboratory not accredited for this parameter

² Limit for total metal

³ Affected by saline solution

5.2 SALINITY RESULTS

Concentrations of total dissolved solids, chloride and conductivity values since monitoring began in 2003 are shown in Table 3. MW-08-02 is the only station that was sampled in previous years, and 2013 results are consistent with past values. Values were elevated at MW-08-03 compared to other stations, due to the addition of salt water to this well as discussed previously, but results for seep sample ST-GW-1s were in the range of or lower than those observed elsewhere.

Table 3. Concentrations of total dissolved solids (TDS), chloride and conductivity for 2003 – present

Location	Name	Lithology	Year	TDS ¹ (mg/L)	Conductivity (µS/cm)	Chloride (mg/L)
Goose Island	MW-03-01	Ultramafic	2003	793	1855	626
			2004	1335	2900	845
			2006	315*	460*	81*
			2007	389	588	126
			2008	1100	3200	950
			2009	1900*	3350*	970*
			2010	340	335*	5.7
	MW-11-01	Int Volcanic	2011	14840 ²	3999	10271 ²
	ST-GW-1s	Iron Formation/Int Volcanic	2013	203	-	16.9
Second Portage	MW-08-02	Int Volcanic	2008	510*	808*	160
			2009	520*	705*	160*
			2010	450	690*	160
			2011	523	782*	169
			2012	307**	616*	111
			2013	399	842	126
	MW-08-03	Int Volcanic	2013	2408	644	2427
Second Portage – Northwest arm	BH-10-01	Int Volcanic	2010	670*	935*	17
	MW-11-02	Int Volcanic	2011	263	400*	20.9

¹ Laboratory measurement except for in 2011 which reported values as dissolved solids

² Affected by installation brine solution

*Average value

**TDS value calculated from laboratory measured values of dissolved constituents

Italic – field measured value

5.3 QA/QC

Relative percent difference (RPD) values calculated from the duplicated pair of results are provided in Table 4. Only turbidity had an RPD higher than 20% (35%).

Table 4. Relative percent difference values or +/- MDL values (*) for duplicated samples in 2013

Parameter	Units	MW-08-02	MW-08-02 DUP	RPD (%)
Alkalinity	mg CaCO ₃ /L	105	105	0
Chloride	mg/L	126	127	0.8
Total Cyanide	mg/L	0.009	<0.005	<0.005*
Hardness	mg CaCO ₃ /L	324	310	4.4
Fluoride	mg/L	0.36	0.37	2.7
Nitrate	mg N/L	0.22	0.26	16.7
Nitrite	mg N/L	0.06	0.06	0
pH	-	7.57	7.64	0.9
Dissolved Solids	mg/L	399	423	5.8
Sulphate	mg SO ₄ /L	5.8	6	3.4
Turbidity	NTU	59.1	41.5	35.0

SECTION 6 • CONCLUSIONS

Currently, one monitoring well on the Meadowbank site is able to provide samples at the intended depth (MW-08-02). One other well can be sampled at a similar depth with considerable effort to melt a portion of the ice bridge (MW-08-03). Efforts will continue in 2014 to remove this blockage with steam, rather than saline, since the use of this solution impacted sample results in 2013 despite significant purging (although not to the degree observed at MW-11-01 in 2010). The addition of the saline solution to thaw monitoring wells is a common practice that is not expected to adversely impact area groundwater, but results will be compared to 2014 results to verify this. The remaining well (MW-11-02) is not able to be sampled, because purging material is lodged in the well. This well will be replaced in 2014.

The collection of samples from production drill holes was not successful in 2013 but AEM is of the opinion that this program is still feasible and will pursue sampling opportunities in 2014 (as recommended in Golder, 2012). The collection of one sample from a pit wall seep was successful in 2013 and AEM will continue to sample from this location (as long as seepage is present) and sample any additional seeps observed in 2014.

Overall, concentrations of salinity-related parameters in samples collected from wells without salt water (MW-08-02 and pit wall seep) in 2013 were within the range of those observed historically in similar monitoring well locations on the mine site. Parameters indicative of tailings movement into groundwater (total cyanide and dissolved copper) were well below NWB license limits, and were similar to historical results, indicating no measureable movement of water from the TSF into groundwater.

SECTION 7 • ACTIONS FOR 2014

- AEM will replace MW 11-02 in a similar location downstream from the Tailings Storage Facility within the inferred groundwater flow path;
- AEM will increase efforts to unthaw the ice bridge in MW 08-03 using a refined steam process commencing in July rather than August (earlier);
- AEM will continue to pursue opportunities for sampling groundwater from production wells – it is predicted that with increasing pit depth increased groundwater should be encountered; and
- AEM will also continue to sample any groundwater seeps noted from pit walls in Goose and Portage pits.

SECTION 8 • REFERENCES

Agnico Eagle Mines Ltd. (2012) Meadowbank Gold Project - Groundwater Monitoring Plan. January, 2012.

USEPA, 2002. USEPA Guidance on Choosing a Sampling Design for Environmental Data Collection. Office of Environmental Information, U.S. Environmental Protection Agency, Washington, DC, December 2002.

APPENDIX A

Summary of Historical Results

January 2014

Groundwater Quality Results
Agnico-Eagle Mines Ltd
Meadowbank Division

Laboratory sample number Sampling date QA/QC	Units	Portage Attenuation Pond Effluent Limits Maximum Average Conc.	Intermediate Volcaniclastic		Method Detection Limit	Ultramafic Rock					
			Goose Island			Goose Island					
			MW11-01			MW03-01					
			15979 29-Sep-11	15980 29-Sep-11 FD		29-Sep-11	9755-2 07-Sep-03	9755-3 07-Sep-03 FD	9044-01 Aug-7-04	12393-01 Aug-8-06	12393-02 Aug-8-06 FD
FIELD-MEASURED PARAMETERS											
pH	s.u.	6.0-9.0	10.30	-		7.36	7.36	8.03	7.93	-	7.58
Conductivity	uS/cm		3999	-		1855	1855	2500	382	-	538
Alkalinity (mg/L as CaCO3)			-	-		19 - 22	19 - 22	27	33.9	-	48.8
LABORATORY PARAMETERS											
Calculated TDS	mg/L	6.0-9.0	-	-		793	793	1335	125	126	292
pH	s.u.		8.11	8.93	--	7.24	7.30	7.46	-	-	7.36
Conductivity	uS/cm		-	-		-	-	2900	-	-	634
Total Alkalinity	mg/L		23	37	2	30	30	27.3	-	-	51
Bicarbonate Alkalinity HCO3			-	-		36.6	36.6	33.3	-	-	62.2
Carbonate Alkalinity CO3			-	-		< 0.5	< 0.5	< 0.5	-	-	< 0.5
Hydroxide Alkalinity OH			-	-		< 0.5	< 0.5	< 0.5	-	-	< 0.5
Dissolved Sulphate	mg/L		29	30	1	15.6	15.8	15.9	42.8	43.1	51.1
Hardness CaCO3*			-	-		262	267	380	75.9	77.3	150
Hardness (Total)	mg/L		13264	14759	1	318	388	391	82	81.6	148
Total Suspended Solids	mg/L	15	-	-		-	-	13	-	-	4
Total Dissolved Solids	mg/L		14840	14620	1	793	-	1335	193	-	405
Turbidity	NTU	15	18.1	25.7		-	-	-	-	-	-
Total Metals											
Aluminum ¹	mg/L	0.5	0.248	0.256	0.002	4.16	1.2	0.25	0.4	0.48	0.13
Antimony	mg/L		-	-		<0.001	<0.001	0.0004	<0.0002	<0.0002	< 0.001
Arsenic	mg/L		0.128	0.142	0.0005	<0.001	0.017	0.004	0.0005	0.0006	0.002
Barium	mg/L		0.1484	0.1991	0.0005	0.18	0.2	0.301	0.027	0.028	0.052
Beryllium	mg/L		-	-		<0.001	<0.001	<0.0002	<0.0002	<0.0002	< 0.001
Bismuth	mg/L		-	-		<0.001	<0.001	<0.0002	<0.0002	<0.0002	< 0.001
Boron	mg/L		-	-		0.59	1.07	2.43	0.11	0.11	0.27
Cadmium ³	mg/L		<0.00002	0.00009	0.00002	0.00024	0.00037	<0.00004	<0.00004	<0.00004	< 0.0002
Calcium	mg/L		5263	5857	0.03	72	87.1	95.4	19.1	19.1	33.4
Chromium ²	mg/L		-	-		0.049	0.32	0.004	0.0017	0.0021	< 0.001
Cobalt	mg/L		-	-		0.004	0.016	0.0009	0.0005	0.0005	< 0.001
Copper ³	mg/L	0.3	0.0237	0.0357	0.0005	0.044	0.071	0.0035	0.0022	0.002	< 0.001
Iron	mg/L		1.3	1.9	0.01	6.05	10.7	1.14	1.02	1.11	1.1
Lead ³	mg/L	0.2	<0.0003	0.0031	0.0003	0.013	0.03	0.0025	0.0015	0.0013	< 0.001
Lithium	mg/L		-	-		0.025	0.031	0.04	0.0031	0.0032	0.006
Magnesium	mg/L		29.9	32.6	0.02	33.2	41.5	37.1	8.29	8.2	15.6
Manganese	mg/L		0.0433	0.05	0.0005	0.073	0.72	0.415	0.309	0.304	0.93
Mercury	mg/L		0.00073	0.00077	0.00001	-	-	<0.00002	<0.00002	<0.00002	< 0.00002
Molybdenum	mg/L		<0.0005	<0.0005	0.0005	<0.0005	0.011	0.0083	0.013	0.013	0.012
Nickel ³	mg/L	0.5	0.2	0.2	0.0005	0.056	0.13	0.0045	0.002	0.0022	< 0.001
Phosphorus	mg/L		-	-		0.069	0.075	0.16	<0.03	<0.03	< 0.15
Potassium	mg/L		201	225	0.05	7.31	9.1	9.13	3.63	3.68	6.1
Selenium	mg/L		0.564	0.594	0.001	<0.001	<0.001	<0.0002	<0.0002	<0.0002	< 0.001
Silicon	mg/L		-	-		0.4	4.12	5.07	2.31	2.71	2.7
Silver	mg/L		0.01230	0.01460	0.00020	0.0064	0.011	0.00028	<0.00005	<0.00005	< 0.00025
Sodium	mg/L		344	550	0.05	22	25	357	16	15.9	50.5
Strontium	mg/L		-	-		0.68	0.79	1.56	0.119	0.12	0.28
Tellurium	mg/L		-	-		<0.001	<0.001	<0.0002	<0.0002	<0.0002	< 0.001
Thallium	mg/L		<0.005	<0.005	0.005	<0.0001	<0.0001	<0.00002	<0.00002	<0.00002	< 0.0001
Thorium	mg/L		-	-		<0.0005	0.0038	<0.0001	0.0005	0.0006	< 0.0005
Tin	mg/L		-	-		<0.001	0.002	0.0009	<0.0002	<0.0002	< 0.001
Titanium	mg/L		-	-		0.01	0.22	0.01	0.024	0.029	0.006
Uranium	mg/L		-	-		0.0012	0.0017	0.0003	0.0006	0.0006	< 0.0005
Vanadium	mg/L		-	-		<0.001	0.029	0.0004	0.0007	0.0008	< 0.001
Zinc	mg/L	0.5	0.038	0.091	0.001	0.063	0.087	0.007	0.005	0.005	< 0.005
Zirconium	mg/L		-	-		<0.0010	<0.0010	<0.002	<0.002	<0.002	< 0.01

Groundwater Quality Results
Agnico-Eagle Mines Ltd
Meadowbank Division

Laboratory sample number Sampling date QA/QC	Units	Portage Attenuation Pond Effluent Limits Maximum Average Conc.	Intermediate Volcaniclastic		Method Detection Limit	Ultramafic Rock					
			Goose Island			Goose Island					
			MW11-01			MW03-01					
			15979 29-Sep-11	15980 29-Sep-11 FD		9755-2 07-Sep-03	9755-3 07-Sep-03 FD	9044-01 Aug-7-04	12393-01 Aug-8-06	12393-02 Aug-8-06 FD	12395-01 Aug-14-06
Dissolved Metals											
Aluminum	mg/L	0.3	0.15	0.01	0.01	0.051	0.011	0.005	0.3	0.3	< 0.005
Antimony	mg/L		-	-		<0.001	<0.001	0.0002	<0.0002	<0.0002	< 0.001
Arsenic	mg/L		0.137	0.130	0.005	<0.001	0.003	0.0038	0.0005	0.0005	0.003
Barium	mg/L		0.13	0.136	0.005	0.12	0.13	0.3	0.025	0.025	0.051
Beryllium	mg/L		-	-		<0.001	<0.001	<0.0002	<0.0002	<0.0002	< 0.001
Bismuth	mg/L	0.002	-	-		<0.001	<0.001	<0.0002	<0.0002	<0.0002	< 0.001
Boron	mg/L		-	-		0.53	1.03	2.39	0.1	0.1	0.27
Cadmium	mg/L		<0.005	<0.005	0.005	0.00007	0.00012	<0.00004	<0.00004	<0.00004	< 0.0002
Calcium	mg/L		5136	5099	0.05	65.6	67	94.2	17.6	17.9	33.7
Chromium ²	mg/L		-	-		<0.001	<0.001	0.0002	0.0012	0.0012	< 0.001
Cobalt	mg/L	0.1	-	-		0.001	0.001	0.0008	0.0004	0.0004	< 0.001
Copper	mg/L		0.021	0.015	0.005	0.002	0.002	0.0004	0.0016	0.0016	< 0.001
Iron	mg/L		1.3	0.97	0.05	<0.05	0.07	0.08	0.84	0.85	0.2
Lead	mg/L		<0.005	<0.005	0.005	<0.001	<0.001	<0.0002	0.0014	0.0012	< 0.001
Lithium	mg/L		-	-		0.017	0.017	0.033	0.0028	0.0027	0.005
Magnesium	mg/L	0.2	22.5	25.8	0.05	23.4	24.3	35.1	7.76	7.92	16.1
Manganese	mg/L		0.029	0.029	0.005	0.06	0.28	0.381	0.286	0.293	0.980
Mercury	mg/L		0.0006	0.0006	0.0005	-	-	<0.00002	<0.00002	<0.00002	< 0.00002
Molybdenum	mg/L		<0.005	<0.005	0.005	<0.0005	0.0057	0.0076	0.012	0.012	0.013
Nickel	mg/L		0.2	0.2	0.005	0.006	0.005	0.0026	0.0019	0.0019	< 0.001
Phosphorus	mg/L	0.4	-	-		0.1	0.15	0.04	<0.03	<0.03	< 0.15
Potassium	mg/L		183	192	0.05	5.71	5.95	8.56	3.27	3.28	6.1
Selenium	mg/L		0.637	0.606	0.005	<0.001	<0.001	<0.0002	<0.0002	<0.0002	< 0.001
Silicon	mg/L		-	-		0.32	3.27	3.89	1.96	1.98	2.50
Silver	mg/L		<0.005	<0.005	0.005	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	< 0.00025
Sodium	mg/L	0.4	283.0	338.0	0.05	20	22	327.0	15.0	15.6	52.5
Strontium	mg/L		-	-		0.58	0.59	1.46	0.111	0.114	0.29
Tellurium	mg/L		-	-		<0.001	<0.001	<0.0002	<0.0002	<0.0002	< 0.001
Thallium	mg/L		<0.01	<0.01	0.01	<0.0001	<0.0001	<0.00002	<0.00002	<0.00002	< 0.0001
Thorium	mg/L		-	-		<0.0005	<0.0005	<0.0001	0.0004	0.0004	< 0.0005
Tin	mg/L	0.4	-	-		<0.001	<0.001	<0.0002	<0.0002	<0.0002	< 0.001
Titanium	mg/L		-	-		<0.001	<0.001	0.0003	0.019	0.018	< 0.001
Uranium	mg/L		-	-		0.0006	0.0006	0.0003	0.0006	0.0006	< 0.0005
Vanadium	mg/L		-	-		<0.001	<0.001	<0.0002	0.0006	0.0006	< 0.001
Zinc	mg/L		0.020	0.013	0.005	0.006	<0.005	0.002	0.005	0.005	< 0.005
Zirconium	mg/L		-	-		<0.0010	<0.0010	<0.002	<0.002	<0.002	< 0.01
Anions											
Dissolved Fluoride	mg/L	1000	0.55	0.62	0.02	< 0.05	< 0.05	0.12	0.16	0.17	0.16
Dissolved Chloride	mg/L		10271	9859	0.5	626	621	845	34.7	33.7	128
Nutrients											
Total Nitrogen	mg/L	20*	-	-		-	-	-	-	-	-
Ammonium	mg/L		0.07	0.27	0.05	-	-	-	-	-	-
Nitrate and Nitrite	mg/L		-	-		< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	-
Nitrate	mg/L		0.28	0.29	0.01	-	-	< 0.05	< 0.05	< 0.05	< 0.1
Nitrite	mg/L		<0.01	<0.01	0.01	-	-	-	0.003	0.004	0.002
Ammonia Nitrogen	mg/L	16	-	-		0.38	0.37	-	0.21	0.19	-
Total Kjeldahl Nitrogen	mg/L		-	-		0.7	0.6	0.3	0.3	0.3	-
Total Phosphorus	mg/L		-	-		0.07	0.08	0.05	0.04	0.04	-
Cyanide (mg/L)											
Total	mg/L	1.0	<0.005	-	0.005	-	-	<0.01	-	-	-
Free	mg/L		<0.005	-	0.005	-	-	<0.1	-	-	-

