

Appendix G6

Report: 2014 Groundwater Monitoring Report



MEADOWBANK GOLD MINE

2014 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

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EXECUTIVE SUMMARY

The 2014 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 shallow and 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 2014, a new well was installed (MW-14-01) to replace well MW-11-02 which has been blocked with purging material since 2012. This well and one other (MW-08-02) were sampled. The available third well (MW-08-03) was dry.

As per recommendations in the 2012 Groundwater Monitoring Report (Golder, 2012), attempts were made to augment the program by sampling production drill holes and pit wall seeps. Groundwater was not encountered in production wells or pit wall seeps, but the sump in Goose Pit was identified as a talik, and sample results were indicative of groundwater, so this location was added to the groundwater sampling network.

Concentrations of all parameters measured in groundwater samples in 2014 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.

Results for all parameters in the sample collected from the existing well (MW-08-02) in 2014 were similar to those observed historically, indicating no measureable movement of tailings into deep groundwater at this location. While concentrations of salinity-related parameters were elevated at the new well (MW-14-01), this was likely related to salt water addition during installation. Concentrations of total cyanide in this location were also elevated compared to previous results for a nearby well, although values were still more than 5x lower than NWB license limits for discharge to surface water. Results for dissolved copper at MW-14-01 were similar to or lower than those observed historically (2011) at nearby well MW-11-02. For the Goose Pit sump, CN was non-detect and dissolved copper was on the lower end of values observed historically site-wide (0.0011 mg/L).

All measured concentrations of other metals were below NWB license limits for discharge to surface water for all locations, and were within the range of historical results (see Appendix A), with the exception of dissolved Pb at MW-08-02. However, the value for this analyte was more than 200x higher than the value for total Pb, suggesting a sampling, measurement or reporting error.

These parameters will continue to be monitored in 2015 to determine any trends, with a planned increase in sampling frequency (spring and fall).

TABLE OF CONTENTS

EXECUTIVE SUMMARY	II
1 INTRODUCTION	1
1.1 Objective	1
1.2 Monitoring Locations	1
2 WELL INSTALLATION	4
3 SAMPLING METHODS.....	5
3.1 MW-08-02	5
3.2 MW-08-03	5
3.3 MW-14-01	5
3.4 Goose Pit Sump	6
4 REGULATORY GUIDELINES	7
5 QUALITY ASSURANCE / QUALITY CONTROL	8
6 RESULTS	9
6.1 Groundwater Chemistry.....	9
6.2 Salinity Results	11
6.3 QA/QC	13
7 CONCLUSIONS	14
8 ACTIONS.....	15
9 REFERENCES	16

APPENDICES

Appendix A: Summary of Historical Results
Appendix B: 2014 Well Development Logs
Appendix C: Well Installation Log (MW-14-01)
Appendix D: 2014 Laboratory Reports

LIST OF TABLES

Table 1. UTM coordinates for the Meadowbank groundwater monitoring locations. 2

Table 2. Results of groundwater monitoring for all stations in 2014. MW-08-03 was dry and could not be sampled. * - field measurement. ¹ - total metals value. ² - average of duplicate samples. 9

Table 3. Concentrations of total dissolved solids (TDS), chloride and conductivity for 2003 – present. 12

Table 4. Relative percent difference values or +/- MDL values (*) for duplicated samples in 2014. 13

LIST OF FIGURES

Figure 1. Groundwater monitoring stations. 3

1 INTRODUCTION

Parts of Goose and Portage Pits at the Meadowbank mine site are being developed in 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 talik prior to and during mine operation.

1.1 OBJECTIVE

This document provides a summary of the 2014 groundwater monitoring program carried out at the Meadowbank mine site. This monitoring program is conducted in support of the Groundwater Monitoring Plan (AEM, 2014). 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 was replaced in 2014 with a new well - MW-14-01. Well MW-08-03 was blocked with an ice bridge in 2010, 2011 and 2012. Advancements were made in 2013 and a sample was taken that was expected to be representative of some parameters. In 2014, the blockage was removed, but the well was dry and could not be sampled.

As recommended in the 2012 monitoring report (Golder, 2012), pit wall seeps were added to the sampling program in 2013 to augment the monitoring data, and attempts were made to sample from production drill holes. Seep samples were collected in 2014, but parameters were not representative of groundwater, so this program has been discontinued. However, results from sampling of the sump

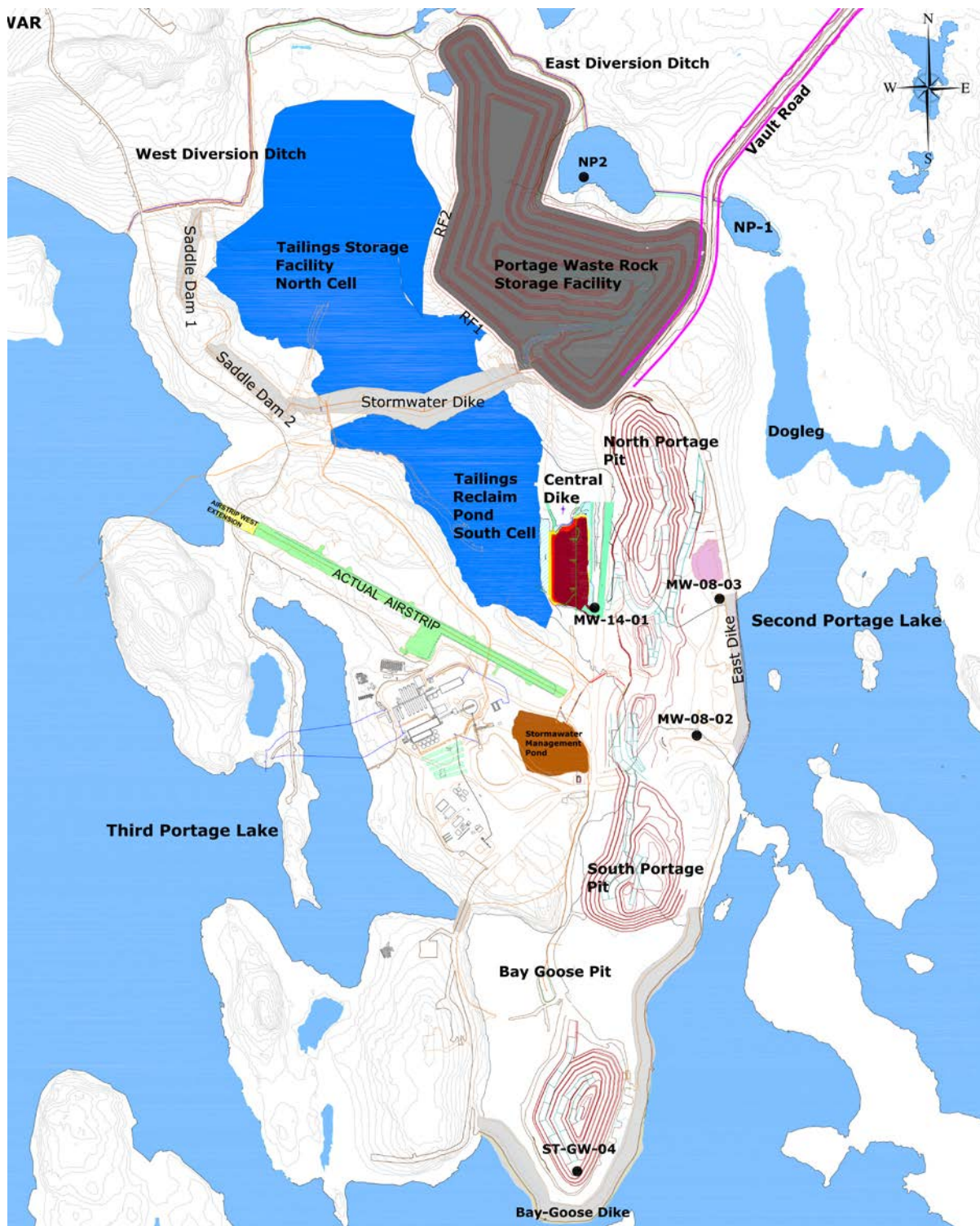
in the Goose Pit in August, 2014 (ST-GW-4) were indicative of groundwater, and are provided here. In addition it should be noted that this sump is located in an area that is not frozen (no permafrost) and remains “wet” most of the year which is evidence that the area is in a talik zone. This information, along with the sample results, further supports the premise that the water is indicative of groundwater from a talik zone. No production drillholes could effectively be sampled in 2014, but opportunities to sample these wells (i.e. when there is sufficient groundwater inflow) will continue to be monitored in future years.

Overall in 2014, samples were collected at monitoring wells MW-08-02 (ST-GW-1), MW-14-01, and Goose Pit sump ST-GW-4. These sampling locations are described below, and are shown in Figure 1.

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
MW-14-01	Well	0638750	7214445
ST-GW-04	Goose Pit Sump	See Figure 1	

Figure 1. Groundwater monitoring stations.



2 WELL INSTALLATION

Monitoring well MW-14-01 was installed in September, 2014 to replace well MW-11-02 which is blocked with development material (Waterra tubing since 2012). Details of this well installation are described in Appendix B – Well Installation Log.

3 SAMPLING METHODS

In general, 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. Targets for purging are a minimum of three well volumes and stabilization of field-indicator parameters (conductivity, temperature, pH) 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. All measurements of water level and field parameters obtained during well development are included in Appendix B.

3.1 MW-08-02

On August 16, a steamer was used to thaw ice accumulated in the well beginning at 17.35 mbgs. The steaming successfully opened the well to a depth of 154.56 mbgs, where a blockage was identified. At this time, 130 L was purged until the well was dry. However, the generator for the heat trace cables malfunctioned and had to be removed for maintenance. On August 18 the heat tracers were again activated, the well was re-steamed and 100 L were purged. On August 19 the tracers were found not to be working, so the well was steamed a third time and 100 L were purged. On August 20 the tracers seemed to be working, so a further 150 L were able to be purged over the course of the day, and field parameters were recorded four times. Parameters appeared stable by the fifth purge volume (40 L), so a sample was taken. Use of a low-flow pump (as used in previous years) to purge and sample was not possible at this location due to malfunction of the heat trace and rapid re-freezing of the well following steaming. As a result, purging and sampling was conducted manually using dedicated Waterra tubing with a foot valve. Use of the Solinst pump will be used in future sampling events.

3.2 MW-08-03

This monitoring well was blocked by ice in 2010, 2011 and 2012. A sample was obtained in 2013, but the addition of salt water to help thaw the well impacted salinity parameters. In 2014, the heating cables were energized on August 16 and a steamer was successfully used to unblock the well to a depth of 169.6 mbgs, allowing 160 L to be purged. On August 17, a further 35 L were purged and field parameters were recorded, but the well remained dry after this date. No sample was taken.

3.3 MW-14-01

Following installation of this new monitoring well (see Appendix C for installation details) heat trace cables were activated and purging was conducted from October 15 – 20. A total of 1,350 L were purged, and field parameters were recorded with every purge volume (25 – 80 L; up to 10x daily). Since salt water was added during installation, conductivity, salinity and TDS declined significantly during purging and appeared to stabilize just prior to sampling (October 20). At the time of sampling, the water level was at 10.75 m, and the well extended to 95.05 m. This well was installed at an angle of 73°, so these values represent distance from the casing rather than mbgs. While purging and sampling were completed manually using Waterra tubing and foot valve in 2014, it is anticipated that a low-flow pump will be able to be used in the future at this location.

3.4 GOOSE PIT SUMP

Water accumulating in the Goose Pit sump was sampled from the end of the outlet pipe located in the TSF South Cell on August 27. This sump is in a talik zone (as identified by the consistently wet ground and lack of permafrost) and results are representative of groundwater, so the sample is considered in this assessment.

4 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.

5 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; 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 in general 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.

6 RESULTS

6.1 GROUNDWATER CHEMISTRY

Results of the groundwater analyses for 2014 are shown in Table 2. NWB Water License grab sample limits for discharge to surface water are provided for context, and results above these values are highlighted in *italics*.

