June 15th, 2024

Kyle Amsel
Resource Management Officer
Kivalliq Region, Field Operations Unit
Crown-Indigenous Relations and Northern Affairs Canada
Rankin Inlet, NU
X0C 0G0

Sent via email: Kyle.Amsel@rcaanc-cirnac.gc.ca

Re: Follow-up Report Spill #2024-168 – MEL-SR-1 Surface Water Runoff at the Meliadine Gold Mine, Itivia Site

On May 18th, 2024, the Nunavut Spill Line was notified by Agnico Eagle personnel via email (spills@gov.nt.ca) of a potential Total Suspended Solids (TSS) exceedance at the Meliadine Gold Mine, Itivia site (spill location coordinates: 63° 47' 59.85" N, 92° 5' 35.63" W).

This follow-up report provides supplemental information based on the results of the incident assessment and is being provided in accordance with the following:

- Nunavut Water Board 2AM-MEL1631 Water Licence, Part H, Item 8c.
- subsections 38(7) of the Fisheries Act.

Description of Incident

On May 18th, 2024, at approximately 16:00, surface runoff was observed at monitoring station MEL-SR-1, located at the south end of the Itivia site. Field turbidity measurements indicated a potential exceedance of the TSS effluent quality limits listed under Part D, Item 18 of the 2AM-MEL1631 Water Licence. Samples were collected at monitoring station MEL-SR-1 and sent to an external laboratory for analysis. Upstream monitoring indicated that sediment-laden runoff was entering the Itivia lease boundary and was not a result of the activities or infrastructure within the Itivia lease. Analytical results reported a concentration of 330 mg/L TSS, above the allowable TSS effluent quality limits listed under Part D, Item 18 of the 2AM-MEL1631 Water Licence.

Discharge from the MEL-SR-1 monitoring location combines surface runoff from Rankin Inlet and the Itivia site. Runoff passes through a series of rock check dams and a settling basin designed to

Figure 1: Location of the MEL-SR-1 and upstream monitoring locations.

Response and Remediation

In response to the elevated field turbidity readings and as per the Sediment and Erosion Management Plan, erosion and sediment control (ESC) measures were deployed to complement

the existing rock check dams and settling basin, to reduce the sediment load in the water flowing through the Itivia site. Combinations of ESC measures were installed and maintained at specific locations where erosion and sedimentation were observed on the evening of May 18th. These installations were monitored and maintained throughout the runoff event and the following two days after, on May 19th and May 20th. Both visual and analytical monitoring demonstrated the efficacy of these measures in reducing TSS at the MEL-SR-1 monitoring location.

Internal laboratory and external, accredited laboratory analytical results for part of the monitoring duration are presented in Table 1. The Certificate of Analysis for the regulatory samples (May 18th and May 19th, 2024) can be found in Appendix B. Field turbidity readings were also used to measure effectiveness of ESC measures and are summarized in Appendix C. Accompanying the field turbidity readings are estimated TSS measurements based on a linear relationship between field turbidity and laboratory TSS from historic MEL-SR-1 analytical results.

Table 1: Results from TSS analysis of May 18th and 19th samples.

Date	Result type	Total Suspended Solids (mg/L)			2AM-MEL1631 Part D, Item 18	
		Itivia Upstream West	Itivia Upstream East	MEL-SR-1	Maximum Monthly Mean Concentration	Maximum Concentration in a Grab Sample
2024-05-18	Internal Lab	206	-[1]	300	50	100
	External Lab	160	-[1]	330		
2024-05-19	Internal Lab	-[2]	278	71		
	External Lab	-[2]	300	54		

[1] Snow cover and low flow prevented a representative sample from being collected.
[2] Sample was not collected as ESC controls had successfully reduced TSS at MEL-SR-1.

The monthly compliance samples collected on May 18th and May 19th, 2024, resulted in a monthly mean TSS concentration above 50 mg/L. However, based on estimated TSS concentrations from field turbidity readings collected at MEL-SR-1 on May 20th, 2024, (Appendix C), it is expected that continued laboratory analytical sampling of runoff at this station would have reduced the monthly mean TSS concentration.

Root Cause and Corrective Measures

An incident assessment was conducted soon after the incident occurred to determine the root cause and contributing factors. The assessment concluded with the following:

- Runoff entering the Itivia has elevated TSS levels and is outside of Agnico Eagle's control.

The following corrective and preventative actions have been implemented to address the root cause and to reduce the likelihood of reoccurrence:

- The ESCs put in place at the Itivia site have demonstrated efficacy in the reduction of TSS concentrations. Agnico Eagle will continue to monitor and maintain these controls as required during freshet and the open water season.
- In response to the recent incident, Agnico Eagle has engaged with the Senior Administrative Officer of Rankin Inlet to devise an effective strategy to manage water in this area.

Should you have any questions or require further information, please do not hesitate to contact the undersigned.

Alexandre Langlais-Bourassa, M.Sc. Biol. | Environment Coordinator
alexandre.langlais-bourassa@agnicoeagle.com | Direct 819.759.3555 x4603996 |
Agnico Eagle Mines Limited - Meliadine Mine, Suite 879 - Rankin Inlet, Nunavut, Canada X0C 0G0
agnicoeagle.com
Sent from Meliadine

Appendix A – Photos

Photo 1. Downstream of Itivia Upstream West.

Photo 2. Upstream of Itivia Upstream East (past normal sampling location).

Photo 3. Downstream of Itivia Culvert on 2024-05-18 (during exceedance).

Photo 4. Straw logs placed between Itivia Upstream West and Itivia Culvert to mitigate the sediment loading.

Photo 5. Downstream of Itivia Culvert on 2024-05-19 (after exceedance).