FD = Field Duplicate

- Not analyzed

January 2014

Groundwater Quality Results
Agnico-Eagle Mines Ltd
Meadowbank Division

Laboratory sample number Sampling date QA/QC	Units	Portage Attenuation Pond Effluent Limits Maximum Average Conc.	Ultramafic Rock								
			Goose Island								
			MW03-01								
			8581-01 Aug-17-07	8581-02 Aug-17-07 FD	F66745 15-Sep-08	F68109 15-Sep-08 FD	154321 7-Sep-09	154321 7-Sep-09 Lab-dup	154359 7-Sep-09 FD	L51870 L51884 26-Aug-10	L51870 26-Aug-10 Lab-dup
FIELD-MEASURED PARAMETERS											
pH	s.u.	6.0-9.0	7.43	-	6.70	-	6.97	-	-	7.13	-
Conductivity	uS/cm		776	-	2100	-	2436	-	-	340	-
Alkalinity (mg/L as CaCO3)			39	-	-	-	-	-	-	-	-
LABORATORY PARAMETERS											
Calculated TDS	mg/L		249	250	-	-	-	-	-	-	-
pH	s.u.	6.0-9.0	6.78	6.96	7.90	7.80	6.71	-	7.20	6.90	-
Conductivity	uS/cm		588	583	3200	3100	3300	3400	3400	350	-
Total Alkalinity	mg/L		36.7	36.7	24	33	15	17	18	49	-
Bicarbonate Alkalinity HCO3			44.8	44.8	-	-	-	-	-	345	-
Carbonate Alkalinity CO3			< 0.5	< 0.5	-	-	-	-	-	-	-
Hydroxide Alkalinity OH			< 0.5	< 0.5	-	-	-	-	-	-	-
Dissolved Sulphate	mg/L		46.5	46.3	6	5.7	3.9	-	3.6	87	-
Hardness CaCO3*			107	109	-	-	-	-	-	-	-
Hardness (Total)	mg/L		116	112	310	320	450	-	440	77	-
Total Suspended Solids	mg/L	15	2	3	5	7	-	-	-	-	-
Total Dissolved Solids	mg/L		389	-	1100	-	1900	-	1900	-	-
Turbidity	NTU	15	-	-	3.3	4.1	2.1	-	8.2	210	-
Total Metals											
Aluminum ¹	mg/L		0.053	0.059	-	-	-	-	-	<0.03	-
Antimony	mg/L		< 0.001	< 0.001	-	-	-	-	-	-	-
Arsenic	mg/L	0.5	< 0.001	< 0.001	-	-	-	-	-	<0.002	-
Barium	mg/L		0.053	0.052	-	-	-	-	-	<0.03	-
Beryllium	mg/L		< 0.001	< 0.001	-	-	-	-	-	-	-
Bismuth	mg/L		< 0.001	< 0.001	-	-	-	-	-	-	-
Boron	mg/L		0.23	0.23	-	-	-	-	-	-	-
Cadmium ³	mg/L		< 0.0002	< 0.0002	-	-	-	-	-	<0.001	-
Calcium	mg/L		26.1	25.1	73	-	-	-	-	21	-
Chromium ²	mg/L		< 0.001	< 0.001	-	-	-	-	-	-	-
Cobalt	mg/L		< 0.001	< 0.001	-	-	-	-	-	-	-
Copper ³	mg/L	0.3	0.001	0.001	-	-	-	-	-	<0.003	-
Iron	mg/L		0.94	0.93	-	-	-	-	-	0.6	-
Lead ³	mg/L	0.2	0.001	0.001	-	-	-	-	-	-	-
Lithium	mg/L		< 0.005	< 0.005	-	-	-	-	-	-	-
Magnesium	mg/L		12.4	12.1	-	-	-	-	-	6.1	-
Manganese	mg/L		0.77	0.75	-	-	-	-	-	0.55	-
Mercury	mg/L		< 0.00002	< 0.00002	-	-	-	-	-	<0.0001	-
Molybdenum	mg/L		0.0084	0.0084	-	-	-	-	-	<0.03	-
Nickel ³	mg/L	0.5	0.001	0.001	-	-	-	-	-	<0.01	-
Phosphorus	mg/L		< 0.15	< 0.15	-	-	-	-	-	-	-
Potassium	mg/L		4.7	4.5	-	-	-	-	-	2.1	-
Selenium	mg/L		< 0.001	< 0.001	-	-	-	-	-	<0.001	-
Silicon	mg/L		1.4	1.3	-	-	-	-	-	-	-
Silver	mg/L		< 0.00025	< 0.00025	-	-	-	-	-	0.0014	-
Sodium	mg/L		39.1	37.5	-	-	-	-	-	2.5	-
Strontium	mg/L		0.24	0.24	-	-	-	-	-	-	-
Tellurium	mg/L		< 0.001	< 0.001	-	-	-	-	-	-	-
Thallium	mg/L		< 0.0001	< 0.0001	-	-	-	-	-	<0.01	-
Thorium	mg/L		< 0.0005	< 0.0005	-	-	-	-	-	-	-
Tin	mg/L		< 0.001	< 0.001	-	-	-	-	-	-	-
Titanium	mg/L		0.003	0.003	-	-	-	-	-	-	-
Uranium	mg/L		< 0.0005	< 0.0005	-	-	-	-	-	-	-
Vanadium	mg/L		< 0.001	< 0.001	-	-	-	-	-	-	-
Zinc	mg/L	0.5	0.009	0.009	-	-	-	-	-	0.009	-
Zirconium	mg/L		< 0.01	< 0.01	-	-	-	-	-	-	-

January 2014

Groundwater Quality Results
Agnico-Eagle Mines Ltd
Meadowbank Division

Laboratory sample number Sampling date QA/QC	Units	Portage Attenuation Pond Effluent Limits Maximum Average Conc.	Ultramafic Rock								
			Goose Island								
			MW03-01								
			8581-01 Aug-17-07	8581-02 Aug-17-07 FD	F66745 15-Sep-08	F68109 15-Sep-08 FD	154321 7-Sep-09	154321 7-Sep-09 Lab-dup	154359 7-Sep-09 FD	L51870 L51884 26-Aug-10	L51870 26-Aug-10 Lab-dup
Dissolved Metals											
Aluminum	mg/L	0.3	< 0.005	0.011	0.0013	0.0068	<0.0001	-	<0.0001	0.03	-
Antimony	mg/L		< 0.001	< 0.001	-	-	-	-	-	-	-
Arsenic	mg/L		< 0.001	< 0.001	0.0001	<0.0001	<0.002	-	<0.002	<0.002	-
Barium	mg/L		0.048	0.051	0.25	0.25	0.42	-	0.39	<0.03	-
Beryllium	mg/L	0.002	< 0.001	< 0.001	-	-	-	-	-	-	-
Bismuth	mg/L		< 0.001	< 0.001	-	-	-	-	-	-	-
Boron	mg/L		0.2	0.21	-	-	-	-	-	-	-
Cadmium	mg/L		< 0.0002	< 0.0002	0.0002	<0.0002	<0.001	-	<0.001	<0.001	-
Calcium	mg/L	0.1	24	24.5	73	75	100	-	99	18	-
Chromium ²	mg/L		< 0.001	< 0.001	-	-	-	-	-	-	-
Cobalt	mg/L		< 0.001	< 0.001	-	-	-	-	-	-	-
Copper	mg/L		< 0.001	0.001	0.0015	0.0023	<0.003	-	<0.003	<0.003	-
Iron	mg/L	0.1	< 0.05	< 0.05	0.03	<0.03	<0.1	-	<0.1	<0.1	-
Lead	mg/L		< 0.001	< 0.001	0.00021	0.00020	<0.001	-	0.001	<0.001	-
Lithium	mg/L		< 0.005	< 0.005	-	-	-	-	-	-	-
Magnesium	mg/L		11.4	11.6	31	32	46	-	47	4.1	-
Manganese	mg/L	0.2	0.700	0.720	0.430	0.44	0.22	-	0.22	0.36	-
Mercury	mg/L		< 0.00002	< 0.00002	<0.00001	<0.00001	<0.0001	-	<0.0001	<0.0001	-
Molybdenum	mg/L		0.0079	0.0079	0.0082	0.0078	<0.03	-	<0.003	<0.03	-
Nickel	mg/L		0.001	0.001	0.0015	0.0015	<0.01	-	<0.01	<0.01	-
Phosphorus	mg/L	0.4	< 0.15	< 0.15	-	-	-	-	-	-	-
Potassium	mg/L		4.3	4.4	8.4	8.5	11	-	11	1.5	-
Selenium	mg/L		< 0.001	< 0.001	0.001	<0.001	<0.001	-	<0.001	<0.001	-
Silicon	mg/L		1.20	1.20	-	-	-	-	-	-	-
Silver	mg/L	0.4	< 0.00025	< 0.00025	0.0001	<0.0001	<0.0003	-	<0.0003	<0.0003	-
Sodium	mg/L		34.2	35.0	-	-	420	-	430	1.8	-
Strontium	mg/L		0.22	0.22	-	-	-	-	-	-	-
Tellurium	mg/L		< 0.001	< 0.001	-	-	-	-	-	-	-
Thallium	mg/L	0.4	< 0.0001	< 0.0001	0.002	<0.002	<0.01	-	<0.01	<0.01	-
Thorium	mg/L		< 0.0005	< 0.0005	-	-	-	-	-	-	-
Tin	mg/L		< 0.001	< 0.001	-	-	-	-	-	-	-
Titanium	mg/L		< 0.001	< 0.001	-	-	-	-	-	-	-
Uranium	mg/L	0.4	< 0.0005	< 0.0005	-	-	-	-	-	-	-
Vanadium	mg/L		< 0.001	< 0.001	-	-	-	-	-	-	-
Zinc	mg/L		< 0.005	0.005	0.017	0.014	<0.003	-	<0.003	0.011	-
Zirconium	mg/L		< 0.01	< 0.01	-	-	-	-	-	-	-
Anions											
Dissolved Fluoride	mg/L	1000	0.18	0.18	<0.1	<0.1	0.1	-	<0.1	0.2	-
Dissolved Chloride	mg/L		126	126	950	980	990	-	950	5.7	-
Nutrients											
Total Nitrogen	mg/L	20*	< 0.2	0.3	0.53	0.49	-	-	-	-	-
Ammonium	mg/L		-	-	-	-	-	-	-	-	-
Nitrate and Nitrite	mg/L		-	-	<0.2	<0.4	<0.42	-	<0.42	0.09	-
Nitrate	mg/L		< 0.01	0.09	<0.02	<0.02	<0.02	-	<0.02	-	-
Nitrite	mg/L	16	0.002	< 0.002	<0.2	<0.4	-	-	-	-	-
Ammonia Nitrogen	mg/L		0.14	0.15	-	-	0.54	-	0.51	0.08	0.08
Total Kjeldahl Nitrogen	mg/L		< 0.2	0.2	-	-	-	-	-	-	-
Total Phosphorus	mg/L		0.01	0.02	-	-	-	-	-	-	-
Cyanide (mg/L)											
Total	mg/L	1.0	-	-	-	-	-	-	-	-	-
Free	mg/L		-	-	-	-	-	-	-	-	-

FD = Field Duplicate

- Not analyzed

Laboratory sample number Sampling date QA/QC	Units	Portage Attenuation Pond Effluent Limits Maximum Average Conc.	Iron Formation Rock					
			Goose Island					
			MW03-02			MW06-06		
			9756-03 28-Sep-03	9043-01 Jul 31-04	9043-01 Jul 31-04 Decant ^u	9043-02 Jul 31-04 FD	12567-01 24-Aug-06	12567-02 24-Aug-06 FD
FIELD-MEASURED PARAMETERS								
pH	s.u.	6.0-9.0	7.68	7.19	-	-	7.59	-
Conductivity	uS/cm		660	1104	-	-	1306	-
Alkalinity (mg/L as CaCO3)			96 - 100	51	-	-	46.3	-
LABORATORY PARAMETERS								
Calculated TDS	mg/L	6.0-9.0	387	499	-	-	588	678
pH	s.u.		7.04	7.25	-	7.34	7.33	7.29
Conductivity	uS/cm		-	1270	-	1280	1210	1200
Total Alkalinity	mg/L		103	41.6	-	42.9	49.9	49.9
Bicarbonate Alkalinity HCO3			125	50.8	-	52.4	60.9	60.9
Carbonate Alkalinity CO3			< 0.5	< 0.5	-	< 0.5	< 0.5	< 0.5
Hydroxide Alkalinity OH		< 0.5	< 0.5	-	< 0.5	< 0.5	< 0.5	
Dissolved Sulphate	mg/L		263	38.4	-	38.2	65.1	56
Hardness CaCO3*			290	308	-	-	345	347
Hardness (Total)	mg/L		316	313	292	-	326	316
Total Suspended Solids	mg/L	15	-	96	-	90	16	28
Total Dissolved Solids	mg/L		-	-	-	-	650	-
Turbidity	NTU	15	-	-	-	-	-	-
Total Metals								
Aluminum ¹	mg/L	0.5	1.07	2.31	0.37	-	0.16	0.13
Antimony	mg/L		<0.001	0.0003	0.0002	-	<0.001	<0.001
Arsenic	mg/L		0.002	0.0038	0.002	-	0.003	0.003
Barium	mg/L		0.028	0.096	0.076	-	0.024	0.024
Beryllium	mg/L		<0.001	< 0.0002	< 0.0002	-	<0.001	<0.001
Bismuth	mg/L		<0.001	< 0.0002	< 0.0002	-	<0.001	<0.001
Boron	mg/L		0.06	0.97	0.87	-	0.36	0.31
Cadmium ³	mg/L		<0.0002	0.00018	0.0001	-	<0.0002	<0.0002
Calcium	mg/L		68.3	74.7	72.5	-	89.3	86.1
Chromium ²	mg/L		0.003	0.008	0.0012	-	<0.001	<0.001
Cobalt	mg/L		0.004	0.0072	0.0045	-	0.002	0.002
Copper ³	mg/L	0.3	0.004	0.007	0.002	-	0.001	0.005
Iron	mg/L		2.96	4.72	0.68	-	0.57	0.57
Lead ³	mg/L	0.2	0.002	0.0035	0.0005	-	<0.001	<0.001
Lithium	mg/L		0.021	0.021	0.017	-	0.029	0.028
Magnesium	mg/L		35.2	30.7	27	-	25	24.5
Manganese	mg/L		1.04	0.517	0.417	-	0.41	0.43
Mercury	mg/L		<0.00002	< 0.00002	< 0.00002	-	<0.00002	<0.00002
Molybdenum	mg/L		0.022	0.015	0.013	-	0.0087	0.009
Nickel ³	mg/L	0.5	0.008	0.017	0.011	-	0.007	0.01
Phosphorus	mg/L		0.19	0.34	0.09	-	1.2	1.2
Potassium	mg/L		5.94	7.8	6.9	-	6.7	6.5
Selenium	mg/L		<0.001	< 0.0002	< 0.0002	-	<0.001	<0.001
Silicon	mg/L		10.7	13.8	7.57	-	4.7	4.6
Silver	mg/L		<0.0001	0.00067	0.00016	-	<0.00025	<0.00025
Sodium	mg/L		6.81	91.9	84.9	-	59	55.9
Strontium	mg/L		0.26	0.759	0.691	-	0.75	0.72
Tellurium	mg/L		<0.001	< 0.0002	< 0.0002	-	<0.001	<0.001
Thallium	mg/L		<0.0001	0.00006	< 0.00002	-	<0.0001	<0.0001
Thorium	mg/L		0.0007	< 0.0001	< 0.0001	-	<0.0005	<0.0005
Tin	mg/L		<0.001	0.0003	< 0.0002	-	<0.001	<0.001
Titanium	mg/L		0.063	0.158	0.02	-	0.005	0.005
Uranium	mg/L		0.0084	0.002	0.0013	-	0.0018	0.0018
Vanadium	mg/L		0.002	0.0039	0.0006	-	0.002	0.002
Zinc	mg/L	0.5	0.014	0.042	0.015	-	<0.005	<0.005
Zirconium	mg/L		<0.0010	< 0.002	< 0.002	-	<0.01	<0.01