While not exceeding NWB limits, elevated chloride (1,777 mg/L), hardness (2,360 mg/L) and dissolved solids (3,152 mg/L) in the new well (MW-14-01) are likely a result of salt water additions to prevent freezing during installation, 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 leftover drilling brine, despite significant purging. It is anticipated that these levels will decrease in future sampling events.

Concentrations of cyanide and copper were assessed to track any potential movement of tailings into groundwater, since these parameters in particular are elevated in reclaim water in the TSF. In 2014, average total cyanide and dissolved copper concentrations in reclaim water samples were 10.2 and 3.9 mg/L, respectively (ST-21; see 2014 Annual Report). Concentrations of these parameters in monitoring wells and Goose Pit sump samples (see Table 2) were well below NWB license limits for discharge to surface water (1 and 0.2 mg/L, respectively for total CN and total copper). Cyanide and copper values for MW-08-02 were similar to or lower than historical results for this well, (see Appendix A), indicating no measured movement of water from the TSF into groundwater at this location. For the new well (MW-14-01), results for copper were similar to or lower than those observed historically (2011) at nearby well MW-11-02, but total CN was higher at 0.146 mg/L, compared to the non-detect value (<0.005 mg/L) recorded previously. Concentrations of CN will continue to be monitored at this location to determine trends in the future, with an additional sampling planned for 2015 (spring and fall). For the Goose Pit sump, CN was non-detect and dissolved copper was on the lower end of values observed historically site-wide (0.0011 mg/L).

All measured concentrations of other metals were below NWB license limits for discharge to surface water for all locations, and were within the range of historical results (see Appendix A), with the exception of dissolved Pb at MW-08-02. However, the value for this analyte was more than 200x higher than the value for total Pb, suggesting a sampling, measurement or reporting error.

Results for salinity-related parameters are discussed in Section 6.2, below.

Table 2. Results of groundwater monitoring for all stations in 2014. MW-08-03 was dry and could not be sampled. * - field measurement. ¹ - total metals value. ² - average of duplicate samples.

Parameter	Units	NWB Grab Limit	MW-08-02	ST-GW-14-01 ²	ST-GW-4
Alkalinity	mg CaCO ₃ /L	-	147	182	87
Ammonia			<0.01	0.02	0.06
Chloride	mg/L	2000	287	1777	40.4

Parameter	Units	NWB Grab Limit	MW-08-02	ST-GW-14-01 ²	ST-GW-4
Total Cyanide	mg/L	1	<0.005	0.146	<0.005
Free Cyanide	mg/L		<0.01		<0.01
Hardness	mg CaCO ₃ /L	-	299	2360 ²	213
Fluoride	mg/L	-	<0.02	0.41	0.87
Nitrate	mg N/L	40	<0.01	0.02	11.7
Nitrite	mg N/L	-	0.03	<0.01	1
pH*		6 - 9	8.11	7.9	7.84
Total Dissolved Solids	mg/L	-	843	3152	418
Sulphate	mg SO ₄ /L	-	12.9	460	159
Turbidity*	NTU	-	14.5	16.7	36.4
Metals					
Aluminum	mg/L	1	0.029	0.006	0.014
Silver	mg/L	-	<0.0001	<0.0001	<0.0001
Arsenic	mg/L	0.6 ¹	0.0026 0.0025 ¹	0.0885 0.1520 ¹	0.003
Barium	mg/L	-	0.0526	0.6110	0.0323
Cadmium	mg/L	0.004 ¹	0.00012	0.00006	<0.00002
Copper	mg/L	0.2 ¹	<0.0005 0.0152 ¹	0.01485 0.0176 ¹	0.0011
Iron	mg/L	-	0.02	0.575	<0.01
Mercury	mg/L	0.0008 ¹	<0.0001	0.0002	<0.0001
Molybdenum	mg/L	-	0.0273	0.0148	0.0191
Nickel	mg/L	0.4 ¹	0.0045 0.0043 ¹	0.0378 0.0427 ¹	0.0172
Lead	mg/L	0.2 ¹	0.526 0.0019 ¹	0.0006 0.0016 ¹	<0.0003
Selenium	mg/L	-	0.011	0.057	0.002
Thallium	mg/L	-	<0.005	<0.005	<0.005
Zinc	mg/L	0.8 ¹	0.033 0.045 ¹	0.0435 0.05 ¹	0.001

6.2 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 2014 results are consistent with past values. Values were elevated at MW-14-01 compared to other stations, likely due to the addition of salt water to this well during installation as discussed previously.

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
	ST-GW-04	Ultramafic/Int Volcanic/Iron Formation	2014	418	719	40.4
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
			2014	843	1006	287
	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
	MW-14-01	Int Volcanic	2014 ²	3152	5030	1777

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

6.3 QAI/QC

Relative percent difference (RPD) values calculated from the duplicated pair of results are provided in Table 4. Only total cyanide had an RPD higher than 20% (62%), but both results were at more than 5x lower than the NWB limit for discharge to surface water.

Table 4. Relative percent difference values or +/- MDL values (*) for duplicated samples in 2014.

Parameter	Units	ST-GW-14-01	ST-GW-14-01 DUP	RPD (%)
Alkalinity	mg CaCO ₃ /L	182	182	0
Chloride	mg/L	1877	1677	11
Total Cyanide	mg/L	0.191	0.101	62
Hardness	mg CaCO ₃ /L	2358	2361	0
Fluoride	mg/L	0.4	0.41	2
Nitrate	mg N/L	0.02	0.02	0*
Nitrite	mg N/L	<0.01	<0.01	0*
pH	-	7.9	-	-
Dissolved Solids	mg/L	3212	3092	4
Sulphate	mg SO ₄ /L	450	470	4
Turbidity	NTU	16.69	-	-

7 CONCLUSIONS

Currently, two monitoring wells on the Meadowbank site are able to provide samples at the intended depth (MW-08-02 and MW-14-01). One other well can occasionally be sampled with considerable effort to melt a portion of the ice bridge (MW-08-03). Efforts will continue in 2015 to remove this blockage with steam, rather than saline solution, since the use of this solution impacted sample results in 2013 despite significant purging. The remaining well (MW-11-02) is not able to be sampled, because purging material is lodged in the well. Attempts will be made to recover the material in 2015.

The collection of samples from production drill holes was not successful in 2014. AEM is of the opinion that this program is still feasible and will pursue sampling opportunities in 2015 (as recommended in Golder, 2012). The collection of samples from a pit wall seeps has not proven successful because parameters are indicative of surface water. AEM will discontinue pit wall seep sampling in 2015. However, the sump in Goose Pit was determined to be representative of groundwater (identified as a talik due to consistently wet ground and lack of permafrost), and was sampled in 2014. Sampling will continue at this location in 2015.

Overall, concentrations of salinity-related parameters in samples collected from the existing well (MW-08-02) in 2014 were within the range of those observed historically. Parameters indicative of tailings movement into groundwater (total cyanide and copper) were well below NWB license limits, and were similar to historical results, indicating no measured movement of water from the TSF into groundwater at this location.

While concentrations of salinity-related parameters were elevated at the new well (ST-GW-14-01), this was likely related to salt water addition during installation. Concentrations of total cyanide in this location were also elevated compared to previous results for a nearby well, although values were still more than 5x lower than NWB license limits for discharge to surface water. These parameters will continue to be monitored in 2015, with additional sampling efforts (spring and fall events) to track trends.

Concentrations of all parameters at the Goose Pit sump (ST-GW-04) were similar to or lower than values observed in other locations, with the exception of some blasting-related analytes (e.g. nitrate, 11 mg/L). However, this value was still well below the NWB limit for discharge to surface water (40 mg/L), as were all other results.

8 ACTIONS

The following actions were planned for 2014. AEM's responses are indicated below each action.

- AEM will replace well MW-11-02 in a similar location downstream from the Tailings Storage Facility within the inferred groundwater flow path.
 - o Completed by the installation of well MW-14-01
- 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).
 - o Due to scheduling restrictions, monitoring well work could only be conducted in August in 2014, and the well was dry.
- 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.
 - o Completed, and added Goose Pit sump to the program as a groundwater source
- AEM will also continue to sample any groundwater seeps noted from pit walls in Goose and Portage pits.
 - o No groundwater seeps from pit walls were encountered. This program will be discontinued.

The following actions are planned for 2015.

- AEM will attempt to recover Waterra tubing from well MW-11-02 or this well will be decommissioned.
- AEM will continue efforts to unthaw the ice bridge in MW-08-03 using a refined steam process in order to sample at this location.
- AEM will continue to pursue opportunities for sampling groundwater from production wells and /or pit sumps. The Goose pit sump (ST-GW-04) will be sampled 2x/yr.
- AEM will in particular continue to monitor concentrations of total cyanide and metals at GW-ST-14-01 in 2015, with an anticipated increase in sampling frequency to 2x/yr.

9 REFERENCES

Agnico Eagle Mines Ltd. (2014) Meadowbank Gold Project - Groundwater Monitoring Plan. January, 2014.

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

March 2015

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
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

March 2015

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 29-Sep-11	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	0.0038	0.0005	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	0.002	-	-	-	<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		-	-	-	0.53	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	0.1	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		-	-	-	0.001	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	0.1	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		22.5	25.8	0.05	23.4	24.3	35.1	7.76	7.92	16.1
Manganese	mg/L	0.2	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	0.005	<0.0001	<0.0001	<0.00005	<0.00005	<0.00005	< 0.00025
Sodium	mg/L		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	0.01	<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		-	-	-	<0.001	<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	0.005	-	-	-	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	16	<0.01	<0.01	0.01	-	-	-	0.003	0.004	0.002
Ammonia Nitrogen	mg/L		-	-	-	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

March 2015

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	6.0-9.0	249	250	-						-
pH	s.u.		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	0.5	0.053	0.059	-	-	-	-	-	<0.03	-
Antimony	mg/L		< 0.001	< 0.001	-	-	-	-	-	-	-
Arsenic	mg/L		< 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	-	-	-	-	-	-	-

March 2015

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	0.2	< 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	1.0	< 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

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.	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 °	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 °	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	0.002	<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	0.001	<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	0.001	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		-	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		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	15	-	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		<0.001	< 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		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	0.3	<0.001	0.0014	-	-	-	0.011	0.011	0.003
Iron	mg/L		<0.05	0.46	-	-	-	1.5	1.58	0.1
Lead ³	mg/L	0.2	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		0.11	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	0.5	0.003	0.0024	-	-	-	0.005	0.005	0.01
Phosphorus	mg/L		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		<0.0001	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		<0.0001	< 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		0.012	0.0088	-	-	-	0.0095	0.0097	0.0005
Vanadium	mg/L		<0.001	0.0002	-	-	-	0.002	0.002	0.001
Zinc	mg/L	0.5	<0.005	0.006	-	-	-	0.006	0.006	0.005
Zirconium	mg/L		<0.0010	< 0.002	-	-	-	< 0.01	< 0.01	0.001

March 2015

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	1000	<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	16	<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

March 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
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				-	-	
Hardness CaCO3*		mg/L		210	210	42	41	
Hardness (Total)		mg/L				167	165	
Total Suspended Solids	TSS	mg/L	15	300	300	-	-	1
Total Dissolved Solids	TDS	mg/L		-	-	-	-	
Turbidity		NTU	15	650	690	263	259	1
				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	0.0005
Beryllium	Be	mg/L		-	-	-	-	
Bismuth	Bi	mg/L	0.3	-	-	-	-	
Boron	B	mg/L		-	-	-	-	
Cadmium ³	Cd	mg/L		<0.001	<0.001	0.00004	<0.00002	0.00002
Calcium	Ca	mg/L		71	69	49.7	49.2	0.03
Chromium ²	Cr	mg/L		-	-	-	-	
Cobalt	Co	mg/L	0.2	-	-	-	-	
Copper ³	Cu	mg/L		<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		<0.001	<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	0.00001
Molybdenum	Mo	mg/L		<0.03	<0.03	<0.0005	<0.0005	0.0005
Nickel ³	Ni	mg/L		0.05	0.04	0.0087	0.0065	0.0005
Phosphorus	P	mg/L	0.5	-	-	-	-	
Potassium	K	mg/L		7.7	7.7	1.9	2.0	0.05
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	0.5	58	58	10.5	10.3	0.05
Strontium	Sr	mg/L		-	-	-	-	
Tellurium	Te	mg/L		-	-	-	-	
Thallium	Tl	mg/L		<0.01	0.01	<0.005	<0.005	0.005
Thorium	Th	mg/L		-	-	-	-	
Tin	Sn	mg/L	0.5	-	-	-	-	
Titanium	Ti	mg/L		-	-	-	-	
Uranium	U	mg/L		-	-	-	-	
Vanadium	V	mg/L		-	-	-	-	
Zinc	Zn	mg/L		<0.003	0.005	0.024	0.019	0.001
Zirconium	Zr	mg/L		-	-	-	-	