AGNICO EAGLE
MELIADINE

Appendix B – Certificate of Analysis

Your P.O. #: OL-1381216
Site Location: Meliadine
Your C.O.C. #: 899776

Attention: Reporting

Agnico-Eagle
Meliadine
Meliadine Mine
Rankin Inlet, NU
CANADA X0C 0G0

Report Date: 2024/05/28
Report #: R8167477
Version: 3 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C4F3562
Received: 2024/05/22, 09:06

Sample Matrix: Water
Samples Received: 4

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Alkalinity	4	N/A	2024/05/23	CAM SOP-00448	SM 24 2320 B m
Chloride by Automated Colourimetry	4	N/A	2024/05/24	CAM SOP-00463	SM 24 4500-Cl E m
Field Measured Dissolved Oxygen (3)	4	N/A	2024/05/23		Field pH Meter
Field Measured Conductivity (3)	4	N/A	2024/05/23		Field Meter
Fluoride	4	2024/05/23	2024/05/23	CAM SOP-00449	SM 24 4500-F C m
Mercury in Water by CVAA	4	2024/05/24	2024/05/24	CAM SOP-00453	EPA 7470A m
Low Level Chloride and Sulphate by AC (1)	4	N/A	2024/05/24	AB SOP-00020	SM24-4500-Cl/SO4-E m
Cyanide, Strong Acid Dissociable (SAD) (1)	4	2024/05/28	2024/05/28	CAL SOP-00270	SM 24 4500-CN m
Hardness (calculated as CaCO3) (2)	4	N/A	2024/05/25	BBY WI-00033	Auto Calc
Na, K, Ca, Mg, S by CRC ICPMS (diss.) (2)	4	N/A	2024/05/25	BBY WI-00033	Auto Calc
Elements by CRC ICPMS (dissolved) (2)	4	N/A	2024/05/24	BBY7SOP-00002	EPA 6020b R2 m
Na, K, Ca, Mg, S by CRC ICPMS (total) (2)	4	2024/05/23	2024/05/25	BBY WI-00033	Auto Calc
Elements by CRC ICPMS (total) (2)	4	2024/05/24	2024/05/25	BBY7SOP-00003 / BBY7SOP-00002	EPA 6020b R2 m
Silica (Reactive) (1)	4	N/A	2024/05/28	AB SOP-00011	EPA 370.1 R1978 m
Total Ammonia-N	4	N/A	2024/05/24	CAM SOP-00441	USGS I-2522-90 m
Nitrate & Nitrite as Nitrogen in Water (4)	4	N/A	2024/05/24	CAM SOP-00440	SM 24 4500-NO3I/NO2B
Total Oil and Grease	4	2024/05/23	2024/05/24	CAM SOP-00326	EPA1664B m,SM5520B m
pH (5)	4	2024/05/23	2024/05/23	CAM SOP-00413	SM 24th - 4500H+ B
Field Measured pH (3)	4	N/A	2024/05/23		Field pH Meter
Orthophosphate	4	N/A	2024/05/24	CAM SOP-00461	SM 24 4500-P E
Calculated Total Dissolved Solids	4	N/A	2024/05/28		Auto Calc
Total Dissolved Solids	4	2024/05/23	2024/05/24	CAM SOP-00428	SM 24 2540C m
Field Temperature (3)	4	N/A	2024/05/23		Field Thermometer
Total Phosphorus (Colourimetric)	4	2024/05/23	2024/05/23	CAM SOP-00407	SM 24 4500-P I
Low Level Total Suspended Solids	4	2024/05/23	2024/05/24	CAM SOP-00428	SM 24 2540D m
Turbidity	4	N/A	2024/05/23	CAM SOP-00417	SM 24 2130 B

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau

Bureau Veritas 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com

Your P.O. #: OL-1381216
Site Location: Meliadine
Your C.O.C. #: 899776

Attention: Reporting

Agnico-Eagle
Meliadine
Meliadine Mine
Rankin Inlet, NU
CANADA X0C 0G0

Report Date: 2024/05/28
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CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C4F3562
Received: 2024/05/22, 09:06

Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, EPA, APHA or the Quebec Ministry of Environment.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.

Reference Method suffix “m” indicates test methods incorporate validated modifications from specific reference methods to improve performance.
* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.
(1) This test was performed by Bureau Veritas Calgary (19th), 4000 19th Street NE , Calgary, AB, T2E 6P8
(2) This test was performed by Bureau Veritas Burnaby, 4606 Canada Way , Burnaby, BC, V5G 1K5
(3) This is a field test, therefore, the results relate to items that were not analysed at Bureau Veritas.
(4) Values for calculated parameters may not appear to add up due to rounding of raw data and significant figures.
(5) "The CCME method and Analytical Protocol (O. Reg 153/04, O. Reg. 406/19) requires pH to be analyzed within 15 minutes of sampling and therefore field analysis is required for compliance. All Laboratory pH analyses in this report are reported past the CCME and Analytical Protocol (O. Reg 153/04, O. Reg. 406/19) holding time. Bureau Veritas endeavors to analyze samples as soon as possible after receipt."

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BUREAU VERITAS JOB #: C4F3562
Received: 2024/05/22, 09:06

Encryption Key

Katherine Szozda
Project Manager
28 May 2024 18:52:49

Please direct all questions regarding this Certificate of Analysis to:
Katherine Szozda, Project Manager
Email: Katherine.Szozda@bureauveritas.com
Phone# (613)274-0573 Ext:7063633

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Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.

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Bureau Veritas Job #: C4F3562
Report Date: 2024/05/28

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1381216
Sampler Initials: LK