Laboratory sample number Sampling date QA/QC	Units	Portage Attenuation Pond Effluent Limits Maximum Average Conc.	Iron Formation Rock					
			Goose Island					
			MW03-02				MW06-06	
			9756-03 28-Sep-03	9043-01 Jul 31-04	9043-01 Jul 31-04 Decant ⁸	9043-02 Jul 31-04 FD	12567-01 24-Aug-06	12567-02 24-Aug-06 FD
Dissolved Metals								
Aluminum	mg/L	0.3	0.47	0.019	-	-	<0.005	<0.005
Antimony	mg/L		<0.001	0.0003	-	-	<0.001	<0.001
Arsenic	mg/L		0.002	0.002	-	-	0.002	0.002
Barium	mg/L		0.023	0.086	-	-	0.018	0.019
Beryllium	mg/L	0.002	<0.001	< 0.0002	-	-	<0.001	<0.001
Bismuth	mg/L		<0.001	< 0.0002	-	-	<0.001	<0.001
Boron	mg/L		0.06	0.94	-	-	0.37	0.44
Cadmium	mg/L		<0.0002	0.00016	-	-	<0.0002	<0.0002
Calcium	mg/L	0.1	63.1	73.5	-	-	87.1	85.3
Chromium ²	mg/L		0.001	0.0004	-	-	<0.001	<0.001
Cobalt	mg/L		0.004	0.0060	-	-	<0.001	<0.001
Copper	mg/L		0.004	0.0014	-	-	0.001	<0.001
Iron	mg/L	0.1	1.91	0.05	-	-	<0.05	<0.05
Lead	mg/L		0.001	< 0.0002	-	-	<0.001	<0.001
Lithium	mg/L		0.019	0.016	-	-	0.028	0.025
Magnesium	mg/L		32.1	30.2	-	-	24.0	23.6
Manganese	mg/L	0.2	0.96	0.492	-	-	0.006	0.003
Mercury	mg/L		<0.00002	< 0.02	-	-	<0.00002	<0.00002
Molybdenum	mg/L		0.018	0.014	-	-	0.0081	0.0069
Nickel	mg/L		0.007	0.012	-	-	0.005	0.004
Phosphorus	mg/L	0.4	0.16	< 0.03	-	-	0.9	0.8
Potassium	mg/L		5.36	7.43	-	-	6.6	5.8
Selenium	mg/L		<0.001	< 0.0002	-	-	<0.001	<0.001
Silicon	mg/L		7.98	5.88	-	-	4.1	3.8
Silver	mg/L	0.2	<0.0001	< 0.00005	-	-	<0.00025	<0.00025
Sodium	mg/L		6.29	89.5	-	-	58.2	55.9
Strontium	mg/L		0.24	0.736	-	-	0.72	0.76
Tellurium	mg/L		<0.001	< 0.0002	-	-	<0.001	<0.001
Thallium	mg/L	0.4	<0.0001	< 0.00002	-	-	<0.0001	<0.0001
Thorium	mg/L		<0.0005	< 0.0001	-	-	<0.0005	<0.0005
Tin	mg/L		<0.001	< 0.0002	-	-	<0.001	<0.001
Titanium	mg/L		0.024	0.0008	-	-	<0.001	<0.001
Uranium	mg/L	0.4	0.0077	0.0013	-	-	0.0016	0.0014
Vanadium	mg/L		<0.001	< 0.0002	-	-	0.001	0.001
Zinc	mg/L		0.012	0.029	-	-	<0.005	<0.005
Zirconium	mg/L		<0.0010	< 0.002	-	-	<0.01	<0.01
Anions								
Dissolved Fluoride	mg/L	1000	0.35	0.6	-	0.57	0.55	0.63
Dissolved Chloride	mg/L		5.4	251	-	259	304	331
Nutrients								
Total Nitrogen	mg/L	20*	-	-	-	-	-	-
Ammonium	mg/L		-	-	-	-	-	-
Nitrate and Nitrite	mg/L		< 0.05	< 0.05	-	< 0.05	-	-
Nitrate	mg/L		< 0.05	< 0.05	-	< 0.05	< 0.25	< 0.25
Nitrite	mg/L	16	0.005	0.006	-	0.007	0.005	0.004
Ammonia Nitrogen	mg/L		0.19	0.07	-	0.05	-	-
Total Kjeldahl Nitrogen	mg/L	1.0	-	0.4	-	-	0.6	0.6
Total Phosphorus	mg/L		0.10	0.23	-	0.25	-	-
Cyanide (mg/L)								
Total	mg/L	1.0	-	<0.01	-	-	-	-
Free	mg/L		-	<0.1	-	-	-	-

FD = Field Duplicate

- Not analyzed

Laboratory sample number Sampling date QA/QC	Units	Portage Attenuation Pond Effluent Limits Maximum Average Conc.	Intermediate Volcanic Rock				Intermediate Volcanic			Method Detection Limit
			North Portage			Goose Island	Second Portage Arm (tailings disposal area)			
			MW03-03			MW06-05	MW03-04	MW06-07		
			9756-02 25-Sep-03	9045-01 Aug-9-04	9045-02 Aug-9-04 FD		9756-01 18-Sep-03	12568-01 30-Aug-06	12568-02 30-Aug-06 FD	
FIELD-MEASURED PARAMETERS										
pH	s.u.	6.0-9.0	8.63	7.77	-		7.67	8.00	8.00	-
Conductivity	uS/cm		350	627	-		370 - 450	440	440	-
Alkalinity (mg/L as CaCO3)			87	102	-	-	-	84	84	-
LABORATORY PARAMETERS										
Calculated TDS	mg/L	6.0-9.0	254	239			154	172**	162**	-
pH	s.u.		7.83	7.96	-	-	-	7.54	7.57	-
Conductivity	uS/cm		-	640			-	281	285	0.001
Total Alkalinity	mg/L		93.8	133	-	-	-	89	89	1
Bicarbonate Alkalinity HCO3			114	162	-	-	-	108	108	0.5
Carbonate Alkalinity CO3			< 0.5	< 0.5	-	-	-	< 0.5	< 0.5	0.5
Hydroxide Alkalinity OH			< 0.5	< 0.5	-	-	-	< 0.5	< 0.5	0.5
Dissolved Sulphate	mg/L	15	26.6	6.2	-	-	63.8	4	3.76	0.1
Hardness CaCO3*			136	210	-	-	53	106	107	1
Hardness (Total)	mg/L		144	216	-	-	-	124	128	1
Total Suspended Solids	mg/L		-	1	-	-	-	11	11	1
Total Dissolved Solids	mg/L		-	-	-	-	-	220	220	0.2
Turbidity	NTU	15	-	-	-	-	-	-	-	0.2
Total Metals										
Aluminum ¹	mg/L	0.5	0.018	0.12	-	-	-	1.08	1.06	0.03
Antimony	mg/L		0.002	0.0002	-	-	-	< 0.001	< 0.001	0.001
Arsenic	mg/L		0.004	0.015	-	-	-	0.001	0.002	0.002
Barium	mg/L		0.02	0.05	-	-	-	0.11	0.11	0.03
Beryllium	mg/L	0.3	<0.001	< 0.0002	-	-	-	< 0.001	< 0.001	0.001
Bismuth	mg/L		<0.001	< 0.0002	-	-	-	< 0.001	< 0.001	0.001
Boron	mg/L		0.09	0.19	-	-	-	< 0.05	< 0.05	0.05
Cadmium ³	mg/L		<0.0002	0.00006	-	-	-	< 0.0002	< 0.0002	0.001
Calcium	mg/L	0.2	28	47.7	-	-	-	34.9	36.4	0.1
Chromium ²	mg/L		<0.001	0.001	-	-	-	0.006	0.005	0.001
Cobalt	mg/L		<0.001	0.0004	-	-	-	0.001	0.001	0.001
Copper ³	mg/L		<0.001	0.0014	-	-	-	0.011	0.011	0.003
Iron	mg/L	0.5	<0.05	0.46	-	-	-	1.5	1.58	0.1
Lead ³	mg/L		0.001	0.0006	-	-	-	0.001	0.001	0.001
Lithium	mg/L		0.007	0.0092	-	-	-	0.004	0.004	0.001
Magnesium	mg/L		18	23.5	-	-	-	8.81	9.04	0.1
Manganese	mg/L	0.5	0.11	0.131	-	-	-	0.073	0.074	0.003
Mercury	mg/L		<0.00002	< 0.00002	-	-	-	< 0.00002	< 0.00002	0.0001
Molybdenum	mg/L		0.056	0.093	-	-	-	0.005	0.0048	0.03
Nickel ³	mg/L		0.003	0.0024	-	-	-	0.005	0.005	0.01
Phosphorus	mg/L	0.5	0.07	0.08	-	-	-	0.4	0.4	0.01
Potassium	mg/L		3.51	2.65	-	-	-	2.7	2.8	0.1
Selenium	mg/L		<0.001	< 0.0002	-	-	-	< 0.001	< 0.001	0.001
Silicon	mg/L		3.78	5.96	-	-	-	5	5	0.05
Silver	mg/L	0.5	<0.0001	0.0001	-	-	-	0.0009	0.0009	0.00030
Sodium	mg/L		17.6	33.6	-	-	-	8.85	9.12	0.03
Strontium	mg/L		0.26	0.581	-	-	-	0.23	0.24	0.001
Tellurium	mg/L		<0.001	< 0.0002	-	-	-	< 0.001	< 0.001	0.001
Thallium	mg/L	0.5	<0.0001	< 0.00002	-	-	-	< 0.0001	< 0.0001	0.01
Thorium	mg/L		<0.0005	< 0.0001	-	-	-	< 0.0005	< 0.0005	0.0005
Tin	mg/L		<0.001	< 0.0002	-	-	-	< 0.001	< 0.001	0.001
Titanium	mg/L		<0.001	0.0045	-	-	-	0.032	0.031	0.001
Uranium	mg/L	0.5	0.012	0.0088	-	-	-	0.0095	0.0097	0.0005
Vanadium	mg/L		<0.001	0.0002	-	-	-	0.002	0.002	0.001
Zinc	mg/L		<0.005	0.006	-	-	-	0.006	0.006	0.005
Zirconium	mg/L		<0.0010	< 0.002	-	-	-	< 0.01	< 0.01	0.001

January 2014

Groundwater Quality Results
Agnico-Eagle Mines Ltd
Meadowbank Division

Laboratory sample number Sampling date QA/QC	Units	Portage Attenuation Pond Effluent Limits Maximum Average Conc.	Intermediate Volcanic Rock				Intermediate Volcanic			Method Detection Limit
			North Portage			Goose Island	Second Portage Arm (tailings disposal area)			
			MW03-03			MW06-05	MW03-04	MW06-07		
			9756-02 25-Sep-03	9045-01 Aug-9-04	9045-02 Aug-9-04 FD		9756-01 18-Sep-03	12568-01 30-Aug-06	12568-02 30-Aug-06 FD	
Dissolved Metals										
Aluminum	mg/L	0.3	0.018	0.006	-	-	0.72	0.04	0.042	0.03
Antimony	mg/L		0.002	< 0.0002	-	-	0.001	< 0.001	< 0.001	0.001
Arsenic	mg/L		0.004	0.013	-	-	0.007	< 0.001	0.0010	0.0020
Barium	mg/L		0.018	0.048	-	-	0.03	0.086	0.086	0.03
Beryllium	mg/L	0.002	<0.001	< 0.0002	-	-	<0.001	< 0.001	< 0.001	0.001
Bismuth	mg/L		<0.001	< 0.0002	-	-	<0.001	< 0.001	< 0.001	0.001
Boron	mg/L		0.08	0.17	-	-	<0.05	< 0.05	< 0.05	0.05
Cadmium	mg/L		<0.0002	0.00004	-	-	<0.0002	< 0.0002	< 0.0002	0.001
Calcium	mg/L	0.1	26.3	47.1	-	-	15	31	31.5	0.1
Chromium ²	mg/L		<0.001	0.0003	-	-	<0.001	< 0.001	< 0.001	0.001
Cobalt	mg/L		<0.001	0.0003	-	-	0.003	< 0.001	< 0.001	0.0010
Copper	mg/L		<0.001	0.0002	-	-	0.006	0.005	0.008	0.003
Iron	mg/L	0.1	<0.05	< 0.01	-	-	0.55	< 0.05	0.05	0.1
Lead	mg/L		<0.001	< 0.0002	-	-	0.006	< 0.001	< 0.001	0.001
Lithium	mg/L		0.007	0.0081	-	-	0.015	0.002	0.002	0.001
Magnesium	mg/L		17.1	22.4	-	-	3.81	6.83	6.92	0.1
Manganese	mg/L	0.2	0.1	0.130	-	-	0.049	0.032	0.032	0.003
Mercury	mg/L		<0.00002	< 0.02	-	-	<0.00002	< 0.00002	< 0.00002	0.0001
Molybdenum	mg/L		0.052	0.09	-	-	0.024	0.004	0.0042	0.030
Nickel	mg/L		0.003	0.0018	-	-	0.003	0.002	0.002	0.01
Phosphorus	mg/L	0.4	0.07	< 0.03	-	-	5.58	0.3	0.3	0.01
Potassium	mg/L		3.33	2.64	-	-	5.44	2.3	2.3	0.1
Selenium	mg/L		<0.001	< 0.0002	-	-	<0.001	< 0.001	< 0.001	0.001
Silicon	mg/L		3.62	5.70	-	-	10.2	2.70	2.70	0.05
Silver	mg/L	0.4	<0.0001	< 0.00005	-	-	<0.0001	< 0.00025	< 0.00025	0.0003
Sodium	mg/L		16.5	32.0	-	-	52.9	7.7	7.8	0.1
Strontium	mg/L		0.24	0.556	-	-	0.14	0.2	0.2	0.001
Tellurium	mg/L		<0.001	< 0.0002	-	-	<0.001	< 0.001	< 0.001	0.001
Thallium	mg/L	0.4	<0.0001	< 0.00002	-	-	<0.0001	< 0.0001	< 0.0001	0.01
Thorium	mg/L		<0.0005	< 0.0001	-	-	<0.0005	< 0.0005	< 0.0005	0.0005
Tin	mg/L		<0.001	< 0.0002	-	-	<0.001	< 0.001	< 0.001	0.001
Titanium	mg/L		<0.001	0.0003	-	-	0.003	< 0.001	< 0.001	0.001
Uranium	mg/L	0.4	0.012	0.0087	-	-	0.013	0.008	0.008	0.0005
Vanadium	mg/L		<0.001	< 0.0002	-	-	<0.001	< 0.001	< 0.001	0.001
Zinc	mg/L		<0.005	0.004	-	-	0.022	< 0.005	< 0.005	0.005
Zirconium	mg/L		<0.0010	< 0.002	-	-	<0.0010	< 0.01	< 0.01	0.001
Anions										
Dissolved Fluoride	mg/L	1000	0.46	0.38	-	-	0.34	0.2	0.11	0.1
Dissolved Chloride	mg/L		50.4	121	-	-	13.4	33.3	33.5	0.05
Nutrients										
Total Nitrogen	mg/L	20*	-	-	-	-	-	-	-	<0.02
Ammonium	mg/L		-	-	-	-	-	-	-	-
Nitrate and Nitrite	mg/L		0.15	< 0.05	< 0.01	-	< 0.05	-	-	0.02
Nitrate	mg/L		0.15	< 0.05	-	-	< 0.05	0.12	0.12	0.05
Nitrite	mg/L	16	0.003	< 0.002	-	-	0.004	0.003	0.003	0.002
Ammonia Nitrogen	mg/L		0.08	-	-	-	-	-	-	0.01
Total Kjeldahl Nitrogen	mg/L		-	0.2	0.2	-	-	-	-	0.2
Total Phosphorus	mg/L		0.07	0.05	0.10	-	-	-	-	0.02
Cyanide (mg/L)										
Total	mg/L	1.0	-	<0.01	<0.01	-	-	-	-	-
Free	mg/L		-	<0.1	<0.1	-	-	-	-	-