March 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		-	-	-	-	
Bismuth	Bi	mg/L		-	-	-	-	
Boron	B	mg/L		-	-	-	-	
Cadmium	Cd	mg/L	0.002	<0.001	<0.001	<0.005	<0.005	0.005
Calcium	Ca	mg/L		68	73	42.8	43.4	0.05
Chromium ²	Cr	mg/L		-	-	-	-	
Cobalt	Co	mg/L		-	-	-	-	
Copper	Cu	mg/L	0.1	<0.003	<0.003	0.008	0.010	0.005
Iron	Fe	mg/L		0.2	0.2	<0.05	<0.05	0.05
Lead	Pb	mg/L	0.1	<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		0.18	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	0.2	0.05	0.05	<0.005	<0.005	0.005
Phosphorus	P	mg/L		-	-	-	-	
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	<0.005	<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
Thorium	Th	mg/L		-	-	-	-	
Tin	Sn	mg/L		-	-	-	-	
Titanium	Ti	mg/L		-	-	-	-	
Uranium	U	mg/L		-	-	-	-	
Vanadium	V	mg/L		-	-	-	-	
Zinc	Zn	mg/L	0.4	<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		mg/L		-	-	<0.005	-	0.005
Free		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							Method Detection Limit	
				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	1-Sep-10	
FIELD-MEASURED PARAMETERS												
Temperature		°C	6.0 - 9.0	7.3	-	4.6	-	-	9.2	-		
pH		s.u.		7.05	-	7.79	-	-	7.87	-		
Conductivity		uS/cm		808	-	616	-	-	690	-		
LABORATORY PARAMETERS												
pH	as CaCO ₃	s.u.	6.0 - 9.0	8.00	8.10	7.95	7.96	-	7.74	7.75	-	
Conductivity		uS/cm		-	-	-	710	-	-	-	0.001	
Total Cyanide		mg/L		-	-	-	-	-	-	-	-	-
Total Alkalinity		mg/L		76	76	-	76	-	80	80	2	
Bicarbonate Alkalinity HCO ₃ (mg/L)		mg/L		76	76							
Carbonate Alkalinity CO ₃ (mg/L)		mg/L		<2	<2							
Dissolved Sulphate	SO ₄	mg/L		2.5	2.0	3.0	2.9	3.0	-	-	0.2	
Hardness (Total)	as CaCO ₃	mg/L		240	230	240	850	-	220	220	1	
Sulphate	SO ₄	mg SO ₄ /L										
Total Suspended Solids	TSS	mg/L	15	-	-	-	-	-	-	-	2	
Total Dissolved Solids	TDS	mg/L		500	520	530	510	-	450	490	10	
Turbidity	NTU	NTU	15	2.4	2.4	2.2	2.2	-	4	3.9	0.1	
Total Metals (mg/L)												
Aluminum	Al	mg/L	1.5	-	-	-	-	-	<0.03	<0.03	0.03	
Antimony	Sb	mg/L		-	-	-	-	-	<0.006	<0.006	0.006	
Arsenic	As	mg/L		0.3	-	-	-	-	0.003	0.003	0.002	
Barium	Ba	mg/L		-	-	-	-	-	0.03	0.04	0.03	
Cadmium	Cd	mg/L	0.002	-	-	-	-	-	<0.001	<0.001	0.001	
Calcium	Ca	mg/L		-	-	-	-	-	45	45	1	
Chromium	Cr	mg/L		-	-	-	-	-	0.03	<0.03	0.03	
Cobalt	Co	mg/L		-	-	-	-	-	<0.03	<0.03	0.03	
Copper	Cu	mg/L	0.1	-	-	-	-	-	<0.003	<0.003	0.003	
Iron	Fe	mg/L		-	-	-	-	-	-	-		
Lead	Pb	mg/L	0.1	-	-	-	-	-	<0.001	<0.001	0.001	
Magnesium	Mg	mg/L		-	-	-	-	-	26	26	1	
Manganese	Mn	mg/L		-	-	-	-	-	0.042	0.044	0.003	
Mercury	Hg	mg/L	0.0004	-	-	-	-	-	<0.0001	<0.0001	0.001	
Molybdenum	Mo	mg/L		-	-	-	-	-	0.05	0.05	0.03	
Nickel	Ni	mg/L	0.2	-	-	-	-	-	0.01	<0.01	0.01	
Potassium	K	mg/L		-	-	-	-	-	-	-		
Selenium	Se	mg/L		-	-	-	-	-	<0.001	<0.001	0.001	
Silver	Ag	mg/L		-	-	-	-	-	<0.0003	<0.0003	0.0003	
Sodium	Na	mg/L		-	-	-	-	-	32	32	0.03	
Thallium	Tl	mg/L		-	-	-	-	-	-	-		
Zinc	Zn	mg/L	0.4	-	-	-	-	-	0.01	0.01	0.005	
Dissolved Metals (mg/L)												
Aluminum	Al	mg/L	1.5	0.0046	0.00487	<0.03	<0.03	-	-	-	0.03	
Arsenic	As	mg/L	0.3	0.0035	0.0035	0.003	<0.002	-	-	-	0.002/0.001	
Barium	Ba	mg/L		0.045	0.043	0.04	<0.03	-	-	-	0.030	
Cadmium	Cd	mg/L	0.002	<0.0002	<0.0002	<0.001	<0.001	-	-	-	0.001/0.0002	
Calcium	Ca	mg/L		50	48	51	340	-	-	-	1	
Copper	Cu	mg/L	0.1	0.00056	0.0011	<0.003	<0.003	-	-	-	0.003	
Iron	Fe	mg/L		<0.03	<0.03	<0.1	<0.1	-	-	-	0.03	
Lead	Pb	mg/L	0.1	<0.0001	0.00027	<0.001	<0.001	-	-	-	0.0001/0.001	
Magnesium	Mg	mg/L		27	27	27	<1	-	-	-	1	
Manganese	Mn	mg/L		0.03	0.031	<0.003	<0.003	-	-	-	0.003	
Mercury	Hg	mg/L	0.0	<0.00001	<0.00001	<0.0001	<0.0001	-	-	-	0.00001/0.0001	
Molybdenum	Mo	mg/L		0.026	0.025	0.07	0.04	-	-	-	0.0005/0.03	
Nickel	Ni	mg/L	0.2	0.019	0.019	<0.01	<0.01	-	-	-	0.01/0.001	
Potassium	K	mg/L		1.8	1.5	2	1.3	-	-	-	0.1	
Selenium	Se	mg/L		<0.001	<0.001	<0.001	<0.001	-	-	-	0.001	
Silver	Ag	mg/L		<0.0001	<0.0001	<0.0003	<0.0003	-	-	-	0.0001/0.0003	
Sodium	Na	mg/L		-	-	36	24	-	-	-	0.03	
Thallium	Tl	mg/L		<0.002	<0.002	<0.01	<0.01	-	-	-	0.002	
Zinc	Zn	mg/L	0.4	0.014	0.014	0.005	<0.003	-	-	-	0.005	
Anions (mg/L)												
Fluoride	F	mg/L		0.2	0.2	0.3	0.3	-	0.3	0.3	0.1	
Chloride	Cl	mg/L	1000	160	180	160	160	180	160	160	0.05	
Nutrients (mg/L)												
Nitrate and Nitrite	NO ₃ + NO ₂	mg/L		<0.1	<0.1	<0.04	<0.04	<0.04	-	-	0.4	
Nitrate	NO ₃	mg/L	20	-	-	<0.02	<0.02	<0.02	-	-	0.4	
Nitrite	NO ₂	mg/L		<0.1	<0.1	<0.02	<0.02	<0.02	-	-	0.02	
Ammonia	N	mg/L	16	<0.05	0.05	0.05	0.05	-	0.06	0.06	0.02	