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		ZFV216			ZFV216			ZFV217		
Sampling Date		2024/05/18 16:39			2024/05/18 16:39			2024/05/18 17:04		
COC Number		899776			899776			899776		
	UNITS	MEL-SR1	RDL	QC Batch	MEL-SR1 Lab-Dup	RDL	QC Batch	MEL-SR1 US W	RDL	QC Batch
Calculated Parameters										
Calculated TDS	mg/L	230	1.0	9408880				220	1.0	9408880
Dissolved Hardness (CaCO3)	mg/L	144	0.50	9415892				162	0.50	9415892
Field Measurements										
Field Measured Conductivity	uS/cm	391.8	N/A	ONSITE				297.6	N/A	ONSITE
Field Measured Dissolved oxygen	mg/L	11.02	N/A	ONSITE				13.05	N/A	ONSITE
Field Temperature	Celsius	11	N/A	ONSITE				7.6	N/A	ONSITE
Field Measured pH	pH	6.89		ONSITE				7.25		ONSITE
Inorganics										
Total Ammonia-N	mg/L	0.16	0.050	9409289				0.054	0.050	9409289
Strong Acid Dissoc. Cyanide (CN)	mg/L	0.00065	0.00050	9419351				<0.00050	0.00050	9419351
Total Dissolved Solids	mg/L	265	10	9409509				220	10	9409509
Fluoride (F-)	mg/L	<0.10	0.10	9409288				<0.10	0.10	9409288
Orthophosphate (P)	mg/L	<0.010	0.010	9410253				<0.010	0.010	9410253
pH	pH	7.82		9409286				7.96		9409286
Total Phosphorus	mg/L	0.11	0.020	9409297	0.10	0.020	9409297	0.093	0.020	9409297
Reactive Silica (SiO2)	mg/L	1.8	0.050	9419253	1.7	0.050	9419253	3.5	0.050	9419253
Total Suspended Solids	mg/L	330	5	9409098				160	1	9409098
Turbidity	NTU	46	0.1	9409306				35	0.1	9409306
Alkalinity (Total as CaCO3)	mg/L	58	1.0	9409283				90	1.0	9409283
Dissolved Chloride (Cl-)	mg/L	53	1.0	9410241				32	1.0	9410241
Nitrite (N)	mg/L	<0.010	0.010	9409070				<0.010	0.010	9409070
Nitrate (N)	mg/L	0.17	0.10	9409070				0.18	0.10	9409070
Dissolved Sulphate (SO4)	mg/L	59	0.50	9419252				44	0.50	9419252
Nitrate + Nitrite (N)	mg/L	0.17	0.10	9409070				0.18	0.10	9409070
Metals										
Dissolved Aluminum (Al)	mg/L	0.0210	0.0030	9415894				0.0251	0.0030	9415894
Total Aluminum (Al)	mg/L	4.96	0.0030	9415896				1.57	0.0030	9415896
Dissolved Arsenic (As)	mg/L	0.00188	0.00010	9415894				0.00100	0.00010	9415894

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
N/A = Not Applicable

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Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1381216
Sampler Initials: LK

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		ZFV216			ZFV216			ZFV217		
Sampling Date		2024/05/18 16:39			2024/05/18 16:39			2024/05/18 17:04		
COC Number		899776			899776			899776		
	UNITS	MEL-SR1	RDL	QC Batch	MEL-SR1 Lab-Dup	RDL	QC Batch	MEL-SR1 US W	RDL	QC Batch
Total Arsenic (As)	mg/L	0.0152	0.00010	9415896				0.00327	0.00010	9415896
Dissolved Barium (Ba)	mg/L	0.0212	0.0010	9415894				0.0424	0.0010	9415894
Total Barium (Ba)	mg/L	0.0544	0.0010	9415896				0.0499	0.0010	9415896
Dissolved Cadmium (Cd)	mg/L	0.000013	0.000010	9415894				0.000019	0.000010	9415894
Total Cadmium (Cd)	mg/L	0.000050	0.000010	9415896				0.000036	0.000010	9415896
Dissolved Chromium (Cr)	mg/L	<0.0010	0.0010	9415894				<0.0010	0.0010	9415894
Total Chromium (Cr)	mg/L	0.0316	0.0010	9415896				0.0134	0.0010	9415896
Dissolved Copper (Cu)	mg/L	0.00336	0.00020	9415894				0.00441	0.00020	9415894
Total Copper (Cu)	mg/L	0.0211	0.00050	9415896				0.0110	0.00050	9415896
Dissolved Iron (Fe)	mg/L	0.0181	0.0050	9415894				0.0697	0.0050	9415894
Total Iron (Fe)	mg/L	9.13	0.010	9415896				3.47	0.010	9415896
Dissolved Lead (Pb)	mg/L	<0.00020	0.00020	9415894				<0.00020	0.00020	9415894
Total Lead (Pb)	mg/L	0.00419	0.00020	9415896				0.00104	0.00020	9415896
Dissolved Manganese (Mn)	mg/L	0.0756	0.0010	9415894				0.175	0.0010	9415894
Total Manganese (Mn)	mg/L	0.177	0.0010	9415896				0.188	0.0010	9415896
Dissolved Molybdenum (Mo)	mg/L	<0.0010	0.0010	9415894				0.0011	0.0010	9415894
Total Molybdenum (Mo)	mg/L	<0.0010	0.0010	9415896				<0.0010	0.0010	9415896
Dissolved Nickel (Ni)	mg/L	0.0033	0.0010	9415894				0.0038	0.0010	9415894
Total Nickel (Ni)	mg/L	0.0221	0.0010	9415896				0.0133	0.0010	9415896
Dissolved Selenium (Se)	mg/L	<0.00010	0.00010	9415894				<0.00010	0.00010	9415894
Total Selenium (Se)	mg/L	0.00014	0.00010	9415896				0.00011	0.00010	9415896
Dissolved Silver (Ag)	mg/L	<0.000020	0.000020	9415894				<0.000020	0.000020	9415894
Total Silver (Ag)	mg/L	0.000029	0.000020	9415896				0.000046	0.000020	9415896
Dissolved Thallium (Tl)	mg/L	<0.000010	0.000010	9415894				0.000010	0.000010	9415894
Total Titanium (Ti)	mg/L	0.208	0.0050	9415896				0.0690	0.0050	9415896
Dissolved Zinc (Zn)	mg/L	0.0055	0.0050	9415894				<0.0050	0.0050	9415894
Total Zinc (Zn)	mg/L	0.0473	0.0050	9415896				0.0141	0.0050	9415896
Dissolved Calcium (Ca)	mg/L	45.7	0.050	9415893				56.6	0.050	9415893
Total Calcium (Ca)	mg/L	43.4	0.050	9415895				48.9	0.050	9415895
Dissolved Magnesium (Mg)	mg/L	7.37	0.050	9415893				5.11	0.050	9415893

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

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Bureau Veritas Job #: C4F3562
Report Date: 2024/05/28

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1381216
Sampler Initials: LK

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		ZFV216			ZFV216			ZFV217		
Sampling Date		2024/05/18 16:39			2024/05/18 16:39			2024/05/18 17:04		
COC Number		899776			899776			899776		
	UNITS	MEL-SR1	RDL	QC Batch	MEL-SR1 Lab-Dup	RDL	QC Batch	MEL-SR1 US W	RDL	QC Batch
Total Magnesium (Mg)	mg/L	9.79	0.050	9415895				5.78	0.050	9415895
Dissolved Potassium (K)	mg/L	5.57	0.050	9415893				9.95	0.050	9415893
Total Potassium (K)	mg/L	5.64	0.050	9415895				8.17	0.050	9415895
Dissolved Sodium (Na)	mg/L	23.8	0.050	9415893				13.6	0.050	9415893
Total Sodium (Na)	mg/L	20.1	0.050	9415895				11.1	0.050	9415895
Petroleum Hydrocarbons										
Total Oil & Grease	mg/L	2.4	0.50	9409774				<0.50	0.50	9409774