FD = Field Duplicate

- Not analyzed

Laboratory sample number Sampling date QA/QC		Units	Portage Attenuation Pond Effluent Limits Maximum Average Conc.	Intermediate Volcanic and Quartzite		Intermediate Volcaniclastic		Method Detection Limit	
				Second Portage Lake Arm		Second Portage Lake Arm			
				BH 10-01		MW11-02			
				L51892 L51894 27-Aug-10	L51893 L51895 27-Aug-10 FD	15870 26-Sep-11	15871 26-Sep-11 FD	28-Sep-11	
FIELD-MEASURED PARAMETERS									
Temperature		°C	6.0-9.0	3.9	-	8.9	-		
pH		s.u.		7.60	-	8.93	-		
Conductivity		uS/cm		910	-	8.93	-		
LABORATORY PARAMETERS									
Calculated TDS (mg/L)	CaCO3	s.u.	6.0-9.0	393	401	123	123	--	
pH				7.55	7.56	7.19	7.40		
Conductivity				930	940	-	-		
Total Alkalinity				110	110	104	103		
Bicarbonate Alkalinity HCO3						-	-		
Carbonate Alkalinity CO3	SO4	mg/L				-	-	2	
Hydroxide Alkalinity OH		mg/L				-	-		
Dissolved Sulphate		mg/L		210	210	42	41		
Hardness CaCO3*		mg/L				167	165		
Hardness (Total)		mg/L				-	-		
Total Suspended Solids	TSS	mg/L	15	-	-	-	-	1	
Total Dissolved Solids	TDS	mg/L		650	690	263	259		
Turbidity		NTU	15	56	55	55.8	69.3		
Total Metals									
Aluminum ¹	Al	mg/L	0.5	<0.03	<0.03	1.810	1.23	0.002	
Antimony	Sb	mg/L		-	-	-	-		
Arsenic	As	mg/L		0.018	0.018	<0.0005	<0.0005		0.0005
Barium	Ba	mg/L		0.44	0.44	0.2297	0.2097		
Beryllium	Be	mg/L		-	-	-	-		
Bismuth	Bi	mg/L	-	-	-	-	0.00002		
Boron	B	mg/L	-	-	-	-			
Cadmium ³	Cd	mg/L	<0.001	<0.001	0.00004	<0.00002			
Calcium	Ca	mg/L	71	69	49.7	49.2		0.03	
Chromium ²	Cr	mg/L	-	-	-	-			
Cobalt	Co	mg/L	-	-	-	-			
Copper ³	Cu	mg/L	0.3	<0.003	<0.003	0.0320	0.0247	0.0005	
Iron	Fe	mg/L		3.1	3.1	1.9	0.90		0.01
Lead ³	Pb	mg/L	0.2	<0.001	<0.001	0.0030	0.0039	0.0003	
Lithium	Li	mg/L		-	-	-	-		
Magnesium	Mg	mg/L	0.5	30	30	10.6	10.4	0.02	
Manganese	Mn	mg/L		0.17	0.17	0.2274	0.1853		0.0005
Mercury	Hg	mg/L		<0.0001	<0.0001	0.00058	0.00064		
Molybdenum	Mo	mg/L		<0.03	<0.03	<0.0005	<0.0005		
Nickel ³	Ni	mg/L		0.05	0.04	0.0087	0.0065		0.0005
Phosphorus	P	mg/L	-	-	-	-	0.05		
Potassium	K	mg/L	7.7	7.7	1.9	2.0			
Selenium	Se	mg/L	<0.001	<0.001	<0.001	<0.001		0.001	
Silicon	SiO2	mg/L	-	-	-	-			
Silver	Ag	mg/L	<0.0003	<0.0003	0.0006	0.0002		0.0002	
Sodium	Na	mg/L	58	58	10.5	10.3	0.05		
Strontium	Sr	mg/L	-	-	-	-		0.005	
Tellurium	Te	mg/L	-	-	-	-			
Thallium	Tl	mg/L	<0.01	0.01	<0.005	<0.005			
Thorium	Th	mg/L	-	-	-	-			
Tin	Sn	mg/L	-	-	-	-			
Titanium	Ti	mg/L	-	-	-	-	0.001		
Uranium	U	mg/L	-	-	-	-			
Vanadium	V	mg/L	-	-	-	-			
Zinc	Zn	mg/L	0.5	<0.003	0.005	0.024		0.019	
Zirconium	Zr	mg/L	-	-	-	-			

January 2014

Groundwater Quality Results
Agnico-Eagle Mines Ltd
Meadowbank Division

Laboratory sample number Sampling date QA/QC			Units	Portage Attenuation Pond Effluent Limits Maximum Average Conc.	Intermediate Volcanic and Quartzite		Intermediate Volcaniclastic		Method Detection Limit
					Second Portage Lake Arm		Second Portage Lake Arm		
					BH 10-01		MW11-02		
					L51892 L51894 27-Aug-10	L51893 L51895 27-Aug-10 FD	15870 26-Sep-11	15871 26-Sep-11 FD	28-Sep-11
Dissolved Metals									
Aluminum	Al	mg/L	0.3	<0.03	<0.03	<0.01	<0.01	0.01	
Antimony	Sb	mg/L		-	-	-	-		
Arsenic	As	mg/L		0.007	0.007	<0.005	<0.005	0.005	
Barium	Ba	mg/L		0.42	0.44	0.160	0.167	0.005	
Beryllium	Be	mg/L	0.002	-	-	-	-		
Bismuth	Bi	mg/L		-	-	-	-		
Boron	B	mg/L		-	-	-	-		
Cadmium	Cd	mg/L		<0.001	<0.001	<0.005	<0.005	0.005	
Calcium	Ca	mg/L	0.1	68	73	42.8	43.4	0.05	
Chromium ²	Cr	mg/L		-	-	-	-		
Cobalt	Co	mg/L		-	-	-	-		
Copper	Cu	mg/L		<0.003	<0.003	0.008	0.010	0.005	
Iron	Fe	mg/L	0.1	0.2	0.2	<0.05	<0.05	0.05	
Lead	Pb	mg/L		<0.001	<0.001	<0.005	<0.005	0.005	
Lithium	Li	mg/L		-	-	-	-		
Magnesium	Mg	mg/L		30	31	7.7	8.0	0.05	
Manganese	Mn	mg/L	0.2	0.18	0.18	0.145	0.148	0.005	
Mercury	Hg	mg/L		<0.0001	<0.0001	0.0011	0.0010	0.0005	
Molybdenum	Mo	mg/L		<0.03	<0.03	<0.005	<0.005	0.005	
Nickel	Ni	mg/L		0.05	0.05	<0.005	<0.005	0.005	
Phosphorus	P	mg/L	0.4	-	-	-	-		
Potassium	K	mg/L		7.8	8	1.3	1.4	0.05	
Selenium	Se	mg/L		<0.001	<0.001	<0.005	<0.005	0.005	
Silicon	SiO2	mg/L		-	-	-	-		
Silver	Ag	mg/L	0.0003	<0.0003	<0.0003	<0.005	<0.005	0.005	
Sodium	Na	mg/L		59	61	7.6	7.9	0.05	
Strontium	Sr	mg/L		-	-	-	-		
Tellurium	Te	mg/L		-	-	-	-		
Thallium	Tl	mg/L	0.01	<0.01	<0.01	<0.01	<0.01	0.01	
Thorium	Th	mg/L		-	-	-	-		
Tin	Sn	mg/L		-	-	-	-		
Titanium	Ti	mg/L		-	-	-	-		
Uranium	U	mg/L	0.005	-	-	-	-		
Vanadium	V	mg/L		-	-	-	-		
Zinc	Zn	mg/L		<0.005	0.012	<0.005	0.013	0.005	
Zirconium	Zr	mg/L		-	-	-	-		
Anions									
Fluoride	F	mg/L	1000	0.4	0.5	0.13	0.18	0.02	
Chloride	Cl	mg/L		17	17	20.9	20.7	0.5	
Nutrients									
Nitrate and Nitrite	NO3 + NO2	mg/L	20*	0.57	0.57	1.72	1.73		
Nitrate	NO3	mg/L		-	-	1.70	1.70	0.01	
Nitrite	NO2	mg/L	16			0.02	0.03	0.01	
Ammonia Nitrogen	N	mg/L		3.8	3.8	0.17	0.2	0.05	
Total Kjeldahl Nitrogen	N	mg/L		-	-	-	-		
Total Phosphorus	P	mg/L		-	-	-	-		
Cyanide (mg/L)									
Weak Acid Dissociable Cyanide (CN-)	CN	mg/L	1.0	0.1	-	<0.005	-	0.005	
Total	CN	mg/L		-	-	<0.005	-	0.005	
Free	CN	mg/L		-	-	<0.005	-	0.005	

FD = Field Duplicate

- Not analyzed

Laboratory sample number Sampling date QA/QC		Units	Portage Attenuation Pond Effluent Limits ¹ Maximum Average Conc.	Intermediate Volcanic						
				Second Portage Lake						
				MW08-02						
				F59984 8-Sep-08	F59995 8-Sep-08 FD	147144 29-Aug-09	147172 29-Aug-09 FD	147172 29-Aug-09 Lab Dup	L56096 1-Sep-10	L56473 1-Sep-10 FD
FIELD-MEASURED PARAMETERS										
Temperature		°C		7.3	-	4.6	-	-	9.2	-
pH		s.u.	6.0 - 9.0	7.05	-	7.79	-	-	7.87	-
Conductivity		uS/cm		808	-	616	-	-	690	-
LABORATORY PARAMETERS										
pH		s.u.	6.0 - 9.0	8.00	8.10	7.95	7.96	-	7.74	7.75
Conductivity		uS/cm		-	-	-	710	-	-	-
Total Cyanide		mg/L								
Total Alkalinity	as CaCO ₃	mg/L		76	76		76	-	80	80
Bicarbonate Alkalinity HCO3 (mg/L)		mg/L		76	76					
Carbonate Alkalinity CO3 (mg/L)		mg/L		<2	<2					
Dissolved Sulphate	SO ₄	mg/L		2.5	2.0	3.0	2.9	3.0	-	-
Hardness (Total)	as CaCO ₃	mg/L		240	230	240	850	-	220	220
Sulphate	SO4	mg SO4/L								
Total Suspended Solids	TSS	mg/L	15	-	-	-	-	-	-	-
Total Dissolved Solids	TDS	mg/L		500	520	530	510	-	450	490
Turbidity		NTU	15	2.4	2.4	2.2	2.2	-	4	3.9
Total Metals (mg/L)										
Aluminum	Al	mg/L	1.5	-	-	-	-	-	<0.03	<0.03
Antimony	Sb	mg/L		-	-	-	-	-	<0.006	<0.006
Arsenic	As	mg/L	0.3	-	-	-	-	-	0.003	0.003
Barium	Ba	mg/L		-	-	-	-	-	0.03	0.04
Cadmium	Cd	mg/L	0.002	-	-	-	-	-	<0.001	<0.001
Calcium	Ca	mg/L		-	-	-	-	-	45	45
Chromium	Cr	mg/L		-	-	-	-	-	0.03	<0.03
Cobalt	Co	mg/L		-	-	-	-	-	<0.03	<0.03
Copper	Cu	mg/L	0.1	-	-	-	-	-	<0.003	<0.003
Iron	Fe	mg/L		-	-	-	-	-	-	-
Lead	Pb	mg/L	0.1	-	-	-	-	-	<0.001	<0.001
Magnesium	Mg	mg/L		-	-	-	-	-	26	26
Manganese	Mn	mg/L		-	-	-	-	-	0.042	0.044
Mercury	Hg	mg/L	0.0004	-	-	-	-	-	<0.0001	<0.0001
Molybdenum	Mo	mg/L		-	-	-	-	-	0.05	0.05
Nickel	Ni	mg/L	0.2	-	-	-	-	-	0.01	<0.01
Potassium	K	mg/L		-	-	-	-	-	-	-
Selenium	Se	mg/L		-	-	-	-	-	<0.001	<0.001
Silver	Ag	mg/L		-	-	-	-	-	<0.0003	<0.0003
Sodium	Na	mg/L		-	-	-	-	-	32	32
Thallium	Tl	mg/L		-	-	-	-	-	-	-
Zinc	Zn	mg/L	0.4	-	-	-	-	-	0.01	0.01

January 2014

Groundwater Quality Results
Agnico-Eagle Mines Ltd
Meadowbank Division

Laboratory sample number Sampling date QA/QC		Units	Portage Attenuation Pond Effluent Limits ¹ Maximum Average Conc.	Intermediate Volcanic						
				Second Portage Lake						
				MW08-02						
				F59984 8-Sep-08	F59995 8-Sep-08 FD	147144 29-Aug-09	147172 29-Aug-09 FD	147172 29-Aug-09 Lab Dup	L56096 1-Sep-10	L56473 1-Sep-10 FD
Dissolved Metals (mg/L)										
Aluminum	Al	mg/L	1.5	0.0046	0.00487	<0.03	<0.03	-	-	-
Arsenic	As	mg/L	0.3	0.0035	0.0035	0.003	<0.002	-	-	-
Barium	Ba	mg/L		0.045	0.043	0.04	<0.03	-	-	-
Cadmium	Cd	mg/L	0.002	<0.0002	<0.0002	<0.001	<0.001	-	-	-
Calcium	Ca	mg/L		50	48	51	340	-	-	-
Copper	Cu	mg/L	0.1	0.00056	0.0011	<0.003	<0.003	-	-	-
Iron	Fe	mg/L		<0.03	<0.03	<0.1	<0.1	-	-	-
Lead	Pb	mg/L	0.1	<0.0001	0.00027	<0.001	<0.001	-	-	-
Magnesium	Mg	mg/L		27	27	27	<1	-	-	-
Manganese	Mn	mg/L		0.03	0.031	<0.003	<0.003	-	-	-
Mercury	Hg	mg/L	0.0	<0.00001	<0.00001	<0.0001	<0.0001	-	-	-
Molybdenum	Mo	mg/L		0.026	0.025	0.07	0.04	-	-	-
Nickel	Ni	mg/L	0.2	0.019	0.019	<0.01	<0.01	-	-	-
Potassium	K	mg/L		1.8	1.5	2	1.3	-	-	-
Selenium	Se	mg/L		<0.001	<0.001	<0.001	<0.001	-	-	-
Silver	Ag	mg/L		<0.0001	<0.0001	<0.0003	<0.0003	-	-	-
Sodium	Na	mg/L		-	-	36	24	-	-	-
Thallium	Tl	mg/L		<0.002	<0.002	<0.01	<0.01	-	-	-
Zinc	Zn	mg/L	0.4	0.014	0.014	0.005	<0.003	-	-	-
Anions (mg/L)										
Fluoride	F	mg/L		0.2	0.2	0.3	0.3	-	0.3	0.3
Chloride	Cl	mg/L	1000	160	180	160	160	180	160	160
Nutrients (mg/L)										
Nitrate and Nitrite	NO3 + NO2	mg/L		<0.1	<0.1	<0.04	<0.04	<0.04	-	-
Nitrate	NO3	mg/L	20	-	-	<0.02	<0.02	<0.02	-	-
Nitrite	NO2	mg/L		<0.1	<0.1	<0.02	<0.02	<0.02	-	-
Ammonia	N	mg/L	16	<0.05	0.05	0.05	0.05	-	0.06	0.06

FD = Field duplicate

- Not analyzed

Laboratory sample number Sampling date QA/QC	Units	Portage Attenuation Pond Effluent Limits ¹ Maximum Average Conc.	Method Detection Limit	Intermediate Volcanic				Method Detection Limit	
				Second Portage Lake					
			MW08-02						
			1-Sep-10	15816 21-Sep-11	15817 21-Sep-11 FD	20763 23-Jul-12	20764 23/Jul/12 FD	28-Sep-11 25/26-Jul-12 01-Aug-12	
FIELD-MEASURED PARAMETERS									
Temperature		°C		8.6	-	20.5	-		
pH		s.u.	6.0 - 9.0	8.05	-	7.94	-		
Conductivity		uS/cm		905	-	616	-		
LABORATORY PARAMETERS									
pH		s.u.	6.0 - 9.0	-	7.22	7.39	7.81	7.59	--
Conductivity		uS/cm		0.001	-	-	-	-	
Total Cyanide		mg/L							
Total Alkalinity	as CaCO ₃	mg/L		2	76	76	<0.005	<0.005	0.005
Bicarbonate Alkalinity HCO3 (mg/L)		mg/L							
Carbonate Alkalinity CO3 (mg/L)		mg/L							
Dissolved Sulphate	SO ₄	mg/L		0.2					
Hardness (Total)	as CaCO ₃	mg/L		1	317	305	170	178	1
Sulphate	SO4	mg SO4/L			4	8	5	3	1
Total Suspended Solids	TSS	mg/L	15	2			2	4	1
Total Dissolved Solids	TDS	mg/L		10					
Turbidity		NTU	15	0.1	3.2	2.3	8.4	7	0.02
Total Metals (mg/L)									
Aluminum	Al	mg/L	1.5	0.03	0.03	<0.006	0.006	<0.006	0.006
Antimony	Sb	mg/L		0.006	-	-	-	-	
Arsenic	As	mg/L	0.3	0.002	0.0023	0.0020	<0.0005	<0.0005	0.0005
Barium	Ba	mg/L		0.03	0.043	0.0370	0.0313	0.0311	0.0005
Cadmium	Cd	mg/L	0.002	0.001	<0.00002	<0.00002	<0.00002	<0.00002	0.00002
Calcium	Ca	mg/L		1	63.1	54.2	35.5	37.4	0.03
Chromium	Cr	mg/L		0.03	-	-	-	-	-
Cobalt	Co	mg/L		0.03	-	-	-	-	-
Copper	Cu	mg/L	0.1	0.003	0.0014	0.0008	<0.0005	<0.0005	0.0005
Iron	Fe	mg/L			1.4	1.4	1.2	1.1	0.01
Lead	Pb	mg/L	0.1	0.001	<0.0003	<0.0003	<0.0003	<0.0003	0.0003
Magnesium	Mg	mg/L		1	38.9	38.0	19.8	20.6	0.02
Manganese	Mn	mg/L		0.003	0.1338	0.1213	0.133	0.1362	0.0005
Mercury	Hg	mg/L	0.0004	0.001	0.00009	0.0001	0.00012	0.0002	0.00001
Molybdenum	Mo	mg/L		0.03	0.0016	<0.0005	0.0522	0.053	0.0005
Nickel	Ni	mg/L	0.2	0.01	0.0046	0.0037	0.0017	0.002	0.0005
Potassium	K	mg/L			2.1	2.0	2.5	2.6	0.05
Selenium	Se	mg/L		0.001	0.005	0.005	0.004	0.006	0.001
Silver	Ag	mg/L		0.0003	<0.0002	<0.0002	<0.0002	<0.0002	0.0002
Sodium	Na	mg/L		0.03	43.3	48.8	26.8	29	0.05
Thallium	Tl	mg/L			0.005	<0.005	<0.005	<0.005	0.005
Zinc	Zn	mg/L	0.4	0.005	0.01	0.375	0.005	0.004	0.001