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				Method Detection Limit	Intermediate Volcanic Second Portage Lake MW08-02			
			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	V-29241 28-Aug-13	V-29242 28-Aug-13 FD	V-37639 20-Aug-14
FIELD-MEASURED PARAMETERS											
Temperature		°C		8.6	-	20.5	-		2.2		
pH		s.u.	6.0 - 9.0	8.05	-	7.94	-		7.98		8.11
Conductivity		uS/cm		905	-	616	-		842	126	1006
LABORATORY PARAMETERS											
pH		s.u.	6.0 - 9.0	7.22	7.39	7.81	7.59	--	7.57	7.64	
Conductivity		uS/cm		-	-	-	-		-		
Total Cyanide		mg/L				<0.005	<0.005	0.005	0.009	<0.005	<0.005
Total Alkalinity	as CaCO ₃	mg/L		76	76	102	100	2	105	105	147
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		317	305	170	178	1	324	310	299
Sulphate	SO ₄	mg SO ₄ /L		4	8	5	3	1	5.8	6	12.9
Total Suspended Solids	TSS	mg/L	15			2	4	1	57	62	-
Total Dissolved Solids	TDS	mg/L							399	423	843
Turbidity		NTU	15	3.2	2.3	8.4	7	0.02	59.1	41.5	14.5
Total Metals (mg/L)											
Aluminum	Al	mg/L	1.5	0.03	<0.006	0.006	<0.006	0.006	-	-	-
Antimony	Sb	mg/L		-	-	-	-	-	-	-	-
Arsenic	As	mg/L	0.3	0.0023	0.0020	<0.0005	<0.0005	0.0005	-	-	0.0025
Barium	Ba	mg/L		0.043	0.0370	0.0313	0.0311	0.0005	-	-	-
Cadmium	Cd	mg/L	0.002	<0.00002	<0.00002	<0.00002	<0.00002	0.00002	-	-	-
Calcium	Ca	mg/L		63.1	54.2	35.5	37.4	0.03	-	-	-
Chromium	Cr	mg/L		-	-	-	-	-	-	-	-
Cobalt	Co	mg/L		-	-	-	-	-	-	-	-
Copper	Cu	mg/L	0.1	0.0014	0.0008	<0.0005	<0.0005	0.0005	-	-	0.0152
Iron	Fe	mg/L		1.4	1.4	1.2	1.1	0.01	-	-	-
Lead	Pb	mg/L	0.1	<0.0003	<0.0003	<0.0003	<0.0003	0.0003	-	-	0.0019
Magnesium	Mg	mg/L		38.9	38.0	19.8	20.6	0.02	-	-	-
Manganese	Mn	mg/L		0.1338	0.1213	0.133	0.1362	0.0005	-	-	-
Mercury	Hg	mg/L	0.0004	0.00009	0.0001	0.00012	0.0002	0.00001	-	-	-
Molybdenum	Mo	mg/L		0.0016	<0.0005	0.0522	0.053	0.0005	-	-	-
Nickel	Ni	mg/L	0.2	0.0046	0.0037	0.0017	0.002	0.0005	-	-	0.0043
Potassium	K	mg/L		2.1	2.0	2.5	2.6	0.05	-	-	-
Selenium	Se	mg/L		0.005	0.005	0.004	0.006	0.001	-	-	-
Silver	Ag	mg/L		<0.0002	<0.0002	<0.0002	<0.0002	0.0002	-	-	-
Sodium	Na	mg/L		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	0.01	0.375	0.005	0.004	0.001	-	-	0.045
Dissolved Metals (mg/L)											
Aluminum	Al	mg/L	1.5	<0.01	<0.01	<0.01	<0.01	0.01	0.71	-	0.03
Arsenic	As	mg/L	0.3	<0.005	<0.005	<0.005	<0.005	0.005	<0.0005	-	0.003
Barium	Ba	mg/L		0.041	0.0410	0.0250	0.0240	0.005	0.042	-	0.053
Cadmium	Cd	mg/L	0.002	<0.005	<0.005	<0.005	<0.005	0.005	0.00004	-	0.00012
Calcium	Ca	mg/L		59.9	61	39.1	36.9	0.05	-	-	-
Copper	Cu	mg/L	0.1	<0.005	<0.005	<0.005	<0.005	0.005	0.033	-	<0.0005
Iron	Fe	mg/L		<0.05	<0.05	<0.05	<0.05	0.05	0.02	-	0.020
Lead	Pb	mg/L	0.1	<0.005	<0.005	<0.005	<0.005	0.005	0.0011	-	0.563
Magnesium	Mg	mg/L		35.6	35.5	21.6	20.2	0.05	-	-	-
Manganese	Mn	mg/L		0.107	0.110	0.134	0.128	0.005	-	-	0.153
Mercury	Hg	mg/L	0.0	<0.0005	<0.0005	<0.0005	<0.0005	0.0005	<0.0001	-	<0.0001
Molybdenum	Mo	mg/L		<0.005	<0.005	0.046	0.043	0.005	0.0186	-	0.027
Nickel	Ni	mg/L	0.2	<0.005	<0.005	<0.005	<0.005	0.005	0.005	-	0.005
Potassium	K	mg/L		2.3	2.4	2.1	1.9	0.05	-	-	-
Selenium	Se	mg/L		0.005	0.005	<0.005	<0.005	0.005	0.006	-	0.011
Silver	Ag	mg/L		<0.005	<0.005	<0.005	<0.005	0.005	<0.0001	-	<0.0001
Sodium	Na	mg/L		44	44.2	25.0	23.3	0.05	-	-	-
Thallium	Tl	mg/L		<0.01	<0.01	<0.01	<0.01	0.01	-	-	<0.005
Zinc	Zn	mg/L	0.4	<0.005	0.013	<0.005	<0.005	0.005	0.018	-	0.033
Anions (mg/L)											
Fluoride	F	mg/L		0.32	0.33	0.42	0.37	0.02	0.36	0.37	<0.02
Chloride	Cl	mg/L	1000	169	165	111	109	0.5	126	127	287
Nutrients (mg/L)											
Nitrate and Nitrite	NO ₃ + NO ₂	mg/L		0.01	<0.01	-	-		-	-	-
Nitrate	NO ₃	mg/L	20	0.01	<0.01	0.04	0.04	0.01	0.22	0.26	<0.01
Nitrite	NO ₂	mg/L		<0.01	<0.01	<0.01	<0.01	0.01	0.06	0.06	0.03
Ammonia	N	mg/L	16	0.08	0.07	0.2	0.22	0.01	-	-	<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		Method Detection Limit 14-Sep-08	Intermediate Volcanic Second Portage Lake	Intermediate Volcanic Second Portage Lake	Intermediate Volcanic Second Portage Lake		
			MW08-03			MW08-03	ST-GW-1s	ST-GW-14-01		
			F66637 14-Sep-08	F68088 14-Sep-08 FD		V-29999 23-Sep-13	V-30844 23-Oct-13	V-39530 20-Oct-14	V-39531 20-Oct-14 FD	
FIELD-MEASURED PARAMETERS										
Temperature		°C		5.0	-		9.6	-	-	-
pH		s.u.	6.0 - 9.0	7.10	-		6.92	-	7.9	-
Conductivity		uS/cm		366	-		644	-	5.03 S/m	-
LABORATORY PARAMETERS										
pH		s.u.	6.0 - 9.0	8.10	8.20	--	6.59	-	-	-
Conductivity	as CaCO ₃	uS/cm		490	480	0.001	-	-	-	-
Total Cyanide		mg/L				0.005	44	<0.005	0.191	0.101
Total Alkalinity		mg/L	60	59	2		103	182	182	
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		180	180		2571	121	2358	2361
Sulphate	SO4	mg SO4/L					3.4	14.6	450	470
Total Suspended Solids	TSS	mg/L	15	56	54	2	3	-	-	-
Total Dissolved Solids	TDS	mg/L		-	-		2408	203	3212	3092
Turbidity		NTU	15	70	69	0.1	11.4	-	-	-
Total Metals (mg/L)										
Aluminum	Al	mg/L	1.5	-	-	-	-	-	-	-
Antimony	Sb	mg/L		-	-	-	-	-	-	-
Arsenic	As	mg/L	0.3	-	-	-	-	-	0.1521	0.1518
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	-	-	-	-	-	0.0172	0.0179
Iron	Fe	mg/L		-	-	-	-	-	-	-
Lead	Pb	mg/L	0.1	-	-	-	-	-	<0.0003	0.0029
Magnesium	Mg	mg/L		-	-	-	-	-	-	-
Manganese	Mn	mg/L		-	-	-	-	-	-	-
Mercury	Hg	mg/L	0.0004	-	-	-	-	-	-	-
Molybdenum	Mo	mg/L		-	-	-	-	-	-	-
Nickel	Ni	mg/L	0.2	-	-	-	-	-	0.0415	0.0439
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	-	-	-	-	-	0.049	0.051
Dissolved Metals (mg/L)										
Aluminum	Al	mg/L	1.5	0.0046	0.0041	0.001	<0.006	0.053	<0.0006	<0.0006
Arsenic	As	mg/L	0.3	<0.001	<0.001	0.001	0.034	0.0053	0.0695	0.1075
Barium	Ba	mg/L		0.033	0.034	0.002	0.0579	0.0419	0.6186	0.6034
Cadmium	Cd	mg/L	0.002	<0.0002	<0.0002	0.0002	0.0007	0.00003	0.00003	0.00009
Calcium	Ca	mg/L		46	46	1	-	-	-	-
Copper	Cu	mg/L	0.1	0.003	0.0039	0.001	0.0287	<0.0005	0.0161	0.0136
Iron	Fe	mg/L		<0.03	<0.03	0.03	<0.01	<0.01	0.05	1.1
Lead	Pb	mg/L	0.1	0.00056	0.00027	0.0001	<0.0003	0.0051	0.0009	<0.0003
Magnesium	Mg	mg/L		17	16	1	-	-	-	-
Manganese	Mn	mg/L		0.32	0.32	0.0004	-	-	-	-
Mercury	Hg	mg/L	0.0	<0.00001	<0.00001	0.00001	<0.0001	<0.0001	<0.0001	0.0003
Molybdenum	Mo	mg/L		0.14	0.14	0.0005	0.0213	0.0165	0.0144	0.0152
Nickel	Ni	mg/L	0.2	<0.001	0.0017	0.001	0.0563	0.0317	0.0386	0.037
Potassium	K	mg/L		4.4	4.5	0.1	-	-	-	-
Selenium	Se	mg/L		<0.001	<0.001	0.001	0.137	0.0001	0.059	0.055
Silver	Ag	mg/L		<0.0001	<0.0001	0.0001	-	-	-	-
Sodium	Na	mg/L		-	-	-	-	-	-	-
Thallium	Tl	mg/L		<0.002	<0.002	0.002	<0.005	<0.005	<0.005	<0.005
Zinc	Zn	mg/L	0.4	0.004	0.0035	0.001	0.513	0.002	0.033	0.054
Anions (mg/L)										
Fluoride	F	mg/L		0.3	0.3	0.1	0.11	1.1	0.4	0.41
Chloride	Cl	mg/L	1000	3.3	3.6	0.05	2427	16.9	1877	1677
Nutrients (mg/L)										
Nitrate and Nitrite	NO3 + NO2	mg/L		27	27	0.4	-	-	-	-
Nitrate	NO3	mg/L	20	26	26	0.4	0.3	0.54	-	-
Nitrite	NO2	mg/L		1.1	1.2	0.02	0.35	<0.01	-	-
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.	IV/IF/UM Goose Island ST-GW-04 V-37486 17-Aug-14
FIELD-MEASURED PARAMETERS				
Temperature		°C		-
pH		s.u.	6.0 - 9.0	7.84
Conductivity		uS/cm		719
LABORATORY PARAMETERS				
pH		s.u.	6.0 - 9.0	-
Conductivity		uS/cm		-
Total Cyanide		mg/L		<0.005
Total Alkalinity	as CaCO ₃	mg/L		87
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		213
Sulphate	SO ₄	mg SO ₄ /L		159
Total Suspended Solids	TSS	mg/L	15	-
Total Dissolved Solids	TDS	mg/L		418
Turbidity		NTU	15	-
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	-
Dissolved Metals (mg/L)				
Aluminum	Al	mg/L	1.5	0.014
Arsenic	As	mg/L	0.3	0.003
Barium	Ba	mg/L		0.0323
Cadmium	Cd	mg/L	0.002	<0.00002
Calcium	Ca	mg/L		-
Copper	Cu	mg/L	0.1	0.0011
Iron	Fe	mg/L		<0.01
Lead	Pb	mg/L	0.1	<0.0003
Magnesium	Mg	mg/L		-
Manganese	Mn	mg/L		0.0602
Mercury	Hg	mg/L	0.0	<0.0001
Molybdenum	Mo	mg/L		0.0191
Nickel	Ni	mg/L	0.2	0.0172
Potassium	K	mg/L		-
Selenium	Se	mg/L		0.002
Silver	Ag	mg/L		<0.0001
Sodium	Na	mg/L		-
Thallium	Tl	mg/L		<0.005
Zinc	Zn	mg/L	0.4	0.001
Anions (mg/L)				
Fluoride	F	mg/L		0.087
Chloride	Cl	mg/L	1000	40.4
Nutrients (mg/L)				
Nitrate and Nitrite	NO ₃ + NO ₂	mg/L		-
Nitrate	NO ₃	mg/L	20	-
Nitrite	NO ₂	mg/L		-
Ammonia	N	mg/L	16	-

FD = Field duplicate

- Not analyzed

APPENDIX B

2014 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
16-08-2014		130 L		17.35						Steamed to 154.56 mbgs (blocked). Purged dry. Generator stopped working during evening; brought for maintenance.
18-08-2014		100 L	30.85	31						Generator working. Steamed and purged dry.
19-08-2014	13:30		14.8	30.8						
	15:00	100 L								Heat traces not working. Steamed and purged dry.
	18:30	20 L	94.6	120.7						
20-08-2014	07:00	25 L	32.5	120.5	3.1	517	366	241	7.91	
		40 L			2	1152	823	550	7.88	
		30 L			1.1	1067	755	498	8.06	
	12:45	15 L	81.2	100	1.8	1052	728	502	8.09	
	17:10	40 L			2.2	1006	679	473	8.11	Sample taken at 100 m.