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

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Bureau Veritas Job #: C4F3562
Report Date: 2024/05/28

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1381216
Sampler Initials: LK

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		ZFV217			ZFV218		ZFV219		
Sampling Date		2024/05/18 17:04			2024/05/19 17:31		2024/05/19 16:50		
COC Number		899776			899776		899776		
	UNITS	MEL-SR1 US W Lab-Dup	RDL	QC Batch	MEL-SR1	RDL	MEL-SR1 US E	RDL	QC Batch
Calculated Parameters									
Calculated TDS	mg/L				270	1.0	150	1.0	9408880
Dissolved Hardness (CaCO3)	mg/L				174	0.50	73.9	0.50	9415892
Field Measurements									
Field Measured Conductivity	uS/cm				459.9	N/A	257.3	N/A	ONSITE
Field Measured Dissolved oxygen	mg/L				13.17	N/A	13.76	N/A	ONSITE
Field Temperature	Celsius				11.6	N/A	8.8	N/A	ONSITE
Field Measured pH	pH				6.76		7.46		ONSITE
Inorganics									
Total Ammonia-N	mg/L	0.054	0.050	9409289	0.22	0.050	0.25	0.050	9409289
Strong Acid Dissoc. Cyanide (CN)	mg/L				0.00062	0.00050	<0.00050	0.00050	9419351
Total Dissolved Solids	mg/L				315	10	145	10	9409509
Fluoride (F-)	mg/L				<0.10	0.10	<0.10	0.10	9409288
Orthophosphate (P)	mg/L				<0.010	0.010	<0.010	0.010	9410253
pH	pH				7.77		7.69		9409286
Total Phosphorus	mg/L				0.052	0.020	0.16	0.020	9409297
Reactive Silica (SiO2)	mg/L				2.1	0.050	1.0	0.050	9419253
Total Suspended Solids	mg/L				54	1	300	5	9409098
Turbidity	NTU				4.3	0.1	78	0.1	9409306
Alkalinity (Total as CaCO3)	mg/L				60	1.0	36	1.0	9409283
Dissolved Chloride (Cl-)	mg/L				58	1.0	30	1.0	9410241
Nitrite (N)	mg/L				<0.010	0.010	<0.010	0.010	9409070
Nitrate (N)	mg/L				0.15	0.10	0.74	0.10	9409070
Dissolved Sulphate (SO4)	mg/L				71	0.50	48	0.50	9419252
Nitrate + Nitrite (N)	mg/L				0.15	0.10	0.74	0.10	9409070
Metals									
Dissolved Aluminum (Al)	mg/L				0.0096	0.0030	0.0217	0.0030	9415894
Total Aluminum (Al)	mg/L				0.358	0.0030	4.89	0.0030	9415896
Dissolved Arsenic (As)	mg/L				0.00221	0.00010	0.00136	0.00010	9415894

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate
N/A = Not Applicable

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Bureau Veritas Job #: C4F3562
Report Date: 2024/05/28

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1381216
Sampler Initials: LK

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		ZFV217			ZFV218		ZFV219		
Sampling Date		2024/05/18 17:04			2024/05/19 17:31		2024/05/19 16:50		
COC Number		899776			899776		899776		
	UNITS	MEL-SR1 US W Lab-Dup	RDL	QC Batch	MEL-SR1	RDL	MEL-SR1 US E	RDL	QC Batch
Total Arsenic (As)	mg/L				0.00340	0.00010	0.00801	0.00010	9415896
Dissolved Barium (Ba)	mg/L				0.0253	0.0010	0.0133	0.0010	9415894
Total Barium (Ba)	mg/L				0.0231	0.0010	0.0538	0.0010	9415896
Dissolved Cadmium (Cd)	mg/L				0.000011	0.000010	0.000011	0.000010	9415894
Total Cadmium (Cd)	mg/L				0.000017	0.000010	0.000076	0.000010	9415896
Dissolved Chromium (Cr)	mg/L				<0.0010	0.0010	<0.0010	0.0010	9415894
Total Chromium (Cr)	mg/L				0.0022	0.0010	0.0296	0.0010	9415896
Dissolved Copper (Cu)	mg/L				0.00318	0.00020	0.00539	0.00020	9415894
Total Copper (Cu)	mg/L				0.00426	0.00050	0.0262	0.00050	9415896
Dissolved Iron (Fe)	mg/L				0.0279	0.0050	0.0068	0.0050	9415894
Total Iron (Fe)	mg/L				0.717	0.010	8.09	0.010	9415896
Dissolved Lead (Pb)	mg/L				<0.00020	0.00020	<0.00020	0.00020	9415894
Total Lead (Pb)	mg/L				0.00065	0.00020	0.00354	0.00020	9415896
Dissolved Manganese (Mn)	mg/L				0.248	0.0010	0.0194	0.0010	9415894
Total Manganese (Mn)	mg/L				0.205	0.0010	0.123	0.0010	9415896
Dissolved Molybdenum (Mo)	mg/L				0.0010	0.0010	<0.0010	0.0010	9415894
Total Molybdenum (Mo)	mg/L				<0.0010	0.0010	<0.0010	0.0010	9415896
Dissolved Nickel (Ni)	mg/L				0.0058	0.0010	0.0013	0.0010	9415894
Total Nickel (Ni)	mg/L				0.0064	0.0010	0.0204	0.0010	9415896
Dissolved Selenium (Se)	mg/L				0.00011	0.00010	<0.00010	0.00010	9415894
Total Selenium (Se)	mg/L				<0.00010	0.00010	0.00012	0.00010	9415896
Dissolved Silver (Ag)	mg/L				<0.000020	0.000020	<0.000020	0.000020	9415894
Total Silver (Ag)	mg/L				<0.000020	0.000020	0.000026	0.000020	9415896
Dissolved Thallium (Tl)	mg/L				<0.000010	0.000010	<0.000010	0.000010	9415894
Total Titanium (Ti)	mg/L				0.0141	0.0050	0.225	0.0050	9415896
Dissolved Zinc (Zn)	mg/L				0.0128	0.0050	<0.0050	0.0050	9415894
Total Zinc (Zn)	mg/L				0.0180	0.0050	0.0398	0.0050	9415896
Dissolved Calcium (Ca)	mg/L				55.3	0.050	23.9	0.050	9415893
Total Calcium (Ca)	mg/L				42.7	0.050	24.0	0.050	9415895
Dissolved Magnesium (Mg)	mg/L				8.72	0.050	3.44	0.050	9415893