January 2014

Groundwater Quality Results
Agnico-Eagle Mines Ltd
Meadowbank Division

Laboratory sample number Sampling date QA/QC		Units	Portage Attenuation Pond Effluent Limits ¹ Maximum Average Conc.	Method Detection Limit	Intermediate Volcanic				Method Detection Limit
					Second Portage Lake				
					MW08-02				
					15816 21-Sep-11	15817 21-Sep-11 FD	20763 23-Jul-12	20764 23/Jul/12 FD	
				1-Sep-10					28-Sep-11 25/26-Jul-12 01-Aug-12
Dissolved Metals (mg/L)									
Aluminum	Al	mg/L	1.5	0.03	<0.01	<0.01	<0.01	<0.01	0.01
Arsenic	As	mg/L	0.3	0.002/0.001	<0.005	<0.005	<0.005	<0.005	0.005
Barium	Ba	mg/L		0.030	0.041	0.0410	0.0250	0.0240	0.005
Cadmium	Cd	mg/L	0.002	0.001/0.0002	<0.005	<0.005	<0.005	<0.005	0.005
Calcium	Ca	mg/L		1	59.9	61	39.1	36.9	0.05
Copper	Cu	mg/L	0.1	0.003	<0.005	<0.005	<0.005	<0.005	0.005
Iron	Fe	mg/L		0.03	<0.05	<0.05	<0.05	<0.05	0.05
Lead	Pb	mg/L	0.1	0.0001/0.001	<0.005	<0.005	<0.005	<0.005	0.005
Magnesium	Mg	mg/L		1	35.6	35.5	21.6	20.2	0.05
Manganese	Mn	mg/L		0.003	0.107	0.110	0.134	0.128	0.005
Mercury	Hg	mg/L	0.0	0.00001/0.0001	<0.0005	<0.0005	<0.0005	<0.0005	0.0005
Molybdenum	Mo	mg/L		0.0005/0.03	<0.005	<0.005	0.046	0.043	0.005
Nickel	Ni	mg/L	0.2	0.01/0.001	<0.005	<0.005	<0.005	<0.005	0.005
Potassium	K	mg/L		0.1	2.3	2.4	2.1	1.9	0.05
Selenium	Se	mg/L		0.001	0.005	0.005	<0.005	<0.005	0.005
Silver	Ag	mg/L		0.0001/0.0003	<0.005	<0.005	<0.005	<0.005	0.005
Sodium	Na	mg/L		0.03	44	44.2	25.0	23.3	0.05
Thallium	Tl	mg/L		0.002	<0.01	<0.01	<0.01	<0.01	0.01
Zinc	Zn	mg/L	0.4	0.005	<0.005	0.013	<0.005	<0.005	0.005
Anions (mg/L)									
Fluoride	F	mg/L		0.1	0.32	0.33	0.42	0.37	0.02
Chloride	Cl	mg/L	1000	0.05	169	165	111	109	0.5
Nutrients (mg/L)									
Nitrate and Nitrite	NO3 + NO2	mg/L		0.4	0.01	<0.01	-	-	
Nitrate	NO3	mg/L	20	0.4	0.01	<0.01	0.04	0.04	0.01
Nitrite	NO2	mg/L		0.02	<0.01	<0.01	<0.01	<0.01	0.01
Ammonia	N	mg/L	16	0.02	0.08	0.07	0.2	0.22	0.01

FD = Field duplicate

- Not analyzed

Laboratory sample number Sampling date QA/QC		Units	Portage Attenuation Pond Effluent Limits ¹ Maximum Average Conc.	Intermediate Volcanic Second Portage Lake MW08-02		Intermediate Volcanic Second Portage Lake MW08-03		Method Detection Limit
				V-29241 28-Aug-13	V-29242 28-Aug-13 FD	F66637 14-Sep-08	F68088 14-Sep-08 FD	
FIELD-MEASURED PARAMETERS								
Temperature		°C		2.2		5.0	-	
pH		s.u.	6.0 - 9.0	7.98		7.10	-	
Conductivity		uS/cm		842	126	366	-	
LABORATORY PARAMETERS								
pH		s.u.	6.0 - 9.0	7.57	7.64	8.10	8.20	--
Conductivity	as CaCO ₃	uS/cm		-		490	480	0.001
Total Cyanide		mg/L	0.009	<0.005				
Total Alkalinity		mg/L	105	105	60	59	2	
Bicarbonate Alkalinity HCO3 (mg/L)		mg/L	-	-	-	-		
Carbonate Alkalinity CO3 (mg/L)		mg/L		-		-		
Dissolved Sulphate	SO ₄	mg/L		-		56	51	0.2
Hardness (Total)	as CaCO ₃	mg/L		324	310	180	180	
Sulphate	SO4	mg SO4/L		5.8	6			
Total Suspended Solids	TSS	mg/L	15	57	62	56	54	2
Total Dissolved Solids	TDS	mg/L		399	423	-	-	
Turbidity		NTU	15	59.1	41.5	70	69	0.1
Total Metals (mg/L)								
Aluminum	Al	mg/L	1.5	-	-	-	-	-
Antimony	Sb	mg/L		-	-	-	-	-
Arsenic	As	mg/L	0.3	-	-	-	-	-
Barium	Ba	mg/L		-	-	-	-	-
Cadmium	Cd	mg/L	0.002	-	-	-	-	-
Calcium	Ca	mg/L		-	-	-	-	-
Chromium	Cr	mg/L		-	-	-	-	-
Cobalt	Co	mg/L		-	-	-	-	-
Copper	Cu	mg/L	0.1	-	-	-	-	-
Iron	Fe	mg/L		-	-	-	-	-
Lead	Pb	mg/L	0.1	-	-	-	-	-
Magnesium	Mg	mg/L		-	-	-	-	-
Manganese	Mn	mg/L		-	-	-	-	-
Mercury	Hg	mg/L	0.0004	-	-	-	-	-
Molybdenum	Mo	mg/L		-	-	-	-	-
Nickel	Ni	mg/L	0.2	-	-	-	-	-
Potassium	K	mg/L		-	-	-	-	-
Selenium	Se	mg/L		-	-	-	-	-
Silver	Ag	mg/L		-	-	-	-	-
Sodium	Na	mg/L		-	-	-	-	-
Thallium	Tl	mg/L		-	-	-	-	-
Zinc	Zn	mg/L	0.4	-	-	-	-	-

Groundwater Quality Results
Agnico-Eagle Mines Ltd
Meadowbank Division

Laboratory sample number Sampling date QA/QC		Units	Portage Attenuation Pond Effluent Limits ¹ Maximum Average Conc.	Intermediate Volcanic Second Portage Lake MW08-02		Intermediate Volcanic Second Portage Lake MW08-03		Method Detection Limit
				V-29241 28-Aug-13	V-29242 28-Aug-13 FD	F66637 14-Sep-08	F68088 14-Sep-08 FD	
Dissolved Metals (mg/L)								
Aluminum	Al	mg/L	1.5	0.71	-	0.0046	0.0041	0.001
Arsenic	As	mg/L	0.3	<0.0005	-	<0.001	<0.001	0.001
Barium	Ba	mg/L		0.042	-	0.033	0.034	0.002
Cadmium	Cd	mg/L	0.002	0.00004	-	<0.0002	<0.0002	0.0002
Calcium	Ca	mg/L		-	-	46	46	1
Copper	Cu	mg/L	0.1	0.033	-	0.003	0.0039	0.001
Iron	Fe	mg/L		0.02	-	<0.03	<0.03	0.03
Lead	Pb	mg/L	0.1	0.0011	-	0.00056	0.00027	0.0001
Magnesium	Mg	mg/L		-	-	17	16	1
Manganese	Mn	mg/L		-	-	0.32	0.32	0.0004
Mercury	Hg	mg/L	0.0	<0.0001	-	<0.00001	<0.00001	0.00001
Molybdenum	Mo	mg/L		0.0186	-	0.14	0.14	0.0005
Nickel	Ni	mg/L	0.2	0.005	-	<0.001	0.0017	0.001
Potassium	K	mg/L		-	-	4.4	4.5	0.1
Selenium	Se	mg/L		0.006	-	<0.001	<0.001	0.001
Silver	Ag	mg/L		<0.0001	-	<0.0001	<0.0001	0.0001
Sodium	Na	mg/L		-	-	-	-	
Thallium	Tl	mg/L		-	-	<0.002	<0.002	0.002
Zinc	Zn	mg/L	0.4	0.018	-	0.004	0.0035	0.001
Anions (mg/L)								
Fluoride	F	mg/L		0.36	0.37	0.3	0.3	0.1
Chloride	Cl	mg/L	1000	126	127	3.3	3.6	0.05
Nutrients (mg/L)								
Nitrate and Nitrite	NO3 + NO2	mg/L		-	-	27	27	0.4
Nitrate	NO3	mg/L	20	0.22	0.26	26	26	0.4
Nitrite	NO2	mg/L		0.06	0.06	1.1	1.2	0.02
Ammonia	N	mg/L	16	-	-	2.0	2.0	0.04

FD = Field duplicate

- Not analyzed

Groundwater Quality Results
Agnico-Eagle Mines Ltd
Meadowbank Division

Laboratory sample number Sampling date QA/QC	Units	Portage Attenuation Pond Effluent Limits ¹ Maximum Average Conc.	Intermediate Volcanic	
			Second Portage Lake	Second Portage Lake
			MW08-03	ST-GW-1s
			V-29999 23-Sep-13	V-30844 23-Oct-13
FIELD-MEASURED PARAMETERS				
Temperature		°C	9.6	-
pH		s.u.	6.92	-
Conductivity		uS/cm	644	-
LABORATORY PARAMETERS				
pH		s.u.	6.59	-
Conductivity		uS/cm	-	-
Total Cyanide		mg/L	0.005	<0.005
Total Alkalinity	as CaCO ₃	mg/L	44	103
Bicarbonate Alkalinity HCO ₃ (mg/L)		mg/L	-	-
Carbonate Alkalinity CO ₃ (mg/L)		mg/L	-	-
Dissolved Sulphate	SO ₄	mg/L	-	-
Hardness (Total)	as CaCO ₃	mg/L	2571	121
Sulphate	SO ₄	mg SO ₄ /L	3.4	14.6
Total Suspended Solids	TSS	mg/L	3	-
Total Dissolved Solids	TDS	mg/L	2408	203
Turbidity		NTU	11.4	-
Total Metals (mg/L)				
Aluminum	Al	mg/L	1.5	-
Antimony	Sb	mg/L	-	-
Arsenic	As	mg/L	0.3	-
Barium	Ba	mg/L	-	-
Cadmium	Cd	mg/L	0.002	-
Calcium	Ca	mg/L	-	-
Chromium	Cr	mg/L	-	-
Cobalt	Co	mg/L	-	-
Copper	Cu	mg/L	0.1	-
Iron	Fe	mg/L	-	-
Lead	Pb	mg/L	0.1	-
Magnesium	Mg	mg/L	-	-
Manganese	Mn	mg/L	-	-
Mercury	Hg	mg/L	0.0004	-
Molybdenum	Mo	mg/L	-	-
Nickel	Ni	mg/L	0.2	-
Potassium	K	mg/L	-	-
Selenium	Se	mg/L	-	-
Silver	Ag	mg/L	-	-
Sodium	Na	mg/L	-	-
Thallium	Tl	mg/L	-	-
Zinc	Zn	mg/L	0.4	-

Groundwater Quality Results
Agnico-Eagle Mines Ltd
Meadowbank Division

Laboratory sample number Sampling date QA/QC		Units	Portage Attenuation Pond Effluent Limits ¹ Maximum Average Conc.	Intermediate Volcanic	Intermediate Volcanic
				Second Portage Lake	Second Portage Lake
				MW08-03	ST-GW-1s
				V-29999 23-Sep-13	V-30844 23-Oct-13
Dissolved Metals (mg/L)					
Aluminum	Al	mg/L	1.5	<0.006	0.053
Arsenic	As	mg/L	0.3	0.034	0.0053
Barium	Ba	mg/L		0.0579	0.0419
Cadmium	Cd	mg/L	0.002	0.0007	0.00003
Calcium	Ca	mg/L		-	-
Copper	Cu	mg/L	0.1	0.0287	<0.0005
Iron	Fe	mg/L		<0.01	<0.01
Lead	Pb	mg/L	0.1	<0.0003	0.0051
Magnesium	Mg	mg/L		-	-
Manganese	Mn	mg/L		-	-
Mercury	Hg	mg/L	0.0	<0.0001	<0.0001
Molybdenum	Mo	mg/L		0.0213	0.0165
Nickel	Ni	mg/L	0.2	0.0563	0.0317
Potassium	K	mg/L		-	-
Selenium	Se	mg/L		0.137	0.0001
Silver	Ag	mg/L		-	-
Sodium	Na	mg/L		-	-
Thallium	Tl	mg/L		<0.005	<0.005
Zinc	Zn	mg/L	0.4	0.513	0.002
Anions (mg/L)					
Fluoride	F	mg/L		0.11	1.1
Chloride	Cl	mg/L	1000	2427	16.9
Nutrients (mg/L)					
Nitrate and Nitrite	NO3 + NO2	mg/L		-	-
Nitrate	NO3	mg/L	20	0.3	0.54
Nitrite	NO2	mg/L		0.35	<0.01
Ammonia	N	mg/L	16	-	-

FD = Field duplicate

- Not analyzed

APPENDIX B

Well Development Logs

MW-08-02										
Date	Hr	Purge (total)	Water level (m)	Ice Level (m)	Temp. (°C)	Cond. (µs/cm)	TDS (ppm)	Salt (ppm)	pH	Comments
										Start the heat trace
18/08/2013	16:15			25.35						
19/08/2013	8:10			25.6						
20/08/2013	7:40		26.04	26.65						
21/08/2013	7:45		26.05	26.73						
22/08/2013	10:20		26.07	26.85						An electrician checked the heat trace and everything looks normal
23/08/2013	7:40		26.05	26.95						
24/08/2013	8:00		26.05	26.95						
25/08/2013	7:40		26.05	26.95						
	15:30									Added hot water to melt the ice bridge. It was frozen between 26.95 and about 100 meter.
	17:30	120 (120)	5.2	152.6	5.6	570	395	273	7.94	
26/08/2013	8:00	60 (180)	17.17	152.6	2.4	343	246	150	7.63	
	9:00	15 (195)			2.6	295	209	129	7.53	
	10:00	20 (215)			1.8	408	292	177	7.72	
	11:00	15 (230)			2.3	306	209	128	7.57	
	14:00	20 (250)			2.6	124	88.7	53.1	7.48	
	15:00	20 (270)			3.8	170	121	74.9	7.42	
	16:00	15			4.7	406	290	185	7.91	

MW-08-02										
Date	Hr	Purge (total)	Water level (m)	Ice Level (m)	Temp. (°C)	Cond. (µs/cm)	TDS (ppm)	Salt (ppm)	pH	Comments
		(285)								
	17:00	15 (300)			6.2	661	472	313	7.79	
	17:30	15 (315)			5.9	1172	761	518	7.75	
	18:30	20 (335)			2.2	814	581	374	7.7	
27/08/2013	8:30	60 (395)	112.74	152.31	7.6	1198	847	589	8.17	
	9:30	20 (415)			1.8	322	228	145	8.47	
	10:30	10 (425)			2.7	762	532	349	8.3	
	11:30	20 (445)			3.5	855	607	395	8.27	
	13:30	20 (465)			10.7	653	551	313	8.03	
	15:30	20 (485)			4.6	712	554	325	8.07	
	17:30	25 (510)			4.3	755	575	364	8	
	18:30	20 (530)	137.3	152.59	4.8	815	580	399	8.13	
28/08/2013	9:00	55 (585)	108.2	152.21	2.7	741	504	323	8.24	
	10:00	20 (605)			1.7	839	673	431	8.27	
	11:20	20 (625)			2.9	857	609	404	8.28	
	13:30	40 (665)			2.9	836	601	401	8.12	

MW-08-02										
Date	Hr	Purge (total)	Water level (m)	Ice Level (m)	Temp. (°C)	Cond. (µs/cm)	TDS (ppm)	Salt (ppm)	pH	Comments
	15:00	30 (695)			2.2	842	589	398	7.98	
										Samples taken on the 28th for dissolved metals and Cn at night with the micro-purge. After that, problem with the box, not able to sample for all parameters. Sampled the other parameters in the morning of the 29th with a wattera and a footvalve