[illegible]

21-08-2014											Well dry, blocked at 168.8 m.
------------	--	--	--	--	--	--	--	--	--	--	-------------------------------

MW-14-01											
Date	Hr	Bottom (m)	Water level (m)	Purge Volume (L)	Purge Total (L)	pH	Temp. (°C)	Cond. (S/cm)	Salt (ppt)	TDS (ppt)	Comments
2014-10-15	17:00	95.2	12.2	80L	80L	7.6	6.5	Or	Or	Or	Salt was added during installation to avoid freezing (Or = over range)
2014-10-16	10:00	95	12.1	80L	160L	7.67	4.6	Or	Or	Or	
	11:30			30L	190L	7.8	7.7	Or	Or	Or	
	14:30			40L	230L	7.69	8.5	18.56	Or	Or	
	16:15			40L	270L	7.61	8.9	17.27	9.57	Or	
	18:00			40L	310L	7.68	7.1	14.33	7.93	Or	
2014-10-17	8:00	95.06	11.11	60L	370L	7.79	4.3	13.33	6.85	9.26	
	10:00			40L	410L	7.76	6	11.43	6.05	8.10	
	12:00			40L	450L	7.77	6.6	10.36	5.45	7.25	
	14:00			40L	490L	7.86	5.7	9.56	5.03	6.77	
	16:00			40L	530L	7.72	6	8.97	4.65	6.28	
	16:20			40L	570L	7.82	5.4	8.71	4.53	6.09	
	16:45			30L	600L	8.08	5.5	8.28	4.34	5.81	
	17:00			25L	625L	7.94	5	7.91	4.04	5.58	
	18:00			40L	665L	8	4.8	7.87	4.03	5.49	
2014-10-18	8:00	95	10.8	80L	745L	8.14	4	8.16	4.19	5.77	
	10:00			30L	775L	8.06	5	7.48	3.76	5.16	
	12:00			40L	815L	7.79	5.6	7.00	3.58	4.88	
	13:00			40L	855L	7.7	6	6.72	3.45	4.72	
	14:00			40L	895L	7.81	5.9	6.58	3.39	4.63	

AEM Meadowbank Mine
2014 Groundwater Monitoring report

	15:00			30L	925L	7.79	5.7	6.68	3.44	4.69	
	16:00			30L	955L	7.86	5.4	6.45	3.34	4.58	
	17:00			30L	985L	7.79	5.7	6.22	3.22	4.41	
	18:00			40L	1025L	7.89	5.3	6.35	3.22	4.39	
2014-10-19	7:30	95.05	10.75	50L	1075L	7.81	5.8	5.79	2.92	4.05	
	10:50			30L	1105L	7.86	6.3	6.25	3.16	4.33	
	11:10			25L	1130L	7.91	5.6	6.14	3.17	4.34	
	12:00			30L	1160L	7.83	5.5	5.69	2.90	3.98	
	13:00			35L	1195L	7.82	6.4	5.24	2.69	3.71	
	14:00			25L	1220L	7.78	4	5.48	2.75	3.88	
	15:25			30L	1250L	7.78	3.3	5.13	2.57	3.58	
	16:00			30L	1280L	7.8	4	5.23	2.65	3.67	
	17:00			30L	1310L	7.82	5	4.94	2.57	3.50	
	18:30			40L	1350L	7.93	4	4.89	2.46	3.53	
2014-10-20	08:00										Sample taken, no special color.
	10:00					7.9	5.5	5.03	2.54	3.50	

Appendix C

Well Installation Log (MW-14-01)

Groundwater Well Installation Log - MW-14-01

Well MW11-02 was installed on the west side of the South Cell Tailing Storage Facility (14W 638125 7214802) in 2011 to monitor shallow groundwater quality below the basin where tailings are deposited. Well MW11-02 became obstructed during the 2012 monitoring program and could not be sampled. Attempts were made in 2013 to remove the material, but these were unsuccessful. This well was replaced in September 2014 with well MW-14-01. Well MW-14-01 was, installed on the east side of the Central Dike, at the South end of the downstream toe (see Figure 1, 2014 Groundwater Monitoring Report).

Well Purpose

Groundwater data is used to predict the chemistry of water accumulating in open pits (especially salinity as TDS, conductivity and chloride), and to determine any effects of mining on groundwater quality, particularly with respect to tailings deposition. To this end, groundwater monitoring wells have been installed to sample talik water (unfrozen ground beneath large lakes) in areas where through taliks exist. Also, there is an inferred fault in this area (Golder, 2008) which could provide enough water for sampling. Well ST-GW-14-01 was located with input from Golder and is considered to be in a location that will assist in assessing whether mining activity has had an effect on groundwater quality. See section 3.0 below.

Well Location

The new well is located between the Central dike and the West road. This will allow the well to be used for groundwater monitoring during the filling of the South cell tailings pond and during closure. The well is easily accessible and will not be affected by mining operations. The coordinates are 14W 638750 7214445.61 the hole angle is 73 degrees and the elevation is 119 m.

Team Involved

The well was installed by a licensed drilling contractor and an AEM Senior Environmental Technician experienced in monitoring well installation was present during well development. Once the desired depth was reached, two AEM electricians installed heat tracing cables.

Drilling Methods

The borehole was drilled using standard HQ size coring for the installation of the well. Water brought from the mine water truck was used as drilling fluid during drilling. The borehole was cased with HW casing through the overburden and into the first few meters of fractured bedrock (from surface to 25.5 meter depth).

Well Installation Description

MW-14-01 was constructed with 1.25 inch (3.2 cm) diameter, schedule 40 stainless steel pipe and 1.25 inch (3.2 cm) diameter slotted stainless steel screen. Filtering number 10 sand was used to surround the screen and the lower part of the casing. This was followed with bentonite to plug the bottom of the annular space and prevent surface water from entering the well. The remaining part of

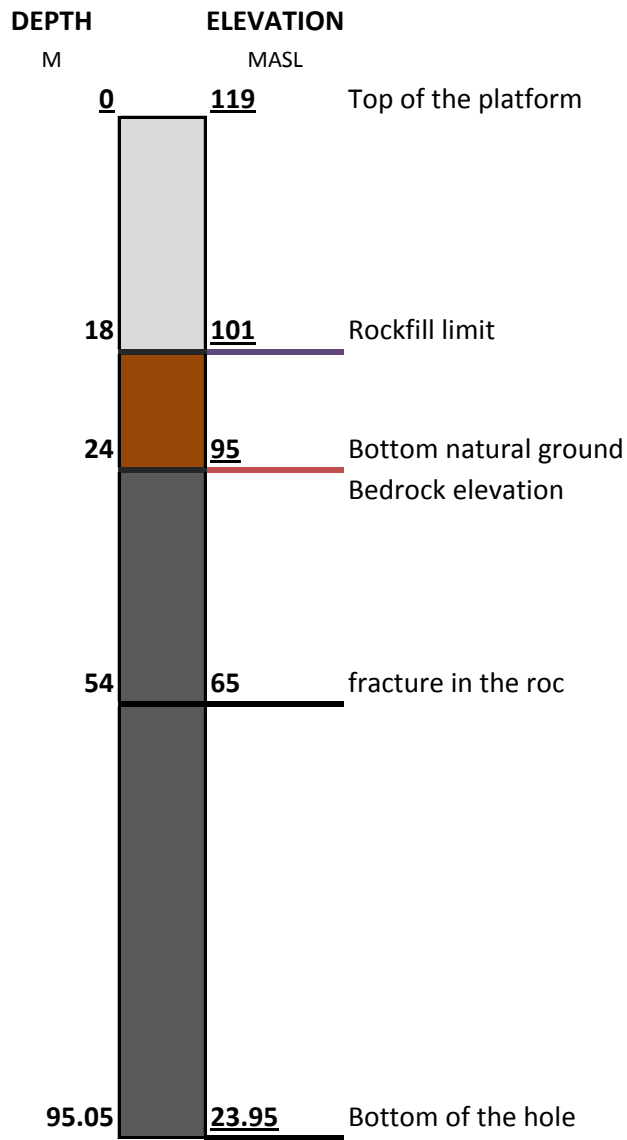
the annular space was filled with grouting, a mixture of concrete and bentonite. Heat tracing was attached all along the casing to allow the melting of ice when sampling is required.

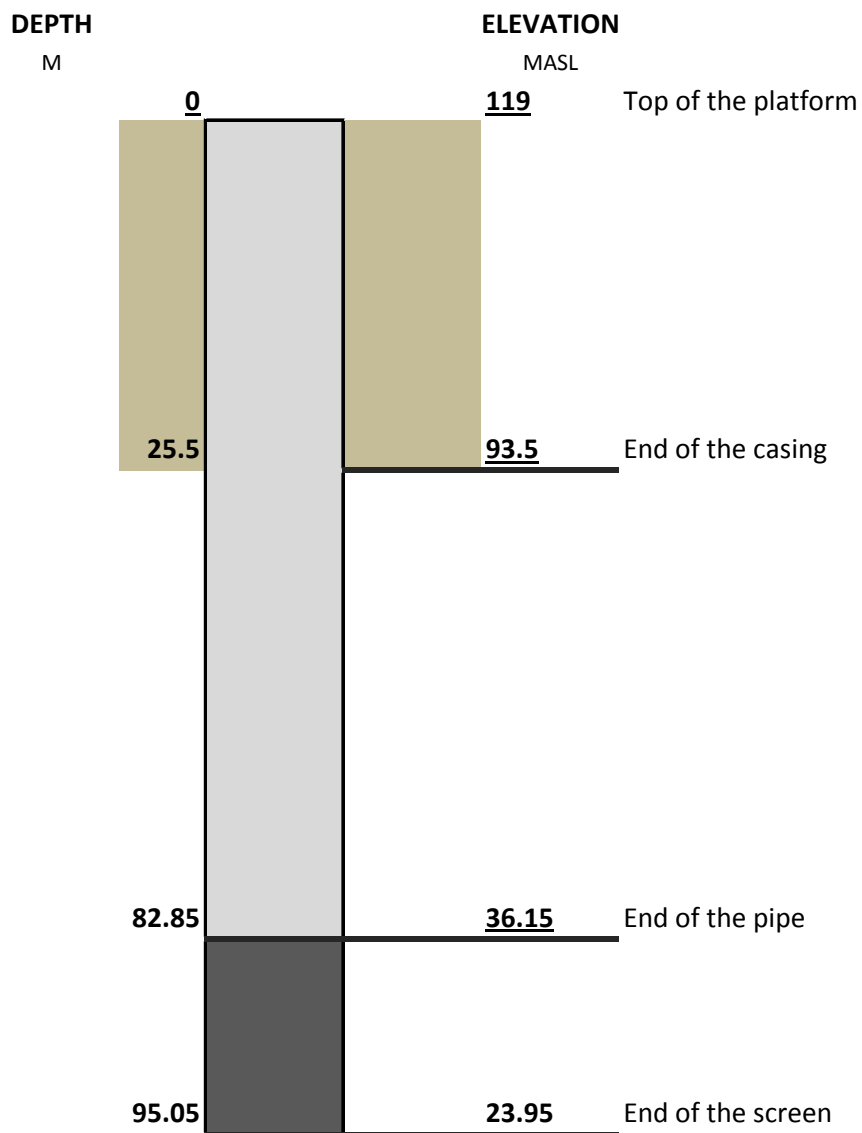
Well Profile Section

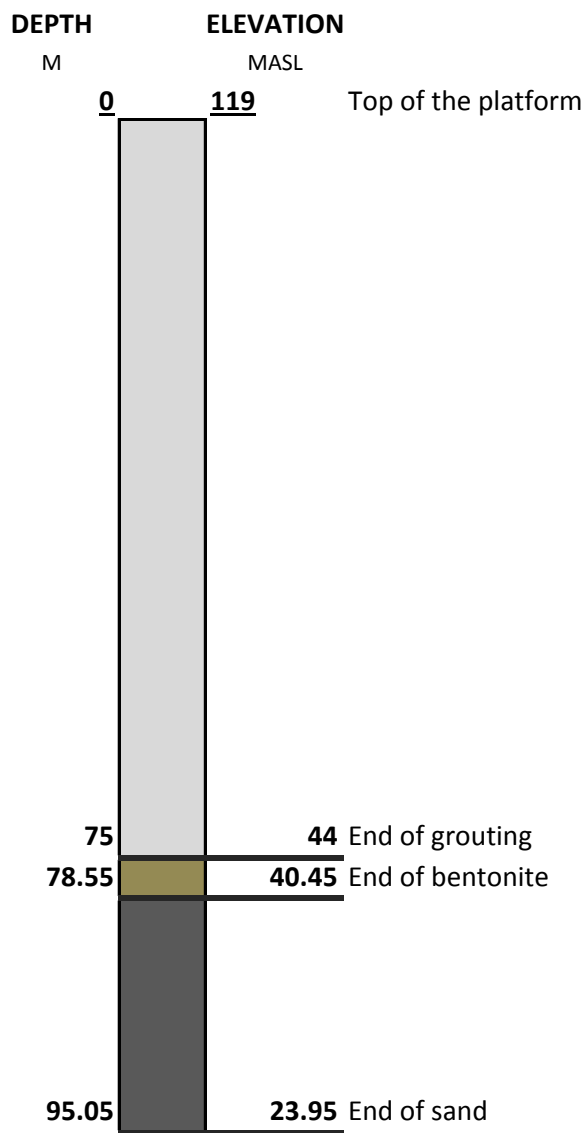
A diagram of the well profile is provided in Figure 1.