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

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Bureau Veritas Job #: C4F3562
Report Date: 2024/05/28

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1381216
Sampler Initials: LK

RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		ZFV217			ZFV218		ZFV219		
Sampling Date		2024/05/18 17:04			2024/05/19 17:31		2024/05/19 16:50		
COC Number		899776			899776		899776		
	UNITS	MEL-SR1 US W Lab-Dup	RDL	QC Batch	MEL-SR1	RDL	MEL-SR1 US E	RDL	QC Batch
Total Magnesium (Mg)	mg/L				7.32	0.050	6.56	0.050	9415895
Dissolved Potassium (K)	mg/L				7.57	0.050	3.15	0.050	9415893
Total Potassium (K)	mg/L				5.82	0.050	3.55	0.050	9415895
Dissolved Sodium (Na)	mg/L				29.7	0.050	18.0	0.050	9415893
Total Sodium (Na)	mg/L				23.1	0.050	14.9	0.050	9415895
Petroleum Hydrocarbons									
Total Oil & Grease	mg/L				1.8	0.50	0.50	0.50	9409774

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch
Lab-Dup = Laboratory Initiated Duplicate

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Bureau Veritas Job #: C4F3562
Report Date: 2024/05/28

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1381216
Sampler Initials: LK

ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		ZFV216	ZFV217	ZFV218	ZFV219		
Sampling Date		2024/05/18 16:39	2024/05/18 17:04	2024/05/19 17:31	2024/05/19 16:50		
COC Number		899776	899776	899776	899776		
	UNITS	MEL-SR1	MEL-SR1 US W	MEL-SR1	MEL-SR1 US E	RDL	QC Batch
Metals							
Mercury (Hg)	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	0.00010	9411390

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Bureau Veritas Job #: C4F3562
Report Date: 2024/05/28

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1381216
Sampler Initials: LK

TEST SUMMARY

Bureau Veritas ID: ZFV216
Sample ID: MEL-SR1
Matrix: Water

Collected: 2024/05/18
Shipped:
Received: 2024/05/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9409283	N/A	2024/05/23	Nachiketa Gohil
Chloride by Automated Colourimetry	SKAL	9410241	N/A	2024/05/24	Massarat Jan
Field Measured Dissolved Oxygen	PH	ONSITE	N/A	2024/05/23	Viyushti Patel
Field Measured Dissolved Oxygen	PH	ONSITE	N/A	2024/05/23	Viyushti Patel
Fluoride	ISE	9409288	2024/05/23	2024/05/23	Nachiketa Gohil
Mercury in Water by CVAA	CV/AA	9411390	2024/05/24	2024/05/24	Gagandeep Rai
Low Level Chloride and Sulphate by AC	KONE	9419252	N/A	2024/05/24	Tyler Orr
Cyanide, Strong Acid Dissociable (SAD)	TECH/UVVS	9419351	2024/05/28	2024/05/28	Ming Dong
Hardness (calculated as CaCO3)	CALC	9415892	N/A	2024/05/25	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	9415893	N/A	2024/05/25	Automated Statchk
Elements by CRC ICPMS (dissolved)	ICP/MS	9415894	N/A	2024/05/24	Megan Mak
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	9415895	2024/05/25	2024/05/25	Automated Statchk
Elements by CRC ICPMS (total)	ICP/MS	9415896	2024/05/24	2024/05/25	Megan Mak
Silica (Reactive)	KONE	9419253	N/A	2024/05/28	Tyler Orr
Total Ammonia-N	LACH/NH4	9409289	N/A	2024/05/24	Massarat Jan
Nitrate & Nitrite as Nitrogen in Water	LACH	9409070	N/A	2024/05/24	Jinal Chavda
Total Oil and Grease	BAL	9409774	2024/05/23	2024/05/24	Andrews Philip
pH	AT	9409286	2024/05/23	2024/05/23	Nachiketa Gohil
Field Measured Dissolved Oxygen	PH	ONSITE	N/A	2024/05/23	Viyushti Patel
Orthophosphate	KONE	9410253	N/A	2024/05/24	Massarat Jan
Calculated Total Dissolved Solids	CALC	9408880	N/A	2024/05/28	Automated Statchk
Total Dissolved Solids	BAL	9409509	2024/05/23	2024/05/24	Darshan Patel
Field Measured Dissolved Oxygen	PH	ONSITE	N/A	2024/05/23	Viyushti Patel
Total Phosphorus (Colourimetric)	SKAL/P	9409297	2024/05/23	2024/05/23	Muskan
Low Level Total Suspended Solids	BAL	9409098	2024/05/23	2024/05/24	Madhav Somani
Turbidity	AT	9409306	N/A	2024/05/23	Gurparteek KAUR

Bureau Veritas ID: ZFV216 Dup
Sample ID: MEL-SR1
Matrix: Water

Collected: 2024/05/18
Shipped:
Received: 2024/05/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Silica (Reactive)	KONE	9419253	N/A	2024/05/28	Tyler Orr
Total Phosphorus (Colourimetric)	SKAL/P	9409297	2024/05/23	2024/05/23	Muskan

Bureau Veritas ID: ZFV217
Sample ID: MEL-SR1 US W
Matrix: Water

Collected: 2024/05/18
Shipped:
Received: 2024/05/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9409283	N/A	2024/05/23	Nachiketa Gohil
Chloride by Automated Colourimetry	SKAL	9410241	N/A	2024/05/24	Massarat Jan
Field Measured Dissolved Oxygen	PH	ONSITE	N/A	2024/05/23	Viyushti Patel
Field Measured Dissolved Oxygen	PH	ONSITE	N/A	2024/05/23	Viyushti Patel

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Bureau Veritas Job #: C4F3562
Report Date: 2024/05/28