MW-08-03										
Date	Hr	Purge (total)	Water level (m)	Ice Level (m)	Temp. (°C)	Cond. (µs/cm)	TDS (ppm)	Salt (ppm)	pH	Comments
18/08/2013	16:00			109.67						Started the heat trace
19/08/2013	8:00			109.8						
20/08/2013	7:30			110.26						
21/08/2013	7:45		114.7	119.9						
22/08/2013	10:05		122.3	150.92						
23/08/2013	7:30		112.5	150.96						
	8:00	40			13.1	40.8	29.3	23.2	7.96	
	10:30	30 (70)			7	44.5	30.8	20.5	7.93	
	13:30	40 (110)			8.7	39.9	28.3	19.6	7.88	
	18:00	30 (140)			10	38.2	27	19.8	7.98	
24/08/2013	7:30	40 (180)	106.9	150.98						

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	8:30 to 14:00									Put hot water to melt the ice and purge it dry to lower the water and then start over (we did it 4 times)
	15:00		dry	154.61						
	16:00	15 (195)			11.2	39.4	27.9	20.4	7.79	
	17:00	15 (210)			10.6	42.1	29.6	21.6	7.88	
	18:00	15 (225)			10.4	40.7	28.4	20.5	7.88	
	19:00	15 (240)			10.9	43.2	31.4	22.4	7.96	
	20:00	15 (255)			10.4	39.6	28	20.3	7.83	
	21:00	15 (270)	dry	154.53						
25/08/2013	7:30		104.8	154.1						
	8:00	40 (310)			9.5	49.6	35.2	24.4	7.97	
	10:30	30 (340)			8.9	55	38.5	26.2	7.84	
	14:00	40 (380)			11.5	63.7	45.2	31.8	7.81	
	14:30									The well is dry, and parameters lead us to believe that we don't have groundwater but melted water in the well so we added 155 pounds of sodium chloride in 400L of water and filled the well with that solution to melt more.
	17:30			155.1						
26/08/2013	13:30		17.17	155.35						Put some hot water to melt more
	15:30	150 (530)		158.5						Purged it dry
	16:00	20 (550)			13.2	OR	OR	OR	10.18	OR= too much salt for readings
	17:00	20 (570)			10.4	OR	OR	OR	8.86	
	18:00	20 (590)		158.44	9.9	OR	OR	OR	8.29	
27/08/2013	8:00									Put some hot water to melt more
	9:30	150	34.8	158.62	5.8	4.54	3.26	2.06	7.85	Not the same units, salt

		(740)				ms/cm	ppT	ppT		concentration too high
	11:30	20 (760)			11.3	5.40 ms/cm	3.87 ppT	2.91 ppT	7.91	Not the same units, salt concentration too high
	12:00	10 (770)			4.9	6.57 ms/cm	4.56 ppT	2.92 ppT	8.29	Not the same units, salt concentration too high
	14:20	20 (790)			10.1	8.58 ms/cm	6.52 ppT	4.63 ppT	7.59	Not the same units, salt concentration too high
	16:00	20 (810)			12.5	7.97 ms/cm	6.41 ppT	4.34 ppT	7.81	Not the same units, salt concentration too high
	18:00	20 (830)			11.5	8.2 ms/cm	5.81 ppT	4.42 ppT	8.04	Not the same units, salt concentration too high
28/08/2013	8:30	40 (870)	112.7	158.3	9.9	9.66 ms/cm	6.83 ppT	5.23 ppT	8.06	Not the same units, salt concentration too high
	10:30	20 (890)			8.5	10.55 ms/cm	7.45 ppT	5.69 ppT	7.86	Not the same units, salt concentration too high
29/08/2013	11:00	100 (990)								
	15:40	40 (1030)			15.4	5.55 ms/cm	3.99 ppT	2.94 ppT	7.4	Not the same units, salt concentration too high
	17:40	20 (1050)			10	6.54 ms/cm	4.66 ppT	3.43 ppT	7.02	Not the same units, salt concentration too high
30/08/2013	8:45	40L (1090)	119.0	158.1	9.1	7.37 ms/cm	5.25 ppT	3.92 ppT	6.89	Not the same units, salt concentration too high
	15:45	30L (1120)			10.4	7.41 ms/cm	5.37 ppT	4.10 ppT	6.75	Not the same units, salt concentration too high
31/08/2013	12:00	30L (1150)			13.8	7.14 ms/cm	5.15 ppT	4.01 ppT	6.91	Not the same units, salt concentration too high
	14:23	20L (1170)			14.9	7.33 ms/cm	5.19 ppT	4.05 ppT	6.93	Not the same units, salt concentration too high
01/09/2013	14:00	40L (1210)			13.5	7.41 ms/cm	5.19 ppT	4.04 ppT	7.36	
	20:00	20L (1230)			11.6	7.5 ms/cm	5.26 ppT	4.06 ppT	6.76	
02/09/2013	10:34	20L (1250)			9.7	7.59 ms/cm	5.39 ppT	4.07 ppt	6.85	

	17:30	15L (1265)			9.6	7.47 ms/cm	5.26 ppT	4.01 ppT	6.87	
03/09/2013	13:15	20L (1285)			11	7.11 ms/cm	5.05 ppT	4.03 ppT	6.85	
	17:30	20L (1305)	137.8	159.7	10.6	7.12 ms/cm	5.02 ppt	3.96 ppt	7.06	
04/09/2013	10:06	20L (1325)			8.7	7.3 ms/cm	5.25 ppt	4.12 ppt	6.68	
	17:32	15L (1340)			10.08	7.07 ms/cm	5.01 ppt	3.98 ppt	6.88	
05/09/2013	12:00	30L (1370)			8.7	7.12 ms/cm	5.04 ppt	3.96 ppt	6.94	
	17:04	15L (1385)			10.7	6.91 ms/cm	4.85 ppt	3.89 ppt	6.98	
06/09/2013	14:16	20L (1405)			8.9	6.95 ms/cm	4.95 ppt	3.87 ppt	6.96	
	17:55	10L (1415)			9.8	7.00 ms/cm	4.96 ppt	3.87 ppt	7.04	
07/09/2013	10:00	25L (1440)			7.8	7.03 ms/cm	4.92 ppt	3.84 ppt	7.05	
08/09/2013	13:30	10			7.7	7.05	4.98	3.9	6.9	
	15:50	5			10.1	6.82	4.83	3.81	7.08	
09/09/2013	11:08	0			-	-	-	-	-	
10/09/2013	10:57	5			1.6	8.04	5.73	4.14	7.35	
	17:20	0			-	-	-	-	-	
11/09/2013	8:45	0			-	-	-	-	-	
	17:00	0			-	-	-	-	-	
13/09/2013	15:00	0	-	127						Asked to Orbit to bring back equipment to unfreeze the well. When purging, air is coming out but no water.
15/09/2013		only purged the	-	132	6.6	5.96 ms/cm	4.18 ppt	3.16 ppt	7.53	Add hot water in the well and purged it dry (did that 3 times for about 2000L of water, after the last purge,

		added water								waited for 2 hours and took readings from the coming water
16/09/2013		10L (1450)		161	9.8	5.69 ms/cm	4.16 ppt	3.21 ppt	7.2	
17/09/2013				162.5						Try to use the steamer to get through the ice but problem with the steamer didn't allow us to complete the work. If the steamer gets repaired soon, we will retry.
18/09/2013										
19/09/2013	11:00	5L			7.3	3.11	2.11	1.53	7.3	
19/09/2013	17:00	5L			4.4	4.76	3.35	2.42	7.21	
20/09/2013	18:00	5L			7.3	6.09	4.32	3.36	7.33	
21/09/2013	7:00	5L			6.8	5.88	4.28	3.29	7.28	
22/09/2013	8:00	5L			6.3	6.21	4.39	3.29	6.95	
23/09/2013	15:00	sample		162.55	9.6	6.44	447	3.51	6.92	

Appendix C

Laboratory Reports

Analytical Report

Company: **Agnico Eagle Division Meadowbank**

Client: M. Stéphane Robert
Address: General Delivery
Baker Lake Nunavut X0C 0A0
Phone: (604) 677-0689 (--)
Fax: (604) 677-0687

Lab number: V-29241

Sampling location: Meadowbank

Sampling date: August 28, 2013

Sample name: MW-08-02

Sampling hour: N/D

Sampled by: M Theriault/S Tapp

Date received: August 30, 2013

Matrix: Eau souterraine

Drinking water distribution:

Corrected certificate, replacing the certificate V-29241 done on September 17 2013

Unless otherwise stated, all samples were received in acceptable condition.

Results relate only to the sample tested.

All samples will be disposed of after 30 days following analysis.

Sauf indication contraire, tous les échantillons ont été reçus en bon état.
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Analytical Report

Lab number: V-29241

Sample name: MW-08-02

Sampling date: August 28, 2013

Sampling location: Meadowbank

Sampling hour: N/D

Parameter	Result	Method name	Analysis date
Alkalinity	105 mg CaCO ₃ /L	M-TIT-1.0	August 30, 2013
Chloride	126 mg/L	Sous-traitance\Multilab Direct	September 04, 2013
Total Cyanide (CNT)	0.009 mg/L	M-CN-1.0	September 03, 2013
Hardness	324 mg CaCO ₃ /L	Sous-traitance\Multilab Direct	September 05, 2013
Fluoride (F)	0.36 mg/L	Sous-traitance\Multilab Direct	September 12, 2013
Total Suspended Solids	57 mg/L	M-SOLI-1.0	September 03, 2013
NH ₄	0.58 mg N/L	Sous-traitance\Multilab Direct	September 09, 2013
Nitrate (NO ₃)	0.22 mg N/L	Sous-traitance\Multilab Direct	September 03, 2013
Nitrite (NO ₂)	0.06 mg N/L	Sous-traitance\Multilab Direct	September 03, 2013
pH	7.57	M-TIT-1.0	August 30, 2013
Dissolved Solids	399 mg/L	M-TIT-1.0	August 30, 2013
Sulfate (SO ₄)	5.8 mg SO ₄ /L	Sous-traitance\Multilab Direct	September 10, 2013
Turbidity	59.1 NTU	Sous-traitance\Multilab Direct	August 30, 2013
Dissolved Aluminium (Al)	0.707 mg/L	Sous-traitance\Multilab Direct	October 01, 2013
Dissolved Silver (Ag)	<0.0001 mg/L	Sous-traitance\Multilab Direct	October 01, 2013
Dissolved Arsenic (As)	<0.0005 mg/L	Sous-traitance\Multilab Direct	October 01, 2013
Dissolved Barium (Ba)	0.0418 mg/L	Sous-traitance\Multilab Direct	October 01, 2013
Dissolved Cadmium (Cd)	0.00004 mg/L	Sous-traitance\Multilab Direct	October 01, 2013
Dissolved Copper (Cu)	0.0330 mg/L	Sous-traitance\Multilab Direct	October 01, 2013
Dissolved Iron (Fe)	0.02 mg/L	Sous-traitance\Multilab Direct	October 01, 2013
Dissolved Magnesium (Mg)	27.7 mg/L	Sous-traitance\Multilab Direct	October 01, 2013
Dissolved Manganese (Mn)	0.4148 mg/L	Sous-traitance\Multilab Direct	October 01, 2013
Dissolved Mercury (Hg)	<0.0001 mg/L	Sous-traitance\Multilab Direct	September 26, 2013
Dissolved Molybdenum (Mo)	0.0186 mg/L	Sous-traitance\Multilab Direct	October 01, 2013
Dissolved Nickel (Ni)	0.0054 mg/L	Sous-traitance\Multilab Direct	October 01, 2013
Dissolved Lead (Pb)	0.0011 mg/L	Sous-traitance\Multilab Direct	October 01, 2013
Dissolved Selenium (Se)	0.006 mg/L	Sous-traitance\Multilab Direct	October 01, 2013
Dissolved titanium (Ti)	0.04 mg/L	Sous-traitance\Multilab Direct	October 01, 2013
Dissolved Zinc	0.018 mg/L	Sous-traitance\Multilab Direct	October 01, 2013

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

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Detection limit

Lab number: V-29241

Sample name: MW-08-02

Sampling location: Meadowbank

Sampling date: August 28, 2013

Sampling hour: N/D

Parameter	Value	Unit	Method	Accreditation
Alkalinity	2	mg CaCO ₃ /L	M-TIT-1.0	
Chloride	0.5	mg/L	Sous-traitance	Yes
Total Cyanide (CNT)	0.005	mg/L	M-CN-1.0	Yes
Hardness	1	mg CaCO ₃ /L	Sous-traitance	
Fluoride (F)	0.02	mg/L	Sous-traitance	Yes
Total Suspended Solids	1	mg/L	M-SOLI-1.0	Yes
NH ₄	0.01	mg N/L	Sous-traitance	Yes
Nitrate (NO ₃)	0.01	mg N/L	Sous-traitance	Yes
Nitrite (NO ₂)	0.01	mg N/L	Sous-traitance	Yes
Dissolved Solids	1	mg/L	M-TIT-1.0	
Sulfate (SO ₄)	0.6	mg SO ₄ /L	Sous-traitance	Yes
Turbidity	0.02	UTN	Sous-traitance	Yes
Dissolved Aluminium (Al)	0.006	mg/L	Sous-traitance	
Dissolved Silver (Ag)	0.0001	mg/L	Sous-traitance	
Dissolved Arsenic (As)	0.0005	mg/L	Sous-traitance	
Dissolved Barium (Ba)	0.0005	mg/L	Sous-traitance	
Dissolved Cadmium (Cd)	0.00002	mg/L	Sous-traitance	
Dissolved Copper (Cu)	0.0005	mg/L	Sous-traitance	
Dissolved Iron (Fe)	0.01	mg/L	Sous-traitance	
Dissolved Magnesium (Mg)	0.02	mg/L	Sous-traitance	
Dissolved Manganese (Mn)	0.0005	mg/L	Sous-traitance	
Dissolved Mercury (Hg)	0.00001	mg/L	Sous-traitance	
Dissolved Molybdenum (Mo)	0.0005	mg/L	Sous-traitance	
Dissolved Nickel (Ni)	0.0005	mg/L	Sous-traitance	
Dissolved Lead (Pb)	0.0003	mg/L	Sous-traitance	
Dissolved Selenium (Se)	0.001	mg/L	Sous-traitance	
Dissolved titanium (Ti)	0.01	mg/L	Sous-traitance	
Dissolved Zinc	0.001	mg/L	Sous-traitance	

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Quality control Report

Lab number: V-29241

Sample name: MW-08-02

Sampling date: August 28, 2013

Sampling location: Meadowbank

Sampling hour: N/D

Parameter	
Alkalinity mg CaCO ₃ /L	Standard name STD alcalinité Result 157 Accuracy 91.7% Limit 123 - 167
Dissolved Aluminium (Al) mg/L	Blank <0.006
	Standard name DMR-0311-2013-23 Result 6.36 Accuracy 97.3% Limit 5.26 - 7.12
Dissolved Silver (Ag) mg/L	Blank <0.0001
Dissolved Arsenic (As) mg/L	Blank <0.0005
	Standard name DMR-0311-2013-23 Result 0.3299 Accuracy 91.5% Limit 0.236 - 0.372
Dissolved Barium (Ba) mg/L	Blank <0.0005
	Standard name DMR-0311-2013-23 Result 2.569 Accuracy 93% Limit 2.04 - 2.76
Dissolved Cadmium (Cd) mg/L	Blank <0.00002
	Standard name DMR-0311-2013-23 Result 0.89751 Accuracy 99.7% Limit 0.8 - 1.0
Chloride mg/L	Blank <0.5
	Standard name DMR-0540-2013-Cl Result 102 Accuracy 100% Limit 90 - 114
Dissolved Copper (Cu) mg/L	Blank <0.0005
	Standard name DMR-0311-2013-23 Result 1.308 Accuracy 94.5% Limit 1.05 - 1.43
Total Cyanide (CNT) mg/L	Blank <0.005
	Standard name DMR-0544-2013-4 Result 0.0840 Accuracy 98.2% Limit 0.0727 - 0.0983

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

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Quality control Report

Lab number: V-29241

Sample name: MW-08-02

Sampling location: Meadowbank

Sampling date: August 28, 2013

Sampling hour: N/D

Parameter	
Dissolved Iron (Fe) mg/L	Blank <0.01 Standard name DMR-0311-2013-23 Result 10.5 Accuracy 100% Limit 8.9 - 12.1
Fluoride (F) mg/L	Blank <0.02 Standard name DMR-0540-2013-12F Result 3.4 Accuracy 98.5% Limit 3.10 - 3.60
Total Suspended Solids mg/L	Blank <1 Standard name STD-MES 25mg/L Result 26 Accuracy 96% Limit 19 - 31
Dissolved Magnesium (Mg) mg/l	Blank <0.02 Standard name DMR-0311-2013-23 Result 6.1 Accuracy 98.2% Limit 5.28 - 7.14
Dissolved Manganese (Mn) mg/l	Blank <0.0005 Standard name DMR-0311-2013-23 Result 3.919 Accuracy 98.5% Limit 3.28 - 4.44
Dissolved Mercury (Hg) mg/L	Blank <0.0001 Standard name DMR-0311-2013-14-Hg Result 0.0034 Accuracy 85% Limit 0.003 - 0.005
Dissolved Molybdenum (Mo) mg	Blank <0.0005 Standard name DMR-0311-2013-23 Result 0.6560 Accuracy 93% Limit 0.599 - 0.811
Dissolved Nickel (Ni) mg/L	Blank <0.0005 Standard name DMR-0311-2013-23 Result 1.175 Accuracy 94.8% Limit 1.05 - 1.43

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

This report shall not be reproduced except in full without the written authority of the laboratory.