Difficulties Encountered

Few difficulties were encountered during drilling and installation of well MW-14-01. During the drilling, at app. 54 meters depth, a suspected fault or altered zone in the rock was encountered. A blockage at that depth occurred which prevented the well equipment from being lowered.. The drilling equipment was put back in to clear the hole. Once this was completed the casing was placed to well depth.







Appendix D

Laboratory Reports

Analytical Report

Company: **Agnico Eagle Division Meadowbank**

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

Lab number: V-37486

Sampling location: BG Sump

Sampling date: August 17, 2014

Sample name: GW-BG-Sump

Sampling hour: 18:00

Sampled by: Tom Thomson

Date received: August 19, 2014

Matrix: Waste Water

Drinking water distribution:

Reported on: August 26, 2014

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-37486

Sample name: GW-BG-Sump

Sampling location: BG Sump

Sampling date: August 17, 2014

Sampling hour: 18:00

Parameter	Result	Method name	Analysis date
Alkalinity	87 mg CaCO ₃ /L	M-TIT-1.0	August 19, 2014
Dissolved Aluminium (Al)	0.014 mg/L	Sous-traitance\Multilab Direct	August 22, 2014
Dissolved Silver (Ag)	<0.0001 mg/L	Sous-traitance\Multilab Direct	August 22, 2014
Arsenic (As)	0.0043 mg/L	Sous-traitance\Multilab Direct	August 22, 2014
Dissolved Arsenic (As)	0.003 mg/L	Sous-traitance\Multilab Direct	August 22, 2014
Dissolved Barium (Ba)	0.0323 mg/L	Sous-traitance\Multilab Direct	August 22, 2014
Dissolved Cadmium (Cd)	<0.00002 mg/L	Sous-traitance\Multilab Direct	August 22, 2014
Chloride	40.4 mg/L	Sous-traitance\Multilab Direct	August 22, 2014
Copper (Cu)	0.0016 mg/L	Sous-traitance\Multilab Direct	August 25, 2014
Dissolved Copper (Cu)	0.0011 mg/L	Sous-traitance\Multilab Direct	August 22, 2014
Total Cyanide (CNT)	<0.005 mg/L	M-CN-1.0	August 25, 2014
Hardness	213 mg CaCO ₃ /L	Sous-traitance\Multilab Direct	August 22, 2014
Dissolved Iron (Fe)	<0.01 mg/L	Sous-traitance\Multilab Direct	August 22, 2014
Fluoride (F)	0.87 mg/L	Sous-traitance\Multilab Direct	August 22, 2014
Dissolved Manganese (Mn)	0.0602 mg/L	Sous-traitance\Multilab Direct	August 22, 2014
Dissolved Mercury (Hg)	<0.0001 mg/L	Sous-traitance\Multilab Direct	August 21, 2014
Dissolved Molybdenum (Mo)	0.0191 mg/L	Sous-traitance\Multilab Direct	August 22, 2014
Ammonia NH ₃ (non-ionized)	0.06 mg N/L	Sous-traitance\Multilab Direct	August 21, 2014
Nickel (Ni)	0.0230 mg/L	Sous-traitance\Multilab Direct	August 22, 2014
Dissolved Nickel (Ni)	0.0172 mg/L	Sous-traitance\Multilab Direct	August 22, 2014
Nitrate (NO ₃)	11.7 mg N/L	Sous-traitance\Multilab Direct	August 20, 2014
Nitrite (NO ₂)	1.0 mg N/L	Sous-traitance\Multilab Direct	August 20, 2014
Lead (Pb)	<0.0003 mg/L	Sous-traitance\Multilab Direct	August 25, 2014
Dissolved Lead (Pb)	<0.0003 mg/L	Sous-traitance\Multilab Direct	August 26, 2014
Dissolved Selenium (Se)	0.002 mg/L	Sous-traitance\Multilab Direct	August 22, 2014
Dissolved Solids	418 mg/L	M-TIT-1.0	August 19, 2014
Sulfate (SO ₄)	159 mg SO ₄ /L	Sous-traitance\Multilab Direct	August 25, 2014
Dissolved thallium (Tl)	<0.005 mg/L	Sous-traitance\Multilab Direct	August 22, 2014
Zinc (Zn)	0.001 mg/L	Sous-traitance\Multilab Direct	August 25, 2014
Dissolved Zinc	0.001 mg/L	Sous-traitance\Multilab Direct	August 22, 2014

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

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Detection limit

Lab number: V-37486

Sample name: GW-BG-Sump

Sampling location: BG Sump

Sampling date: August 17, 2014

Sampling hour: 18:00

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	
Arsenic (As)	0.0005 mg/L		Sous-traitance	Yes
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
Copper (Cu)	0.0005 mg/L		Sous-traitance	Yes
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
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	
Ammonia NH ₃ (non-ionized)	0.01 mg N/L		Sous-traitance	-
Nickel (Ni)	0.0005 mg/L		Sous-traitance	Yes
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
Lead (Pb)	0.0003 mg/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 thallium (Tl)	0.005 mg/L		Sous-traitance	
Zinc (Zn)	0.001 mg/L		Sous-traitance	Yes
Dissolved Zinc	0.001 mg/L		Sous-traitance	

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-37486

Sample name: GW-BG-Sump

Sampling location: BG Sump

Sampling date: August 17, 2014

Sampling hour: 18:00

Parameter	
Alkalinity mg CaCO ₃ /L	Standard name STD alcalinité Result 143 Accuracy 98.6% Limit 123 - 167
Arsenic (As) mg/L	Blank <0.0005
	Standard name DMR-0483-2014-2A Result 0.3179 Accuracy 87.7% Limit 0.198 - 0.368
Chloride mg/L	Blank <0.5
	Standard name DMR-0575-2014-Cl Result 111 Accuracy 98.2% Limit 96 - 122
Total Cyanide (CNt) mg/L	Blank <0.005
	Standard name DMR-0589-2014-4 Result 0.0790 Accuracy 96.9% Limit 0.0693 - 0.0937
Ammonia NH ₃ (non-ionized) mg	Blank <0.01
Nickel (Ni) mg/L	Blank <0.0005
	Standard name DMR-0483-2014-2A Result 1.207 Accuracy 93.2% Limit 0.90 - 1.36
Nitrate (NO ₃) mg N/L	Blank <0.01
Nitrite (NO ₂) mg N/L	Blank <0.01
	Standard name DMR-0575-2014-NO ₂ Result 2.0 Accuracy 99% Limit 1.72 - 2.32
Dissolved Solids mg/L	

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

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Additional information

Lab number: V-37486

Sample name: GW-BG-Sump

Sampling location: BG Sump

Sampling date: August 17, 2014

Sampling hour: 18:00

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-CN-1.0	MA.300-CN 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

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

Lab number: V-37639

Sampling location: East dike

Sampling date: August 20, 2014

Sample name: ST-GW-08-02

Sampling hour: 17:30

Sampled by: Martin Theriault

Date received: August 22, 2014

Matrix: Waste Water

Drinking water distribution:

Reported on: September 08, 2014

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-37639

Sample name: ST-GW-08-02

Sampling date: August 20, 2014

Sampling location: East dike

Sampling hour: 17:30

Parameter	Result	Method name	Analysis date
Alkalinity	147 mg CaCO ₃ /L	M-TIT-1.0	August 22, 2014
Dissolved Aluminium (Al)	0.029 mg/L	Sous-traitance\Multilab Direct	August 26, 2014
Dissolved Silver (Ag)	<0.0001 mg/L	Sous-traitance\Multilab Direct	August 26, 2014
Arsenic (As)	0.0025 mg/L	Sous-traitance\Multilab Direct	August 26, 2014
Dissolved Arsenic (As)	0.0026 mg/L	Sous-traitance\Multilab Direct	August 26, 2014
Dissolved Barium (Ba)	0.0526 mg/L	Sous-traitance\Multilab Direct	August 26, 2014
Dissolved Cadmium (Cd)	0.00012 mg/L	Sous-traitance\Multilab Direct	August 26, 2014
Chloride	287 mg/L	Sous-traitance\Multilab Direct	August 27, 2014
Copper (Cu)	0.0152 mg/L	Sous-traitance\Multilab Direct	August 26, 2014
Dissolved Copper (Cu)	<0.0005 mg/L	Sous-traitance\Multilab Direct	August 26, 2014
Total Cyanide (CNT)	<0.005 mg/L	M-CN-1.0	August 27, 2014
Hardness	299 mg CaCO ₃ /L	Sous-traitance\Multilab Direct	August 26, 2014
Dissolved Iron (Fe)	0.02 mg/L	Sous-traitance\Multilab Direct	August 26, 2014
Fluoride (F)	<0.02 mg/L	Sous-traitance\Multilab Direct	September 04, 2014
Dissolved Manganese (Mn)	0.1526 mg/L	Sous-traitance\Multilab Direct	August 26, 2014
Dissolved Mercury (Hg)	<0.0001 mg/L	Sous-traitance\Multilab Direct	August 26, 2014
Dissolved Molybdenum (Mo)	0.0273 mg/L	Sous-traitance\Multilab Direct	August 26, 2014
Ammonia NH ₃ (non-ionized)	<0.01 mg N/L	Sous-traitance\Multilab Direct	August 26, 2014
Nickel (Ni)	0.0043 mg/L	Sous-traitance\Multilab Direct	August 26, 2014
Dissolved Nickel (Ni)	0.0045 mg/L	Sous-traitance\Multilab Direct	August 26, 2014
Nitrate (NO ₃)	<0.01 mg N/L	Sous-traitance\Multilab Direct	August 26, 2014
Nitrite (NO ₂)	0.03 mg N/L	Sous-traitance\Multilab Direct	August 22, 2014
Lead (Pb)	0.0019 mg/L	Sous-traitance\Multilab Direct	August 26, 2014
Dissolved Lead (Pb)	0.5625 mg/L	Sous-traitance\Multilab Direct	August 26, 2014
Dissolved Selenium (Se)	0.011 mg/L	Sous-traitance\Multilab Direct	August 26, 2014
Dissolved Solids	843 mg/L	M-TIT-1.0	August 22, 2014
Sulfate (SO ₄)	12.9 mg SO ₄ /L	Sous-traitance\Multilab Direct	August 26, 2014
Dissolved thallium (Tl)	<0.005 mg/L	Sous-traitance\Multilab Direct	August 22, 2014
Zinc (Zn)	0.045 mg/L	Sous-traitance\Multilab Direct	August 26, 2014
Dissolved Zinc	0.033 mg/L	Sous-traitance\Multilab Direct	August 26, 2014

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

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Detection limit

Lab number: V-37639

Sample name: ST-GW-08-02

Sampling location: East dike

Sampling date: August 20, 2014

Sampling hour: 17:30

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	
Arsenic (As)	0.0005 mg/L		Sous-traitance	Yes
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
Copper (Cu)	0.0005 mg/L		Sous-traitance	Yes
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
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	
Ammonia NH ₃ (non-ionized)	0.01 mg N/L		Sous-traitance	-
Nickel (Ni)	0.0005 mg/L		Sous-traitance	Yes
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
Lead (Pb)	0.0003 mg/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 thallium (Tl)	0.005 mg/L		Sous-traitance	
Zinc (Zn)	0.001 mg/L		Sous-traitance	Yes
Dissolved Zinc	0.001 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-37639