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1381216
Sampler Initials: LK

TEST SUMMARY

Bureau Veritas ID: ZFV217
Sample ID: MEL-SR1 US W
Matrix: Water

Collected: 2024/05/18
Shipped:
Received: 2024/05/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Fluoride	ISE	9409288	2024/05/23	2024/05/23	Nachiketa Gohil
Mercury in Water by CVAA	CV/AA	9411390	2024/05/24	2024/05/24	Gagandeep Rai
Low Level Chloride and Sulphate by AC	KONE	9419252	N/A	2024/05/24	Tyler Orr
Cyanide, Strong Acid Dissociable (SAD)	TECH/UVVS	9419351	2024/05/28	2024/05/28	Ming Dong
Hardness (calculated as CaCO3)	CALC	9415892	N/A	2024/05/25	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	9415893	N/A	2024/05/25	Automated Statchk
Elements by CRC ICPMS (dissolved)	ICP/MS	9415894	N/A	2024/05/24	Megan Mak
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	9415895	2024/05/25	2024/05/25	Automated Statchk
Elements by CRC ICPMS (total)	ICP/MS	9415896	2024/05/24	2024/05/25	Megan Mak
Silica (Reactive)	KONE	9419253	N/A	2024/05/28	Tyler Orr
Total Ammonia-N	LACH/NH4	9409289	N/A	2024/05/24	Massarat Jan
Nitrate & Nitrite as Nitrogen in Water	LACH	9409070	N/A	2024/05/24	Jinal Chavda
Total Oil and Grease	BAL	9409774	2024/05/23	2024/05/24	Andrews Philip
pH	AT	9409286	2024/05/23	2024/05/23	Nachiketa Gohil
Field Measured Dissolved Oxygen	PH	ONSITE	N/A	2024/05/23	Viyushti Patel
Orthophosphate	KONE	9410253	N/A	2024/05/24	Massarat Jan
Calculated Total Dissolved Solids	CALC	9408880	N/A	2024/05/28	Automated Statchk
Total Dissolved Solids	BAL	9409509	2024/05/23	2024/05/24	Darshan Patel
Field Measured Dissolved Oxygen	PH	ONSITE	N/A	2024/05/23	Viyushti Patel
Total Phosphorus (Colourimetric)	SKAL/P	9409297	2024/05/23	2024/05/23	Muskan
Low Level Total Suspended Solids	BAL	9409098	2024/05/23	2024/05/24	Madhav Somani
Turbidity	AT	9409306	N/A	2024/05/23	Gurparteek KAUR

Bureau Veritas ID: ZFV217 Dup
Sample ID: MEL-SR1 US W
Matrix: Water

Collected: 2024/05/18
Shipped:
Received: 2024/05/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Total Ammonia-N	LACH/NH4	9409289	N/A	2024/05/24	Massarat Jan

Bureau Veritas ID: ZFV218
Sample ID: MEL-SR1
Matrix: Water

Collected: 2024/05/19
Shipped:
Received: 2024/05/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9409283	N/A	2024/05/23	Nachiketa Gohil
Chloride by Automated Colourimetry	SKAL	9410241	N/A	2024/05/24	Massarat Jan
Field Measured Dissolved Oxygen	PH	ONSITE	N/A	2024/05/23	Viyushti Patel
Field Measured Dissolved Oxygen	PH	ONSITE	N/A	2024/05/23	Viyushti Patel
Fluoride	ISE	9409288	2024/05/23	2024/05/23	Nachiketa Gohil
Mercury in Water by CVAA	CV/AA	9411390	2024/05/24	2024/05/24	Gagandeep Rai
Low Level Chloride and Sulphate by AC	KONE	9419252	N/A	2024/05/24	Tyler Orr
Cyanide, Strong Acid Dissociable (SAD)	TECH/UVVS	9419351	2024/05/28	2024/05/28	Ming Dong
Hardness (calculated as CaCO3)	CALC	9415892	N/A	2024/05/25	Automated Statchk

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Bureau Veritas Job #: C4F3562
Report Date: 2024/05/28

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1381216
Sampler Initials: LK

TEST SUMMARY

Bureau Veritas ID: ZFV218
Sample ID: MEL-SR1
Matrix: Water

Collected: 2024/05/19
Shipped:
Received: 2024/05/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	9415893	N/A	2024/05/25	Automated Statchk
Elements by CRC ICPMS (dissolved)	ICP/MS	9415894	N/A	2024/05/24	Megan Mak
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	9415895	2024/05/25	2024/05/25	Automated Statchk
Elements by CRC ICPMS (total)	ICP/MS	9415896	2024/05/24	2024/05/25	Megan Mak
Silica (Reactive)	KONE	9419253	N/A	2024/05/28	Tyler Orr
Total Ammonia-N	LACH/NH4	9409289	N/A	2024/05/24	Massarat Jan
Nitrate & Nitrite as Nitrogen in Water	LACH	9409070	N/A	2024/05/24	Jinal Chavda
Total Oil and Grease	BAL	9409774	2024/05/23	2024/05/24	Andrews Philip
pH	AT	9409286	2024/05/23	2024/05/23	Nachiketa Gohil
Field Measured Dissolved Oxygen	PH	ONSITE	N/A	2024/05/23	Viyushti Patel
Orthophosphate	KONE	9410253	N/A	2024/05/24	Massarat Jan
Calculated Total Dissolved Solids	CALC	9408880	N/A	2024/05/28	Automated Statchk
Total Dissolved Solids	BAL	9409509	2024/05/23	2024/05/24	Darshan Patel
Field Measured Dissolved Oxygen	PH	ONSITE	N/A	2024/05/23	Viyushti Patel
Total Phosphorus (Colourimetric)	SKAL/P	9409297	2024/05/23	2024/05/23	Muskan
Low Level Total Suspended Solids	BAL	9409098	2024/05/23	2024/05/24	Madhav Somani
Turbidity	AT	9409306	N/A	2024/05/23	Gurparteek KAUR