Quality control Report

Lab number: V-29241

Sample name: MW-08-02

Sampling date: August 28, 2013

Sampling location: Meadowbank

Sampling hour: N/D

Parameter	
Nitrate (NO3) mg N/L	Blank <0.01
Nitrite (NO2) mg N/L	Blank <0.01
	Standard name DMR-0540-NO2-2013
	Result 2.8
	Accuracy 88.9%
pH	Limit 2.14 - 2.90
	Standard name STD pH 7.0
	Result 7.03
	Accuracy 99.6%
	Limit 6.84 - 7.16
Dissolved Lead (Pb) mg/L	Blank <0.0003
	Standard name DMR-0311-2013-23
	Result 0.8995
	Accuracy 99.9%
	Limit 0.8 - 1.0
Dissolved Selenium (Se) mg/L	Blank <0.001
	Standard name DMR-0311-2013-23
	Result 1.43
	Accuracy 94.1%
	Limit 1.15 - 1.55
Sulfate (SO4) mg SO4/L	Blank <0.6
	Standard name DMR-0540-2013-SO4
	Result 133
	Accuracy 97.1%
	Limit 123 - 151
Dissolved titanium (Ti) mg/L	Blank <0.01
Turbidity UTN	Standard name DMR-0540-2013-Turbidité
	Result 12.4
	Accuracy 94.7%
	Limit 11.1 - 15.1
Dissolved Zinc mg/L	Blank <0.001
	Standard name DMR-0311-2013-23
	Result 4.77
	Accuracy 94.2%
	Limit 3.83 - 5.19

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

This report shall not be reproduced except in full without the written authority of the laboratory.

Additional information

Lab number: V-29241
Sample name: MW-08-02
Sampling location: Meadowbank

Sampling date: August 28, 2013
Sampling hour: N/D

Lab method	Method reference
M-TIT-1.0	MA.303-Titr Auto 2.0
M-CL-2.0	MA.300-Ions 1.3
M-CN-1.0	MA.300-CN 1.2
M-MET-3.0	MA.200-Mét. 1.2
M-CI-1.0	MA.300-Anions 1.0
M-SOLI-1.0	MA.104-S.S. 1.1
M-NITR-2.0	MA.300-NO3 2.0
M-SULF-2.0	MA.300-Ions 1.3
M-TURB-1.0	MA.103-Tur. 1.0

Sauf indication contraire, tous les échantillons ont été reçus en bon état.
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Analytical Report

Company: **Agnico Eagle Division Meadowbank**

Client: M. Stéphane Robert
Address: General Delivery
Baker Lake Nunavut X0C 0A0
Phone: (604) 677-0689 (--)
Fax: (604) 677-0687

Lab number: V-29242

Sampling location: Meadowbank

Sampling date: August 28, 2013

Sample name: DUP

Sampling hour: N/D

Sampled by: M Theriault/S Tapp

Date received: August 30, 2013

Matrix: Eau souterraine

Drinking water distribution:

Reported on: September 17, 2013

Unless otherwise stated, all samples were received in acceptable condition.

Results relate only to the sample tested.

All samples will be disposed of after 30 days following analysis.

Sauf indication contraire, tous les échantillons ont été reçus en bon état.
This report shall not be reproduced except in full without the written authority of the laboratory.

Analytical Report

Lab number: V-29242

Sample name: DUP

Sampling location: Meadowbank

Sampling date: August 28, 2013

Sampling hour: N/D

Parameter	Result	Method name	Analysis date
Alkalinity	105 mg CaCO ₃ /L	M-TIT-1.0	August 30, 2013
Chloride	127 mg/L	Sous-traitance\Multilab Direct	September 04, 2013
Total Cyanide (CNT)	<0.005 mg/L	M-CN-1.0	September 03, 2013
Hardness	310 mg CaCO ₃ /L	Sous-traitance\Multilab Direct	September 05, 2013
Fluoride (F)	0.37 mg/L	Sous-traitance\Multilab Direct	September 12, 2013
Total Suspended Solids	62 mg/L	M-SOLI-1.0	September 03, 2013
NH ₄	0.62 mg N/L	Sous-traitance\Multilab Direct	September 09, 2013
Nitrate (NO ₃)	0.26 mg N/L	Sous-traitance\Multilab Direct	September 03, 2013
Nitrite (NO ₂)	0.06 mg N/L	Sous-traitance\Multilab Direct	September 03, 2013
pH	7.64	M-TIT-1.0	August 30, 2013
Dissolved Solids	423 mg/L	M-TIT-1.0	August 30, 2013
Sulfate (SO ₄)	6 mg SO ₄ /L	Sous-traitance\Multilab Direct	September 10, 2013
Turbidity	41.5 NTU	Sous-traitance\Multilab Direct	August 30, 2013

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

This report shall not be reproduced except in full without the written authority of the laboratory.

Detection limit

Lab number: V-29242

Sample name: DUP

Sampling date: August 28, 2013

Sampling location: Meadowbank

Sampling hour: N/D

Parameter	Value	Unit	Method	Accreditation
Alkalinity	2	mg CaCO ₃ /L	M-TIT-1.0	
Chloride	0.5	mg/L	Sous-traitance	Yes
Total Cyanide (CNT)	0.005	mg/L	M-CN-1.0	Yes
Hardness	1	mg CaCO ₃ /L	Sous-traitance	
Fluoride (F)	0.02	mg/L	Sous-traitance	Yes
Total Suspended Solids	1	mg/L	M-SOLI-1.0	Yes
NH ₄	0.01	mg N/L	Sous-traitance	Yes
Nitrate (NO ₃)	0.01	mg N/L	Sous-traitance	Yes
Nitrite (NO ₂)	0.01	mg N/L	Sous-traitance	Yes
Dissolved Solids	1	mg/L	M-TIT-1.0	
Sulfate (SO ₄)	0.6	mg SO ₄ /L	Sous-traitance	Yes
Turbidity	0.02	UTN	Sous-traitance	Yes

Sauf indication contraire, tous les échantillons ont été reçus en bon état.
This report shall not be reproduced except in full without the written authority of the laboratory.

Quality control Report

Lab number: V-29242

Sample name: DUP

Sampling location: Meadowbank

Sampling date: August 28, 2013

Sampling hour: N/D

Parameter	
Alkalinity mg CaCO ₃ /L	Standard name STD alcalinité Result 157 Accuracy 91.7% Limit 123 - 167
Chloride mg/L	Blank <0.5
	Standard name DMR-0540-2013-Cl Result 102 Accuracy 100% Limit 90 - 114
Total Cyanide (CNt) mg/L	Blank <0.005
	Standard name DMR-0544-2013-4 Result 0.0840 Accuracy 98.2% Limit 0.0727 - 0.0983
Fluoride (F) mg/L	Blank <0.02
	Standard name DMR-0540-2013-12F Result 3.4 Accuracy 98.5% Limit 3.10 - 3.60
Total Suspended Solids mg/L	Blank <1
	Standard name STD-MES 25mg/L Result 26 Accuracy 96% Limit 19 - 31
Nitrate (NO ₃) mg N/L	Blank <0.01
Nitrite (NO ₂) mg N/L	Blank <0.01
	Standard name DMR-0540-NO2-2013 Result 2.8 Accuracy 88.9% Limit 2.14 - 2.90
pH	Standard name STD pH 7.0 Result 7.03 Accuracy 99.6% Limit 6.84 - 7.16
Sulfate (SO ₄) mg SO ₄ /L	Blank <0.6
	Standard name DMR-0540-2013-SO ₄ Result 133 Accuracy 97.1% Limit 123 - 151
Turbidity UTN	Standard name DMR-0540-2013-Turbidité

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

This report shall not be reproduced except in full without the written authority of the laboratory.

Quality control Report

Lab number: V-29242

Sample name: DUP

Sampling location: Meadowbank

Sampling date: August 28, 2013

Sampling hour: N/D

Parameter

Result 12.4

Accuracy 94.7%

Limit 11.1 - 15.1

Additional information

Lab number: V-29242
Sample name: DUP
Sampling location: Meadowbank

Sampling date: August 28, 2013
Sampling hour: N/D

Lab method	Method reference
M-TIT-1.0	MA.303-Titr Auto 2.0
M-CL-2.0	MA.300-Ions 1.3
M-CN-1.0	MA.300-CN 1.2
M-MET-3.0	MA.200-Mét. 1.2
M-CI-1.0	MA.300-Anions 1.0
M-SOLI-1.0	MA.104-S.S. 1.1
M-NITR-2.0	MA.300-NO3 2.0
M-SULF-2.0	MA.300-Ions 1.3
M-TURB-1.0	MA.103-Tur. 1.0

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

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Analytical Report

Company: **Agnico Eagle Division Meadowbank**

Client: M. Stéphane Robert
Address: General Delivery
Baker Lake Nunavut X0C 0A0
Phone: (604) 677-0689 (--)
Fax: (604) 677-0687

Lab number: V-29999

Sampling location: Meadowbank

Sampling date: September 23, 2013

Sample name: mw-08-03

Sampling hour: N/D

Sampled by: M Theriault / J Kataluk

Date received: September 25, 2013

Matrix: Eau souterraine

Drinking water distribution:

Corrected certificate, replacing the certificate V-29999 done on October 07 2013

Unless otherwise stated, all samples were received in acceptable condition.

Results relate only to the sample tested.

All samples will be disposed of after 30 days following analysis.

Sauf indication contraire, tous les échantillons ont été reçus en bon état.
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Analytical Report

Lab number: V-29999

Sample name: mw-08-03

Sampling date: September 23, 2013

Sampling location: Meadowbank

Sampling hour: N/D

Parameter	Result	Method name	Analysis date
Alkalinity	44 mg CaCO ₃ /L	M-TIT-1.0	September 25, 2013
Dissolved Aluminium (Al)	<0.006 mg/L	Sous-traitance\Multilab Direct	October 01, 2013
Dissolved Silver (Ag)	<0.0001 mg/L	Sous-traitance\Multilab Direct	October 01, 2013
Dissolved Arsenic (As)	0.034 mg/L	Sous-traitance\Multilab Direct	October 01, 2013
Dissolved Barium (Ba)	0.0579 mg/L	Sous-traitance\Multilab Direct	October 01, 2013
Dissolved Cadmium (Cd)	0.0007 mg/L	Sous-traitance\Multilab Direct	October 01, 2013
Chloride	2427 mg/L	Sous-traitance\Multilab Direct	September 30, 2013
apparent color	49 Colour units	Sous-traitance\Multilab Direct	September 25, 2013
Dissolved Copper (Cu)	0.0287 mg/L	Sous-traitance\Multilab Direct	October 01, 2013
Total Cyanide (CNT)	0.005 mg/L	M-CN-1.0	September 25, 2013
Hardness	2571 mg CaCO ₃ /L	Sous-traitance\Multilab Direct	September 26, 2013
Dissolved Iron (Fe)	<0.01 mg/L	Sous-traitance\Multilab Direct	October 01, 2013
Fluoride (F)	0.11 mg/L	Sous-traitance\Multilab Direct	October 04, 2013
Total Suspended Solids	3 mg/L	M-SOLI-1.0	September 26, 2013
Dissolved Magnesium (Mg)	3.2 mg/L	Sous-traitance\Multilab Direct	October 01, 2013
Dissolved Mercury (Hg)	<0.0001 mg/L	Sous-traitance\Multilab Direct	September 27, 2013
Dissolved Molybdenum (Mo)	0.0213 mg/L	Sous-traitance\Multilab Direct	October 01, 2013
NH ₄	6.5 mg N/L	Sous-traitance\Multilab Direct	October 01, 2013
Dissolved Nickel (Ni)	0.0563 mg/L	Sous-traitance\Multilab Direct	October 01, 2013
Nitrate (NO ₃)	0.30 mg N/L	Sous-traitance\Multilab Direct	September 25, 2013
Nitrite (NO ₂)	0.35 mg N/L	Sous-traitance\Multilab Direct	September 25, 2013
pH	6.59	M-TIT-1.0	September 25, 2013
Dissolved Lead (Pb)	<0.0003 mg/L	Sous-traitance\Multilab Direct	October 01, 2013
Dissolved Selenium (Se)	0.137 mg/L	Sous-traitance\Multilab Direct	October 01, 2013
Dissolved Solids	2408 mg/L	M-TIT-1.0	September 25, 2013
Sulfate (SO ₄)	3.4 mg SO ₄ /L	Sous-traitance\Multilab Direct	October 02, 2013
Dissolved titanium (Ti)	0.79 mg/L	Sous-traitance\Multilab Direct	October 01, 2013
Turbidity	11.4 NTU	Sous-traitance\Multilab Direct	September 25, 2013
Dissolved Zinc	0.513 mg/L	Sous-traitance\Multilab Direct	October 01, 2013
Free cyanide	<1 mg/L	Sous-traitance\Multilab Direct	October 09, 2013
Dissolved thallium (Tl)	<0.005 mg/L	Sous-traitance\Multilab Direct	December 11, 2013

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

This report shall not be reproduced except in full without the written authority of the laboratory.

Detection limit

Lab number: V-29999

Sample name: mw-08-03

Sampling location: Meadowbank

Sampling date: September 23, 2013

Sampling hour: N/D

Parameter	Value	Unit	Method	Accreditation
Alkalinity	2 mg CaCO ₃ /L		M-TIT-1.0	
Dissolved Aluminium (Al)	0.006 mg/L		Sous-traitance	
Dissolved Silver (Ag)	0.0001 mg/L		Sous-traitance	
Dissolved Arsenic (As)	0.0005 mg/L		Sous-traitance	
Dissolved Barium (Ba)	0.0005 mg/L		Sous-traitance	
Dissolved Cadmium (Cd)	0.00002 mg/L		Sous-traitance	
Chloride	0.5 mg/L		Sous-traitance	Yes
apparent color	1 UCV		Sous-traitance	
Dissolved Copper (Cu)	0.0005 mg/L		Sous-traitance	
Total Cyanide (CNT)	0.005 mg/L		M-CN-1.0	Yes
Hardness	1 mg CaCO ₃ /L		Sous-traitance	
Dissolved Iron (Fe)	0.01 mg/L		Sous-traitance	
Fluoride (F)	0.02 mg/L		Sous-traitance	Yes
Total Suspended Solids	1 mg/L		M-SOLI-1.0	Yes
Dissolved Magnesium (Mg)	0.02 mg/L		Sous-traitance	
Dissolved Mercury (Hg)	0.00001 mg/L		Sous-traitance	
Dissolved Molybdenum (Mo)	0.0005 mg/L		Sous-traitance	
NH ₄	0.01 mg N/L		Sous-traitance	-
Dissolved Nickel (Ni)	0.0005 mg/L		Sous-traitance	
Nitrate (NO ₃)	0.01 mg N/L		Sous-traitance	Yes
Nitrite (NO ₂)	0.01 mg N/L		Sous-traitance	Yes
Dissolved Lead (Pb)	0.0003 mg/L		Sous-traitance	
Dissolved Selenium (Se)	0.001 mg/L		Sous-traitance	
Dissolved Solids	1 mg/L		M-TIT-1.0	
Sulfate (SO ₄)	0.6 mg SO ₄ /L		Sous-traitance	Yes
Dissolved titanium (Ti)	0.01 mg/L		Sous-traitance	
Turbidity	0.02 UTN		Sous-traitance	Yes
Dissolved Zinc	0.001 mg/L		Sous-traitance	
Free cyanide	1 mg/L		M-CN-1.0	
Dissolved thallium (TI)	0.005 mg/L		Sous-traitance	

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

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Quality control Report

Lab number: V-29999

Sample name: mw-08-03

Sampling location: Meadowbank

Sampling date: September 23, 2013

Sampling hour: N/D

Parameter	
Alkalinity mg CaCO ₃ /L	Standard name STD alcalinité Result 163 Accuracy 87.6% Limit 123 - 167
Dissolved Aluminium (Al) mg/L	Blank <0.006
	Standard name DMR-0311-2013-23 Result 6.81 Accuracy 90% Limit 5.26 - 7.12
Dissolved Silver (Ag) mg/L	Blank <0.0001
Dissolved Arsenic (As) mg/L	Blank <0.0005
	Standard name DMR-0311-2013-23 Result 0.2880 Accuracy 94.7% Limit 0.236 - 0.372
Dissolved Barium (Ba) mg/L	Blank <0.0005
	Standard name DMR-0311-2013-23 Result 2.449 Accuracy 98% Limit 2.04 - 2.76
Dissolved Cadmium (Cd) mg/L	Blank <0.00002
	Standard name DMR-0311-2013-23 Result 0.87637 Accuracy 97.4% Limit 0.8 - 1.0
Chloride mg/L	Blank <0.5
	Standard name DMR-0643-2013-Cl Result 108 Accuracy 94.1% Limit 90 - 114
apparent color UCV	Blank <1
	Standard name DMR-0643-2013-Coul Result 51 Accuracy 81% Limit 49 - 77
Dissolved Copper (Cu) mg/L	Blank <0.0005
	Standard name DMR-0311-2013-23 Result 1.343 Accuracy 91.7% Limit 1.05 - 1.43

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

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Quality control Report

Lab number: V-29999

Sample name: mw-08-03

Sampling location: Meadowbank

Sampling date: September 23, 2013

Sampling hour: N/D

Parameter	
Total Cyanide (CNT) mg/L	Blank <0.005 Standard name DMR-0647-2013-5 Result 0.0840 Accuracy 98.2% Limit 0.0727 - 0.0983
Dissolved Iron (Fe) mg/L	Blank <0.01 Standard name DMR-0311-2013-23 Result 11.2 Accuracy 93.3% Limit 8.9 - 12.1
Fluoride (F) mg/L	Blank <0.02 Standard name DMR-0643-2013-13F Result 3.4 Accuracy 98.5% Limit 3.10 - 3.60
Total Suspended Solids mg/L	Blank <1 Standard name STD-MES 25mg/L Result 26 Accuracy 96% Limit 19 - 31
Dissolved Magnesium (Mg) mg/l	Blank <0.02 Standard name DMR-0311-2013-23 Result 6.5 Accuracy 95.3% Limit 5.28 - 7.14
Dissolved Mercury (Hg) mg/L	Blank <0.0001 Standard name DMR-0446-2013-14 Result 0.0038 Accuracy 95% Limit 0.003 - 0.005
Dissolved Molybdenum (Mo) mg	Blank <0.0005 Standard name DMR-0311-2013-23 Result 0.6534 Accuracy 92.7% Limit 0.599 - 0.811
NH4 mg N/L	Blank <0.01
Dissolved Nickel (Ni) mg/L	Blank <0.0005 Standard name DMR-0311-2013-23 Result 1.214 Accuracy 97.9%

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

This report shall not be reproduced except in full without the written authority of the laboratory.