Sample name: ST-GW-08-02

Sampling date: August 20, 2014

Sampling location: East dike

Sampling hour: 17:30

Parameter	
Alkalinity mg CaCO ₃ /L	Standard name STD alcalinité Result 141 Accuracy 97.2% Limit 123 - 167
Dissolved Aluminium (Al) mg/L	Blank <0.006 Standard name C00-046-705_X 1000 Result 1.06 Accuracy 94% Limit 0.850 - 1.150
Dissolved Silver (Ag) mg/L	Blank <0.0001
Arsenic (As) mg/L	Blank <0.0005 Standard name C00-046-705_X 1000 Result 0.0990 Accuracy 99% Limit 0.0775 - 0.1225
Dissolved Arsenic (As) mg/L	Blank <0.0005 Standard name C00-046-705_X 1000 Result 0.0978 Accuracy 97.8% Limit 0.0775 - 0.1225
Dissolved Barium (Ba) mg/L	Blank <0.0005 Standard name C00-046-705_X 1000 Result 0.1004 Accuracy 99.6% Limit 0.0850 - 0.1150
Dissolved Cadmium (Cd) mg/L	Blank <0.00002 Standard name C00-046-705_X 1000 Result 0.10081 Accuracy 99.2% Limit 0.0850 - 0.1150
Chloride mg/L	Blank <0.5 Standard name DMR-0575-2014-Cl Result 108 Accuracy 99.1% Limit 96 - 122
Copper (Cu) mg/L	Blank <0.0005 Standard name C00-046-705_X 1000 Result 0.1043 Accuracy 95.7% Limit 0.0850 - 0.1150

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

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Quality control Report

Lab number: V-37639

Sample name: ST-GW-08-02

Sampling date: August 20, 2014

Sampling location: East dike

Sampling hour: 17:30

Parameter	
Dissolved Copper (Cu) mg/L	Blank <0.0005
	Standard name C00-046-705_X 1000
	Result 0.0958
	Accuracy 95.8%
	Limit 0.0850 - 0.1150
Total Cyanide (CNT) mg/L	Blank <0.005
	Standard name DMR-0589-2014-4
	Result 0.0740
	Accuracy 90.8%
	Limit 0.0693 - 0.0937
Hardness mg CaCO ₃ /L	Blank
Dissolved Iron (Fe) mg/L	Blank <0.01
	Standard name C00-046-705_X 1000
	Result 0.95
	Accuracy 95%
	Limit 0.850 - 1.150
Fluoride (F) mg/L	Blank <0.02
	Standard name DMR-0575-2014-12F
	Result 2.5
	Accuracy 96.7%
	Limit 2.24 - 2.60
Dissolved Manganese (Mn) mg/l	Blank <0.0005
	Standard name C00-046-705_X 1000
	Result 0.1009
	Accuracy 99.1%
	Limit 0.0850 - 0.1150
Dissolved Molybdenum (Mo) mg	Blank <0.0005
	Standard name C00-046-705_X 1000
	Result 0.0928
	Accuracy 92.8%
	Limit 0.0850 - 0.1150
Nickel (Ni) mg/L	Blank <0.0005
	Standard name C00-046-705_X 1000
	Result 0.1034
	Accuracy 96.6%
	Limit 0.0850 - 0.1150
Dissolved Nickel (Ni) mg/L	Blank <0.0005
	Standard name C00-046-705_X 1000
	Result 0.1028
	Accuracy 97.2%

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Quality control Report

Lab number: V-37639

Sample name: ST-GW-08-02

Sampling date: August 20, 2014

Sampling location: East dike

Sampling hour: 17:30

Parameter	
Lead (Pb) mg/L	Limit 0.0850 - 0.1150
	Blank <0.0003
	Standard name DMR-0483-2014-2A
	Result 0.9928
	Accuracy 89.7%
Dissolved Lead (Pb) mg/L	Limit 0.720 - 1.080
	Blank <0.0003
	Standard name C00-046-705_X 1000
	Result 0.0938
	Accuracy 93.8%
Dissolved Selenium (Se) mg/L	Limit 0.0850 - 0.1150
	Blank <0.001
	Standard name C00-046-705_X 1000
	Result 0.104
	Accuracy 96%
Dissolved thallium (Tl) mg/L	Limit 0.0850 - 0.1150
	Blank <0.005
	Standard name Tl-S120124021-1000ppm
	Result 1067
	Accuracy 93.3%
Zinc (Zn) mg/L	Limit 850 - 1150
	Blank <0.001
	Standard name C00-046-705_X 1000
	Result 0.105
	Accuracy 95%
Dissolved Zinc mg/L	Limit 0.0850 - 0.1150
	Blank <0.001
	Standard name C00-046-705_X 1000
	Result 0.105
	Accuracy 95%
	Limit 0.0850 - 0.1150

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

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Additional information

Lab number: V-37639
Sample name: ST-GW-08-02
Sampling location: East dike

Sampling date: August 20, 2014
Sampling hour: 17:30

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-CN-1.0	MA.300-CN 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

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

Lab number: V-39530

Sampling location: central dike

Sampling date: October 20, 2014

Sample name: ST-GW-14-01

Sampling hour: 08:30

Sampled by: Martin Theriault

Date received: October 21, 2014

Matrix: Waste Water

Drinking water distribution:

Reported on: October 27, 2014

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-39530

Sample name: ST-GW-14-01

Sampling location: central dike

Sampling date: October 20, 2014

Sampling hour: 08:30

Parameter	Result	Method name	Analysis date
Alkalinity	182 mg CaCO ₃ /L	M-TIT-1.0	October 21, 2014
Dissolved Aluminium (Al)	<0.006 mg/L	Sous-traitance\Multilab Direct	October 22, 2014
Dissolved Silver (Ag)	<0.0001 mg/L	Sous-traitance\Multilab Direct	October 22, 2014
Arsenic (As)	0.1521 mg/L	Sous-traitance\Multilab Direct	October 22, 2014
Dissolved Arsenic (As)	0.0695 mg/L	Sous-traitance\Multilab Direct	October 22, 2014
Dissolved Barium (Ba)	0.6186 mg/L	Sous-traitance\Multilab Direct	October 22, 2014
Dissolved Cadmium (Cd)	0.00003 mg/L	Sous-traitance\Multilab Direct	October 22, 2014
Chloride	1877 mg/L	Sous-traitance\Multilab Direct	October 23, 2014
Copper (Cu)	0.0172 mg/L	Sous-traitance\Multilab Direct	October 22, 2014
Dissolved Copper (Cu)	0.0161 mg/L	Sous-traitance\Multilab Direct	October 22, 2014
Total Cyanide (CNT)	0.191 mg/L	M-CN-1.0	October 23, 2014
Hardness	2358 mg CaCO ₃ /L	Sous-traitance\Multilab Direct	October 22, 2014
Dissolved Iron (Fe)	0.05 mg/L	Sous-traitance\Multilab Direct	October 22, 2014
Fluoride (F)	0.4 mg/L	Sous-traitance\Multilab Direct	October 23, 2014
Dissolved Manganese (Mn)	1.744 mg/L	Sous-traitance\Multilab Direct	October 22, 2014
Dissolved Mercury (Hg)	<0.0001 mg/L	Sous-traitance\Multilab Direct	October 22, 2014
Dissolved Molybdenum (Mo)	0.0144 mg/L	Sous-traitance\Multilab Direct	October 22, 2014
Ammonia NH ₃ (non-ionized)	0.02 mg N/L	Sous-traitance\Multilab Direct	October 22, 2014
Nickel (Ni)	0.0415 mg/L	Sous-traitance\Multilab Direct	October 22, 2014
Dissolved Nickel (Ni)	0.0386 mg/L	Sous-traitance\Multilab Direct	October 22, 2014
Nitrate (NO ₃)	0.02 mg N/L	Sous-traitance\Multilab Direct	October 22, 2014
Nitrite (NO ₂)	<0.01 mg N/L	Sous-traitance\Multilab Direct	October 22, 2014
Lead (Pb)	<0.0003 mg/L	Sous-traitance\Multilab Direct	October 23, 2014
Dissolved Lead (Pb)	0.0009 mg/L	Sous-traitance\Multilab Direct	October 22, 2014
Dissolved Selenium (Se)	0.059 mg/L	Sous-traitance\Multilab Direct	October 22, 2014
Dissolved Solids	3212 mg/L	M-TIT-1.0	October 21, 2014
Sulfate (SO ₄)	450 mg SO ₄ /L	Sous-traitance\Multilab Direct	October 22, 2014
Dissolved thallium (Tl)	<0.005 mg/L	Sous-traitance\Multilab Direct	October 21, 2014
Zinc (Zn)	0.049 mg/L	Sous-traitance\Multilab Direct	October 22, 2014
Dissolved Zinc	0.033 mg/L	Sous-traitance\Multilab Direct	October 22, 2014

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-39530

Sample name: ST-GW-14-01

Sampling location: central dike

Sampling date: October 20, 2014

Sampling hour: 08:30

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	
Arsenic (As)	0.0005 mg/L		Sous-traitance	Yes
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
Copper (Cu)	0.0005 mg/L		Sous-traitance	Yes
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
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	
Ammonia NH ₃ (non-ionized)	0.01 mg N/L		Sous-traitance	-
Nickel (Ni)	0.0005 mg/L		Sous-traitance	Yes
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
Lead (Pb)	0.0003 mg/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 thallium (Tl)	0.005 mg/L		Sous-traitance	
Zinc (Zn)	0.001 mg/L		Sous-traitance	Yes
Dissolved Zinc	0.001 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-39530

Sample name: ST-GW-14-01

Sampling location: central dike

Sampling date: October 20, 2014

Sampling hour: 08:30

Parameter	
Alkalinity mg CaCO ₃ /L	Standard name STD alcalinité Result 136 Accuracy 93.8% Limit 123 - 167
Dissolved Aluminium (Al) mg/L	Blank <0.006 Standard name C00-046-705_X_1000 Result 0.992 Accuracy 99.2% Limit 0.800 - 1.200
Dissolved Silver (Ag) mg/L	Blank <0.0001
Arsenic (As) mg/L	Blank <0.0005 Standard name C00-046-705_X_1000 Result 0.1038 Accuracy 96.2% Limit 0.0700 - 0.1300
Dissolved Arsenic (As) mg/L	Blank <0.0005 Standard name C00-046-705_X_1000 Result 0.1018 Accuracy 98.2% Limit 0.0800 - 0.1200
Dissolved Barium (Ba) mg/L	Blank <0.0005 Standard name C00-046-705_X_1000 Result 0.0983 Accuracy 98.3% Limit 0.0800 - 0.1200
Dissolved Cadmium (Cd) mg/L	Blank <0.00002 Standard name C00-046-705_X_1000 Result 0.09901 Accuracy 99% Limit 0.0800 - 0.1200
Chloride mg/L	Blank <0.5 Standard name DMR-0682-2014-Cl Result 108 Accuracy 99.1% Limit 96 - 122
Copper (Cu) mg/L	Blank <0.0005 Standard name C00-046-705_X_1000 Result 0.1086 Accuracy 91.4% Limit 0.0800 - 0.1200

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

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Quality control Report

Lab number: V-39530

Sample name: ST-GW-14-01

Sampling location: central dike

Sampling date: October 20, 2014

Sampling hour: 08:30

Parameter	
Dissolved Copper (Cu) mg/L	Blank <0.0005 Standard name C00-046-705_X_1000 Result 0.1073 Accuracy 92.7% Limit 0.0800 - 0.1200
Total Cyanide (CNT) mg/L	Blank <0.005 Standard name DMR-0685-2014-5 Result 0.0740 Accuracy 90.8% Limit 0.0693 - 0.0937
Dissolved Iron (Fe) mg/L	Blank <0.01 Standard name C00-046-705_X_1000 Result 0.99 Accuracy 99% Limit 0.800 - 1.200
Fluoride (F) mg/L	Blank <0.02 Standard name DMR-0748-2014-12F Result 2.5 Accuracy 96.7% Limit 2.24 - 2.60
Dissolved Manganese (Mn) mg/l	Blank <0.0005 Standard name C00-046-705_X_1000 Result 0.1001 Accuracy 99.9% Limit 0.0800 - 0.1200
Dissolved Molybdenum (Mo) mg	Blank <0.0005 Standard name C00-046-705_X_1000 Result 0.0972 Accuracy 97.2% Limit 0.0800 - 0.1200
Ammonia NH3 (non-ionized) mg	Blank <0.01
Nickel (Ni) mg/L	Blank <0.0005 Standard name C00-046-705_X_1000 Result 0.1059 Accuracy 94.1% Limit 0.0800 - 0.1200
Dissolved Nickel (Ni) mg/L	Blank <0.0005 Standard name C00-046-705_X_1000 Result 0.1045 Accuracy 95.5%