Bureau Veritas ID: ZFV219
Sample ID: MEL-SR1 US E
Matrix: Water

Collected: 2024/05/19
Shipped:
Received: 2024/05/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Alkalinity	AT	9409283	N/A	2024/05/23	Nachiketa Gohil
Chloride by Automated Colourimetry	SKAL	9410241	N/A	2024/05/24	Massarat Jan
Field Measured Dissolved Oxygen	PH	ONSITE	N/A	2024/05/23	Viyushti Patel
Field Measured Dissolved Oxygen	PH	ONSITE	N/A	2024/05/23	Viyushti Patel
Fluoride	ISE	9409288	2024/05/23	2024/05/23	Nachiketa Gohil
Mercury in Water by CVAA	CV/AA	9411390	2024/05/24	2024/05/24	Gagandeep Rai
Low Level Chloride and Sulphate by AC	KONE	9419252	N/A	2024/05/24	Tyler Orr
Cyanide, Strong Acid Dissociable (SAD)	TECH/UVVS	9419351	2024/05/28	2024/05/28	Ming Dong
Hardness (calculated as CaCO3)	CALC	9415892	N/A	2024/05/25	Automated Statchk
Na, K, Ca, Mg, S by CRC ICPMS (diss.)	ICP	9415893	N/A	2024/05/25	Automated Statchk
Elements by CRC ICPMS (dissolved)	ICP/MS	9415894	N/A	2024/05/24	Megan Mak
Na, K, Ca, Mg, S by CRC ICPMS (total)	ICP	9415895	2024/05/25	2024/05/25	Automated Statchk
Elements by CRC ICPMS (total)	ICP/MS	9415896	2024/05/24	2024/05/25	Megan Mak
Silica (Reactive)	KONE	9419253	N/A	2024/05/28	Tyler Orr
Total Ammonia-N	LACH/NH4	9409289	N/A	2024/05/24	Massarat Jan
Nitrate & Nitrite as Nitrogen in Water	LACH	9409070	N/A	2024/05/24	Jinal Chavda
Total Oil and Grease	BAL	9409774	2024/05/23	2024/05/24	Andrews Philip
pH	AT	9409286	2024/05/23	2024/05/23	Nachiketa Gohil
Field Measured Dissolved Oxygen	PH	ONSITE	N/A	2024/05/23	Viyushti Patel
Orthophosphate	KONE	9410253	N/A	2024/05/24	Massarat Jan
Calculated Total Dissolved Solids	CALC	9408880	N/A	2024/05/28	Automated Statchk

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Bureau Veritas Job #: C4F3562
Report Date: 2024/05/28

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1381216
Sampler Initials: LK

TEST SUMMARY

Bureau Veritas ID: ZFV219
Sample ID: MEL-SR1 US E
Matrix: Water

Collected: 2024/05/19
Shipped:
Received: 2024/05/22

Test Description	Instrumentation	Batch	Extracted	Date Analyzed	Analyst
Total Dissolved Solids	BAL	9409509	2024/05/23	2024/05/24	Darshan Patel
Field Measured Dissolved Oxygen	PH	ONSITE	N/A	2024/05/23	Viyushti Patel
Total Phosphorus (Colourimetric)	SKAL/P	9409297	2024/05/23	2024/05/23	Muskan
Low Level Total Suspended Solids	BAL	9409098	2024/05/23	2024/05/24	Madhav Somani
Turbidity	AT	9409306	N/A	2024/05/23	Gurparteek KAUR

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Bureau Veritas Job #: C4F3562
Report Date: 2024/05/28

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1381216
Sampler Initials: LK

GENERAL COMMENTS

Each temperature is the average of up to three cooler temperatures taken at receipt

Package 1	16.0°C

Results relate only to the items tested.

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Bureau Veritas Job #: C4F3562
Report Date: 2024/05/28

QUALITY ASSURANCE REPORT

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1381216
Sampler Initials: LK

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
9409070	Nitrate (N)	2024/05/24	107	80 - 120	103	80 - 120	<0.10	mg/L	8.9	20		
9409070	Nitrite (N)	2024/05/24	94	80 - 120	102	80 - 120	<0.010	mg/L	NC	20		
9409098	Total Suspended Solids	2024/05/24			100	80 - 120	<1	mg/L	0	20		
9409283	Alkalinity (Total as CaCO3)	2024/05/23			96	85 - 115	<1.0	mg/L	1.2	20		
9409286	pH	2024/05/23			101	98 - 103			0.35	N/A		
9409288	Fluoride (F-)	2024/05/23	95	80 - 120	101	80 - 120	<0.10	mg/L	NC	20		
9409289	Total Ammonia-N	2024/05/24	97	75 - 125	101	80 - 120	<0.050	mg/L	0	20		
9409297	Total Phosphorus	2024/05/23	101	80 - 120	102	80 - 120	<0.020	mg/L	1.7	20	107	80 - 120
9409306	Turbidity	2024/05/23			101	80 - 120	<0.1	NTU	NC	20		
9409509	Total Dissolved Solids	2024/05/24			95	80 - 120	<10	mg/L	5.1	20		
9409774	Total Oil & Grease	2024/05/24			99	80 - 110	<0.50	mg/L	0.25	25		
9410241	Dissolved Chloride (Cl-)	2024/05/24	NC	80 - 120	102	80 - 120	<1.0	mg/L	0.84	20		
9410253	Orthophosphate (P)	2024/05/24	95	75 - 125	95	80 - 120	<0.010	mg/L	0	20		
9411390	Mercury (Hg)	2024/05/24	95	75 - 125	96	80 - 120	<0.00010	mg/L	NC	20		
9415894	Dissolved Aluminum (Al)	2024/05/24	NC	80 - 120	112	80 - 120	<0.0030	mg/L				
9415894	Dissolved Arsenic (As)	2024/05/24	106	80 - 120	106	80 - 120	<0.00010	mg/L				
9415894	Dissolved Barium (Ba)	2024/05/24	97	80 - 120	105	80 - 120	<0.0010	mg/L				
9415894	Dissolved Cadmium (Cd)	2024/05/24	NC	80 - 120	103	80 - 120	<0.000010	mg/L				
9415894	Dissolved Chromium (Cr)	2024/05/24	104	80 - 120	107	80 - 120	<0.0010	mg/L				
9415894	Dissolved Copper (Cu)	2024/05/24	NC	80 - 120	105	80 - 120	<0.00020	mg/L				
9415894	Dissolved Iron (Fe)	2024/05/24	108	80 - 120	108	80 - 120	<0.0050	mg/L				
9415894	Dissolved Lead (Pb)	2024/05/24	101	80 - 120	102	80 - 120	<0.00020	mg/L				
9415894	Dissolved Manganese (Mn)	2024/05/24	NC	80 - 120	108	80 - 120	<0.0010	mg/L				
9415894	Dissolved Molybdenum (Mo)	2024/05/24	108	80 - 120	105	80 - 120	<0.0010	mg/L				
9415894	Dissolved Nickel (Ni)	2024/05/24	NC	80 - 120	106	80 - 120	<0.0010	mg/L				
9415894	Dissolved Selenium (Se)	2024/05/24	102	80 - 120	103	80 - 120	<0.00010	mg/L				
9415894	Dissolved Silver (Ag)	2024/05/24	103	80 - 120	104	80 - 120	<0.000020	mg/L				
9415894	Dissolved Thallium (Tl)	2024/05/24	103	80 - 120	107	80 - 120	<0.000010	mg/L				
9415894	Dissolved Zinc (Zn)	2024/05/24	NC	80 - 120	105	80 - 120	<0.0050	mg/L				
9415896	Total Aluminum (Al)	2024/05/25	NC	80 - 120	97	80 - 120	<0.0030	mg/L				
9415896	Total Arsenic (As)	2024/05/25	106	80 - 120	99	80 - 120	<0.00010	mg/L				