Quality control Report

Lab number: V-29999

Sample name: mw-08-03

Sampling location: Meadowbank

Sampling date: September 23, 2013

Sampling hour: N/D

Parameter	
	Limit 1.05 - 1.43
Nitrate (NO3) mg N/L	Blank <0.01
Nitrite (NO2) mg N/L	Blank <0.01
	Standard name DMR-0643-2013-NO2-1
	Result 2.4
	Accuracy 95.2%
	Limit 2.14 - 2.90
pH	Standard name STD pH 7.0
	Result 7.03
	Accuracy 99.6%
	Limit 6.84 - 7.16
Dissolved Lead (Pb) mg/L	Blank <0.0003
	Standard name DMR-0311-2013-23
	Result 0.9140
	Accuracy 98.4%
	Limit 0.8 - 1.0
Dissolved Selenium (Se) mg/L	Blank <0.001
	Standard name DMR-0311-2013-23
	Result 1.32
	Accuracy 97.8%
	Limit 1.15 - 1.55
Sulfate (SO4) mg SO4/L	Blank <0.6
	Standard name DMR-0643-2013-SO4
	Result 137
	Accuracy 100%
	Limit 123 - 151
Dissolved thallium (Tl) mg/L	Blank <0.005
	Standard name STD Tl SC0187114 1000ppm
	Result 934
	Accuracy 93.4%
	Limit 850 - 1150
Dissolved titanium (Ti) mg/L	Blank <0.01
Turbidity UTN	Standard name DMR-0643-2013-Turb
	Result 12.9
	Accuracy 98.5%
	Limit 11.1 - 15.1
Dissolved Zinc mg/L	Blank <0.001
	Standard name DMR-0311-2013-23
	Result 4.82
	Accuracy 93.1%

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

This report shall not be reproduced except in full without the written authority of the laboratory.

Quality control Report

Lab number: V-29999

Sample name: mw-08-03

Sampling location: Meadowbank

Sampling date: September 23, 2013

Sampling hour: N/D

Parameter

Limit 3.83 - 5.19

Additional information

Lab number: V-29999
Sample name: mw-08-03
Sampling location: Meadowbank

Sampling date: September 23, 2013
Sampling hour: N/D

Lab method	Method reference
M-TIT-1.0	MA.303-Titr Auto 2.0
M-MET-3.0	MA.200-Mét. 1.2
M-CL-2.0	MA.300-Ions 1.3
M-COUL-1.0	MA.103-Col. 2.0
M-CN-1.0	MA.300-CN 1.2
M-CI-1.0	MA.300-Anions 1.0
M-SOLI-1.0	MA.104-S.S. 1.1
M-NITR-2.0	MA.300-NO3 2.0
M-SULF-2.0	MA.300-Ions 1.3
M-TURB-1.0	MA.103-Tur. 1.0

Sauf indication contraire, tous les échantillons ont été reçus en bon état.
This report shall not be reproduced except in full without the written authority of the laboratory.

Analytical Report

Company: **Agnico Eagle Division Meadowbank**

Client: M. Stéphane Robert
Address: General Delivery
Baker Lake Nunavut X0C 0A0
Phone: (604) 677-0689 (--)
Fax: (604) 677-0687

Lab number: V-30844

Sampling location: Meadowbank

Sampling date: October 23, 2013

Sample name: BG groundwater 2 Wall

Sampling hour: N/D

Sampled by: Martin Theriault

Date received: October 24, 2013

Matrix: Water

Drinking water distribution:

Corrected certificate, replacing the certificate V-30844 done on October 29 2013

Unless otherwise stated, all samples were received in acceptable condition.

Results relate only to the sample tested.

All samples will be disposed of after 30 days following analysis.

Sauf indication contraire, tous les échantillons ont été reçus en bon état.
This report shall not be reproduced except in full without the written authority of the laboratory.

Analytical Report

Lab number: V-30844

Sample name: BG groundwater 2 Wall

Sampling date: October 23, 2013

Sampling location: Meadowbank

Sampling hour: N/D

Parameter	Result	Method name	Analysis date
Alkalinity	103 mg CaCO ₃ /L	M-TIT-1.0	October 24, 2013
Ammonia nitrogen (NH ₃ -NH ₄)	0.02 mg N/L	Sous-traitance\Multilab Direct	October 24, 2013
Chloride	16.9 mg/L	Sous-traitance\Multilab Direct	October 25, 2013
Hardness	121 mg CaCO ₃ /L	Sous-traitance\Multilab Direct	October 25, 2013
Fluoride (F)	1.1 mg/L	Sous-traitance\Multilab Direct	October 25, 2013
Magnesium (Mg)	12.6 mg/L	Sous-traitance\Multilab Direct	October 25, 2013
Nitrate (NO ₃)	0.54 mg N/L	Sous-traitance\Multilab Direct	October 25, 2013
Nitrite (NO ₂)	<0.01 mg N/L	Sous-traitance\Multilab Direct	October 25, 2013
Potassium (K)	4.7 mg/L	Sous-traitance\Multilab Direct	October 25, 2013
Dissolved Solids	203 mg/L	M-TIT-1.0	October 24, 2013
Sulfate (SO ₄)	14.6 mg SO ₄ /L	Sous-traitance\Multilab Direct	October 28, 2013
Dissolved Aluminium (Al)	0.053 mg/L	Sous-traitance\Multilab Direct	January 06, 2014
Dissolved Silver (Ag)	<0.0001 mg/L	Sous-traitance\Multilab Direct	January 06, 2014
Dissolved Arsenic (As)	0.0053 mg/L	Sous-traitance\Multilab Direct	January 06, 2014
Dissolved Barium (Ba)	0.0419 mg/L	Sous-traitance\Multilab Direct	January 06, 2014
Dissolved Cadmium (Cd)	0.00003 mg/L	Sous-traitance\Multilab Direct	January 06, 2014
Dissolved Copper (Cu)	<0.0005 mg/L	Sous-traitance\Multilab Direct	January 06, 2014
Dissolved Iron (Fe)	<0.01 mg/L	Sous-traitance\Multilab Direct	January 06, 2014
Dissolved Magnesium (Mg)	9.9 mg/L	Sous-traitance\Multilab Direct	January 06, 2014
Dissolved Mercury (Hg)	<0.0001 mg/L	Sous-traitance\Multilab Direct	January 03, 2014
Dissolved Molybdenum (Mo)	0.0165 mg/L	Sous-traitance\Multilab Direct	January 06, 2014
Dissolved Nickel (Ni)	0.0317 mg/L	Sous-traitance\Multilab Direct	January 06, 2014
Dissolved Lead (Pb)	0.0051 mg/L	Sous-traitance\Multilab Direct	January 06, 2014
Dissolved Selenium (Se)	0.001 mg/L	Sous-traitance\Multilab Direct	January 06, 2014
Dissolved thallium (Tl)	<0.005 mg/L	Sous-traitance\Multilab Direct	January 06, 2014
Dissolved titanium (Ti)	0.01 mg/L	Sous-traitance\Multilab Direct	January 06, 2014
Dissolved Zinc	0.002 mg/L	Sous-traitance\Multilab Direct	January 06, 2014
Total Cyanide (CNT)	<0.005 mg/L	Sous-traitance\Multilab Direct	January 06, 2014

Sauf indication contraire, tous les échantillons ont été reçus en bon état.

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Detection limit

Lab number: V-30844

Sample name: BG groundwater 2 Wall

Sampling date: October 23, 2013

Sampling location: Meadowbank

Sampling hour: N/D

Parameter	Value	Unit	Method	Accreditation
Alkalinity	2 mg CaCO ₃ /L		M-TIT-1.0	
Ammonia nitrogen (NH ₃ -NH ₄)	0.01 mg N/L		Sous-traitance	Yes
Chloride	0.5 mg/L		Sous-traitance	Yes
Hardness	1 mg CaCO ₃ /L		Sous-traitance	
Fluoride (F)	0.02 mg/L		Sous-traitance	Yes
Magnesium (Mg)	0.02 mg/L		Sous-traitance	Yes
Nitrate (NO ₃)	0.01 mg N/L		Sous-traitance	Yes
Nitrite (NO ₂)	0.01 mg N/L		Sous-traitance	Yes
Potassium (K)	0.05 mg/L		Sous-traitance	
Dissolved Solids	1 mg/L		M-TIT-1.0	
Sulfate (SO ₄)	0.6 mg SO ₄ /L		Sous-traitance	Yes
Dissolved Aluminium (Al)	0.006 mg/L		Sous-traitance	
Dissolved Silver (Ag)	0.0001 mg/L		Sous-traitance	
Dissolved Arsenic (As)	0.0005 mg/L		Sous-traitance	
Dissolved Barium (Ba)	0.0005 mg/L		Sous-traitance	
Dissolved Cadmium (Cd)	0.00002 mg/L		Sous-traitance	
Dissolved Copper (Cu)	0.0005 mg/L		Sous-traitance	
Dissolved Iron (Fe)	0.01 mg/L		Sous-traitance	
Dissolved Magnesium (Mg)	0.02 mg/L		Sous-traitance	
Dissolved Mercury (Hg)	0.00001 mg/L		Sous-traitance	
Dissolved Molybdenum (Mo)	0.0005 mg/L		Sous-traitance	
Dissolved Nickel (Ni)	0.0005 mg/L		Sous-traitance	
Dissolved Lead (Pb)	0.0003 mg/L		Sous-traitance	
Dissolved Selenium (Se)	0.001 mg/L		Sous-traitance	
Dissolved thallium (Tl)	0.005 mg/L		Sous-traitance	
Dissolved titanium (Ti)	0.01 mg/L		Sous-traitance	
Dissolved Zinc	0.001 mg/L		Sous-traitance	
Total Cyanide (CNT)	0.005 mg/L		M-CN-1.0	Yes

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Quality control Report

Lab number: V-30844

Sample name: BG groundwater 2 Wall

Sampling date: October 23, 2013

Sampling location: Meadowbank

Sampling hour: N/D

Parameter	
Alkalinity mg CaCO ₃ /L	Standard name STD alcalinité Result 144 Accuracy 99.3% Limit 123 - 167
Dissolved Aluminium (Al) mg/L	Blank <0.006
	Standard name DMR-0643-2013-27d Result 6.54 Accuracy 94.3% Limit 5.26 - 7.12
Dissolved Silver (Ag) mg/L	Blank <0.0001
Dissolved Arsenic (As) mg/L	Blank <0.0005
	Standard name DMR-0643-2013-27d Result 0.2788 Accuracy 98.5% Limit 0.219 - 0.347
Ammonia nitrogen (NH ₃ -NH ₄) m	Blank <0.01
	Standard name DMR-0729-2013-NH3 Result 5.1 Accuracy 97.7% Limit 4.44 - 6.00
Dissolved Barium (Ba) mg/L	Blank <0.0005
	Standard name DMR-0643-2013-27d Result 2.233 Accuracy 93% Limit 2.04 - 2.76
Dissolved Cadmium (Cd) mg/L	Blank <0.00002
	Standard name DMR-0643-2013-27d Result 0.82412 Accuracy 91.6% Limit 0.765 - 1.035
Chloride mg/L	Blank <0.5
	Standard name DMR-0729-2013-Cl Result 102 Accuracy 100% Limit 90 - 114
Dissolved Copper (Cu) mg/L	Blank <0.0005
	Standard name DMR-0643-2013-27d Result 1.296 Accuracy 95.5% Limit 1.05 - 1.43

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Quality control Report

Lab number: V-30844

Sample name: BG groundwater 2 Wall

Sampling date: October 23, 2013

Sampling location: Meadowbank

Sampling hour: N/D

Parameter	
Total Cyanide (CNT) mg/L	Blank <0.005 Standard name DMR-0910-2013-Cn Result 0.097 Accuracy 39.4% Limit 0.0513 - 0.0695
Dissolved Iron (Fe) mg/L	Blank <0.01 Standard name DMR-0643-2013-27d Result 9.6 Accuracy 91.4% Limit 8.9 - 12.1
Fluoride (F) mg/L	Blank <0.02 Standard name Dmr-0729-2013-12F Result 3.1 Accuracy 92.5% Limit 3.10 - 3.60
Magnesium (Mg) mg/L	Blank <0.02 Standard name DMR-0311-2013-23m Result 6.7 Accuracy 92.1% Limit 5.28 - 7.14
Dissolved Magnesium (Mg) mg/l	Blank <0.02 Standard name DMR-0643-2013-27d Result 6.1 Accuracy 98.2% Limit 5.28 - 7.14
Dissolved Mercury (Hg) mg/L	Blank <0.0001 Standard name DMR-0729-2013-14 Result 0.0031 Accuracy 77.5% Limit 0.0031 - 0.0049
Dissolved Molybdenum (Mo) mg	Blank <0.0005 Standard name DMR-0643-2013-27d Result 0.6061 Accuracy 86% Limit 0.599 - 0.811
Dissolved Nickel (Ni) mg/L	Blank <0.0005 Standard name DMR-0643-2013-27d Result 1.146 Accuracy 98.6% Limit 0.96 - 1.30

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Quality control Report

Lab number: V-30844

Sample name: BG groundwater 2 Wall

Sampling date: October 23, 2013

Sampling location: Meadowbank

Sampling hour: N/D

Parameter	
Nitrate (NO3) mg N/L	Blank <0.01
Nitrite (NO2) mg N/L	Blank <0.01
	Standard name DMR-0729-2013-NO2
	Result 2.0
	Accuracy 99%
	Limit 1.72 - 2.32
Dissolved Lead (Pb) mg/L	Blank <0.0003
	Standard name DMR-0643-2013-27d
	Result 1.032
	Accuracy 85.3%
	Limit 0.765 - 1.035
Potassium (K) mg/L	Blank <0.05
	Standard name DMR-0311-2013-23m
	Result 15.6
	Accuracy 87.6%
	Limit 15.1 - 20.5
Dissolved Selenium (Se) mg/L	Blank <0.001
	Standard name DMR-0643-2013-27d
	Result 1.33
	Accuracy 98.5%
	Limit 1.15 - 1.55
Sulfate (SO4) mg SO4/L	Blank <0.6
	Standard name DMR-0729-2013-SO4
	Result 133
	Accuracy 97.1%
	Limit 123 - 151
	Sample duplicate 14.6-14.1
Dissolved thallium (Tl) mg/L	Blank <0.005
	Standard name STD Tl SC0187114 1000ppm
	Result 1032
	Accuracy 96.8%
	Limit 850 - 1150
Dissolved titanium (Ti) mg/L	Blank <0.01
Dissolved Zinc mg/L	Blank <0.001
	Standard name DMR-0643-2013-27d
	Result 4.64
	Accuracy 97.1%
	Limit 3.83 - 5.19

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Additional information

Lab number: V-30844

Sample name: BG groundwater 2 Wall

Sampling date: October 23, 2013

Sampling location: Meadowbank

Sampling hour: N/D

Container does not meet requirements, results are only indicative for the following analysis: Cyanide

Lab method	Method reference
M-TIT-1.0	MA.303-Titr Auto 2.0
M-NH3-2.0	MA.300-N 2.0
M-CL-2.0	MA.300-Ions 1.3
M-MET-3.0	MA.200-Mét. 1.2
M-CI-1.0	MA.300-Anions 1.0
M-NITR-2.0	MA.300-NO3 2.0
M-SULF-2.0	MA.300-Ions 1.3

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