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

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Quality control Report

Lab number: V-39530

Sample name: ST-GW-14-01

Sampling location: central dike

Sampling date: October 20, 2014

Sampling hour: 08:30

Parameter	
	Limit 0.0800 - 0.1200
Nitrate (NO3) mg N/L	Blank <0.01
Nitrite (NO2) mg N/L	Blank <0.01
	Standard name DMR-0682-2014-NO2
	Result 2.0
	Accuracy 99%
	Limit 1.72 - 2.32
Lead (Pb) mg/L	Blank <0.0003
	Standard name C00-046-705_X_1000
	Result 0.0878
	Accuracy 87.8%
	Limit 0.0800 - 0.1200
Dissolved Lead (Pb) mg/L	Blank <0.0003
	Standard name C00-046-705_X_1000
	Result 0.0913
	Accuracy 91.3%
	Limit 0.0800 - 0.1200
Dissolved Selenium (Se) mg/L	Blank <0.001
	Standard name C00-046-705_X_1000
	Result 0.104
	Accuracy 96%
	Limit 0.0800 - 0.1200
Sulfate (SO4) mg SO4/L	Blank <0.6
	Standard name DMR-0682-2014-SO4
	Result 134
	Accuracy 99.2%
	Limit 120 - 146
Dissolved thallium (Tl) mg/L	Blank <0.005
	Standard name TI-S120124021-1000ppm
	Result 1034
	Accuracy 96.6%
	Limit 850 - 1150
Zinc (Zn) mg/L	Blank <0.001
	Standard name C00-046-705_X_1000
	Result 0.107
	Accuracy 93%
	Limit 0.0800 - 0.1200
Dissolved Zinc mg/L	Blank <0.001
	Standard name C00-046-705_X_1000
	Result 0.106

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

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Additional information

Lab number: V-39530
Sample name: ST-GW-14-01
Sampling location: central dike

Sampling date: October 20, 2014
Sampling hour: 08:30

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-CN-1.0	MA.300-CN 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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Analytical Report

Company: **Agnico Eagle Division Meadowbank**

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

Lab number: V-39531

Sampling location: central dike

Sampling date: October 20, 2014

Sample name: DUP

Sampling hour: 08:30

Sampled by: Martin Theriault

Date received: October 21, 2014

Matrix: Waste Water

Drinking water distribution:

Reported on: October 27, 2014

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-39531

Sample name: DUP

Sampling location: central dike

Sampling date: October 20, 2014

Sampling hour: 08:30

Parameter	Result	Method name	Analysis date
Alkalinity	182 mg CaCO ₃ /L	M-TIT-1.0	October 21, 2014
Dissolved Aluminium (Al)	<0.006 mg/L	Sous-traitance\Multilab Direct	October 22, 2014
Dissolved Silver (Ag)	<0.0001 mg/L	Sous-traitance\Multilab Direct	October 22, 2014
Arsenic (As)	0.1518 mg/L	Sous-traitance\Multilab Direct	October 22, 2014
Dissolved Arsenic (As)	0.1075 mg/L	Sous-traitance\Multilab Direct	October 22, 2014
Dissolved Barium (Ba)	0.6034 mg/L	Sous-traitance\Multilab Direct	October 22, 2014
Dissolved Cadmium (Cd)	0.00009 mg/L	Sous-traitance\Multilab Direct	October 22, 2014
Chloride	1677 mg/L	Sous-traitance\Multilab Direct	October 23, 2014
Copper (Cu)	0.0179 mg/L	Sous-traitance\Multilab Direct	October 22, 2014
Dissolved Copper (Cu)	0.0136 mg/L	Sous-traitance\Multilab Direct	October 22, 2014
Total Cyanide (CNT)	0.101 mg/L	M-CN-1.0	October 23, 2014
Hardness	2361 mg CaCO ₃ /L	Sous-traitance\Multilab Direct	October 22, 2014
Dissolved Iron (Fe)	1.1 mg/L	Sous-traitance\Multilab Direct	October 22, 2014
Fluoride (F)	0.41 mg/L	Sous-traitance\Multilab Direct	October 23, 2014
Dissolved Manganese (Mn)	1.921 mg/L	Sous-traitance\Multilab Direct	October 22, 2014
Dissolved Mercury (Hg)	0.0003 mg/L	Sous-traitance\Multilab Direct	October 22, 2014
Dissolved Molybdenum (Mo)	0.0152 mg/L	Sous-traitance\Multilab Direct	October 22, 2014
Ammonia NH ₃ (non-ionized)	0.02 mg N/L	Sous-traitance\Multilab Direct	October 22, 2014
Nickel (Ni)	0.0439 mg/L	Sous-traitance\Multilab Direct	October 22, 2014
Dissolved Nickel (Ni)	0.0370 mg/L	Sous-traitance\Multilab Direct	October 22, 2014
Nitrate (NO ₃)	0.02 mg N/L	Sous-traitance\Multilab Direct	October 22, 2014
Nitrite (NO ₂)	<0.01 mg N/L	Sous-traitance\Multilab Direct	October 22, 2014
Lead (Pb)	0.0029 mg/L	Sous-traitance\Multilab Direct	October 23, 2014
Dissolved Lead (Pb)	<0.0003 mg/L	Sous-traitance\Multilab Direct	October 22, 2014
Dissolved Selenium (Se)	0.055 mg/L	Sous-traitance\Multilab Direct	October 22, 2014
Dissolved Solids	3092 mg/L	M-TIT-1.0	October 21, 2014
Sulfate (SO ₄)	470 mg SO ₄ /L	Sous-traitance\Multilab Direct	October 22, 2014
Dissolved thallium (Tl)	<0.005 mg/L	Sous-traitance\Multilab Direct	October 21, 2014
Zinc (Zn)	0.051 mg/L	Sous-traitance\Multilab Direct	October 22, 2014
Dissolved Zinc	0.054 mg/L	Sous-traitance\Multilab Direct	October 22, 2014

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Detection limit

Lab number: V-39531

Sample name: DUP

Sampling location: central dike

Sampling date: October 20, 2014

Sampling hour: 08:30

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	
Arsenic (As)	0.0005 mg/L		Sous-traitance	Yes
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
Copper (Cu)	0.0005 mg/L		Sous-traitance	Yes
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
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	
Ammonia NH ₃ (non-ionized)	0.01 mg N/L		Sous-traitance	-
Nickel (Ni)	0.0005 mg/L		Sous-traitance	Yes
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
Lead (Pb)	0.0003 mg/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 thallium (Tl)	0.005 mg/L		Sous-traitance	
Zinc (Zn)	0.001 mg/L		Sous-traitance	Yes
Dissolved Zinc	0.001 mg/L		Sous-traitance	

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Quality control Report

Lab number: V-39531

Sample name: DUP

Sampling location: central dike

Sampling date: October 20, 2014

Sampling hour: 08:30

Parameter	
Alkalinity mg CaCO ₃ /L	Standard name STD alcalinité
	Result 136
	Accuracy 93.8%
	Limit 123 - 167
Dissolved Aluminium (Al) mg/L	Blank <0.006
	Standard name C00-046-705_X_1000
	Result 0.992
	Accuracy 99.2%
Dissolved Silver (Ag) mg/L	Limit 0.800 - 1.200
	Blank <0.0001
	Standard name C00-046-705_X_1000
	Result 0.1038
Arsenic (As) mg/L	Accuracy 96.2%
	Limit 0.0700 - 0.1300
	Blank <0.0005
	Standard name C00-046-705_X_1000
Dissolved Arsenic (As) mg/L	Result 0.1018
	Accuracy 98.2%
	Limit 0.0800 - 0.1200
	Blank <0.0005
Dissolved Barium (Ba) mg/L	Standard name C00-046-705_X_1000
	Result 0.0983
	Accuracy 98.3%
	Limit 0.0800 - 0.1200
Dissolved Cadmium (Cd) mg/L	Blank <0.00002
	Standard name C00-046-705_X_1000
	Result 0.09901
	Accuracy 99%
Chloride mg/L	Limit 0.0800 - 0.1200
	Blank <0.5
	Standard name DMR-0682-2014-Cl
	Result 108
Copper (Cu) mg/L	Accuracy 99.1%
	Limit 96 - 122
	Blank <0.0005
	Standard name C00-046-705_X_1000
	Result 0.1086
	Accuracy 91.4%
	Limit 0.0800 - 0.1200

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Quality control Report

Lab number: V-39531

Sample name: DUP

Sampling location: central dike

Sampling date: October 20, 2014

Sampling hour: 08:30

Parameter	
Dissolved Copper (Cu) mg/L	Blank <0.0005 Standard name C00-046-705_X_1000 Result 0.1073 Accuracy 92.7% Limit 0.0800 - 0.1200
Total Cyanide (CNT) mg/L	Blank <0.005 Standard name DMR-0685-2014-5 Result 0.0740 Accuracy 90.8% Limit 0.0693 - 0.0937
Dissolved Iron (Fe) mg/L	Blank <0.01 Standard name C00-046-705_X_1000 Result 0.99 Accuracy 99% Limit 0.800 - 1.200
Fluoride (F) mg/L	Blank <0.02 Standard name DMR-0748-2014-12F Result 2.5 Accuracy 96.7% Limit 2.24 - 2.60
Dissolved Manganese (Mn) mg/l	Blank <0.0005 Standard name C00-046-705_X_1000 Result 0.1001 Accuracy 99.9% Limit 0.0800 - 0.1200
Dissolved Molybdenum (Mo) mg	Blank <0.0005 Standard name C00-046-705_X_1000 Result 0.0972 Accuracy 97.2% Limit 0.0800 - 0.1200
Ammonia NH3 (non-ionized) mg	Blank <0.01
Nickel (Ni) mg/L	Blank <0.0005 Standard name C00-046-705_X_1000 Result 0.1059 Accuracy 94.1% Limit 0.0800 - 0.1200
Dissolved Nickel (Ni) mg/L	Blank <0.0005 Standard name C00-046-705_X_1000 Result 0.1045 Accuracy 95.5%

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Quality control Report

Lab number: V-39531

Sample name: DUP

Sampling location: central dike

Sampling date: October 20, 2014

Sampling hour: 08:30

Parameter	
	Limit 0.0800 - 0.1200
Nitrate (NO3) mg N/L	Blank <0.01
Nitrite (NO2) mg N/L	Blank <0.01
	Standard name DMR-0682-2014-NO2
	Result 2.0
	Accuracy 99%
	Limit 1.72 - 2.32
Lead (Pb) mg/L	Blank <0.0003
	Standard name C00-046-705_X_1000
	Result 0.0878
	Accuracy 87.8%
	Limit 0.0800 - 0.1200
Dissolved Lead (Pb) mg/L	Blank <0.0003
	Standard name C00-046-705_X_1000
	Result 0.0913
	Accuracy 91.3%
	Limit 0.0800 - 0.1200
Dissolved Selenium (Se) mg/L	Blank <0.001
	Standard name C00-046-705_X_1000
	Result 0.104
	Accuracy 96%
	Limit 0.0800 - 0.1200
Sulfate (SO4) mg SO4/L	Blank <0.6
	Standard name DMR-0682-2014-SO4
	Result 134
	Accuracy 99.2%
	Limit 120 - 146
Dissolved thallium (Tl) mg/L	Blank <0.005
	Standard name TI-S120124021-1000ppm
	Result 1034
	Accuracy 96.6%
	Limit 850 - 1150
Zinc (Zn) mg/L	Blank <0.001
	Standard name C00-046-705_X_1000
	Result 0.107
	Accuracy 93%
	Limit 0.0800 - 0.1200
Dissolved Zinc mg/L	Blank <0.001
	Standard name C00-046-705_X_1000
	Result 0.106

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Quality control Report

Lab number: V-39531

Sample name: DUP

Sampling location: central dike

Sampling date: October 20, 2014

Sampling hour: 08:30

Parameter

Accuracy 94%

Limit 0.0800 - 0.1200

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Additional information

Lab number: V-39531
Sample name: DUP
Sampling location: central dike

Sampling date: October 20, 2014
Sampling hour: 08:30

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-CN-1.0	MA.300-CN 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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