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QUALITY ASSURANCE REPORT(CONT'D)

			Matrix Spike		SPIKED BLANK		Method Blank		RPD		QC Standard	
QC Batch	Parameter	Date	% Recovery	QC Limits	% Recovery	QC Limits	Value	UNITS	Value (%)	QC Limits	% Recovery	QC Limits
9415896	Total Barium (Ba)	2024/05/25	101	80 - 120	93	80 - 120	<0.0010	mg/L				
9415896	Total Cadmium (Cd)	2024/05/25	NC	80 - 120	97	80 - 120	<0.000010	mg/L				
9415896	Total Chromium (Cr)	2024/05/25	102	80 - 120	100	80 - 120	<0.0010	mg/L				
9415896	Total Copper (Cu)	2024/05/25	NC	80 - 120	99	80 - 120	<0.00050	mg/L				
9415896	Total Iron (Fe)	2024/05/25	112	80 - 120	102	80 - 120	<0.010	mg/L				
9415896	Total Lead (Pb)	2024/05/25	100	80 - 120	97	80 - 120	<0.00020	mg/L				
9415896	Total Manganese (Mn)	2024/05/25	NC	80 - 120	99	80 - 120	<0.0010	mg/L				
9415896	Total Molybdenum (Mo)	2024/05/25	110	80 - 120	100	80 - 120	<0.0010	mg/L				
9415896	Total Nickel (Ni)	2024/05/25	NC	80 - 120	100	80 - 120	<0.0010	mg/L				
9415896	Total Selenium (Se)	2024/05/25	102	80 - 120	101	80 - 120	<0.00010	mg/L				
9415896	Total Silver (Ag)	2024/05/25	103	80 - 120	98	80 - 120	<0.000020	mg/L				
9415896	Total Titanium (Ti)	2024/05/25	103	80 - 120	97	80 - 120	<0.0050	mg/L				
9415896	Total Zinc (Zn)	2024/05/25	NC	80 - 120	99	80 - 120	<0.0050	mg/L				
9419252	Dissolved Sulphate (SO4)	2024/05/24	94	80 - 120	100	80 - 120	<0.50	mg/L	NC	20		
9419253	Reactive Silica (SiO2)	2024/05/28	98	80 - 120	99	80 - 120	<0.050	mg/L	6.6	20		
9419351	Strong Acid Dissoc. Cyanide (CN)	2024/05/28	106	80 - 120	105	80 - 120	<0.00050	mg/L				

N/A = Not Applicable

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

QC Standard: A sample of known concentration prepared by an external agency under stringent conditions. Used as an independent check of method accuracy.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

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Bureau Veritas Job #: C4F3562
Report Date: 2024/05/28

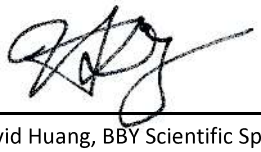
Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1381216
Sampler Initials: LK

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

Anastassia Hamanov, Scientific Specialist

Cristina Carriere, Senior Scientific Specialist



David Huang, BBY Scientific Specialist

Suwan (Sze Yeung) Fock, B.Sc., Scientific Specialist

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.

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Bureau Veritas Job #: C4F3562
Report Date: 2024/05/28

Agnico-Eagle
Site Location: Meliadine
Your P.O. #: OL-1381216
Sampler Initials: LK

Exceedance Summary Table – Metal Mining Effluent Reg

Result Exceedances

Sample ID	Bureau Veritas ID	Parameter	Criteria	Result	DL	UNITS
No Exceedances						

The exceedance summary table is for information purposes only and should not be considered a comprehensive listing or statement of conformance to applicable regulatory guidelines.

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AGNICO EAGLE
MELIADINE

Appendix C – Field turbidity readings and TSS estimation

Sample Location	Date	Time	Turbidity (FNU)	Estimated Turbidity (NTU)	Estimated TSS (mg/L)
MEL-SR-1	5/18/2024	16:39	299	179	86
MEL-SR-1	5/18/2024	16:39	328	197	94
MEL-SR-1	5/18/2024	16:39	314	188	90
Itivia Upstream West	5/18/2024	17:09	119	71	36
Itivia Upstream West	5/18/2024	17:09	106	64	32
Itivia Upstream West	5/18/2024	17:09	108	65	32
MEL-SR-1	5/19/2024	06:50	5	5	5
MEL-SR-1	5/19/2024	06:50	6	6	5
MEL-SR-1	5/19/2024	06:50	5	5	5
Itivia Upstream East	5/19/2024	17:06	377	226	108
Itivia Upstream East	5/19/2024	17:06	388	233	111
Itivia Upstream East	5/19/2024	17:06	369	221	105
MEL-SR-1	5/19/2024	17:20	65	39	21
MEL-SR-1	5/19/2024	17:23	28	17	10
MEL-SR-1	5/19/2024	17:23	37	22	13
MEL-SR-1	5/20/2024	11:58	15	15	10
MEL-SR-1	5/20/2024	11:58	14	14	9
MEL-SR-1	5/20/2024	11:58	14	14	9